

**HOSE AND
CONNECTORS**



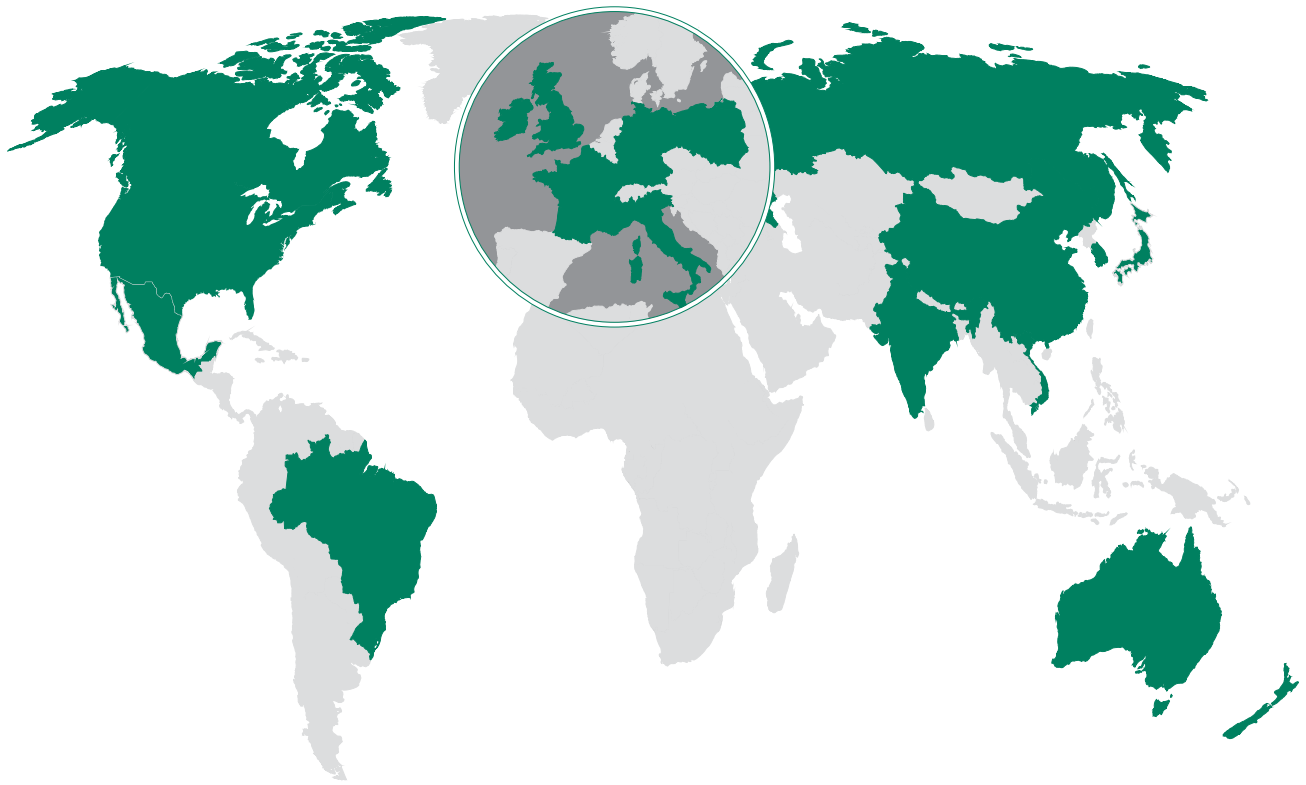
Since 1977 Stauff have serviced the requirements of the hydraulic industry in the UK.

This catalogue highlights the range of quality hose and connectors available, however our team can assist you with any bespoke requirements you may have.

Hose assemblies are undertaken in our state-of-the-art facility by fully trained technicians, where processes are regulated and approved by Globally recognized institutes to ensure you receive a quality product.

Stauff is a daughter company of **Walter Stauffenberg**, based in the town of Werdohl within the Sauerland region of Germany





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countries.

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Navigating our catalogue

To assist you in finding the product you require, our catalogue has been compiled with easy, logical navigation in mind:


- The contents page opposite will direct you to the product type you require
- At the beginning of each section you will find an alphabetic index of the products
- Each page contains:

- 1 Product Group description
- 2 Product Image
- 3 SAP article code, product dimensions with icon guide
- 4 Application guide

2 HIGH PRESSURE HOSE

1

SAE DIN EN 853 1SN



2

APPLICATION
Medium to high pressure hydraulic lines. Suitable for conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air. Beware when using hoses for air or inert gases, hose cover requires to be pricked to allow gas permeation and venting to the atmosphere.

CONSTRUCTION
Tube - oil resistant synthetic rubber
Cover - abrasion, ozone and weather resistant synthetic rubber


REINFORCEMENT
1 High tensile steel braid

TEMPERATURE RANGE
-40°C +100°C (120°C Max)

	INCH		MM		WIRE OD		COVER OD		BAR		PSI		BAR		MM		KG/M	
	INCH	MM	MM	MM	MM	MM	MM	MM	BAR	PSI	BAR	PSI	BAR	MM	MM	KG/M		
2020000141	3/16	4.8	9.5	11.8	250	3625	1000	90	0.19									
2020000150	1/4	6.4	11.1	13.4	225	3265	900	100	0.21									
2020000173	5/16	7.9	12.7	15.0	215	3120	850	115	0.24									
2020000192	3/8	9.5	15.1	17.4	180	2610	720	125	0.33									
2020000234	1/2	12.7	18.3	20.6	160	2320	640	180	0.41									
2020000262	5/8	15.9	21.4	23.7	130	1885	520	200	0.45									
2020000280	3/4	19.0	25.4	27.7	105	1525	420	240	0.58									
2020000301	1	25.4	33.3	35.6	88	1275	350	300	0.88									
	1.1/4	31.8	40.5	43.5	63	915	250	420	1.23									
2020000326	1.1/2	38.1	46.8	50.6	50	725	200	500	1.51									
2020000335	2	50.8	60.2	64.0	40	580	160	630	1.97									

3

SAE 100R 2AT EN 853 2SN



4

APPLICATION
Medium to high pressure hydraulic lines. Suitable for conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air. Beware when using hoses for air or inert gases, hose cover requires to be pricked to allow gas permeation and venting to the atmosphere.

CONSTRUCTION
Tube - oil resistant synthetic rubber
Cover - abrasion, ozone and weather resistant synthetic rubber


REINFORCEMENT
2 High tensile steel braids

TEMPERATURE RANGE
-40°C +100°C (120°C Max)

	INCH		MM		WIRE OD		COVER OD		BAR		PSI		BAR		MM		KG/M	
	INCH	MM	MM	MM	MM	MM	MM	MM	BAR	PSI	BAR	PSI	BAR	MM	MM	KG/M		
2020043517	3/16	4.8	11.1	13.4	415	6020	1650	90	0.31									
2020000163	1/4	6.4	12.7	15.0	400	5800	1600	100	0.33									
2020000176	5/16	7.9	14.3	16.6	350	5075	1400	115	0.39									
2020000208	3/8	9.5	16.7	19.0	330	4785	1320	125	0.50									
2020000246	1/2	12.7	19.8	22.2	275	3990	1100	180	0.59									
2020000265	5/8	15.9	23.0	25.4	250	3625	1000	200	0.71									
2020000286	3/4	19.0	27.0	29.3	215	3120	860	240	0.86									
2020000305	1	25.4	34.9	38.1	165	2395	660	300	1.28									
2020000319	1.1/4	31.8	44.5	48.3	125	1815	500	420	2.02									
2020000328	1.1/2	38.1	50.8	54.6	90	1305	360	500	2.20									
2020000337	2	50.8	63.5	67.3	80	1160	320	630	2.85									

WARNING
When using hoses for air and inert gases, the hose cover should be pricked to allow gas permeation and venting to atmosphere. Consider using spring guard or wire armour for protection of all hoses.

For information on HOSE COUPLING FERRULES see Section 6 Pages 135-146




2 HIGH PRESSURE HOSE

2

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www.stauffwebshop.co.uk



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If you have a modern smartphone like an iPhone or any phone that runs Google Android, it can read Free QR Codes. Simply download and install an App from the App Store or the Android Marketplace on your phone and you're ready to go.



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- Synchronise your part numbers with Stauff SAP article codes
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- Stock availability in real time
- Reduction in order placement time
- Direct delivery to your customer
- Reduced administration costs
- Order confirmation
- Low FREE carriage threshold



Specify your hose assembly requirements online with
the Stauff webshop hose configurator

... see page **146** for details

Contact us for your logon details:
webshop@stauff.co.uk
or call **0114 251 8518**








































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












HYDRAULIC APPLICATIONS

Agricultural Hydraulics 	Low Temperature Environments 	Cherry Pickers 	Self-Extinguishing Flame Retardant 
Agricultural Sprayer 	Machine Tools 	Deck Cranes 	Servo Controls 
Anti Spatter 	Marine Hydraulics 	Earth Moving Equipment 	Spark Safe 
Articulating Booms 	Mining 	Forklift 	Telehandlings 
Automotive Roof Opening Systems 	Off-Shore Applications 	High Pressure Industrial Gases 	Tower Cranes 
Bicycle Disk Brakes 	Off-Shore ROVs 	High Tension Wind Generation 	Truck Platform 
Boat Steering 	Power Chains 	Hose Reels 	Umbilicals 
Bolt Tensioning 	Pressure Test Equipment 	Jacking Applications 	Yacht Hydraulic Systems 
Cabin Lift 	Rescue Tooling 	Loader Cranes 	Scissor Lifts 
Car Transporter 			

INDUSTRIAL APPLICATIONS

Air Cylinder Filling 	Low Temperature Environments 	Greasing Applications 	Solvents & Aggressive Chemicals 
Air-less Paint Spray 	Professional Power Washer 	High Pressure Industrial Gases 	Water Delivery 
Beverage Dispensing 	PU Foam 	High Temperatures 	Water Jetting Trailers 
Corrugated Hose Bunch Protector 	Sewer Cleaning 	Hobby Power Washer 	Water Jetting 
Corrugated Hose Protector 	Shock Resistant 	Hose Reels 	Weather and U.V. Resistant 
Fire Extinguishing 	Steam 		

TECHNICAL DATA

SAP Article Code 	Thread 	Burst Pressure 	Dimensions 
Manufacturers Article Code 	Tube Size 	Working Pressure 	Bend Radius 
Flange Size 	O.D. (Specified Wire or Cover) 	I.D. 	Thickness 
Weight 			

We recognise strength in partnership and support Industry Initiatives through active membership.

Stauff are proud to be linked with the following associations:




Our dedication to quality is prevalent in our operational standards aimed to improve our service to our customers.

This desire to ensure supply of quality products has been verified by the award of both Det Norske Veritas and Lloyds Register in relation to hydraulic hose assembly.

The following certificates highlight our consistent high standards:



To view on-line


DET NORSKE VERITAS
TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. P-13957

This is to certify that the
Flexible Hoses of Non-Metallic Material with Permanently Fitted Couplings

with type designation(s)
4SH and 4SP, R13 and R15


Manufactured by
STAUFF UK LTD
SHEFFIELD, United Kingdom


is found to comply with
Det Norske Veritas' Rules for Classification of Ships
Det Norske Veritas' Offshore Standards
Det Norske Veritas' Standards for Certification 2.9 No. 5-791.70

Application
The hoses may be used for: **Water based hydraulic fluids, water glycol compressed air, water and sanitary.**


Temperature range: **-40°C to +100°C**
Max. working press.: **See certificate**
Sizes: **See certificate**

Høvik, 2012-03-09
for Det Norske Veritas AS


Marianne Spæren
Head of Section


DNV local office:
Sheffield

This Certificate is valid until
2015-12-31



Tom Berg-Nielsen
Surveyor

This Certificate is subject to terms and conditions everlast. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed. If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.

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Form No.: TA 1411a Issue: October 2009

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DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. P-13958

This is to certify that the
Flexible Hoses of Non-Metallic Material with Permanently Fitted Couplings
 with type designation(s)
R7, R8, 1 wire Thermoplastic hoses


Manufactured by
STAUFF UK LTD
SHEFFIELD, United Kingdom

is found to comply with
 Det Norske Veritas' Rules for Classification of Ships
 Det Norske Veritas' Offshore Standards
 Det Norske Veritas' Standards for Certification 2.9 No. 5-791.70


Application
May be used for: Compressed air, industrial inert gas, fresh water systems
Not to be used in systems where pressure impulses occur.

Temperature range: -40°C to +100°C
Max. working press.: See certificate
Sizes: See certificate

Høvik, 2012-01-03
for Det Norske Veritas AS




Marianne Spæren
Head of Section



DNV local office:
Sheffield

This Certificate is valid until
2015-12-31



Tom Berg-Weisen
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Type Approval Certificate

This is to certify that the undernoted products have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

PRODUCER Stauff UK Ltd
500 Carlisle Street East
Sheffield, S4 8BS
United Kingdom (UK)

PLACES OF PRODUCTION **Assembly:**
Stauff UK Ltd
500 Carlisle Street East
Sheffield, S4 8BS
United Kingdom

Hoses: Semperit Technische Produkte Triester Bundesstrasse 26 A-2632 Wimpassing Austria	End Fittings: Tieffe S.p.A. Via del Industria 7/11 27010 Cura Carpignano Italy
--	---

DESCRIPTION Flexible hose assemblies with permanently attached end fittings

TYPE ISN;
2SN;
Stauff Compact Hose StauffPac 1 SNK;
Stauff Compact Hose StauffPac 2 SNK;
Stauff Multispiral Hose 4SP;
Stauff Multispiral Hose 4SH;
Stauff Multispiral Hose SAE 100R13;
Stauff Multispiral Hose SAE 100R15;
Stauff Thermoplastic Hose SAE 100R7;
Stauff Thermoplastic Hose SAE 100R8;
Stauff Thermoplastic Hose Multi Purpose 1 Wire;

Certificate No.	12/00024
Issue Date	26 April 2012
Expiry Date	25 April 2017
Sheet	1 of 5

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London Design Support Office
Lloyd's Register EMEA


*Lloyd's Register EMEA
71 Lynchurch Street, London EC3M 4BS*

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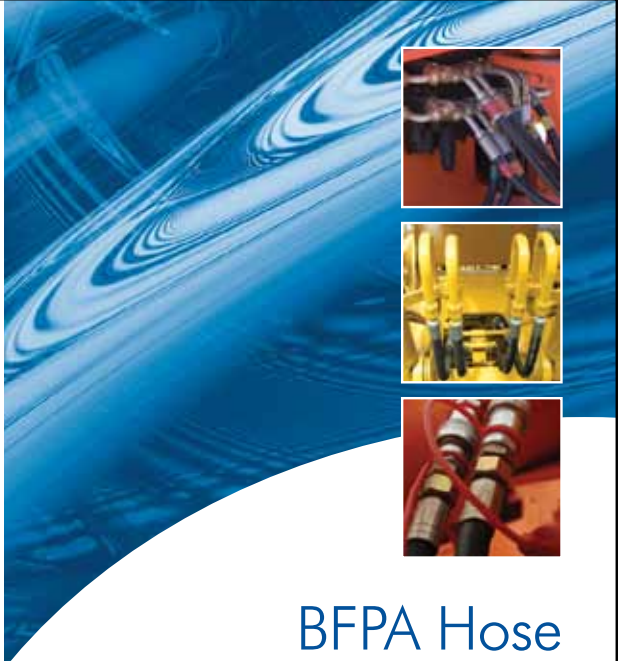


Approved and certified industry training scheme centre



Foundation Course in
Working Safely with Hydraulic
Hose and Connectors

BFPA Representing Hydraulic
& Pneumatic Industries



BFPA Hose
Assembly Skills
Training Programme

BFPA Representing Hydraulic
& Pneumatic Industries

In association with the British Fluid Power Association, Stauff currently host and provide instructors for 2 courses, vital for operators working with the assembly of Hydraulic Hose and Connectors.

Please contact our sales office for further details of the courses and to book a place with one of our instructors.



STORAGE OF HOSE AND HOSE ASSEMBLIES

Even under appropriate storage conditions and acceptable operating conditions hose and assemblies are subject to a natural ageing. Therefore the shelf life and service life is limited.

The storage conditions of rubber articles in general are described in detail in DIN 7716, DIN 20066 as well as in various other publications. *(Please contact your account manager for more details)*

Pertinent details regarding storage conditions extracted from DIN 7716 are:

The storage room should be cool, dry, with little dust and well ventilated

The storage temperature should be between -10°C and +15°C (max +25°C)

The stored material should be protected against sources of heat (direct heating)

The relative humidity of the air should not exceed 65%

Direct exposure to sunlight or artificial light with high UV radiation should be avoided

The influence of ozone is especially prejudicial. In the storage rooms no ozone-producing installations such as electrical engines, welding machines etc. must be operated

No solvents, fuels, lubricants, chemical products, disinfectants etc. must be stored in the same storage room as any hose.

Stockpiling hose over recommended heights should be avoided because the weight could damage the hose below. A recommended height of approximately 1.5m should be a maximum, but this depends on the dimension, construction and therefore weight of the hose.

Experience shows that damage caused by insects or rodents should not be under-estimated.



SERVICE LIFE OF HOSE AND HOSE ASSEMBLIES

In every day use hydraulic hose and assemblies are exposed to a series of stresses which makes it impossible to make a general statement about the service life of hose.

Standards and publications compiled by professional associations give directives for the service life of hydraulic hose:

Recommendations of DIN 20066

At the time of mounting (assembly of couplings) the hose should not be older than four years.

The working life of the hose should not exceed six years including a possible storage of a maximum of 2 years. However in determined areas of application the service life can be varied according to data of experience and specially considering the particular conditions of operation. Any data differing from the norms have to be indicated in the instructions of use.

British Standards BS 5244

Gives a much more detailed recommendation:

Test recommendations for hose:

Age	Recommendations
Up to 3 years	Use without further testing
3 to 5 years	Use after representative samples subjected to a proof pressure test
5 to 8 years	Use after representative samples subjected to proof, impulse and burst pressure tests and cold bend and electrical tests
Over 8 years	Scrap

Test recommendations for hose assemblies:

Age	Recommendations
Up to 3 years	Use without further testing
3 to 5 years	Use only after subjecting each assembly to a pressure test of 1.5 x design working pressure and representative samples to a burst pressure test
5 to 8 years	As above plus impulse pressure test and cold bend and electrical test on representative samples
Over 8 years	Scrap



INFLUENTIAL FACTORS ON SERVICE LIFE

If hose assemblies are exposed to operating conditions that pass the admissible tolerance a clear reduction of the products lifetime can be expected.

Experience shows that hydraulic assemblies are often over-stressed due to the following operating conditions:

Issue: Continuous exceeding of the admissible dynamic operating pressure

Effect: Cracking of wire braids due to fatigue, hose will burst

Issue: Exceeding of the indicated minimum bending radius

Effect: Over-stressing of wire construction and rubber material, clear reduction of impulse resistance

Issue: High exposure to sunlight (ozone, UV exposure), possibly combined with exceeding the minimum bending radius

Effect: Cracks in the hose cover, humidity will enter the wire layers, subsequent corrosion and bursting.

Issue: Continuous exceeding of working temperature resp. exceeding of indicated peak temperature

Effect: Ageing (hardening) and appearance of cracks in the hose liner, leakage and loosening of coupling

Issue: Simultaneous stresses within the admissible value limits

Effect: Constant operation with maximum operating pressure, maximum working temperature and minimum bending radius will also cause a limitation of the products service life

Hose that is already used as a component of an assembly should not be reused. The first application might have changed the characteristics of the material in such a way that a new one could mean increased risk.



BREAKDOWN OF HOSE ASSEMBLIES

Depending on their use hydraulic assemblies should be checked in defined periods to control their functionality and possible damage.

Together with the effects caused by over-stressing, failures of assemblies are due to the following:

Issue: Mechanical damage of the cover due to abrasion, cuts, squeezing and bending

Effect: Penetration of humidity into the wire layers, corrosion and bursting

Issue: Influence of heat due to exposure to exterior sources of high temperature

Effect: Ageing (hardening, drying) of the hose cover, cracks, corrosion and bursting

Issue: Inside overheating due to excessive flow velocity (frictional heat and turbulence)

Effect: Hardening, drying, partial scorching of the lining, corrosion and bursting

Note: The recommended flow velocity in hydraulic systems is between **3 and 6m/sec.**

In NO CASE should a flow velocity of **8m/sec** be exceeded!

Issue: Deforming of the hose: tearing, twisting and kinking

Effect: Deformation and over-stressing of the wire layers, bursting

Note: The construction of hydraulic hose is designed to resist the required pressure values BUT NOT to withstand tractive forces

Twisting a high pressure hose only 7° may reduce its service life up to 90%

Issue: Influence of aggressive media inadequate for the hose (inside and/or outside)
Extreme swelling or hardening of liner and cover, chemical destruction of the compound components, dissolution, corrosion, bursting

Note: Please follow the indications in the Table of Chemical Resistance

Issue: Damage, deformation or corrosion of the coupling
Reduction of functionality and stress resistance



MAKING THE RIGHT CHOICES

Hydraulic hose assemblies are used to transmit force by means of oil pressure and consist of flexible hydraulic hoses to which connectors are attached at either end to ensure safe, interlocking connections.

The correct choice of hose assembly components is influenced by many factors, in particular the dynamic working pressure, resistance to the media being transmitted and operating temperatures – both ambient and the media.

Follow the instructions

Often legal and other regulations need careful consideration where hydraulic hose assemblies are used, and the manufacturer should be informed about them when you make your enquiry. In some cases, observing the instructions for installation will determine the potential service life of a hydraulic hose assembly.



DETERMINING HOSE DIMENSIONS

The required inside diameter of a hose assembly is determined by the projected working pressure and the proposed rate of flow.

Never undersize hoses

Undersized hose assemblies result in a high flow rate of the medium. The ensuing turbulence causes considerable loss of pressure, noise and increased temperatures. This can be detrimental to the entire system.

If undersize valve connections suggest smaller hose diameters, we recommend the use of suitable adapters which then cause only local constrictions in the system.



DYNAMIC WORKING PRESSURE IS DECISIVE

In practice hydraulic hose assemblies are subjected to dynamic loading. A hose assembly must therefore be designed for operation at the maximum permissible working pressure specified for the respective hose type and size.

Safety factor 4:1

The working pressure of a hydraulic hose assembly is normally a quarter of the theoretical or specified bursting pressure. This safety factor of 4:1 conforms to SAE, DIN and EN-regulations.

Dynamic operating pressures...

is the most frequently operating condition in hydraulic systems. Pure static load is the absolute exception and therefore the Static Working Pressure has been eliminated from the standards.

Consider peak pressures

A hose with a higher pressure rating than the actual working pressure of the installation should be selected for systems in which sudden peak pressures occur.



CORRECT STORAGE EXTENDS SERVICE LIFE

The store room should be cool (up to +20°C) dry (rel. humidity max. 65%) and protected from sunlight. Exposure to ozone and UV radiation will shorten the service life of a hose.

The oldest hoses or assemblies in stock should always be used first.

For further details see DIN 7716.

**MONITORING HIGH
PRESSURE GAS SYSTEMS**

High pressure gas systems are extremely dangerous and require extra care and regular inspection.

Hose assemblies used in gas systems have to be suitably protected against mechanical damage and chemical and environmental influences.

The hoses of such installations should also be connected in such a way that they cannot whip in the event of a defect occurring.

Perforation of outside cover

The outside cover of a hose assembly used for the conveyance of gaseous media must be perforated.

**PRESSURE TESTING
AS A SAFETY CHECK**

Hose assemblies are statically tested by the manufacturer at suitable test pressures; neither leaks nor failure must occur.

**TEMPERATURE AFFECTS
SERVICE LIFE**

The operating temperatures given for hoses are the maximum temperatures of the medium.

Ambient temperatures must also be taken into consideration (see below).

Continuous operation at high temperatures can adversely affect the service life of the hose and the reliable retention of end connector integrity.

***Temperature resistance depends
on medium***

Hose assemblies cannot be used for any medium over the specified temperature range.

In case of doubt please ask!

Hoses assemblies will have a considerably longer service life if they are not continually used at the limits of their working pressure, bend radius, temperature of medium and environment.

**ALLOW FOR CHANGES
IN LENGTH**

Every hose is subject to certain changes in length under working pressure.

The standards specify that these values can vary between +2% to +4% at maximum working pressure.

This change in length must be taken into consideration in each case when calculating the nominal length of a hose assembly with connectors.

**OBSERVE THE MINIMUM
BEND RADIUS**

The specified minimum bend radius apply to stationary hose assemblies at maximum working pressure.

The service life of a hose assembly is impaired if bends of less than the recommended minimum bend radius are used. Working pressure should be reduced in such cases.



DAMAGED HOSES CAN CAUSE ACCIDENTS AND PERSONAL INJURY:

Damaged hydraulic hose assemblies always cause unexpected expense, however, they can also lead to severe accident and personal injury, even death. Many such accidents can be avoided if sufficient attention is paid to the early detection of damage.

Conditions for safe operation

- Choice of a suitable hose assembly for the required working pressure, conditions of operation and nominal diameter.
- Operating range in accordance with relevant standards or other regulations
- Professional installation, correct and careful routing
- Immediate replacement of visibly damaged hose assemblies

Main causes of damage

- Mechanical damage
- Too much bending
- Extreme tension
- Above-average twisting
- Severe compression
- Unsuitable medium

Possible consequences of damage

- Damage to outer cover down to steel wire reinforcement – may result in corrosion of wire reinforcement
- Deformation or embrittlement of outer cover
- Damage or deformation of hose fittings
- Possibility of bursting

Regular checks for early detection of damage

- Perfect condition of outer cover of hose – no cracks, bubbles, deformation, wear or kinking
- Proper attachment of fittings
- Proper routing – avoid extreme kinking, too much tension, violent twisting
- Check for leakage

Procedure for replacement of hoses

- Ensure there is no system flow/pressure
- Check suitability of replacement hose
- Install replacement hose
- Restore operating pressure
- Check for leaks



BURST PRESSURE MUST NEVER BE REACHED

The values specified for burst pressure are minimum values. They apply only to unused hose assemblies.

The burst pressure of a hose or a hose assembly must therefore remain a purely theoretical value for the user. In view of the safety requirements imposed on any installation, this value must never be reached – or even approached – in practice.

It is incorrect to assume that comparable hoses of different manufactures have longer service life under the same operating conditions the higher the rating for bursting pressure is. Designers should therefore take dynamic pressure values into consideration.

AS SOON AS A HOSE SHOWS ANY DAMAGE IT HAS TO BE REPLACED IMMEDIATELY

IMPULSE TEST TO MEASURE PERFORMANCE

The impulse test is the most severe test for a hose assembly, reproducing practical operating conditions very closely.

Our manufacturing quality assurance department therefore continually takes samples and subjects them to impulse test quality.

This test is carried out as follows: the hose assembly under test is given the minimum bend radius specified by the standard and subjected to an alternating load varying between a flushing pressure of approx. 10 bar and a pressure equal to 125% or 133% of its dynamic working pressure.



Testing up to 500.000 load cycles...

Depending on the type of hose, the sample is expected to withstand at least 150.000, 200.000 or 500.000 load cycles under these conditions.

Special designs such as 2 SN-K, SPC-2 and SPC-3 are further impulse tested up to 1 million cycles.

Full details of test methods and quality requirements, such as chemical and physical tests, media resistance, ageing characteristics, etc. can be found in the SAE J 343, EN 853 to 857 and ISO 1436 standards.



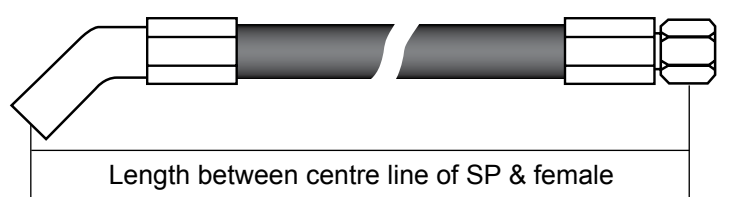
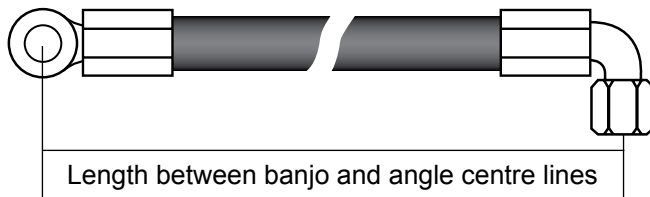
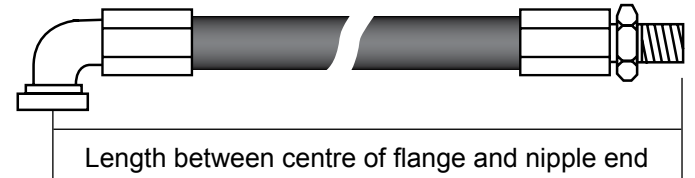
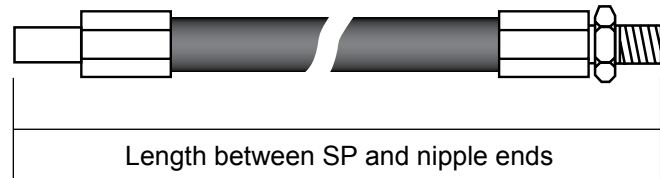
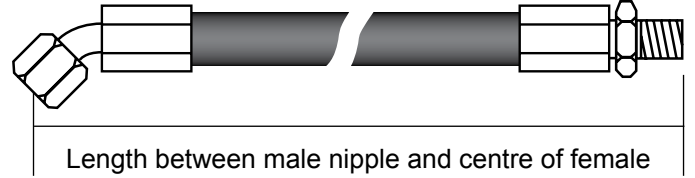
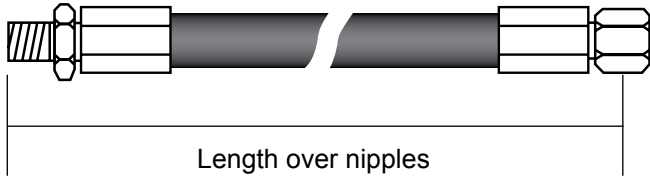
Application and customer specific dynamic and pressure testing

We also undertake a full range of customer specific pressure testing programmes to ensure fitness of purpose in all types of enhanced requirement applications.

This testing, up to 5,000 Bar, can be built in as part of the hose assembly manufacturing programme where this is undertaken at the Stauff Hose and Tube Technology Centre.

HOSE ASSEMBLY

Determining the overall length of the assembly to be produced.



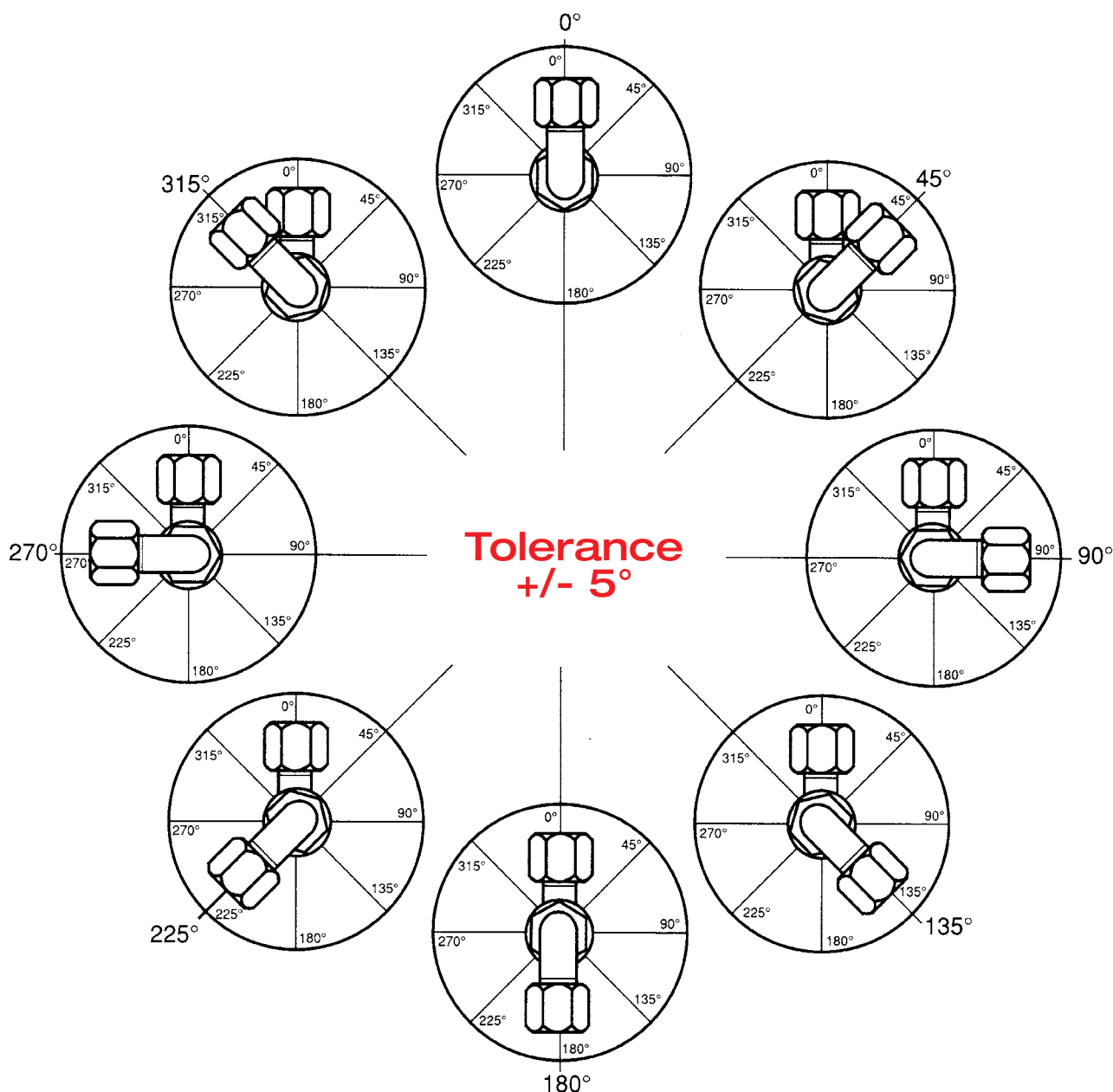
TOLERANCES OF LENGTH OF HOSE ASSEMBLIES

Length	Tolerance		
	Up to and including 25	Over 25 and including 50	Over 50
Up to and including 630	+ 7mm - 3mm	+ 12mm - 4mm	+ 25mm - 6mm
Over 630 and including 1250	+ 12mm - 4mm	+ 20mm - 6mm	
Over 1250 and including 2500	+ 20mm - 6mm		+ 25mm - 6mm
Over 2500 and including 8000		+ 1.5% - 0.5%	
Over 8000		+ 3% - 1%	

CALCULATING THE ANGLE SETTINGS

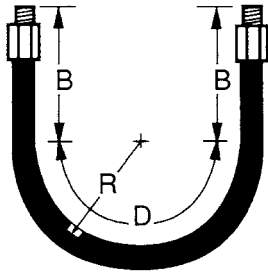
The angle settings of hose assemblies with elbow connectors at either end needs to be very carefully determined. Use the following instructions and illustration guidelines to ensure accurate measurement.

- Look along the hose assembly, with the rear connector away from the body and pointing upwards.
- Now specify how many degrees the front connector is rotated in a clockwise direction.
- Acceptable Tolerance $\pm 5^\circ$.



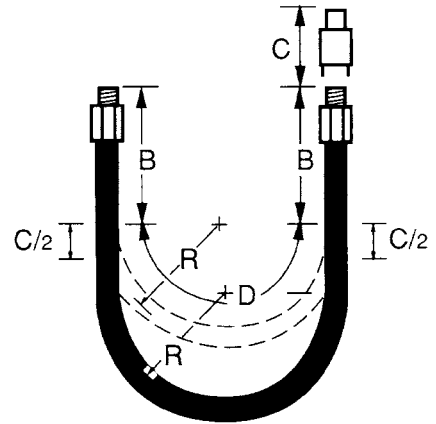
CALCULATING THE HOSE LENGTH

The service life of hose assemblies can be increased by proper measurement and installation. Please follow the following instructions.



Overall length
 $L = 2B + 3.14R$

R = Minimum bend radius



Overall length
 $L = 2B + 3.14R + C$

Additional length C should be allowed for if vertical movement takes place

Depending on the hose diameter, the following table gives the minimum length B, that should be allowed for at the end of the connectors of a hose assembly.

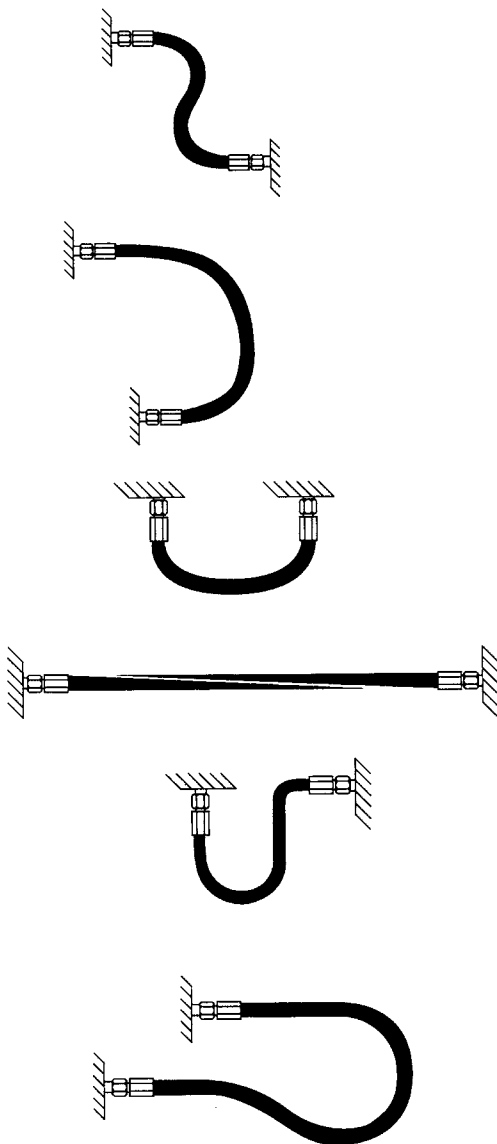
DN Ø	6	8	10	12	16	20	25	32	40
B (mm)	90	100	110	120	130	140	160	180	200

CORRECT INSTALLATION TECHNIQUES

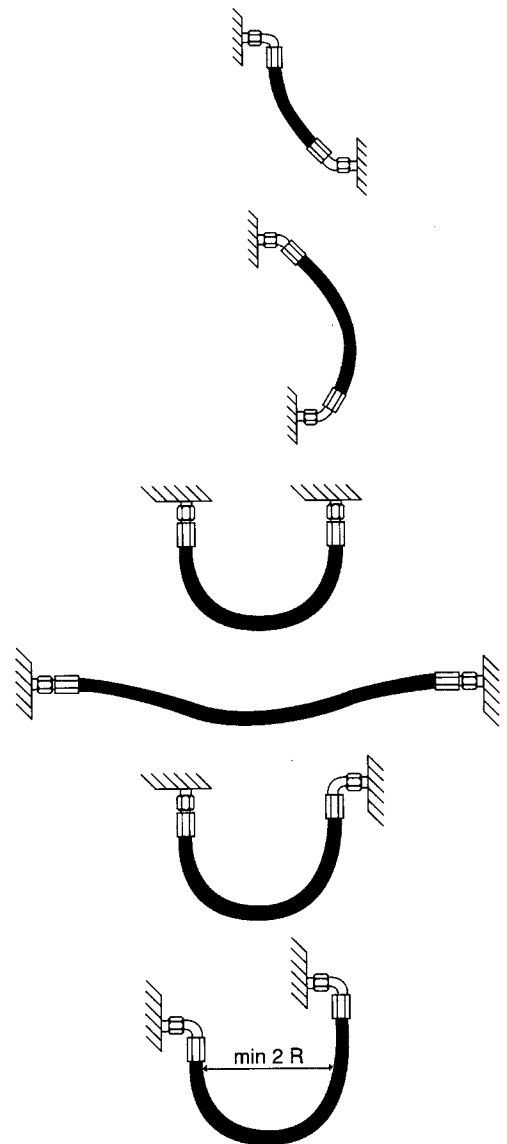
- Under pressure, alterations of +2 % to +4 % can occur in the length of hose assemblies.
- Hoses should therefore be installed with slack or curves.
- Hose assemblies should never be installed twisted (no torsion).
- Hose assemblies should not be bent excessively – **use elbow connectors instead**
- Note minimum bend radius.
- If vertical displacement occurs, allow for amount of travel.
- Protect from external damage (use protective spirals).



Incorrect



Correct



SWIVEL END THREAD		DASH SIZE		NUT EXAGON mm
DKR	1/8"-28	02	FGP	14
DKR / DKOR	1/4"-19	04	FGP-FGL-FGOL	19
DKR / DKOR	3/8"-19	06	FGP-FGL-FGOL	22
DKR / DKOR	1/2"-14	08	FGP-FGL-FGOL	27
DKR / DKOR	5/8"-14	10	FGP-FGS-FGOS	30
DKR / DKOR	3/4"-14	12	FGP-FGS-FGOS	32
DKR / DKOR	1"-11	16	FGP-FGS-FGOS	41
DKR / DKOR	1 1/4"-11	20	FGP-FGOS	50
DKR / DKOR	1 1/2"-11	24	FGP-FGOS	55
DKR / DKOR	2"-11	32	FGP-FGOS	70
DKJ	7/16"-20	04	FI	15
DKJ	1/2"-20	05	FI	17
DKJ	9/16"-18	06	FI	19
DKJ	3/4"-16	08	FI	24
DKJ	7/8"-14	10	FI	27
DKJ	1 1/16"-12	12	FI-FIS	32
DKJ	1 3/16"-12	14	FI-FIS	36
DKJ	1 5/16"-12	16	FI-FIS	41
DKJ	1 5/8"-12	20	FI-FIS	50
DKJ	1 7/8"-12	24	FI-FIS	55
DKJ	2 1/2"-12	32	FI-FIS	70
ORFS	9/16"-18	04	FRS	17
ORFS	11/16"-16	06	FRS	22
ORFS	13/16"-16	08	FRS	24
ORFS	1"-14	10	FRS	30

TORQUE VALUE (Nm)	
Nominal	Min. - Max.
15	
20	15 - 25
34	27 - 41
60	42 - 76
69	44 - 94
115	95 - 135
140	115 - 165
210	140 - 280
290	215 - 365
400	300 - 500
15	9 - 21
20	13 - 27
30	18 - 42
50	30 - 70
69	44 - 94
98	63 - 133
118	73 - 163
140	90 - 190
210	135 - 285
290	215 - 365
400	300 - 500
14	16
24	27
43	47
60	68

Female Swivel Ends Torque Values - "CP-CX" Series

TECHNICAL GUIDANCE

SWIVEL END THREAD		DASH SIZE		NUT EXAGON mm
ORFS	1 3/16"-12	12	FRS	36
ORFS	1 7/16"-12	16	FRS	40
ORFS	1 11/16"-12	20	FRS	50
ORFS	2"-12	24	FRS	60
DKOL	M12x1,5	6L	FOS	14
DKOL / DKL	M14x1,5	8L	FOS / FM	17
DKOL / DKL	M16x1,5	10L	FOS / FM	19
DKOL / DKL	M18x1,5	12L	FOS / FM	22
DKOL / DKL	M22x1,5	15L	FOS / FM	27
DKOL / DKL	M26x1,5	18L	FOS / FM	32
DKOL	M30x2	22L	FOS	36
DKOL	M36x2	28L	FOS	41
DKOL	M45x2	35L	FOS	50
DKOL	M52x2	42L	FOS	60
DKOS	M14x1,5	6S	FOS	17
DKOS	M16x1,5	8S	FOS	19
DKOS	M18x1,5	10S	FOS	22
DKOS	M20x1,5	12S	FOS	24
DKOS	M22x1,5	14S	FOS	27
DKOS	M24x1,5	16S	FOS	30
DKOS	M30x2	20S	FOS	36
DKOS	M36x2	25S	FOS	46
DKOS	M42x2	30S	FOS	50
DKOS	M52x2	38S	FOS	60

TORQUE VALUE (Nm)	
Nominal	Min. - Max.
90	95
125	135
170	190
200	225
20	15 - 25
38	30 - 45
45	38 - 52
51	43 - 58
74	60 - 88
105	85 - 125
135	115 - 155
166	140 - 192
290	255 - 325
330	280 - 380
38	30 - 45
45	38 - 52
51	43 - 58
58	50 - 65
74	60 - 88
74	60 - 88
135	115 - 155
166	140 - 192
240	210 - 270
330	280 - 380

Fluid	Hoses type			
	DS1-A/DS1-T/DS2-A DS2-T DS1-SC/DS2-SC/FORTIUS FORTIUS 2/DS5/DS17/DS4 DS6/DS3/DS-1TE/DS-2TE DS-3TE/MASTER/OVERMASTER BIOFOREST/DS2-SC OZON RESISTANT/FAHRENHEIT 302/1/ FAHRENHEIT 302/2 FAHRENHEIT 302/16 FAHRENHEIT 302/5/HARC 2 HARC 2K/ENDLESS 1 ENDLESS 2/ICE-FLEX 2 ICE-FLEX 3/LEAN LINE	DS-4SP /DS-4SH/DS9-AT DS12/DS13/DS15/HARC SP HARC SH/ENDLESS SP ENDLESS SH/WATERBLAST	HOT WATER 210 COMPACT HOT WATER 210 THIN COVER/HOT WATER 250 HOT WATER 315 HOT WATER 400 COMPACT HOT WATER 400 THIN COVER/HOT WATER 500	DS7/DS8
ACETIC ACID	-	-	-	A
ACETIC ACID (30%)	B	B	B	A
ACETONE	C	C	C	A
ACETYLENE	A	A	A	A
AMMONIA,GAS (HOT)	B	B	B	
AMMONIA,LIQUID	A	A	A	A
AMMONIUMCHLORIDE	-	-	-	C
AMYL ACETATE	C	C	C	-
ANILINE	C	C	C	B
ANIMAL OILS	A	A	A	A
BENZOL/BENZENE	C	C	C	A
BUTANE	B	B	B	A
BUTYL ACETATE	C	C	C	-
BUTYL ALCOHOL/BUTANOL	A	A	A	-
CALCIUM CHLORIDE SOLUTIONS	-	-	-	A
CARBON DIOXIDE	A	A	A	-
CARBON DISULFIDE	C	C	C	-
CARBONATES	B	B	B	-
CAUSTIC SODA	A	A	A	-
CHLORINATED SOLVENTS	C	C	C	-
CHLORINE	C	C	C	C
CHLOROFORM	C	C	C	C
CITRIC ACID SOLUTIONS	A	A	A	A
COMPRESSED AIR	A	A	A	A
CYCLOHEXANE	B	B	B	A
CRUDE PETROLEUM OIL	A	B	B	A
DIOCTYL PHTHALATE	-	-	-	A
DISEL FUEL	A	B	B	A
ETHERS	B	B	B	-
ETHYL ACETATE	C	C	C	-
ETHYL ALCOHOL	A	A	A	B
ETHYL CELLULOSE	A	A	A	-
ETHYL CHLORIDE	C	C	C	-
ETHYLENE GLYCOL	A	A	A	A
ETHYLENEOXIDE	C	C	C	A
FLUORINE	C	C	C	C
FORMALDEHYDE	A	A	A	-
FORMALDEHYDE 40%	A	A	A	B
FUEL OIL	A	A	B	-
GASEOUS HYDROGEN	B	B	B	A
GASOLINE	A	B	A	A
GLYCERIN/GLYCEROL	A	A	A	A
GLYCOL TO 66°C	A	A	A	A
HEXANE	A	A	A	A
HYDRAULIC OIL	A	A	C	-
HYDROCHLORIC ACID 37%	C	C	C	C

A - It corresponds to an excellent chemical resistance, with minimum or no properties changement
B - It corresponds to a limited chemical resistance, with moderately acceptable properties changements
C - It corresponds to an inadequate behaviour, with drastic collapse of all the characteristics

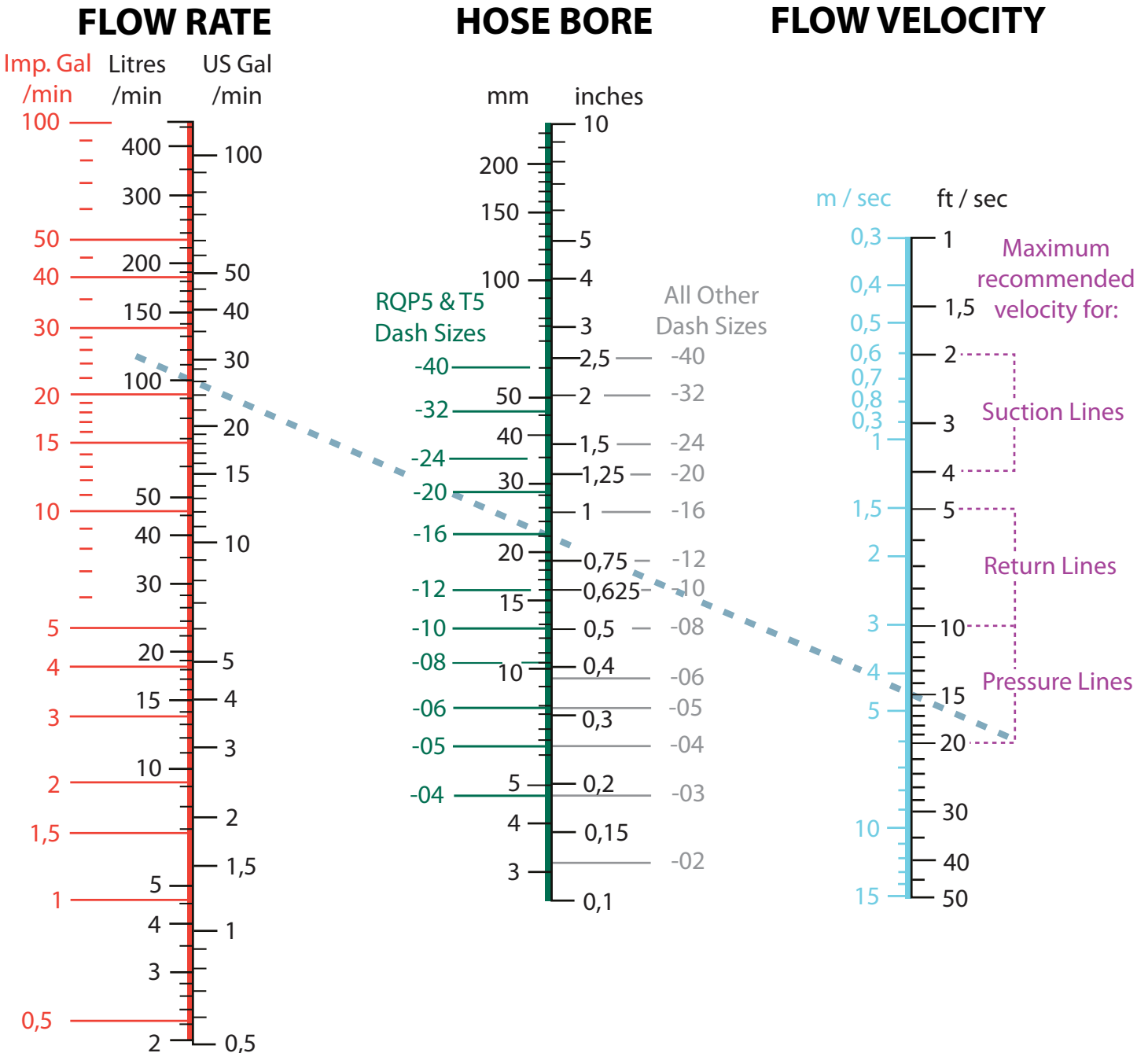
Fluid	Hoses type			
	DS1-A/DS1-T/DS2-A DS2-T DS1-SC/DS2-SC/FORTIUS FORTIUS 2/DS5/DS17/DS4 DS6/DS3/DS-1TE/DS-2TE DS-3TE/MASTER/OVERMASTER BIOFOREST/DS2-SC OZON RESISTANT/FAHRENHEIT 302/1/ FAHRENHEIT 302/2 FAHRENHEIT 302/16 FAHRENHEIT 302/5/HARC 2 HARC 2K/ENDLESS 1 ENDLESS 2/ICE-FLEX 2 ICE-FLEX 3/LEAN LINE	DS-4SP /DS-4SH/DS9-AT DS12/DS13/DS15/HARC SP HARC SH/ENDLESS SP ENDLESS SH/WATERBLAST	HOT WATER 210 COMPACT HOT WATER 210 THIN COVER/HOT WATER 250 HOT WATER 315 HOT WATER 400 COMPACT HOT WATER 400 THIN COVER/HOT WATER 500	DS7/DS8
HYDROGER PEROXIDE (DIL.) 1	A	A	A	-
HYDROGER PEROXIDE (CONC.)	B	B	B	-
IRUS 902 (Hydraulic fluid water-oil emulsion)	A	A	A	A
ISOCYANATES	-	-	-	B
ISOPROPIL AICOHOL	A	A	A	-
KEROSENE	A	A	A	A
LIQUID OXYGEN	C	C	C	-
LPG	B	B	B	-
LUBRIFICATING OILS	A	A	A	A
MERCURY	A	A	A	A
METHYL ALCOHOL/METHANOL	A	A	A	B
METHYL CHLORIDE (COLD)	C	C	C	A
METHYL ETHYL KHETONE	C	C	C	A
MINERAL OILS	A	A	A	A
NAPHTHA	A	A	A	A
NAPHTHAIENE	C	C	C	A
NATURAL GAS	A	A	A	-
NITRIC ACID (DIL.)	C	C	C	C
NITRIC ACID (CONC.)	C	C	C	C
NITROBENZEN	C	C	C	A
OIL OF TURPENTINE	A	C	A	A
OLEIC ACID	C	C	C	A
OXAUCACID	C	C	C	-
PERCHLOROETHYIENE	C	C	C	B
PHENOL	C	C	C	C
PHOSPHORIC ACID (10%)	A	A	A	-
PHOSPHORIC ACID (70%)	C	C	C	-
PHOSPHATE ESTER BASE OIL	C	C	C	-
SATURATED STEAM	C	C	C	-
SEA WATER	A	A	A	A
SILICONE OILS	A	A	A	-
SOAP SOLUTIONS	B	B	B	A
SODA	A	A	A	A
SODIUM CHLORIDE SOLUTIONS	A	A	A	A
SODIUM HYDROXIDE 20%	B	A	B	-
SODIUM HYPOCHLOIRYDE 10%	B	B	B	-
SULPHUR	A	A	A	A
SULPHUR DIOXIDE	C	C	C	-
SULPHURIC ACID UP TO 50%	C	C	C	A
SULPHURIC ACID ABOVE 50%	C	C	C	B
TOLUENE	C	C	C	A
TRICHLOROETHYIENE	C	C	C	B
VEGETABLE GREASES	A	A	A	-
WATER	A	A	A	A
XYLENE	C	C	C	A

This chart is intended as a guide only and is not a guarantee. Final selection of the proper material or component is further dependent on many factors including pressure, fluid, ambient temperature, concentration, duration of exposure, etc.

The correct size of a hose ID, required flow rate and recommended flow velocity can be selected using this nomograph. With knowledge of any 2 of these factors the third can be calculated.

Using this nomograph:

1. Pick the two known values
2. Lay a straightedge to intersect the two values
3. Intersection on the third vertical line give the value of that factor



The velocity of the fluid should not exceed the range shown in the right hand column. When oil velocities are higher than recommended in the chart, turbulent flow occurs, resulting in loss of pressure and excessive heating. For long hoses and/or high viscosity oil, or if the flow of hydraulic fluid is continuous, it is recommended to use figures at the lower end of the Maximum Recommended Velocity range. For short hoses and/or low viscosity oil, or if the flow of hydraulic fluid is intermittent or for only short periods of time, figures at the higher end of the Maximum Recommended Velocity range can be used.

DN	MM	5	6	8	10	12	16	19	25	31	38	51	
	INCH	3/16	1/4	5/16	3/8	1/2	5/8	3/4	1	1.1/4	1.1/2	2	
	DASH	-3	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	
HOSE TYPE / WORKING PRESSURES	PILOT		125	125	125	125							
	SAE 100 R 1 AT		192	175	157	140	105	87	70	43	35	26	
	EN 853, 1SN, 1SN EHT, SAE 100, R1S	250	225	215	180	160	130	105	88	63	50	40	
	EN 857, 1SC		225	215	180	160	130	105	88				
	STAUFFPAC 1 SN-K		290	250	230	200	150	125	110	100			
	AGRO FLEX		210	210	210	210							
	SAE 100 R17		210	210	210	210	210	210	210	210			
	SAE 100 R 2 AT		350	297	280	245	192	157	140	113	87	78	
	SAE 100 R 16		350	297	280	245	192	157	140				
	EN 853 2 SN, 2 SN EHT SAE 100 R 2S	415	400	350	330	275	250	215	165	125	90	80	
	EN 857 2SC		400	350	330	275	250	215	165				
	STAUFFSHIELD SSC		400	375	350	300	275	235	185				
	STAUFFPAC 2 SNK		450	420	385	345	290	280	200				
	SUPERPAC SPC 2				425	380	350	280	230				
	SUPERPAC SPC 3				500	470	410	375	310				
	SAE 100 R 4							21	17	14	10	7	
	EN 856 4SP				445	425	350	350	320	210	185	165	
	STAUFFSHIELD SSP				445	425	350	350	320				
	EN856 4 SH STAUFFSHIELD SSH							420	380	345	290	250	
	EN 856 SAE 100 R 12				280	280	280	280	280	210	175	175	
	EN 856 SAE 100 R 13							350	350	350	350	350	
	SAE 100 R 15							420	420	420	420		
	FLEXLINE 4000				280	280	280	280	280				
	STAUFF JET												
		1 SN		250	220	220	220						
		150		150									
		210		210									
		250		250	250	250	250						
	280				280								
	315			315									
	2 SN		400	400	400	400							
	2 SC		400	400	400	400							
	LOGLIFE		500	500	500	500							

HIGH ABRASION RESISTANT HOSES

Stauff High Abrasion Resistant Hose has been developed and updated over existing proven products for even better performance in the most demanding environment applications.

They rely on the use of highly developed formulae for hose cover construction and can be applied to all of the standard wire braid and wire spiral manufactured products.

STAUFFRoc

benefits from excellent ozone, UV, high temperature and salt water resistance. In addition this high specification product meets the demanding requirements of the underground coal mining industry.

Construction:

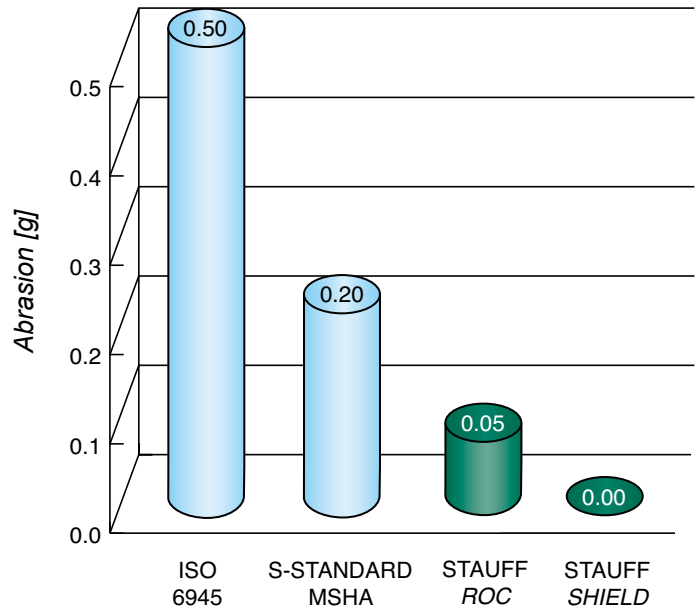
- Tube: Oil resistant synthetic rubber
- Reinforcement: One, two or four high tensile steel wire layers
- Cover: Synthetic rubber cover
Super abrasion resistance - graphic
Excellent ozone and UV resistant
Weather and salt water resistant
Flame resistant acc. to MSHA and DSK [LOBA] specs
Antistatic
Temperature range -40°C to +100°C up to 120°C [for max. 30% of the application].

STAUFFShield

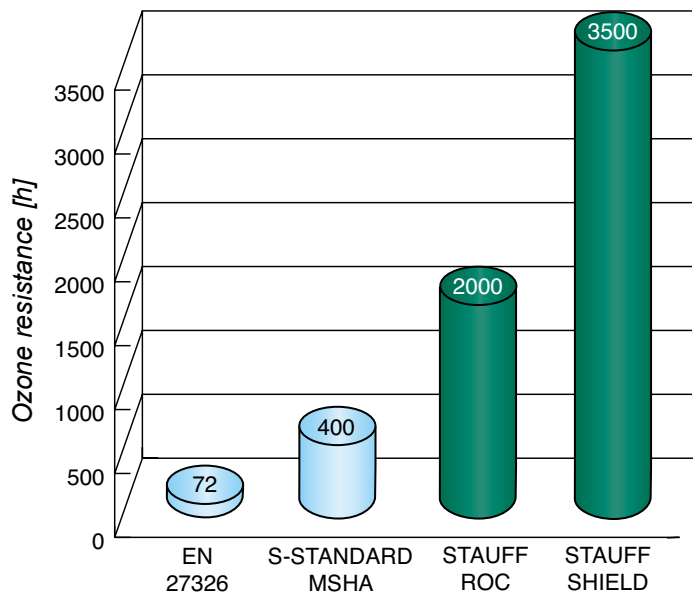
hose is known for its excellent wear and ozone resistance. This is achieved by a double layer construction with rubber cover and UHMW foil.

Testing to one million cycles, in accordance with EN ISO 6945, shows no measurable abrasion.

Abrasion values according to EN ISO 6945



Ozone resistance according to EN 27326



The following hose types can be supplied with STAUFFRoc or STAUFFShield cover specification:
1SN, 2SN, 2ST, 1SC, 2SC, R16, R17, 1SN-K, 2SN-K, SPC 2, SPC 3, 4SP, 4 SH, R12 BLACK

SEE PRODUCT DETAILS ON PAGES 51 to 54

LOW PRESSURE HOSE

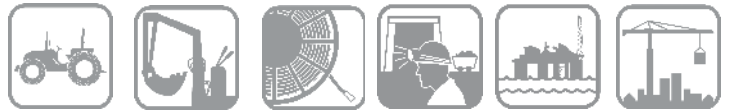
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EN 854 2TE	33
EN 854 3TE	34
SAE 100 R4	35
SAE J1402 AIR BRAKE	36



To view on-line



EN 854 1TE



APPLICATION

Low to medium hydraulic pressure lines. Suitable for conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air.

Beware when using hoses for air or inert gases, hose cover requires to be pricked to allow gas permeation and venting to the atmosphere.

CONSTRUCTION

Hydraulic oil resistant special synthetic rubber

REINFORCEMENT

1 High tensile synthetic textile braid

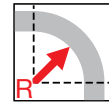
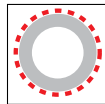
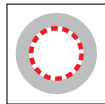
COVER

Oil, abrasion, ozone and weather resistant special synthetic rubber

TEMPERATURE RANGE

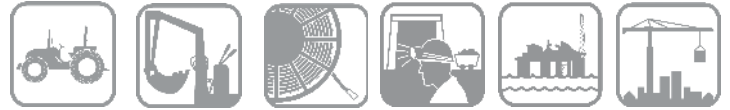
-40°C / +100°C (-40°F / +212°F)

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	DASH	INCH	MM	MM	BAR	PSI	BAR	MM	G/M
2020065237	-03	3/16	4,8	10,7	25	363	100	35	95
2020065238	-04	1/4	6,4	12,3	25	363	100	45	110
2020065239	-05	5/16	8	13,9	20	290	80	65	130
2020065240	-06	3/8	9,5	15,5	20	290	80	75	155
2020065241	-08	1/2	12,7	19	16	232	64	90	200
2020065242	-10	5/8	16	22,6	16	232	64	115	255
2020065243	-12	3/4	19	25,8	12	174	48	135	305
2020065244	-16	1	25,4	33,2	12	173	48	165	455

EN 854 2TE



APPLICATION

Medium to high pressure hydraulic lines. Suitable for conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air.

Beware when using hoses for air or inert gases, hose cover requires to be pricked to allow gas permeation and venting to the atmosphere.

CONSTRUCTION

Hydraulic oil resistant special synthetic rubber

REINFORCEMENT

2 High tensile synthetic textile braid

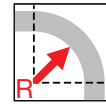
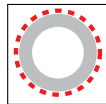
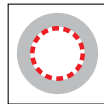
COVER

Oil, abrasion, ozone and weather resistant special synthetic rubber

TEMPERATURE RANGE

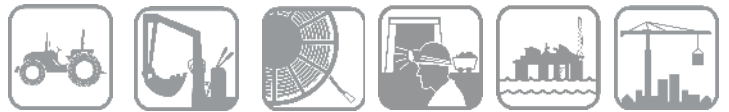
-40°C / +100°C (-40°F / +212°F)

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	DASH	INCH	MM	MM	BAR	PSI	BAR	MM	G/M
2020065245	-03	3/16	4,8	11,8	80	1160	320	25	115
2020044947	-04	1/4	6,4	13,4	75	1088	300	40	145
2020065246	-05	5/16	8	14,9	68	986	272	50	165
2020065247	-06	3/8	9,5	16,5	63	914	252	60	190
2020044698	-08	1/2	12,7	19,7	58	841	232	70	230
2020040735	-10	5/8	16	23,9	50	725	200	90	315
2020044697	-12	3/4	19	27	45	653	180	110	370
2020044948	-16	1	25,4	34,4	40	580	160	150	540
2020044945	-20	1.1/4	31,8	41,4	40	580	160	170	705
2020065248	-24	1.1/2	38,1	48,1	30	435	120	190	835

EN 854 3TE



APPLICATION

Medium to high pressure hydraulic lines. Suitable for conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air.

Beware when using hoses for air or inert gases, hose cover requires to be pricked to allow gas permeation and venting to the atmosphere.

CONSTRUCTION

Hydraulic oil resistant special synthetic rubber

REINFORCEMENT

3 High tensile synthetic textile braid

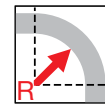
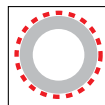
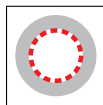
COVER

Oil, abrasion, ozone and weather resistant special synthetic rubber

TEMPERATURE RANGE

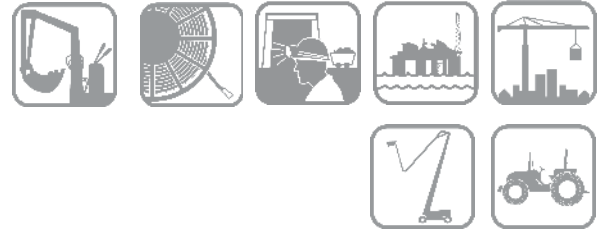
-40°C / +100°C (-40°F / +212°F)

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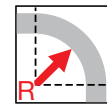
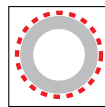
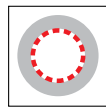
	DASH	INCH	MM	MM	BAR	PSI	BAR	MM	G/M
2020065249	-03	3/16	4,8	12,8	160	2320	640	40	135
2020065250	-04	1/4	6,4	14,4	145	2103	580	45	165
2020065251	-05	5/16	8	16,9	130	1885	520	55	215
2020065252	-06	3/8	9,5	18,5	110	1595	440	70	240
2020065253	-08	1/2	12,7	21,7	93	1349	372	85	295
2020065254	-10	5/8	16	25,9	80	1160	320	105	400
2020065255	-12	3/4	19	29	70	1015	280	130	455
2020065256	-16	1	25,4	35,9	55	798	220	150	610
2020044949	-16	1.1/4	31,8	42,3	45	653	180	190	745
2020065257	-16	1.1/2	38,1	49,6	40	580	160	240	950
2020044946	-16	2	50,8	62,3	33	480	132	300	1265
2020065258	-16	2.3/8	60	72	25	363	100	400	1535
2020065259	-16	3.1/8	80	94	18	260	72	500	1980
2020065260	-16	3.15/16	100	116	10	145	40	600	2645

SAE 100 R4



APPLICATION	Low pressure suction and delivery lines. Suitable for conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air.
CONSTRUCTION	Oil resistant synthetic rubber
REINFORCEMENT	2 textile reinforcements with steel helical body wire
COVER	Environment resistant synthetic rubber
TEMPERATURE RANGE	-40°C / +100°C (-40°F / +212°F)

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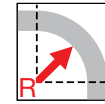
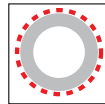
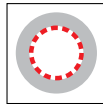
	DASH	INCH	MM	MM	PSI	BAR	MM	G/M
2020065263	-10	5/8	16	26,0	21	84	64	60
2020065264	-12	3/4	19	29,0	21	84	95	60
2020065265	-16	1	25,4	35,4	17	68	125	70
2020050524	-20	1.1/4	31,8	41,8	14	56	160	90
2020024875	-24	1.1/2	38,1	49	10	40	200	110
2020045184	-32	2	51	62,0	7	28	255	135
2020065266	-40	2.1/2	63,5	76,5	5	20	315	190
2020065272	-48	3	76,2	89,2	5	20	380	250
2020065267	-56	3.1/2	89	102	5	20	400	280
2020065268	-64	4	102	115,0	5	20	510	380

SAE J1402 AIR BRAKE



APPLICATION	Medium pressure hose lines. Suitable for conveying petroleum based hydraulic fluids and lubricating oils, diesel fuels, crude fuel oil and anti-freeze. Widely used in automotive air brake systems.								
CONSTRUCTION	Special synthetic rubber								
REINFORCEMENT	High tensile synthetic textile								
COVER	Abrasion, ozone and weather resistant special black synthetic rubber								
TEMPERATURE RANGE	-40°C / +80°C (-40°F / +176°F)								

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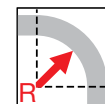
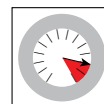
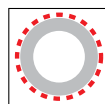
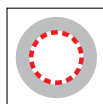
	DASH	INCH	MM	MM	BAR	PSI	BAR	MM	G/M
2020000185	-06	3/8	9,5	19	20,7	300	62	89	260
2020000229	-08	1/2	13	22,2	20,7	300	62	102	325
2020065269	-10	5/8	16	26,9	20,7	300	62	114	475

DIN 74310 AIR BRAKE



APPLICATION	10 Bar working pressure hose. Suitable for conveying petroleum based hydraulic fluids and lubricating oils, diesel fuels, crude fuel oil and anti-freeze. Widely used in automotive air brake and clutch systems for commercial vehicles and cars.								
CONSTRUCTION	Special synthetic rubber								
REINFORCEMENT	High tensile synthetic textile								
COVER	Abrasion, ozone and weather resistant special black synthetic rubber								
TEMPERATURE RANGE	-40°C / +80°C -40°F / +176°F								

000000100
10SAP1010
101010000
100011111



	DASH	INCH	MM	MM	BAR	PSI	BAR	MM	G/M
2020065270	-07	7/16	11	18	10	145	25	89	215
2020065271	-08	1/2	13	25	10	145	25	102	480

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SUPERPAC SPC 2.....	44
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To view on-line



SAE DIN EN 853 1SN



APPLICATION

Medium to high pressure hydraulic lines. Suitable for conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air. Beware when using hoses for air or inert gases, hose cover requires to be pricked to allow gas permeation and venting to the atmosphere.

CONSTRUCTION

Tube - oil resistant synthetic rubber

Cover - abrasion, ozone and weather resistant synthetic rubber

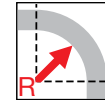
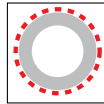
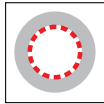
REINFORCEMENT

1 High tensile steel braid

TEMPERATURE RANGE

-40°C +100°C (120°C Max)

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100011111



			WIRE						KG/M
	INCH	MM	OD MM	COVER OD	BAR	PSI	BAR	MM	
2020000141	3/16	4,8	9,5	11,8	250	3625	1000	90	0,19
2020000150	1/4	6,4	11,1	13,4	225	3265	900	100	0,21
2020000173	5/16	7,9	12,7	15,0	215	3120	850	115	0,24
2020000192	3/8	9,5	15,1	17,4	180	2610	720	125	0,33
2020000234	1/2	12,7	18,3	20,6	160	2320	640	180	0,41
2020000262	5/8	15,9	21,4	23,7	130	1885	520	200	0,45
2020000280	3/4	19,0	25,4	27,7	105	1525	420	240	0,58
2020000301	1	25,4	33,3	35,6	88	1275	350	300	0,88
	1.1/4	31,8	40,5	43,5	63	915	250	420	1,23
2020000326	1.1/2	38,1	46,8	50,6	50	725	200	500	1,51
2020000335	2	50,8	60,2	64,0	40	580	160	630	1,97

For information on
**HOSE COUPLING
FERRULES**
see Section 6
Pages 135-146



SAE 100R 2AT EN 853 2SN



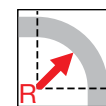
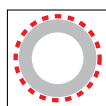
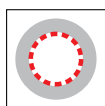
APPLICATION Medium to high pressure hydraulic lines. Suitable for conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air. Beware when using hoses for air or inert gases, hose cover requires to be pricked to allow gas permeation and venting to the atmosphere.

CONSTRUCTION Tube - oil resistant synthetic rubber
Cover - abrasion, ozone and weather resistant synthetic rubber

REINFORCEMENT 2 High tensile steel braids

TEMPERATURE RANGE -40°C +100°C (120°C Max)

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10SAP1010
101010000
100011111



			WIRE						KG/M
	INCH	MM	OD MM	COVER OD	BAR	PSI	BAR	MM	
2020043517	3/16	4,8	11,1	13,4	415	6020	1650	90	0,31
2020000163	1/4	6,4	12,7	15,0	400	5800	1600	100	0,33
2020000176	5/16	7,9	14,3	16,6	350	5075	1400	115	0,39
2020000208	3/8	9,5	16,7	19,0	330	4785	1320	125	0,50
2020000246	1/2	12,7	19,8	22,2	275	3990	1100	180	0,59
2020000265	5/8	15,9	23,0	25,4	250	3625	1000	200	0,71
2020000286	3/4	19,0	27,0	29,3	215	3120	860	240	0,86
2020000305	1	25,4	34,9	38,1	165	2395	660	300	1,28
2020000319	1.1/4	31,8	44,5	48,3	125	1815	500	420	2,02
2020000328	1.1/2	38,1	50,8	54,6	90	1305	360	500	2,20
2020000337	2	50,8	63,5	67,3	80	1160	320	630	2,85



WARNING

When using hoses for air and inert gases, the hose cover should be pricked to allow gas permeation and venting to atmosphere. Consider using spring guard or wire armour for protection of all hoses.

DIN EN 857 1SC



APPLICATION

Medium to high pressure hydraulic lines. Suitable for conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air. Beware when using hoses for air or inert gases, hose cover requires to be pricked to allow gas permeation and venting to the atmosphere.

CONSTRUCTION

Tube - oil resistant synthetic rubber

Cover - abrasion, ozone and weather resistant synthetic rubber

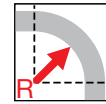
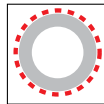
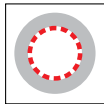
REINFORCEMENT

1 High tensile steel braid

TEMPERATURE RANGE

-40°C +100°C (120°C Max)

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101010000
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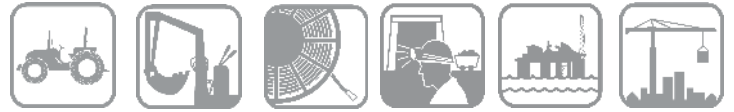


			WIRE		COVER					
	INCH	MM	OD MM	OD	BAR	PSI	BAR	MM	KG/M	
2020000147	1/4	6,4	10,2	13,5	225	3262	900	75	0,18	
2020065278	5/16	7,9	11,5	14,5	215	3117	860	85	0,21	
2020000189	3/8	9,5	13,6	16,9	180	2610	720	90	0,28	
2020000233	1/2	12,7	17,0	20,4	160	2320	640	130	0,33	
2020065279	5/8	15,9	20,4	23,0	130	1885	520	150	0,41	
2020035915	3/4	19,0	23,8	26,7	105	1522	420	180	0,52	
2020000300	1	25,4	31,3	34,9	88	1276	352	230	0,78	

For information on
**HOSE COUPLING
FERRULES**
see Section 6
Pages 135-146



DIN EN 857 2SC



APPLICATION

Medium to high pressure hydraulic lines. Suitable for conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air. Beware when using hoses for air or inert gases, hose cover requires to be pricked to allow gas permeation and venting to the atmosphere.

CONSTRUCTION

Tube - oil resistant synthetic rubber
Cover - abrasion, ozone and weather resistant synthetic rubber

REINFORCEMENT

2 High tensile steel braids

TEMPERATURE RANGE

-40°C +100°C (120°C Max)

	INCH	MM	WIRE OD MM	COVER OD	BAR	PSI	BAR	MM	KG/M
2020000162	1/4	6,4	11,2	14,2	400	5800	1600	75	0,28
2020048195	5/16	7,9	12,7	16,0	350	5075	1400	85	0,33
2020000206	3/8	9,5	15,0	18,3	330	4785	1320	90	0,42
2020000243	1/2	12,7	18,3	21,5	275	3987	1100	130	0,52
2020000264	5/8	15,9	21,4	24,7	250	3625	1000	170	0,61
2020000285	3/4	19,0	25,5	28,6	215	3117	860	200	0,79
2020000304	1	25,4	33,4	36,6	165	2392	660	250	1,10



WARNING

When using hoses for air and inert gases, the hose cover should be pricked to allow gas permeation and venting to atmosphere. Consider using spring guard, spiral guard or wire armour for protection of all hoses.

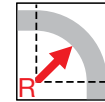
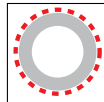
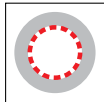
STAUFFPAC 1 SNK

Compact Hose



APPLICATION	Compact hose medium to high pressure lines. Suitable for conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air.
CONSTRUCTION	Tube - oil resistant synthetic rubber Cover - abrasion, ozone and weather resistant synthetic rubber
REINFORCEMENT	1 High tensile steel braid
TEMPERATURE RANGE	-40°C +100°C (120°C Max)

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10SAP1010
101010000
100011111



			WIRE						KG/M
	INCH	MM	OD MM	COVER OD	BAR	PSI	BAR	MM	
2020046157	1/4	6,4	10,0	11,8	290	4205	1160	40	0,18
2020046155	5/16	7,9	11,6	13,6	250	3625	1000	55	0,22
2020046156	3/8	9,5	13,7	16,5	230	3335	920	65	0,29
2020046154	1/2	12,7	16,9	19,0	200	2900	800	80	0,35
2020046153	5/8	15,9	20,5	22,3	150	2175	600	105	0,43
2020046152	3/4	19,0	24,0	26,2	125	1812	500	120	0,57
2020046151	1	25,4	31,3	34,0	110	1595	440	160	0,82
2020065280	1.1/4	31,8	40,5	44,0	100	1450	400	300	1,28



Impulse tested to 700,000 cycles

For information on
**HOSE COUPLING
FERRULES**
see Section 6
Pages 135-146



STAUFFPAC 2 SNK

Compact Hose



APPLICATION	Compact hose medium to high pressure lines. Suitable for conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air.
CONSTRUCTION	Tube - oil resistant synthetic rubber Cover - abrasion, ozone and weather resistant synthetic rubber
REINFORCEMENT	2 High tensile steel braids
TEMPERATURE RANGE	-40°C +100°C (120°C Max)

	INCH		MM		COVER OD	BAR	PSI	BAR	MM	KG/M
000000100 10SAP1010 101010000 100011111										
2020046150	1/4	6,4	13,4	450	6530	1800	45	0,29		
2020046147	5/16	7,9	15,0	420	6095	1680	60	0,34		
2020046148	3/8	9,5	17,4	385	5515	1540	70	0,44		
2020046146	1/2	12,7	20,6	345	4715	1380	90	0,54		
2020046145	5/8	15,9	23,7	290	4205	1160	130	0,63		
2020046144	3/4	19,0	27,7	280	3625	1120	160	0,84		
2020046143	1	25,4	35,6	200	2755	800	210	1,14		
2020065281	1.1/4	31,8	43,5	175	2540	700	300	1,52		

Impulse tested to 1 million cycles full omega [1.1/4" to 200,000 cycles]

SUPERPAC SPC 2

Compact Hose



APPLICATION

Medium to high pressure hydraulic lines. Suitable for conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air. Impulse tested to 400,000 cycles and 50% reduced bend radius than standard one braided SAE specification hose.

CONSTRUCTION

Tube - oil resistant synthetic rubber
Cover - abrasion, ozone and weather resistant synthetic rubber

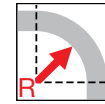
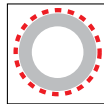
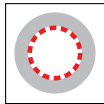
REINFORCEMENT

1 High tensile steel braid

TEMPERATURE RANGE

-40°C +100°C (120°C Max)

000000100
10SAP1010
101010000
100011111



			WIRE		COVER					
	INCH	MM	OD MM	OD	BAR	PSI	BAR	MM	KG/M	
2020065282	3/8	9,5	15,5	18,8	425	6162	1700	110	0,50	
2020065283	1/2	12,7	19,2	22,0	380	5510	1520	130	0,63	
2020065284	5/8	15,9	21,6	24,7	350	5075	1400	180	0,78	
2020065285	3/4	19,0	26,6	29,3	280	4060	1120	210	1,00	
2020065286	1	25,4	33,8	36,2	230	3335	920	240	1,35	



Impulse tested to 400,000 cycles

For information on
**HOSE COUPLING
FERRULES**
see Section 6
Pages 135-146



SUPERPAC SPC 3

Compact Hose



APPLICATION	Extremely High pressure hydraulic lines. Suitable for conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air.
CONSTRUCTION	Tube - oil resistant synthetic rubber Cover - abrasion, ozone and weather resistant synthetic rubber
REINFORCEMENT	3 High tensile steel braids
TEMPERATURE RANGE	-40°C +100°C (120°C Max)

000000100 10SAP1010 101010000 100011111	INCH		MM		WIRE		COVER		BAR		PSI		BAR		MM		KG/M
	INCH	MM	OD	MM	OD	MM	OD	MM	BAR	PSI	BAR	PSI	BAR	MM	KG/M		
2020065287	3/8	9,5	17,0	21,4	500	7250	2000	120	0,72								
2020065288	1/2	12,7	20,2	24,2	470	6815	1880	160	0,89								
2020065289	5/8	15,9	23,8	28,1	410	5945	1640	210	1,07								
2020065290	3/4	19,0	27,8	31,8	375	5437	1500	260	1,32								
2020065291	1	25,4	34,9	39,0	310	4495	1240	310	1,82								

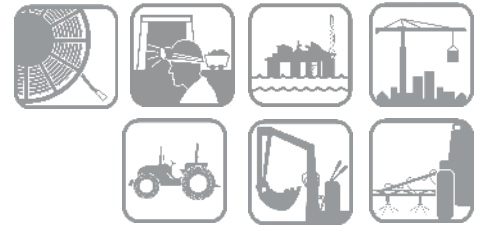
 Impulse tested to 400,000 cycles

For information on
**HOSE PROTECTION
PRODUCTS**
see Section 11
Pages 323-333



STAUFF Agrofex

Compact Hose



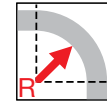
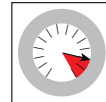
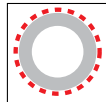
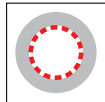
APPLICATION Constant 210 bar working pressure hose across all sizes. Suitable for petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air. Lightweight and flexible due to a reduced bend radius.

CONSTRUCTION Tube - oil resistant synthetic rubber
Cover - abrasion, ozone and weather resistant synthetic rubber

REINFORCEMENT 1 High tensile steel braid

TEMPERATURE RANGE -40°C +100°C

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101010000
100011111



			WIRE		COVER					
	INCH	MM	OD MM	OD	BAR	PSI	BAR	MM	KG/M	
2020065292	1/4	6,4	10,5	12,5	210	3045	840	45	0,19	
2020065293	5/16	7,9	12,0	14,3	210	3045	840	50	0,22	
2020065294	3/8	9,5	13,9	16,5	210	3045	840	60	0,27	
2020065295	1/2	12,7	17,6	19,7	210	3045	840	85	0,46	

For information on
**HOSE COUPLING
FERRULES**
see Section 6
Pages 135-146



STAUFFPilot

Compact Hose

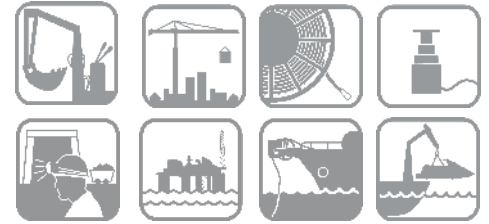


APPLICATION	Constant 125 bar working pressure hose across all sizes. Suitable for petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air. Lightweight and flexible due to a reduced bend radius.
CONSTRUCTION	Tube - oil resistant synthetic rubber Cover - abrasion, ozone and weather resistant synthetic rubber
REINFORCEMENT	1 High tensile steel braid
TEMPERATURE RANGE	-40°C +100°C (120°C Max)

000000100 10SAP1010 101010000 100011111											
	INCH	MM	WIRE OD MM	COVER OD	BAR	PSI	BAR	MM	KG/M		
2020040730	3/16	4,8	8,7	10,5	120	1740	480	20	0,13		
2020065296	1/4	6,4	9,9	11,7	125	1812	500	30	0,17		
2020065297	5/16	7,9	11,7	13,5	125	1812	500	40	0,19		
2020065298	3/8	9,5	13,0	14,6	125	1812	500	50	0,25		
2020065299	1/2	12,7	16,2	18,0	125	1812	500	60	0,31		

DIN EN 856 4SP

Multispiral Hose



APPLICATION

High pressure hydraulic hose. Suitable for conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air. All STAUFF Flex Spiral hose is fully branded Flame Resistant US MSHA approval N0.IC-188

CONSTRUCTION

Tube - oil resistant synthetic rubber

Cover - abrasion, ozone and weather resistant synthetic rubber

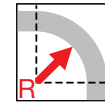
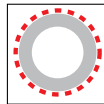
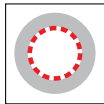
REINFORCEMENT

4 High tensile steel wire spiral layers

TEMPERATURE RANGE

-40°C +121°C

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101010000
100011111



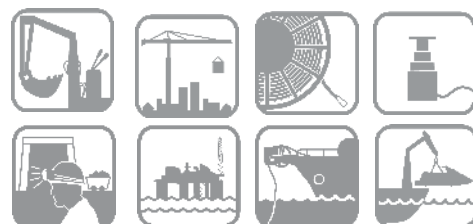
			WIRE		COVER					
	INCH	MM	OD MM	OD	BAR	PSI	BAR	MM	KG/M	
2020000224	3/8	9,5	17,5	21,4	445	6452	1780	180	0,78	
2020000256	1/2	12,7	20,2	24,6	415	6017	1660	230	0,93	
2020000271	5/8	15,9	23,8	28,2	350	5075	1400	250	1,17	
2020000291	3/4	19,0	28,2	32,2	350	5075	1400	300	1,48	
2020000310	1	25,4	35,3	39,7	320	4640	1280	340	2,02	
2020000320	1.1/4	31,8	46,0	50,8	210	3045	840	460	3,05	
2020000329	1.1/2	38,1	52,4	57,2	185	2682	740	560	3,52	
2020000338	2	50,8	65,3	69,8	165	2392	660	660	5,20	

For information on
**HOSE COUPLING
FERRULES**
see Section 6
Pages 135-146



DIN EN 856 4SH

Multispiral Hose



APPLICATION	High pressure hydraulic hose. Suitable for conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air. All STAUFF Flex Spiral hose is fully branded Flame Resistant US MSHA approval NO.IC-188
CONSTRUCTION	Tube - oil resistant synthetic rubber Cover - abrasion, ozone and weather resistant synthetic rubber
REINFORCEMENT	4 High tensile steel wire spiral layers
TEMPERATURE RANGE	-40°C +121°C

	INCH		MM		BAR		PSI		KG/M	
	INCH	MM	WIRE OD MM	COVER OD	BAR	PSI	BAR	MM	KG/M	
2020000272	3/4	19,0	28,4	32,2	420	6090	1680	280	1,53	
2020000293	1	25,4	35,2	38,7	380	5510	1520	340	2,06	
2020000312	1.1/4	31,8	41,9	45,5	345	5002	1380	460	2,46	
2020000323	1.1/2	38,1	48,8	53,5	290	4205	1160	560	3,35	
2020000331	2	50,8	63,2	68,1	250	3625	1000	700	4,55	

 All STAUFF Flex Spiral hose is fully branded: **Flame Resistant US MSHA APPROVAL NO.IC-188**

For information on
**INTERLOCK HOSE
COUPLING
FERRULES**
see Section 8
Page 273-274



SAE 100 R16



APPLICATION

Medium to high pressure lines. Suitable for conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air. 50% reduced bend radius than standard two braided SAE specification hose.

CONSTRUCTION

Tube - oil resistant synthetic rubber

Cover - abrasion, ozone and weather resistant synthetic rubber

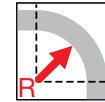
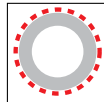
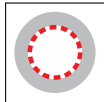
REINFORCEMENT

2 High tensile steel braids

TEMPERATURE RANGE

-40°C +100°C

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10SAP1010
101010000
100011111



			WIRE		COVER					
	INCH	MM	OD MM	OD	BAR	PSI	BAR	MM	KG/M	
2020065300	1/4	6,4	12,3	14,4	350	5075	1400	50	0,26	
2020065301	5/16	7,9	13,3	15,7	297	4310	1188	55	0,31	
2020065302	3/8	9,5	15,8	18,8	280	4060	1120	65	0,40	
2020065303	1/2	12,7	19,0	21,9	245	3555	980	90	0,48	
2020065304	5/8	15,9	22,4	25,4	192	2785	768	100	0,55	
2020065305	3/4	19,0	26,2	28,9	157	2280	628	120	0,71	
2020065306	1	25,4	34,0	36,5	140	2030	560	150	1,00	

For information on
**HOSE COUPLING
FERRULES**
see Section 6
Pages 135-146



SAE 100 R16 S



- APPLICATION** Medium to high pressure lines. Suitable for conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air. 50% reduced bend radius than standard two braided SAE specification hose.
- CONSTRUCTION** Tube - oil resistant synthetic rubber
Cover - abrasion, ozone and weather resistant synthetic rubber
- REINFORCEMENT** 2 High tensile steel braids
- TEMPERATURE RANGE** -40°C +100°C

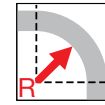
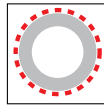
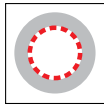
000000100 10SAP1010 101010000 100011111											
	INCH	MM	WIRE OD MM	COVER OD	BAR	PSI	BAR	MM	KG/M		
2020065347	1/4	6,5	11,2	12,8	400	5800	1600	50	0.26		
2020065348	5/16	8,0	12,5	14,5	350	5075	1400	55	0.31		
2020065349	3/8	9,6	14,4	16,2	330	4785	1320	65	0.40		
2020065350	1/2	12,8	17,5	19,4	275	3987	1100	90	0.48		
2020065351	5/8	16,0	21,5	23,4	250	3625	1000	100	0.55		
2020065352	3/4	19,1	25,1	26,9	215	3117	860	120	0.71		
2020065353	1	25,5	32,3	34,8	165	2392	660	150	1.00,,		

SAE 100 R17



APPLICATION	Constant 210 bar working pressure hose across all sizes. Suitable for petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air.
CONSTRUCTION	Tube - oil resistant synthetic rubber Cover - abrasion, ozone and weather resistant synthetic rubber
REINFORCEMENT	1 High tensile steel braid up to 1/2 2 braids 5/8 and above
TEMPERATURE RANGE	-40°C +100°C

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10SAP1010
101010000
100011111



			WIRE		COVER					
	INCH	MM	OD MM	OD	BAR	PSI	BAR	MM	KG/M	
2020065314	1/4	6,4	10,5	12,5	210	3000	840	50	0,19	
2020065315	5/16	7,9	12,0	14,3	210	3000	840	55	0,22	
2020065316	3/8	9,5	13,9	16,5	210	3000	840	65	0,27	
2020065317	1/2	12,7	17,6	19,7	210	3000	840	90	0,46	
2020065318	5/8	15,9	21,9	24,0	210	3000	840	105	0,57	
2020065319	3/4	19,0	25,7	28,0	210	3000	840	125	0,78	
2020065320	1	25,4	33,8	36,2	210	3000	840	150	1,40	

DIN EN 856 SAE 100 R12



- APPLICATION** Medium pressure hydraulic hose. Suitable for conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air. All STAUFF Flex Spiral hose is fully branded Flame Resistant US MSHA approval N0.IC-188
- CONSTRUCTION** Tube - oil resistant synthetic rubber
Cover - abrasion, ozone and weather resistant synthetic rubber
- REINFORCEMENT** 4 High tensile steel wire spiral layers
- TEMPERATURE RANGE** -40°C +121°C

	INCH	MM	WIRE OD MM	COVER OD	BAR	PSI	BAR	MM	KG/M
2020065321	3/8	9,5	17,2	20,3	280	4060	1120	125	0,70
2020065322	1/2	12,7	20,7	23,8	280	4060	1120	180	0,84
2020065323	5/8	15,9	24,6	27,4	280	4060	1120	200	1,10
2020065324	3/4	19,0	27,7	30,7	280	4060	1120	240	1,33
2020065325	1	25,4	34,9	38,0	280	4060	1120	300	1,85
2020065326	1.1/4	31,8	43,9	47,0	210	3045	840	420	2,65
2020065327	1.1/2	38,1	50,4	53,5	175	2537	700	500	3,20
2020065328	2	50,8	63,7	66,7	175	2537	700	630	4,50

For information on
**HOSE COUPLING
FERRULES**
see Section 6
Pages 135-146



DIN EN 856 SAE 100 R13



APPLICATION	Extremely high pressure hydraulic hose. Suitable for conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air. All STAUFF Flex Spiral hose is fully branded Flame Resistant US MSHA approval N0.IC-188
CONSTRUCTION	Tube - oil resistant synthetic rubber Cover - abrasion, ozone and weather resistant synthetic rubber
REINFORCEMENT	4 High tensile steel wire spiral layers up to 1" 6 steel wire spiral layers 1.1/4" and above
TEMPERATURE RANGE	-40°C +121°C

000000100 10SAP1010 101010000 100011111											
	INCH	MM	WIRE OD MM	COVER OD	BAR	PSI	BAR	MM	KG/M		
2020048203	3/4	19,0	29,2	32,0	350	5075	1400	240	1,65		
2020000298	1	25,4	35,9	39,2	350	5075	1400	300	2,25		
2020000314	1.1/4	31,8	46,8	49,8	350	5075	1400	420	3,60		
2020000324	1.1/2	38,1	54,0	57,3	350	5075	1400	500	4,75		
2020000333	2	50,8	68,4	71,9	350	5075	1400	630	6,90		

For information on
**INTERLOCK HOSE
COUPLING
FERRULES**
see Section 8
Page 273-274



DIN EN 856 SAE 100 R15



APPLICATION	Extremely high pressure hydraulic hose. Suitable for conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air. All STAUFF Flex Spiral hose is fully branded Flame Resistant US MSHA approval N0.IC-188
CONSTRUCTION	Tube - oil resistant synthetic rubber Cover - abrasion, ozone and weather resistant synthetic rubber
REINFORCEMENT	4 High tensile steel wire spiral layers up to 1" 6 steel wire spiral layers 1.1/4" and above
TEMPERATURE RANGE	-40°C +121°C

	INCH		MM		WIRE OD MM		COVER OD		BAR		PSI		BAR		MM		KG/M
	INCH	MM	WIRE OD MM	COVER OD	BAR	PSI	BAR	MM	KG/M								
000000100 10SAP1010 101010000 100011111	3/4	19,0	32,9	36,1	420	6090	1680	265	1,50								
2020000279	1	25,4	38,9	42,9	420	6090	1680	330	2,10								
2020000299	1.1/4	31,8	48,4	51,5	420	6090	1680	445	3,60								
2020000315	1.1/2	38,1	56,3	59,6	420	6090	1680	533	5,10								

FLEXLINE 4000

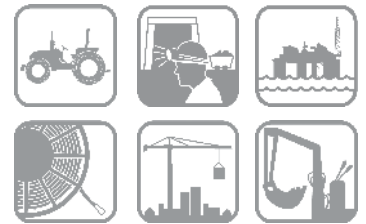
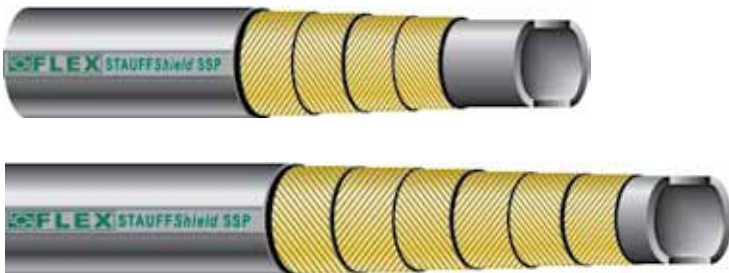


APPLICATION	Constant 280 bar working pressure hose across all sizes. Suitable for petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air.
CONSTRUCTION	Tube - oil resistant synthetic rubber Cover - abrasion, ozone and weather resistant synthetic rubber
REINFORCEMENT	4 High tensile steel wire spiral layers
TEMPERATURE RANGE	-40°C +121°C

000000100 10SAP1010 101010000 100011111												
	INCH	MM	WIRE OD MM	COVER OD	BAR	PSI	BAR	MM	KG/M			
2020065330	3/8	9,5	17,2	20,3	280	4060	1120	65	0,70			
2020065331	1/2	12,7	20,7	23,8	280	4060	1120	90	0,84			
2020065332	5/8	15,9	24,6	27,4	280	4060	1120	100	1,10			
2020046974	3/4	19,0	27,7	30,7	280	4060	1120	120	1,33			
2020047054	1	25,4	34,9	38,0	280	4060	1120	155	1,85			

STAUFF SHIELD SSP

High Abrasion Resistant



APPLICATION

High abrasion resistant hose increases service life in harsh environments and in heavy duty applications. Suitable for high pressure lines conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air. Eliminates the need for spring guards, nylon sleeving and any other hose protection.

CONSTRUCTION

Tube - oil resistant synthetic rubber

Cover - abrasion, ozone and weather resistant synthetic rubber

REINFORCEMENT

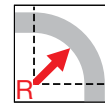
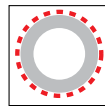
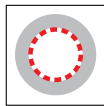
4 High tensile steel wire spiral layers up to 1"

6 steel wire spiral layers 1.1/4" and above

TEMPERATURE RANGE

-40°C +100°C (Peak Temp 120°)

000000100
10SAP1010
101010000
100011111



	INCH		MM		BAR		PSI		BAR		MM		KG/M
	WIRE OD	COVER OD	WIRE OD	COVER OD	BAR	PSI	BAR	PSI	BAR	MM	KG/M		
2020065333	3/8	9,5	17,5	21,4	445	6452	1780	180	0,78				
2020065334	1/2	12,7	20,2	24,6	425	6162	1700	230	0,93				
2020065335	5/8	15,9	23,8	28,2	350	5075	1400	250	1,17				
2020065336	3/4	19,0	28,2	32,2	350	5075	1400	300	1,48				
2020065337	1	25,4	35,3	39,7	280	4060	1120	340	2,02				

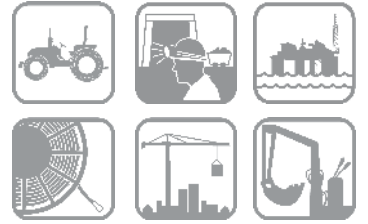
**For further technical details on
HIGH ABRASION
RESISTANT HOSES
see page xxvi**

*For information on
HOSE COUPLING
FERRULES
see Section 6
Pages 135-146*



STAUFF SHIELD SSH

High Abrasion Resistant



APPLICATION

High abrasion resistant hose increases service life in harsh environments and in heavy duty applications. Suitable for high pressure lines conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air. Eliminates the need for spring guards, nylon sleeving and any other hose protection.

CONSTRUCTION

Tube - oil resistant synthetic rubber
Cover - abrasion, ozone and weather resistant synthetic rubber

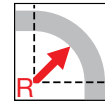
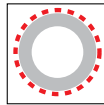
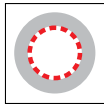
REINFORCEMENT

4 High tensile steel wire spiral layers

TEMPERATURE RANGE

-40°C +121°C

00000100
10SAP1010
101010000
100011111



			WIRE							
	INCH	MM	OD MM	COVER OD	BAR	PSI	BAR	MM	KG/M	
2020065338	3/4	19,0	28,4	32,2	420	6090	1680	280	1,53	
2020065339	1	25,4	35,2	38,7	380	5510	1520	340	2,06	
2020065340	1.1/4	31,8	41,9	45,5	345	5002	1380	460	2,46	
2020065341	1.1/2	38,1	48,8	53,5	290	4205	1160	560	3,35	
2020065342	2	50,8	63,2	68,1	250	3625	1000	700	4,55	

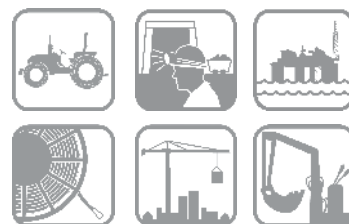
**For further technical details on
HIGH ABRASION
RESISTANT HOSES
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*For information on
HOSE COUPLING
FERRULES
see Section 6
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STAUFF SHIELD 1SSK

High Abrasion Resistant



APPLICATION

High abrasion resistant hose increases service life in harsh environments and in heavy duty applications. Suitable for high pressure lines conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air. Eliminates the need for spring guards, nylon sleeving and any other hose protection.

CONSTRUCTION

Tube - oil resistant synthetic rubber

Cover - double layer construction - rubber cover with UHMW

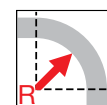
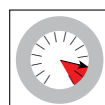
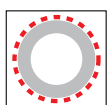
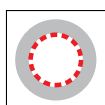
REINFORCEMENT

1 High tensile steel braid

TEMPERATURE RANGE

-40°C +100°C, peak temp 120°C

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10SAP1010
101010000
100011111

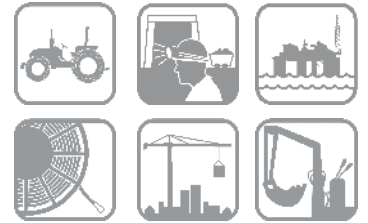


			WIRE		COVER						
	INCH	MM	OD	MM	OD	MM	BAR	PSI	BAR	MM	KG/M
2020048261	1/4	6,4	10,0		11,8		290	4205	1160	40	0,18
2020065343	5/16	7,9	11,6		13,6		250	3625	1000	55	0,22
2020048264	3/8	9,5	13,7		16,5		230	3335	920	65	0,29
2020051689	1/2	12,7	16,9		19,0		200	2900	800	80	0,35
2020065344	5/8	15,9	20,5		22,3		150	2175	600	105	0,43
2020048266	3/4	19,0	24,0		26,2		125	1815	500	120	0,57
2020048267	1	25,4	31,3		34,0		110	1595	440	160	0,82

**For further technical details on
HIGH ABRASION
RESISTANT HOSES
see page xxvi**

STAUFF SHIELD 2SSK

High Abrasion Resistant



APPLICATION

High abrasion resistant hose increases service life in harsh environments and in heavy duty applications. Suitable for high pressure lines conveying petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air. Eliminates the need for spring guards, nylon sleeving and any other hose protection.

CONSTRUCTION

Tube - oil resistant synthetic rubber

Cover - double layer construction - rubber cover with UHMW

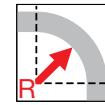
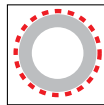
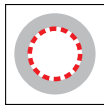
REINFORCEMENT

2 High tensile steel braid

TEMPERATURE RANGE

-40°C +100°C, peak temp 120°C

000000100
10SAP1010
101010000
100011111



			WIRE		COVER					
	INCH	MM	OD MM	OD	BAR	PSI	BAR	MM	KG/M	
2020048262	1/4	6,4	11,1	13,4	450	6530	1800	45	0,29	
2020065345	5/16	7,9	12,7	15,0	420	6095	1680	60	0,34	
2020048263	3/8	9,5	15,1	17,4	385	5515	1540	70	0,44	
2020048265	1/2	12,7	18,3	20,6	345	4715	1380	90	0,54	
2020049437	5/8	15,9	21,4	23,7	290	4205	1160	130	0,63	
2020053157	3/4	19,0	25,4	27,7	280	3625	1120	160	0,84	
2020065346	1	25,4	33,3	35,6	200	2755	800	210	1,14	

For further technical details on
**HIGH ABRASION
RESISTANT HOSES**
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For information on
**HOSE COUPLING
FERRULES**
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To view on-line

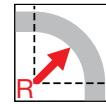
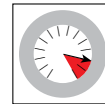
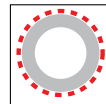
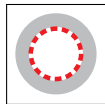


STAUFFJET 1SN BLACK



APPLICATION	High pressure hose suitable for water jetting cleaning equipment, hot and cold water systems with detergent fluids.
CONSTRUCTION	Wrapped cover as standard High abrasion resistant covers also available
REINFORCEMENT	1 High tensile steel braid
TEMPERATURE RANGE	-40°C to +150°C

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10SAP1010
101010000
100011111

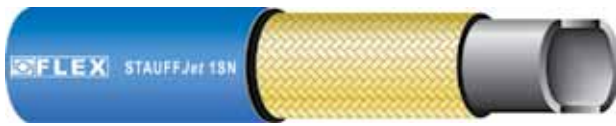


			WIRE							
	INCH	MM	OD MM	COVER OD	BAR	PSI	BAR	MM	KG/M	
2020000159	1/4	6,4	11,1	13,4	250	3625	1000	100	0,21	
2020000175	5/16	7,9	12,7	15,0	220	3190	880	115	0,24	
2020000195	3/8	9,5	15,1	17,4	220	3190	880	125	0,33	
2020065400	1/2	12,7	18,3	20,6	220	3190	880	180	0,41	

For information on
**HOSE COUPLING
FERRULES**
see Section 6
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STAUFFJET 1SN BLUE



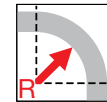
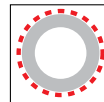
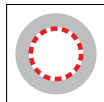
APPLICATION High pressure hose. Suitable water jetting cleaning equipment hot and cold water systems with detergent fluids. Hose has a blue outer cover suitable for use in food factories and areas that require a none marking cover.

CONSTRUCTION Wrapped cover as standard
High abrasion resistant covers also available

REINFORCEMENT 1 High tensile steel braid

TEMPERATURE RANGE -40°C to +150°C

000000100
10SAP1010
101010000
100011111



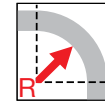
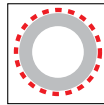
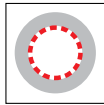
			WIRE							
	INCH	MM	OD MM	COVER OD	BAR	PSI	BAR	MM	KG/M	
2020065401	1/4	6,4	11,1	13,4	250	3625	1000	100	0,21	
2020065402	5/16	7,9	12,7	15,0	220	3190	880	115	0,24	
2020000198	3/8	9,5	15,1	17,4	220	3190	880	125	0,33	
2020000237	1/2	12,7	18,3	20,6	220	3190	880	180	0,41	

STAUFFJET 2SN BLACK



APPLICATION	High pressure hose suitable for water jetting cleaning equipment, hot and cold water systems with detergent fluids.
CONSTRUCTION	Wrapped cover as standard High abrasion resistant covers also available
REINFORCEMENT	2 High tensile steel braids
TEMPERATURE RANGE	-40°C to +150°C

000000100
10SAP1010
101010000
100011111



			WIRE	COVER						
	INCH	MM	OD MM	OD	BAR	PSI	BAR	MM	KG/M	
2020000165	1/4	6,4	12,7	15,0	400	5800	1600	100	0,33	
2020000178	5/16	7,9	14,3	16,6	350	5075	1400	115	0,39	
2020000217	3/8	9,5	16,7	19,0	330	4785	1320	125	0,50	
2020000249	1/2	12,7	19,8	22,2	275	3987	860	180	0,59	

STAUFFJET 2SN BLUE



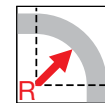
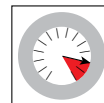
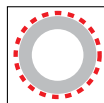
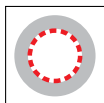
APPLICATION High pressure hose. Suitable water jetting cleaning equipment hot and cold water systems with detergent fluids. Hose has a blue outer cover suitable for use in food factories and areas that require a none marking cover.

CONSTRUCTION Wrapped cover as standard
High abrasion resistant covers also available

REINFORCEMENT 2 High tensile steel braids

TEMPERATURE RANGE -40°C to +150°C

000000100
10SAP1010
101010000
100011111



			WIRE							
	INCH	MM	OD MM	COVER OD	BAR	PSI	BAR	MM	KG/M	
2020048531	1/4	6,4	12,7	15,0	400	5800	1600	100	0,33	
2020065403	5/16	7,9	14,3	16,6	350	5075	1400	115	0,39	
2020000218	3/8	9,5	16,7	19,0	330	4785	1320	125	0,50	
2020000250	1/2	12,7	19,8	22,2	275	3987	860	180	0,59	

For information on
**HOSE COUPLING
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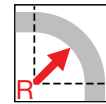
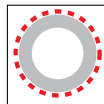
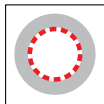


STAUFFJET 1SC



APPLICATION	High pressure hose suitable for water jetting cleaning equipment, hot and cold water systems with detergent fluids.
CONSTRUCTION	Wrapped cover as standard (black and blue) High abrasion resistant covers also available
REINFORCEMENT	1 High tensile steel braid
TEMPERATURE RANGE	-40°C to +150°C

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10SAP1010
101010000
100011111



			WIRE							
	INCH	MM	OD MM	COVER OD	BAR	PSI	BAR	MM	KG/M	
2020065404	1/4	6,4	11,1	13,4	225	3625	900	75	0,18	
2020065405	5/16	7,9	12,7	15,0	215	3117	860	85	0,21	
2020065406	3/8	9,5	15,1	17,4	180	2610	720	90	0,28	
2020065407	1/2	12,7	18,3	20,6	160	2320	640	130	0,33	

For information on
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STAUFFJET Longlife



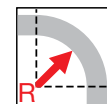
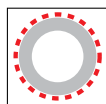
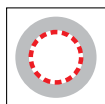
APPLICATION Extremely high pressure hose suitable for water jetting blasting and cleaning equipment, hot and cold water systems with detergent fluids.

CONSTRUCTION Wrapped cover as standard (black and blue)
High abrasion resistant covers also available

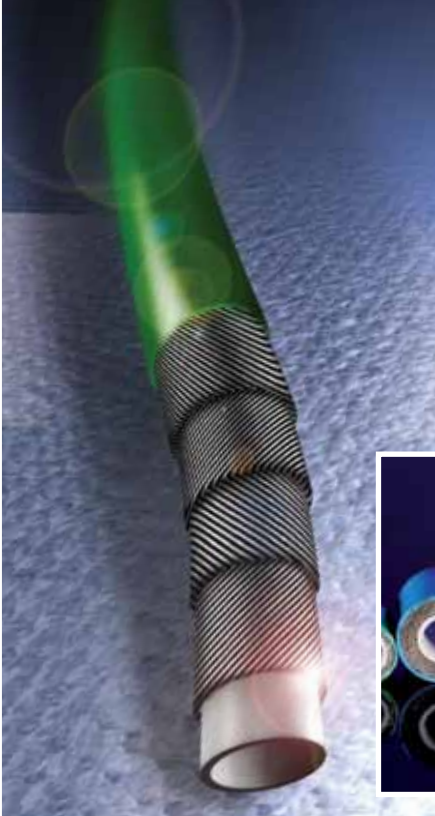
REINFORCEMENT 2 High tensile steel braids

TEMPERATURE RANGE -40°C to +150°C

00000100
10SAP1010
101010000
100011111



			WIRE		COVER						
	INCH	MM	OD	MM	OD	MM	BAR	PSI	BAR	MM	KG/M
2020065408	1/4	6,4	12,7		15,0		500	7250	2000	100	0,30
2020065409	5/16	7,9	14,3		16,6		500	7250	2000	115	0,36
2020065410	3/8	9,5	16,7		19,0		500	7250	2000	125	0,49
2020065411	1/2	12,7	19,8		22,2		500	7250	2000	180	0,56



Ultra High Pressure Hose

Manufactured to stringent standards ...



... offering excellent performance properties ...

- Extremely high working pressures
- Excellent chemical resistance to almost all chemicals, detergents and solvents
- Up to 50% saving of weight on comparable rubber hose
- Resistant to ozone, ultraviolet light and ageing
- Outer cover resistant to hydrolysis and microbes
- High abrasion resistant outer cover
- Small bend radius at high volumes of flow
- Low volumetric expansion at maximum working pressure
- Low permeation rate (M and PPA series)
- High temperature stability (HT and F series up to 200°C/392°F)
- Kink resistant
- Minimal pressure drop
- Resistant to sea water
- High impulse resistance and long service life

... for the most demanding applications

Water blasting



Developed especially for concrete removal, sewer cleaning, water jet cutting, pipe cleaning, heat exchanger tube cleaning, and surface preparation as well as the removal of a multitude of deposits.

Oil & Gas



Used from the North Sea to the Gulf of Mexico: offshore hose bundles, Methanol service on platforms, chemical injections at the well hole and hydraulic component control.

High Pressure Hydraulics



Engineered to withstand working pressures up to 3200 bar while retaining superior flexibility: Autofrettage, hydroforming, hydraulic assembly presses, dismantling of roller bearings, rescue tools and bolt tensioning.

Automotive Production



Series-F hoses are the perfect solution for transferring bulk adhesives in plants for glue application. The inner cores of these hoses are made of PTFE and are able to withstand **temperatures up to 200°C (392°F)** with **working pressures of up to 500 bar (7251 psi)**

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VHP EXTRA	97
VHP NON CONDUCTIVE	96



Stauff Flex thermoplastic hose is compatible with many eco-fluids and biodegradable fluids, including many new ecological hydraulic oils, as used more often in the industry. Although these fluids are positive for the environment thanks to their ecological properties, at the same time they can be extremely aggressive on hoses, especially on traditional rubber hoses.

It is everybody's responsibility to respect our environment. In this way it is important to consider that Stauff Flex thermoplastic hoses, after their service life, can be recycled as raw material for non engineered products. A responsible choice for our future.



To view on-line



PILOT FL

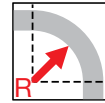
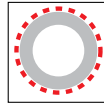
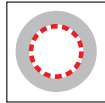


APPLICATIONS	Servo control – Pilot lines – General low pressure hydraulics
INNER TUBE	Polyester elastomer
REINFORCEMENT	One braid of synthetic fibre
COVER	Anti-grip polyurethane, black, pinpricked, white ink-jet branding
FEATURES	Lightweight – Compact design – High flexibility – Low grip cover – Low volumetric expansion
DESCRIPTION	Low pressure service hose suitable for hydraulic applications where there is a requirement for increased resistance to abrasion and limited grip cover at the same time. For use with petroleum, synthetic or water based hydraulic fluids in hydraulic systems. Suitable for hydraulic and pneumatic pilot control lines.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

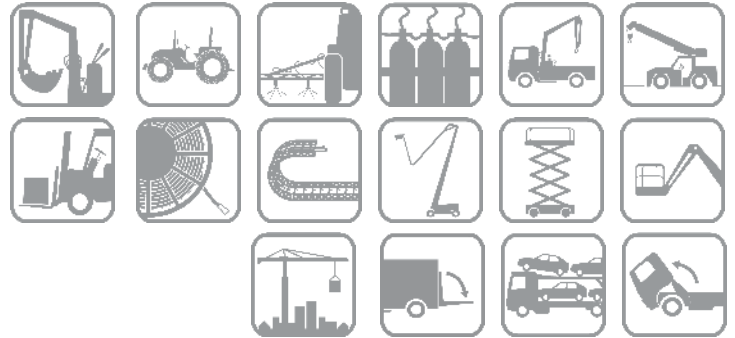
STAUFF FLEX - TO HYDRAULIC - <PART No> - PILOT FL - <INCH SIZE> - <DN SIZE> - WP <WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

00000100
10SAP1010
101010000
100011111



	CODE	DASH	INCH	DN	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT
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2020065419	0921	-3	3/16	DN5	5,00	0.197	8,50	0.335	150	2100	600	8400	25	0.98	45	0.030
2020065420	0922	-4	1/4	DN6	6,50	0.256	10,60	0.417	140	2000	560	8000	40	1.57	65	0.044
2020065421	0923	-5	5/16	DN8	8,10	0.319	12,50	0.492	120	1700	480	6800	45	1.77	85	0.057
2020065422	0924	-6	3/8	DN10	9,70	0.382	14,40	0.567	110	1500	440	6000	50	1.97	105	0.071
2020065423	0925	-8	1/2	DN12	13,00	0.512	19,10	0.752	100	1400	400	5600	70	2.76	175	0.118

R7 ANTIABRASION



APPLICATIONS	Construction and agricultural equipment – Agricultural brake systems – Forklift Trucks – Articulating and telescopic booms – Aerial platforms – Scissor lifts – Cranes – General hydraulics – Industrial gases
INNER TUBE	Polyester elastomer
REINFORCEMENT	One or two braids of synthetic fibre
COVER	Polyurethane, black, pinpricked, white ink-jet branding
FEATURES	Lighter, more flexible and more compact than traditional R1 hoses – Bonded construction – Abrasion resistant – Limited change in length – Pinpricked cover
DESCRIPTION	Meets or exceeds SAE 100R7 – Medium pressure hose suitable for hydraulic applications with increased resistance to abrasion. For use with petroleum, synthetic or water based hydraulic fluids in hydraulic systems. Suitable for general fluid power transmissions like earthmoving, agricultural machinery and forklifts trucks. Also suitable for many industrial gases (check for compatibility).
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO HYDRAULIC - <PART No> - R7 ANTIABRASION - <NORMATIVE><DASH SIZE> - <INCH SIZE> - <DN SIZE> - WP <WP bar>
bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

	CODE	DASH	INCH	DN		MM		INCH		BAR		PSI		R		G/M		LBS/FT	
				MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	G/M	LBS/FT				
00000100 10SAP1010 101010000 100011111																			
2020065424	0660	-2	1/8	DN4	4,00	0,157	8,30	0,327	210	3000	840	12000	25	0,98	50	0,034			
2020065425	0661	-3	3/16	DN5	5,00	0,197	9,60	0,378	210	3000	840	12000	25	0,98	60	0,040			
2020065426	0662	-4	1/4	DN6	6,50	0,256	12,20	0,480	210	3000	840	12000	35	1,38	100	0,067			
2020065427	0663	-5	5/16	DN8	8,10	0,319	14,30	0,563	190	2700	760	10800	45	1,77	130	0,087			
2020065428	0664	-6	3/8	DN10	9,70	0,382	16,00	0,630	160	2300	640	9200	55	2,17	150	0,101			
2020065429	0665	-8	1/2	DN12	13,00	0,512	20,30	0,799	140	2000	560	8000	75	2,95	220	0,148			
2020065430	0666	-10	5/8	DN16	16,30	0,642	23,70	0,933	105	1500	420	6000	110	4,33	280	0,188			
2020065431	0667	-12	3/4	DN20	19,50	0,768	27,10	1,067	90	1300	360	5200	140	5,51	335	0,225			
2020065432	0668	-16	1	DN25	25,90	1,020	34,00	1,339	70	1000	280	4000	190	7,48	455	0,306			

R7 NON CONDUCTIVE



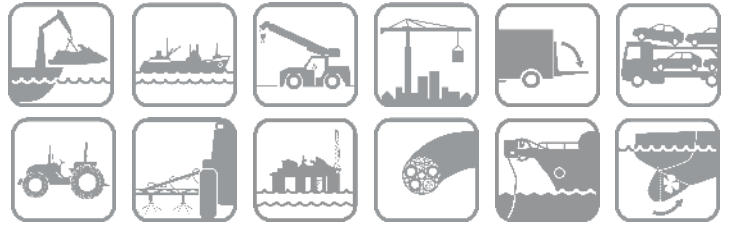
APPLICATIONS	High voltage equipment – Safety and rescue equipment – Aerial platforms – Cranes – Equipment requiring electrical high insulation
INNER TUBE	Polyester elastomer
REINFORCEMENT	One or two braids of synthetic fibre
COVER	Polyurethane, orange, non pinpricked, black ink-jet branding
FEATURES	Lightweight – Flexible – Compact – Orange cover – Non pinpricked – Bonded construction – Abrasion resistant
DESCRIPTION	Meets or exceeds SAE 100R7 – Medium pressure hose suitable for petroleum or synthetic based hydraulic fluids used in hydraulic applications requiring electrical high insulation or non-conductivity in high tension environment e.g. near electrical power lines.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for water based fluids

branding on this product:

STAUFF FLEX - TO HYDRAULIC - <PART No> - R7 NON CONDUCTIVE - <NORMATIVE><DASH SIZE> - <INCH SIZE> - <DN SIZE> - WP
<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

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								2020065433	0951	-3	3/16	DN5	5,00	0,197	9,60	0,378	210	3000	840	12000	25	0,98	60
2020065434	0952	-4	1/4	DN6	6,50	0,256	12,20	0,480	210	3000	840	12000	35	1,38	100	0,067							
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2020065437	0955	-8	1/2	DN12	13,00	0,512	20,30	0,799	140	2000	560	8000	75	2,95	220	0,148							
2020065438	0956	-10	5/8	DN16	16,30	0,642	23,70	0,933	105	1500	420	6000	110	4,33	280	0,188							
2020065439	0957	-12	3/4	DN20	19,50	0,768	27,10	1,067	90	1300	360	5200	140	5,51	335	0,225							
2020065440	0958	-16	1	DN25	25,90	1,020	34,00	1,339	70	1000	280	4000	190	7,48	455	0,306							

R7 MARINER



APPLICATIONS	Marine and off-shore equipment – Boats – Cranes – Marine transport systems
INNER TUBE	Polyester elastomer
REINFORCEMENT	One or two braids of synthetic fibre
COVER	Polyurethane, black, pinpricked, white ink-jet branding
FEATURES	Lightweight – Flexible – Compact – Bonded construction – Abrasion resistant – Pinpricked cover
DESCRIPTION	Meets or exceeds SAE 100R7 – Medium pressure hose suitable for petroleum, synthetic or water based hydraulic fluids used in applications requiring increased resistance to seawater and saline environment. Is also recommended for general on-shore equipment working in high humidity environment.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO HYDRAULIC - <PART No> - R7 MARINER - <NORMATIVE><DASH SIZE> - <INCH SIZE> - <DN SIZE> - WP

<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

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2020065443	0522	-4	1/4	DN6	6,50	0,256	12,20	0,480	210	3000	840	12000	35	1,38	95	0,064	
2020065444	0523	-5	5/16	DN8	8,10	0,319	14,30	0,563	190	2700	760	10800	45	1,77	130	0,087	
2020065445	0524	-6	3/8	DN10	9,70	0,382	16,00	0,630	160	2300	640	9200	55	2,17	145	0,097	
2020065446	0525	-8	1/2	DN12	13,00	0,512	20,30	0,799	140	2000	560	8000	75	2,95	220	0,148	
2020065447	0526	-10	5/8	DN16	16,30	0,642	23,70	0,933	105	1500	420	6000	110	4,33	275	0,185	
2020065448	0527	-12	3/4	DN20	19,50	0,768	27,10	1,067	90	1300	360	5200	140	5,51	335	0,225	
2020065449	0528	-16	1	DN25	25,90	1,020	34,00	1,339	70	1000	280	4000	190	7,48	450	0,302	

R7 YACHTING



APPLICATIONS	Marine and off-shore equipment – General hydraulic, steering and movement systems on pleasure boats and yachts – Hydraulic gangways
INNER TUBE	Polyester elastomer
REINFORCEMENT	One or two braids of synthetic fibre
COVER	Polyurethane, white, pinpricked, black ink-jet branding
FEATURES	Lightweight – Flexible – Compact – Bonded construction – Abrasion resistant – White pinpricked cover
DESCRIPTION	Meets or exceeds SAE 100R7 – Medium pressure hose suitable for petroleum, synthetic or water based hydraulic fluids used in applications requiring increased resistance to seawater and saline environment. The white cover with UV protection makes it the ideal choice for pleasure boats and yachting equipment.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

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							2020065453	0531	-3	3/16	DN5	5,00	0,197	9,60	0,378	210	3000	840	12000	25	0,98	60
2020065454	0532	-4	1/4	DN6	6,50	0,256	12,20	0,480	210	3000	840	12000	35	1,38	95	0,064						
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2020065456	0534	-6	3/8	DN10	9,70	0,382	16,00	0,630	160	2300	640	9200	55	2,17	145	0,097						
2020065457	0535	-8	1/2	DN12	13,00	0,512	20,30	0,799	140	2000	560	8000	75	2,95	220	0,148						

R7 EXTRA TOUGH



APPLICATIONS	Heavy duty construction and agricultural equipment – Cranes General hydraulics – Industrial gases
INNER TUBE	Polyester elastomer
REINFORCEMENT	One or two braids of synthetic fibre
COVER	Polyurethane, black, pinpricked, white ink-jet branding
FEATURES	Extremely wear and abrasion resistant – High flexibility – Increased cover thickness – Bonded construction – Limited change in length – Pinpricked cover
DESCRIPTION	Meets or exceeds SAE 100R7 – Medium pressure hose suitable for hydraulic applications requiring extreme wear and abrasion resistance. For use with petroleum, synthetic or water based hydraulic fluids in hydraulic systems. Suitable for general fluid power transmissions like earthmoving, agricultural machinery and all applications where a hose must be protected against possible external damage. Also suitable for many industrial gases (check for compatibility)
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO HYDRAULIC - <PART No> - R7 EXTRA TOUGH - <NORMATIVE><DASH SIZE> - <INCH SIZE> - <DN SIZE> - WP
<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

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							0971	0972	0974	0975	-3	-4	-6	-8	3/16	1/4	3/8	1/2	DN5	DN6	DN10	DN12	5,00	6,50	9,70	13,00	0,197	0,256	0,382	0,512	10,40	12,90	16,60	21,40	0,409	0,508	0,654	0,843	210	3000	840	12000	25	35	55	75	0,98	1,38	2,17	2,95	80
2020065458	0971	-3	3/16	DN5	5,00	0,197	10,40	0,409	210	3000	840	12000	25	0,98	80	0,054																																			
2020065459	0972	-4	1/4	DN6	6,50	0,256	12,90	0,508	210	3000	840	12000	35	1,38	115	0,077																																			
2020065460	0974	-6	3/8	DN10	9,70	0,382	16,60	0,654	160	2300	640	9200	55	2,17	170	0,114																																			
2020065461	0975	-8	1/2	DN12	13,00	0,512	21,40	0,843	140	2000	560	8000	75	2,95	265	0,178																																			

A92.2 ANTIABRASION



APPLICATIONS	Mobile equipment – Articulating and telescopic booms – Aerial platforms – Scissor lifts – Cranes – General hydraulics INNER TUBE Polyester elastomer
REINFORCEMENT	One or two braids of synthetic fibre
COVER	Polyurethane, black, pinpricked, white ink-jet branding
FEATURES	Lighter, more flexible and more compact than traditional R1 hoses – Bonded construction – Abrasion resistant – Limited change in length – Pinpricked cover
DESCRIPTION	Complies with ANSI A92.2 for vehicle-mounted aerial devices – Medium pressure hose suitable for hydraulic applications with increased resistance to abrasion. For use with petroleum, synthetic or water based hydraulic fluids in hydraulic systems. Suitable for general fluid power transmissions such as mobile equipment.
SAFETY FACTOR	4:1v
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

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<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

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								BAR	PSI	MM	INCH	G/M	LBS/FT						
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2020065475	1661	-3	3/16	DN5	5,00	0,197	9,60	0,378	210	3000	840	12000	25	0,98	60	0,040			
2020065476	1662	-4	1/4	DN6	6,50	0,256	12,20	0,480	210	3000	840	12000	35	1,38	100	0,067			
2020065477	1663	-5	5/16	DN8	8,10	0,319	14,30	0,563	210	3000	760	10800	45	1,77	130	0,087			
2020065478	1664	-6	3/8	DN10	9,70	0,382	16,00	0,630	210	3000	640	9200	55	2,17	150	0,101			
2020065480	1665	-8	1/2	DN12	13,00	0,512	20,30	0,799	180	2600	560	8000	75	2,95	220	0,148			
2020065481	1666	-10	5/8	DN16	16,30	0,642	23,70	0,933	140	2000	420	6000	110	4,33	280	0,188			
2020065482	1667	-12	3/4	DN20	19,50	0,768	27,10	1,067	120	1700	360	5200	140	5,51	335	0,225			
2020065483	1668	-16	1	DN25	25,90	1,020	34,00	1,339	90	1300	280	4000	190	7,48	455	0,306			

A92.2 NON CONDUCTIVE



APPLICATIONS	High voltage equipment – Aerial platforms – Cranes – Equipment requiring electrical high insulation
INNER TUBE	Polyester elastomer
REINFORCEMENT	One or two braids of synthetic fibre
COVER	Polyurethane, orange, non pinpricked, black ink-jet branding
FEATURES	Lightweight – Flexible – Compact – Orange cover – Non pinpricked – Bonded construction – Abrasion resistant
DESCRIPTION	Complies with ANSI A92.2 for vehicle-mounted aerial devices – Medium pressure hose suitable for petroleum or synthetic based hydraulic fluids used in hydraulic applications requiring electrical high insulation or non-conductivity in high tension environment e.g. near electrical power lines.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for water based fluids

branding on this product:

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<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

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				MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	G/M	LBS/FT				
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2020065485	1952	-4	1/4	DN6	6,50	0,256	12,20	0,480	210	3000	840	12000	35	1,38	100	0,067			
2020065486	1953	-5	5/16	DN8	8,10	0,319	14,30	0,563	210	3000	760	10800	45	1,77	130	0,087			
2020065487	1954	-6	3/8	DN10	9,70	0,382	16,00	0,630	210	3000	640	9200	55	2,17	150	0,101			
2020065488	1955	-8	1/2	DN12	13,00	0,512	20,30	0,799	180	2600	560	8000	75	2,95	220	0,148			
2020065489	1956	-10	5/8	DN16	16,30	0,642	23,70	0,933	140	2000	420	6000	110	4,33	280	0,188			
2020065490	1957	-12	3/4	DN20	19,50	0,768	27,10	1,067	120	1700	360	5200	140	5,51	335	0,225			
2020065491	1958	-16	1	DN25	25,90	1,020	34,00	1,339	90	1300	280	4000	190	7,48	455	0,306			

R8 ANTIABRASION



APPLICATIONS	Construction and agricultural equipment – Forklift trucks – Articulating and telescopic booms – Aerial platforms – Safety and rescue equipment – Scissor lifts – Cranes – General hydraulics – Industrial gases
INNER TUBE	Polyester elastomer
REINFORCEMENT	One or two braids of aramid fibre
COVER	Polyurethane, black, pinpricked, white ink-jet branding
FEATURES	Aramid reinforcement for high pressure performance– Compact and lightweight – Bonded construction – Abrasion resistant – Extremely low change in length – Pinpricked cover
DESCRIPTION	Meets or exceeds SAE 100R8 – Compact high pressure hose suitable for hydraulic applications with increased resistance to abrasion and very low expansion. For use with petroleum, synthetic or water based hydraulic fluids in hydraulic systems. Suitable for general fluid power transmissions like earthmoving, agricultural machinery, forklifts trucks and other high pressure equipment. Also suitable for many industrial gases (check for compatibility)
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO HYDRAULIC - <PART No> - R8 ANTIABRASION - <NORMATIVE><DASH SIZE> - <INCH SIZE> - <DN SIZE> - WP
<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

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								MM	INCH	MM	INCH	MM	INCH	G/M	LBS/FT				
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2020065493	0751	-3	3/16	DN5	5,00	0,197	8,90	0,350	350	5000	1400	20000	30	1,18	55	0,037			
2020065494	0752	-4	1/4	DN6	6,50	0,256	11,50	0,453	350	5000	1400	20000	50	1,97	85	0,057			
2020065495	0753	-5	5/16	DN8	8,10	0,319	13,40	0,528	300	4300	1200	17200	55	2,17	105	0,071			
2020065496	0754	-6	3/8	DN10	9,70	0,382	15,50	0,610	280	4000	1120	16000	60	2,36	135	0,091			
2020065497	0755	-8	1/2	DN12	13,00	0,512	19,90	0,783	245	3500	980	14000	80	3,15	200	0,134			
2020065498	0756	-10	5/8	DN16	16,30	0,642	23,40	0,921	200	2900	800	11600	125	4,92	250	0,168			
2020065499	0757	-12	3/4	DN20	19,50	0,768	26,90	1,059	165	2300	660	9200	150	5,91	320	0,215			
2020065500	0758	-16	1	DN25	25,90	1,020	34,20	1,346	140	2000	560	8000	200	7,87	435	0,292			

R8 NON CONDUCTIVE



APPLICATIONS	High voltage equipment – Safety and rescue equipment – Aerial platforms – Cranes – Equipment requiring electrical high insulation
INNER TUBE	Polyester elastomer
REINFORCEMENT	One or two braids of aramid fibre
COVER	Polyurethane, orange, non pinpricked, black ink-jet branding
FEATURES	Aramid reinforcement for high pressure performance – Lightweight – Flexible – Compact – Bonded construction – Orange cover – Non pinpricked – Abrasion resistant
DESCRIPTION	Meets or exceeds SAE 100R8 – High pressure hose suitable for petroleum or synthetic based hydraulic fluids used in hydraulic applications requiring electrical high insulation or non-conductivity in high tension environment e.g. near electrical power lines.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for water based fluids

branding on this product:

STAUFF FLEX - TO HYDRAULIC - <PART No> - R8 NON CONDUCTIVE - <NORMATIVE><DASH SIZE> - <INCH SIZE> - <DN SIZE> - WP

<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

	CODE	DASH	INCH	DN	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	BENDING RADIUS		G/M	LBS/FT
													MM	INCH		
2020065501	1261	-3	3/16	DN5	5,00	0,197	8,90	0,350	350	5000	1400	20000	30	1,18	55	0,037
2020065502	1262	-4	1/4	DN6	6,50	0,256	11,50	0,453	350	5000	1400	20000	50	1,97	85	0,057
2020065503	1263	-5	5/16	DN8	8,10	0,319	13,40	0,528	300	4300	1200	17200	55	2,17	105	0,071
2020065504	1264	-6	3/8	DN10	9,70	0,382	15,50	0,610	280	4000	1120	16000	60	2,36	135	0,091
2020065505	1265	-8	1/2	DN12	13,00	0,512	19,90	0,783	245	3500	980	14000	80	3,15	200	0,134
2020065506	1266	-10	5/8	DN16	16,30	0,642	23,40	0,921	200	2900	800	11600	125	4,92	250	0,168
2020065507	1267	-12	3/4	DN20	19,50	0,768	26,90	1,059	165	2300	660	9200	150	5,91	320	0,215
2020065508	1268	-16	1	DN25	25,90	1,020	34,20	1,346	140	2000	560	8000	200	7,87	435	0,292

R8 MARINER



APPLICATIONS	Marine and off-shore equipment – Boats – Cranes – Marine transport systems
INNER TUBE	Polyester elastomer
REINFORCEMENT	One or two braids of aramid fibre
COVER	Polyurethane, black, pinpricked, white ink-jet branding
FEATURES	Aramid reinforcement for high pressure performance – Lightweight – Flexible – Compact – Bonded construction – Abrasion resistant – Pinpricked cover
DESCRIPTION	Meets or exceeds SAE 100R8 – High pressure hose suitable for petroleum, synthetic or water based hydraulic fluids used in applications requiring increased resistance to seawater and saline environment. Is also recommended for general on-shore equipment working in high humidity environment.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO HYDRAULIC - <PART No> - R8 MARINER - <NORMATIVE><DASH SIZE> - <INCH SIZE> - <DN SIZE> - WP

<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

	CODE	DASH	INCH	DN		MM		INCH		BAR		PSI		R		G/M		LBS/FT	
				MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT				
000000100 10SAP1010 101010000 100011111																			
2020065509	0540	-2	1/8	DN4	4,00	0,157	8,00	0,315	420	6000	1680	24000	25	0,98	45	0,030			
2020065510	0541	-3	3/16	DN5	5,00	0,197	8,90	0,350	350	5000	1400	20000	30	1,18	55	0,037			
2020065511	0542	-4	1/4	DN6	6,50	0,256	11,50	0,453	350	5000	1400	20000	50	1,97	85	0,057			
2020065512	0543	-5	5/16	DN8	8,10	0,319	13,40	0,528	300	4300	1200	17200	55	2,17	105	0,071			
2020065513	0544	-6	3/8	DN10	9,70	0,382	15,50	0,610	280	4000	1120	16000	60	2,36	135	0,091			
2020065514	0545	-8	1/2	DN12	13,00	0,512	19,90	0,783	245	3500	980	14000	80	3,15	200	0,134			
2020065515	0546	-10	5/8	DN16	16,30	0,642	23,40	0,921	200	2900	800	11600	125	4,92	250	0,168			
2020065516	0547	-12	3/4	DN20	19,50	0,768	26,90	1,059	165	2300	660	9200	150	5,91	320	0,215			
2020065517	0548	-16	1	DN25	25,90	1,020	34,20	1,346	140	2000	560	8000	200	7,87	430	0,289			

R8 YACHTING



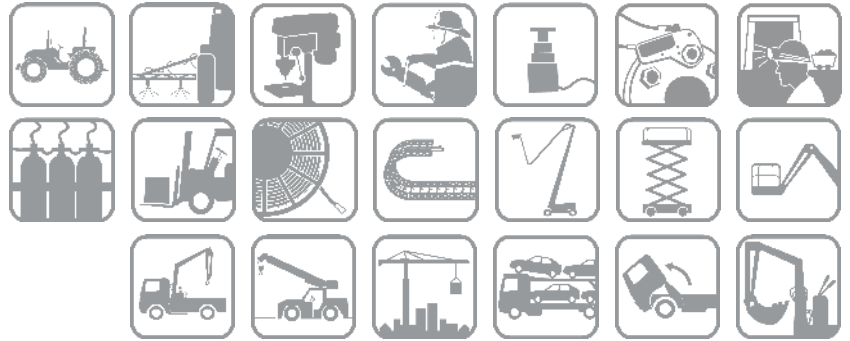
APPLICATIONS	Marine and off-shore equipment – General hydraulic, steering and movement systems on pleasure boats and yachts – Hydraulic gangways
INNER TUBE	Polyester elastomer
REINFORCEMENT	One braid of aramid fibre
COVER	Polyurethane, white, pinpricked, black ink-jet branding
FEATURES	Aramid reinforcement for high pressure performance Lightweight – Flexible – Compact – Bonded construction – Abrasion resistant – White pinpricked cover
DESCRIPTION	Meets or exceeds SAE 100R8 – High pressure hose suitable for petroleum, synthetic or water based hydraulic fluids used in applications requiring increased resistance to seawater and saline environment. The white cover with UV protection makes it the ideal choice for pleasure boats and yachting equipment.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO HYDRAULIC - <PART No> - R8 YACHTING - <NORMATIVE><DASH SIZE> - <INCH SIZE> - <DN SIZE> - WP
<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

	CODE	DASH	INCH	DN		MM		INCH		BAR		PSI		R		G/M		LBS/FT	
				MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	G/M	LBS/FT				
2020065518	0551	-3	3/16	DN5	5,00	0,197	8,90	0,350	350	5000	1400	20000	30	1,18	55	0,037			
2020065519	0552	-4	1/4	DN6	6,50	0,256	11,50	0,453	350	5000	1400	20000	50	1,97	85	0,057			
2020065520	0553	-5	5/16	DN8	8,10	0,319	13,40	0,528	300	4300	1200	17200	55	2,17	105	0,071			
2020065521	0554	-6	3/8	DN10	9,70	0,382	15,50	0,610	280	4000	1120	16000	60	2,36	135	0,091			
2020065522	0555	-8	1/2	DN12	13,00	0,512	19,90	0,783	245	3500	980	14000	80	3,15	200	0,134			

R8 EXTRA TOUGH



APPLICATIONS	Heavy duty construction and agricultural equipment – Rescue and safety equipment – High pressure systems and pumps – Bolt tensioning tools – Jacking and railing equipment – Industrial gases
INNER TUBE	Polyester elastomer
REINFORCEMENT	One braid of aramid fibre
COVER	Polyurethane, black, pinpricked, white ink-jet branding
FEATURES	Extremely wear and abrasion resistant – High flexibility – Increased cover thickness – Bonded construction – Limited change in length – Pinpricked cover
DESCRIPTION	Meets or exceeds SAE 100R8 – High pressure hose suitable for hydraulic applications requiring extreme wear and abrasion resistance. For use with petroleum, synthetic or water based hydraulic fluids in hydraulic systems. Suitable for general fluid power transmissions like earthmoving, agricultural machinery, rescue and bolt tensioning tools and all applications where a hose must be protected against possible external damage. Also suitable for many industrial gases (check for compatibility)
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO HYDRAULIC - <PART No> - R8 EXTRA TOUGH - <NORMATIVE><DASH SIZE> - <INCH SIZE> - <DN SIZE> - WP
<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

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	CODE	DASH	INCH	DN	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT
2020065523	0761	-3	3/16	DN5	5,00	0,197	9,60	0,378	350	5000	1400	20000	30	1,18	65	0,044
2020065524	0762	-4	1/4	DN6	6,50	0,256	12,10	0,476	350	5000	1400	20000	50	1,97	100	0,067
2020065525	0763	-5	5/16	DN8	8,10	0,319	14,00	0,551	300	4300	1200	17200	55	2,17	125	0,084
2020065526	0764	-6	3/8	DN10	9,70	0,382	16,20	0,638	280	4000	1120	16000	60	2,36	160	0,108
2020065527	0765	-8	1/2	DN12	13,00	0,512	20,90	0,823	245	3500	980	14000	80	3,15	245	0,165

1SB - STEEL BRAID ANTIABRASION



INNER TUBE	Polyester elastomer
REINFORCEMENT	One braid of steel wire
COVER	Polyurethane, black, pinpricked, white ink-jet branding
APPLICATIONS	General hydraulic applications requiring additional mechanical protection: construction and agricultural equipment, agricultural brake systems, hoisting and handling application, industrial machines, also suitable for industrial gas applications.
FEATURES	Slimline construction for compact installation and flexibility – Lightweight – Steel braid offers low volumetric expansion and optimum change in length characteristics – Abrasion resistant– Pinpricked cover
DESCRIPTION	Meets or exceeds pressure specifications of UNI EN 853 1ST, EN 853 1SN and EN 857 1SC – High pressure hose suitable for petroleum, synthetic or water based hydraulic fluids in hydraulic systems. Suitable for general fluid power transmissions like earthmoving, agricultural machinery, forklifts trucks and other high pressure equipment. Also suitable for many industrial gases (check for compatibility). Steel braid offers increased mechanical protection compared to yarn braided hoses.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO HYDRAULIC - <PART No> - 1SB - STEEL BRAID ANTIABRASION - <INCH SIZE> - <DN SIZE> - WP
<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

	CODE	DASH	INCH	DN		INCH			BAR		PSI		R		G/M		LBS/FT	
				MM	MM	INCH	MM	INCH	BAR	PSI	MM	INCH	G/M	LBS/FT				
2020065479	0871	-3	3/16	DN5	5,00	0,197	9,70	0,382	360	5200	1440	20800	30	1,18	120	0,081		
2020065536	0872	-4	1/4	DN6	6,40	0,252	11,60	0,457	310	4400	1240	17600	40	1,57	155	0,104		
2020065537	0873	-5	5/16	DN8	8,10	0,319	13,20	0,520	250	3600	1000	14400	55	2,17	190	0,128		
2020065538	0874	-6	3/8	DN10	9,80	0,386	15,50	0,610	225	3200	900	12800	65	2,56	230	0,155		
2020065539	0875	-8	1/2	DN12	13,00	0,512	18,80	0,740	190	2700	760	10800	85	3,35	300	0,202		
2020065540	0876	-10	5/8	DN16	16,30	0,642	22,00	0,866	140	2000	560	8000	115	4,53	335	0,225		
2020065541	0877	-12	3/4	DN20	19,50	0,768	25,80	1,016	115	1600	460	6400	145	5,71	440	0,296		
2020065542	0878	-16	1	DN25	25,80	1,016	33,00	1,299	95	1300	380	5200	180	7,09	620	0,417		

1SB - STEEL BRAID MARINER



APPLICATIONS	Marine and off-shore equipment – Boats – Cranes – Marine transport systems
INNER TUBE	Polyester elastomer
REINFORCEMENT	One braid of steel wire
COVER	Polyurethane, black, non pinpricked, white ink-jet branding
FEATURES	Slimline construction for compact installation and flexibility – Lightweight – Steel braid offers low volumetric expansion and optimum change in length characteristics – Abrasion resistant
DESCRIPTION	Meets or exceeds pressure specifications of UNI EN 853 1ST, EN 853 1SN and EN 857 1SC – High pressure hose suitable for petroleum, synthetic or water based hydraulic fluids used in applications requiring increased resistance to seawater and saline environment. Is also recommended for general on-shore equipment working in high humidity environment. Steel braid offers increased mechanical protection compared to yarn braided hoses.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for water based fluids

branding on this product:

STAUFF FLEX - TO HYDRAULIC - <PART No> - 1SB - STEEL BRAID MARINER - <INCH SIZE> - <DN SIZE> - WP

<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

000000100 10SAP1010 101010000 100011111							CODE	DASH	INCH	DN	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT
							2020065543	0561	-3	3/16	DN5	5,00	0,197	9,70	0,382	360	5200	1440	20800	30	1,18	120
2020065544	0562	-4	1/4	DN6	6,40	0,252	11,60	0,457	310	4400	1240	17600	40	1,57	155	0,104						
2020065545	0563	-5	5/16	DN8	8,10	0,319	13,20	0,520	250	3600	1000	14400	55	2,17	190	0,128						
2020065546	0564	-6	3/8	DN10	9,80	0,386	15,50	0,610	225	3200	900	12800	65	2,56	230	0,155						
2020065547	0565	-8	1/2	DN12	13,00	0,512	18,80	0,740	190	2700	760	10800	85	3,35	300	0,202						
2020065548	0566	-10	5/8	DN16	16,30	0,642	22,00	0,866	140	2000	560	8000	115	4,53	335	0,225						
2020065549	0567	-12	3/4	DN20	19,50	0,768	25,80	1,016	115	1600	460	6400	145	5,71	440	0,296						
2020065550	0568	-16	1	DN25	25,80	1,016	33,00	1,299	95	1300	380	5200	180	7,09	620	0,417						

1SB - STEEL BRAID YACHTING



INNER TUBE	Polyester elastomer
REINFORCEMENT	One braid of steel wire
COVER	Polyurethane, white, non pinpricked, black ink-jet branding
APPLICATIONS	Marine and off-shore equipment – General hydraulic, steering and movement systems on pleasure boats and yachts – Hydraulic gangways
FEATURES	Slimline construction for compact installation and flexibility – Lightweight – Steel braid offers low volumetric expansion and optimum change in length characteristics – Abrasion resistant
DESCRIPTION	Meets or exceeds pressure specifications of UNI EN 853 1ST, EN 853 1SN and EN 857 1SC High pressure hose suitable for petroleum, synthetic or water based hydraulic fluids used in applications requiring increased resistance to seawater and saline environment. Steel braid offers increased mechanical protection compared to yarn braided hoses. The white cover with UV protection makes it the ideal choice for pleasure boats and yachting equipment.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for water based fluids

branding on this product:

STAUFF FLEX -TO HYDRAULIC - <PART No> - 1SB - STEEL BRAID YACHTING - <NORMATIVE><DASH SIZE> - <INCH SIZE> - <DN SIZE> - WP

<WP bar> bar / <WP psi> psi -MADE IN ITALY - www.stauff.co.uk - <BATCH No>

000000100 10SAP1010 101010000 100011111								CODE		DASH		INCH		DN		MM		INCH		BAR		PSI		MM		INCH		G/M		LBS/FT																	
								0581	0582	0583	0584	0585	-3	-4	-5	-6	-8	3/16	1/4	5/16	3/8	1/2	DN5	DN6	DN8	DN10	DN12	5,00	6,40	8,10	9,80	13,00	0,197	0,252	0,319	0,386	0,512	9,70	11,60	13,20	15,50	18,80	0,382	0,457	0,520	0,610	0,740
2020065551	0581	-3	3/16	DN5	5,00	0,197	9,70	0,382	360	5200	1440	20800	30	1,18	120	0,081																															
2020065552	0582	-4	1/4	DN6	6,40	0,252	11,60	0,457	310	4400	1240	17600	40	1,57	155	0,104																															
2020065553	0583	-5	5/16	DN8	8,10	0,319	13,20	0,520	250	3600	1000	14400	55	2,17	190	0,128																															
2020065554	0584	-6	3/8	DN10	9,80	0,386	15,50	0,610	225	3200	900	12800	65	2,56	230	0,155																															
2020065555	0585	-8	1/2	DN12	13,00	0,512	18,80	0,740	190	2700	760	10800	85	3,35	300	0,202																															

2SB - TWO STEEL BRAIDS ANTIABRASION



APPLICATIONS

General hydraulic applications requiring high mechanical protection properties of hose and braid, combined with high pressure: construction equipment, hoisting and handling equipments, machine tools, but also suitable for industrial gas applications

INNER TUBE

Polyester elastomer

REINFORCEMENT

Two braids of steel wire

COVER

Polyurethane, black, pinpricked, white ink-jet branding

FEATURES

Rugged construction for HD application and prolonged lifetime – Two steel braid offers low volumetric expansion and optimum change in length characteristics – Abrasion resistant

DESCRIPTION

High pressure hose suitable for petroleum, synthetic or water based hydraulic fluids in hydraulic systems. Suitable for general fluid power transmissions like earthmoving, forklifts trucks, HD construction machinery, hoisting and handling equipment, high pressure equipment. Also suitable for many industrial gases (check for compatibility).

Two steel braid design offers very high mechanical strength which prolongs lifetime of the hose in harsh conditions.

SAFETY FACTOR

4:1

TEMPERATURE RANGE

-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO HYDRAULIC - <PART No> - 2SB - TWO STEEL BRAIDS ANTIABRASION - <INCH SIZE> - <DN SIZE> - WP

<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

000000100 10SAP1010 101010000 100011111							CODE		DASH		INCH		DN		MM		INCH		BAR		PSI		MM		INCH		G/M		LBS/FT																																																		
							0852	0854	0855	0856	0857	-4	-6	-8	-10	-12	1/4	3/8	1/2	5/8	3/4	DN6	DN10	DN12	DN16	DN20	6,40	9,80	13,00	16,30	19,50	0,252	0,386	0,512	0,642	0,768	12,80	16,80	20,20	23,50	27,50	0,504	0,661	0,795	0,925	1,083	400	330	260	220	150	5800	4700	3700	3100	2100	1600	1320	1040	880	600	23200	18800	14800	12400	8400	40	65	85	115	170	1,57	2,56	3,35	4,53	6,69	245	370	455
2020065556	0852	-4	1/4	DN6	6,40	0,252	12,80	0,504	400	5800	1600	23200	40	1,57	245	0,165																																																															
2020065557	0854	-6	3/8	DN10	9,80	0,386	16,80	0,661	330	4700	1320	18800	65	2,56	370	0,249																																																															
2020065558	0855	-8	1/2	DN12	13,00	0,512	20,20	0,795	260	3700	1040	14800	85	3,35	455	0,306																																																															
2020065559	0856	-10	5/8	DN16	16,30	0,642	23,50	0,925	220	3100	880	12400	115	4,53	560	0,376																																																															
2020065560	0857	-12	3/4	DN20	19,50	0,768	27,50	1,083	150	2100	600	8400	170	6,69	700	0,470																																																															

R18 CPLT 3000



APPLICATIONS	Forklift handling – All industrial and agricultural applications exposed to low temperatures or cyclic and quick temperature changes
INNER TUBE	Polyester elastomer
REINFORCEMENT	One or two braids of synthetic fibre
COVER	Special polyester, black, pinpricked, white ink-jet branding
FEATURES	2 polyester braid construction from 1/4"-DN6 onwards – Optimum bonding between tube, braids and cover – Special polyester cover resistant to low temperatures and meteorological harsh conditions – Tight bend radii without cover wrinkling
DESCRIPTION	Meets or exceeds SAE 100R18 specifications – Medium pressure hose suitable for petroleum or synthetic based hydraulic fluids in hydraulic systems of forklifts. Optimum bonding characteristics and special cover also make it the ideal hose for equipment operating in cold environments, while maintaining a high level of flexibility.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-55°C to +100°C (-67°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO HYDRAULIC - <PART No> - R18 CPLT 3000 - CONSTANT PRESSURE LOW TEMP - <NORMATIVE><DASH SIZE> - <INCH SIZE> - <DN SIZE> - WP

<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

	CODE	DASH	INCH	DN	MM	INCH	MM	INCH	BAR		PSI		MM	INCH	G/M	LBS/FT	
									BAR	PSI	BAR	PSI					
000000100 10SAP1010 101010000 100011111																	
	2020065561	1251	-3	3/16	DN5	5,00	0,197	9,60	0,378	210	3000	840	12000	25	0,98	60	0,040
	2020065562	1252	-4	1/4	DN6	6,50	0,256	12,20	0,480	210	3000	840	12000	35	1,38	95	0,064
	2020065563	1253	-5	5/16	DN8	8,10	0,319	14,30	0,563	210	3000	840	12000	45	1,77	130	0,087
	2020065564	1254	-6	3/8	DN10	9,70	0,382	16,60	0,654	210	3000	840	12000	45	1,77	165	0,111
	2020065565	1255	-8	1/2	DN12	13,00	0,512	22,50	0,886	210	3000	840	12000	70	2,76	295	0,198
	2020065566	1256	-10	5/8	DN16	16,30	0,642	26,10	1,028	210	3000	840	12000	100	3,94	370	0,249

R18 CPLT 3000 NON CONDUCTIVE



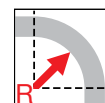
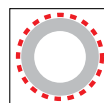
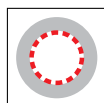
APPLICATIONS	High voltage equipment – Aerial platforms – All industrial and hydraulic applications exposed to low temperatures or cyclic and quick temperature changes
INNER TUBE	Polyester elastomer
REINFORCEMENT	One or two braids of synthetic fibre
COVER	Special polyester, orange, non pinpricked, black ink-jet branding
FEATURES	2 polyester braid construction from 1/4"-DN6 onwards – Optimum bonding between tube, braids and cover – Special polyester cover resistant to low temperatures and meteorological harsh conditions – Tight bend radii without cover wrinkling
DESCRIPTION	Meets or exceeds SAE 100R18 specifications – Medium pressure hose suitable for petroleum or synthetic based hydraulic fluids in hydraulic systems requiring electrical high insulation or non-conductivity in high tension environment. Optimum bonding characteristics and special cover also make it the ideal hose for equipment operating in cold environments, while maintaining a high level of flexibility.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-55°C to +100°C (-67°F to +212°F), limited to +70°C (+158°F) for water based fluids

branding on this product:

STAUFF FLEX - TO HYDRAULIC - <PART No> - R18 CPLT 3000 NC - CONSTANT PRESSURE LOW TEMP NON CONDUCTIVE - <NORMATIVE><DASH SIZE>

- <INCH SIZE> - <DN SIZE> - WP<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

000000100
10SAP1010
101010000
100011111



	CODE	DASH	INCH	DN	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT
2020065567	1551	-3	3/16	DN5	5,00	0,197	9,60	0,378	210	3000	840	12000	25	0,98	60	0,040
2020065568	1552	-4	1/4	DN6	6,50	0,256	12,20	0,480	210	3000	840	12000	35	1,38	95	0,064
2020065569	1553	-5	5/16	DN8	8,10	0,319	14,30	0,563	210	3000	840	12000	45	1,77	130	0,087
2020065570	1554	-6	3/8	DN10	9,70	0,382	16,60	0,654	210	3000	840	12000	45	1,77	165	0,111
2020065571	1555	-8	1/2	DN12	13,00	0,512	22,50	0,886	210	3000	840	12000	70	2,76	295	0,198
2020065572	1556	-10	5/8	DN16	16,30	0,642	26,10	1,028	210	3000	840	12000	100	3,94	370	0,249

CPLT 3600



APPLICATIONS	Forklift handling – All industrial and agricultural applications exposed to low temperatures or cyclic and quick temperature changes
INNER TUBE	Polyester elastomer
REINFORCEMENT	One or two braids of synthetic fibre
COVER	Special polyester, black, pinpricked, white ink-jet branding
FEATURES	2 polyester braid construction from 1/4"-DN6 onwards – Optimum bonding between tube, braids and cover – Special polyester cover resistant to low temperatures and meteorological harsh conditions – Tight bend radii without cover wrinkling
DESCRIPTION	Medium pressure hose suitable for petroleum or synthetic based hydraulic fluids in hydraulic systems of forklifts. Optimum bonding characteristics and special cover also make it the ideal hose for equipment operating in cold environments, while maintaining a high level of flexibility.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-55°C to +100°C (-67°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO HYDRAULIC - <PART No> - CPLT 3600 - CONSTANT PRESSURE LOW TEMP - <INCH SIZE> - <DN SIZE> - WP
<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

	CODE	DASH	INCH	DN		INCH		BAR		PSI		R		G/M		LBS/FT	
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2020065574	1532	-4	1/4	DN6	6,50	0,256	13,00	0,512	250	3600	1000	14400	35	1,38	115	0,077	
2020065575	1533	-5	5/16	DN8	8,10	0,319	14,90	0,587	250	3600	1000	14400	45	1,77	140	0,094	
2020065576	1534	-6	3/8	DN10	9,70	0,382	18,00	0,709	250	3600	1000	14400	55	2,17	200	0,134	

CPLT 3600 NON CONDUCTIVE



APPLICATIONS	High voltage equipment – Aerial platforms – All industrial and hydraulic applications exposed to low temperatures or cyclic and quick temperature changes
INNER TUBE	Polyester elastomer
REINFORCEMENT	One or two braids of synthetic fibre
COVER	Special polyester, orange, non pinpricked, black ink-jet branding
FEATURES	2 polyester braid construction from 1/4"-DN6 onwards – Optimum bonding between tube, braids and cover – Special polyester cover resistant to low temperatures and meteorological harsh conditions – Tight bend radii without cover wrinkling
DESCRIPTION	Medium pressure hose suitable for petroleum or synthetic based hydraulic fluids in hydraulic systems requiring electrical high insulation or non-conductivity in high tension environment. Optimum bonding characteristics and special cover also make it the ideal hose for equipment operating in cold environments, while maintaining a high level of flexibility.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-55°C to +100°C (-67°F to +212°F), limited to +70°C (+158°F) for water based fluids

branding on this product:

STAUFF FLEX - TO HYDRAULIC - <PART No> - CPLT 3600 NC - CONSTANT PRESSURE LOW TEMP NON CONDUCTIVE - <INCH SIZE> - <DN SIZE> - WP
<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

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	2020065578	1562	-4	1/4	DN6	6,50	0,256	13,00	0,512	250	3600	1000	14400	35	1,38	115	0,077
	2020065579	1563	-5	5/16	DN8	8,10	0,319	14,90	0,587	250	3600	1000	14400	45	1,77	140	0,094
	2020065580	1564	-6	3/8	DN10	9,70	0,382	18,00	0,709	250	3600	1000	14400	55	2,17	200	0,134

CPLT 5000



1541



1542



1544 / 1545



APPLICATIONS

General hydraulic applications requiring high mechanical protection properties of hose and braid in cold environments, combined with high pressure: construction equipment, hoisting and handling equipments, machine tools, but also suitable for industrial gas applications

INNER TUBE

Polyester elastomer

REINFORCEMENT

One or two braids of steel or aramid fibre plus one braid of steel wire

COVER

Special polyester, black, pinpricked, white ink-jet branding

FEATURES

Rugged construction for heavy duty application and prolonged lifetime – Steel braid offers low volumetric expansion and optimum change in length characteristics – Abrasion resistant

DESCRIPTION

High pressure hose suitable for petroleum, synthetic or water based hydraulic fluids in hydraulic systems. Suitable for general fluid power transmissions like earthmoving, forklifts trucks, heavy duty construction machinery, hoisting and handling equipment, high pressure equipment. Also suitable for many industrial gases (check for compatibility). Steel braid design offers very high mechanical protection which prolongs lifetime of the hose in harsh conditions. Special cover also make it the ideal hose for equipment operating in cold environments, while maintaining a high level of flexibility.

SAFETY FACTOR

4:1

TEMPERATURE RANGE

-55°C to +100°C (-67°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO HYDRAULIC - <PART No> - CPLT 5000 - CONSTANT PRESSURE LOW TEMP - <INCH SIZE> - <DN SIZE> - WP

<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

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2020065583	1544	-6	3/8	DN10	9,70	0,382	16,90	0,665	350	5000	1400	20000	60	2,36	280	0,188
2020065584	1545	-8	1/2	DN12	13,00	0,512	21,30	0,839	350	5000	1400	20000	80	3,15	390	0,262

CPSS 3000



APPLICATIONS	Welding robots hydraulic – Equipments where during manufacturing process sparks or welding spatters can hit exposed hydraulic hoses
INNER TUBE	Polyester elastomer
REINFORCEMENT	One or two braids of synthetic fibre
COVER	Thermoplastic polymer, black, pinpricked, white ink-jet branding
FEATURES	Special cover resistant against hot sparks or weld spatters generated during welding activities – Higher LOI (Limiting Oxygen Index) improve flame retardant and self extinguishing properties.
DESCRIPTION	Medium pressure hose suitable for petroleum or synthetic based hydraulic fluids in hydraulic systems. The special cover protects the hose from incidental contact with weld spatters and sparks, while increasing flame retardant and self extinguishing properties.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-20°C to +70°C (-4°F to +158°F)

branding on this product:

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2020065588	1514	-6	3/8	DN10	9,70	0,382	17,40	0,685	210	3000	840	12000	45	1,77	205	0,138			
2020065589	1515	-8	1/2	DN12	13,00	0,512	23,00	0,906	210	3000	840	12000	70	2,76	335	0,225			

CPSS 3000 NON CONDUCTIVE



APPLICATIONS	High voltage equipment – Welding robots hydraulic – Equipments where during manufacturing process sparks or welding spatters can hit exposed hydraulic hoses
INNER TUBE	Polyester elastomer
REINFORCEMENT	One or two braids of synthetic fibre
COVER	Thermoplastic polymer, orange, non pinpricked, black ink-jet branding
FEATURES	Special cover resistant against hot sparks or weld spatters generated during welding activities – Higher LOI (Limiting Oxygen Index) improve flame retardant and self extinguishing properties.
DESCRIPTION	Medium pressure hose suitable for petroleum or synthetic based hydraulic fluids in hydraulic systems requiring electrical high insulation or non-conductivity in high tension environment. The special cover also protects the hose from incidental contact with weld spatters and sparks, while increasing flame retardant and self extinguishing properties.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-20°C to +70°C (-4°F to +158°F)

branding on this product:

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<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

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2020065592	1523	-5	5/16	DN8	8,10	0,319	14,90	0,587	210	3000	840	12000	45	1,77	155	0,104								
2020065593	1524	-6	3/8	DN10	9,70	0,382	17,40	0,685	210	3000	840	12000	45	1,77	205	0,138								
2020065594	1525	-8	1/2	DN12	13,00	0,512	23,00	0,906	210	3000	840	12000	70	2,76	335	0,225								

HDH - HEAVY DUTY HYDRAULIC - STEEL ARMoured



APPLICATIONS

General hydraulic applications requiring high mechanical protection properties of hose and braid, combined with high pressure: construction equipment, hoisting and handling equipments, machine tools, but also suitable for industrial gas applications

INNER TUBE

Polyester elastomer

REINFORCEMENT

One or two braids of aramid fibre plus one braid of steel wire

COVER

Polyurethane, black, pinpricked, white ink-jet branding

FEATURES

Rugged construction for HD application and prolonged lifetime – Combined reinforcement offers low volumetric expansion and optimum change in length characteristics – Abrasion resistant

DESCRIPTION

High pressure hose suitable for petroleum, synthetic or water based hydraulic fluids in hydraulic systems. Suitable for general fluid power transmissions like earthmoving, forklifts trucks, HD construction machinery, hoisting and handling equipment, high pressure equipment. Also suitable for many industrial gases (check for compatibility). Steel braid design offers very high mechanical strength which prolongs lifetime of the hose in harsh conditions.

SAFETY FACTORS

4:1

TEMPERATURE RANGE

-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

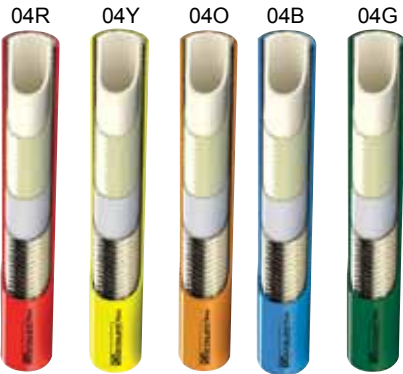
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<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

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2020065596	1504	-6	3/8	DN10	9,70	0,382	16,90	0,665	420	6000	1680	24000	60	2,36	280	0,188
2020065597	1505	-8	1/2	DN12	13,00	0,512	21,30	0,839	350	5000	1400	20000	80	3,15	395	0,265

VHP 10000



APPLICATIONS

Rescue and safety equipment – High pressure systems and pumps – Bolt tensioning tools – Jacking and rerailing equipment

INNER TUBE

Polyester elastomer

REINFORCEMENT

One or two braids of aramid fibre plus one braid of steel wire

COVER

Polyurethane, black, pinpricked, white ink-jet branding

FEATURES

Combined Aramid + Steel braid construction for compact design – Lightweight and flexible – Light bend radii for use on hose reels and in tight environments – Antiabrasion cover

DESCRIPTION

Exceeds the American Jacking Specifications IJ100 – Very High Pressure hose suitable for petroleum, synthetic or water based hydraulic fluids in hydraulic systems. Combined Aramid + Steel braid ensures longevity, pressure performance and compact design.

SAFETY FACTOR

4:1

TEMPERATURE RANGE

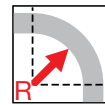
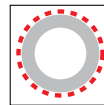
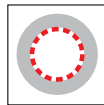
-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO HYDRAULIC - <PART No> - VHP 10000 - <INCH SIZE> - <DN SIZE> - WP <WP bar> bar /

<WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

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101010000
100011111



	CODE	DASH	INCH	DN	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT
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2020031735	0414	-6	3/8	DN10	9,80	0,386	18,7	0,736	700	10000	2800	40000	90	3,54	330	0,222

VHP NON CONDUCTIVE

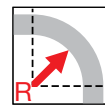
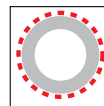
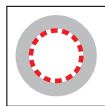
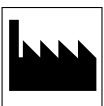
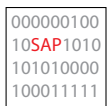


APPLICATIONS	Rescue and safety equipment – High pressure systems and pumps – Bolt tensioning – Jacking and rerailing equipment – Equipment requiring electrical high insulation
INNER TUBE	Polyester elastomer
REINFORCEMENT	Two braids of aramid fibre
COVER	Polyurethane, orange, non pinpricked, black ink-jet branding
FEATURES	Two aramid braid construction for compact design – Lightweight and flexible – Tight bend radii for use on hose reels and in tight environments – Antiabrasion cover
DESCRIPTION	Exceeds the American Jacking Specifications IJ100 – Very High Pressure hose suitable for petroleum or synthetic based hydraulic fluids in hydraulic systems. Aramid braid ensures longevity, pressure performance and compact design, for applications requiring electrical high insulation or non-conductivity in high tension environment e.g. near electrical power lines.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for water based fluids

branding on this product:

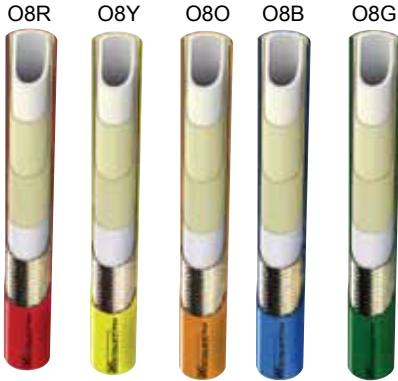
STAUFF FLEX - TO HYDRAULIC - <PART No> - VHP NON CONDUCTIVE - <INCH SIZE> - <DN SIZE> - WP <WP bar> bar / <WP psi> psi -

MADE IN ITALY - www.stauff.co.uk - <BATCH No>



	CODE	DASH	INCH	DN	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT
2020065611	0460	-2	1/8	DN4	4,00	0,157	9,10	0,358	700	10000	2800	40000	25	0,98	60	0,040
2020065612	0461	-3	3/16	DN5	5,00	0,197	11,00	0,433	700	10000	2800	40000	30	1,18	95	0,064
2020065613	0462	-4	1/4	DN6	6,60	0,260	14,00	0,551	700	10000	2800	40000	35	1,38	145	0,097
2020065614	0464	-6	3/8	DN10	9,70	0,382	18,00	0,709	550	8000	2200	32000	70	2,76	205	0,138

VHP EXTRA



APPLICATIONS

Rescue and safety equipment – High pressure systems and pumps – Bolt tensioning tools – Jacking and rerailling equipment
INNER TUBE Polyester elastomer

REINFORCEMENT

Two braids of aramid fibre plus one braid of steel wire

COVER

Polyurethane, black, pinpricked, white ink-jet branding

FEATURES

Combined Aramid + Steel braid construction for compact design – Lightweight and flexible – Light bend radii for use on hose reels and in tight environments – Antiabrasion cover

DESCRIPTION

Exceeds the American Jacking Specifications IJ100 – Very High Pressure hose suitable for petroleum, synthetic or water based hydraulic fluids in hydraulic systems. Combined Aramid + Steel braid ensures longevity, pressure performance and compact design.

SAFETY FACTOR

4:1

TEMPERATURE RANGE

-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO HYDRAULIC - <PART No> - VHP EXTRA - <INCH SIZE> - <DN SIZE> - WP <WP bar> bar / <WP psi> psi -

MADE IN ITALY - www.stauff.co.uk - <BATCH No>

000000100 10SAP1010 101010000 100011111								CODE		DASH		INCH		DN		MM		INCH		BAR		PSI		MM		INCH		G/M		LBS/FT	
								2020065615	0802	-4	1/4	DN6	6,60	0,260	14,30	0,563	800	11500	3200	46000	35	1,38	245	0,165							

OFF SHORE MASTER



APPLICATIONS	Marine and off-shore equipment – ROVs (remotely operated vehicles)
INNER TUBE	Polyester elastomer
REINFORCEMENT	Up to three braids of aramid fibre
COVER	Polyurethane, black, non pinpricked, white ink-jet branding
FEATURES	Aramid reinforcement for high pressure performance – Lightweight – Flexible – Compact – Bonded construction – Abrasion resistant
DESCRIPTION	High pressure hose suitable for petroleum, synthetic or water based hydraulic fluids used in applications requiring increased resistance to seawater and saline environment. Tube is a seamless, smooth continuous extrusion of Rilsan® BESNO P40 TLO methanol washed PA11 for compatibility with Methanol and other commonly used fluids and well chemicals in the offshore industry, according to the industry standard. Size, pressure rating and special cover make this hose the optimal choice for off-shore equipments, like ROVs (remotely operated vehicles), tethered underwater robots used in the off-shore industry. Specially designed hose can be manufactured upon request, according to customer specification.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) and water based fluids

branding on this product:

STAUFF FLEX - TO HYDRAULIC - <PART No> - OFF SHORE MASTER - <INCH SIZE> - <DN SIZE> - WP <WP bar> bar / <WP psi> psi -

MADE IN ITALY - www.stauff.co.uk - <BATCH No>

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MICRO BORE



089A



089B 089C



APPLICATIONS

Pressure test equipment and test points – General mini hydraulic equipment using capillary hoses in confined areas – Automotive roof opening systems – Bicycle braking systems

INNER TUBE

Polyester elastomer

REINFORCEMENT

One braid of aramid fibre

COVER

Anti-grip polyurethane, black, pinpricked, white ink-jet branding

FEATURES

Aramid braid construction – Very flexible and lightweight – Kink resistance – Anti sticky cover properties allows use of hose bundles for easy routing

DESCRIPTION

High pressure hose suitable for petroleum, synthetic or water based hydraulic fluids in hydraulic mini systems: connections to pressure gauges, pressure switches and transducers. Hydraulic roof opening systems for convertible cars. Also suitable for gas transfer. Special fitting range also available.

Also available as factory made assemblies, please contact to our sales office for further details.

SAFETY FACTOR

4:1

TEMPERATURE RANGE

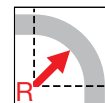
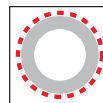
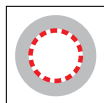
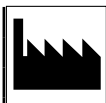
-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO HYDRAULIC - <PART No> - MICRO BORE <DN> - BP <BP bar> bar / <BP psi> psi -

MADE IN ITALY - www.stauff.co.uk - <BATCH No>

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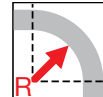
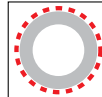
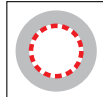


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1240000004	089A	-	5/64	DN2	2,00	0,079	5,00	0,197	630	9100	1900	27300	20	0,79	20	0,013
1240000003	089B	-2	1/8	DN3	3,00	0,118	6,00	0,236	630	9100	1900	27300	30	1,18	25	0,017
1240000005	089C	-	5/32	DN4	4,00	0,157	8,00	0,315	630	9100	1900	27300	40	1,57	45	0,030

R7 ANTIABRASION TWIN



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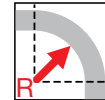
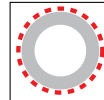
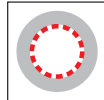


	CODE	DASH	INCH	DN	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT
2020065617	0630	-2	1/8	DN4	4,00	0,157	8,30	0,327	210	3000	840	12000	25	0,98	100	0,067
2020065618	0631	-3	3/16	DN5	5,00	0,197	9,60	0,378	210	3000	840	12000	25	0,98	120	0,081
2020065619	0632	-4	1/4	DN6	6,50	0,256	12,20	0,480	210	3000	840	12000	35	1,38	200	0,134
2020065620	0633	-5	5/16	DN8	8,10	0,319	14,30	0,563	190	2700	760	10800	45	1,77	260	0,175
2020065642	0634	-6	3/8	DN10	9,70	0,382	16,00	0,630	160	2300	640	9200	55	2,17	300	0,202
2020065643	0635	-8	1/2	DN12	13,00	0,512	20,30	0,799	140	2000	560	8000	75	2,95	440	0,296
2020065644	0636	-10	5/8	DN16	16,30	0,642	23,70	0,933	105	1500	420	6000	110	4,33	560	0,376
2020065645	0637	-12	3/4	DN20	19,50	0,768	27,10	1,067	90	1300	360	5200	140	5,51	670	0,450
2020065646	0638	-16	1	DN25	25,90	1,020	34,00	1,339	70	1000	280	4000	190	7,48	910	0,612

R8 ANTIABRASION TWIN



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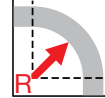
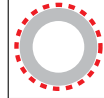
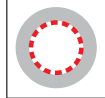


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2020065621	1751	-3	3/16	DN5	5,00	0,197	8,90	0,350	350	5000	1400	20000	30	1,18	110	0,074
2020065622	1752	-4	1/4	DN6	6,50	0,256	11,50	0,453	350	5000	1400	20000	50	1,97	170	0,114
2020065623	1753	-5	5/16	DN8	8,10	0,319	13,40	0,528	300	4300	1200	17200	55	2,17	210	0,141
2020065624	1754	-6	3/8	DN10	9,70	0,382	15,50	0,610	280	4000	1120	16000	60	2,36	270	0,181
2020065625	1755	-8	1/2	DN12	13,00	0,512	19,90	0,783	245	3500	980	14000	80	3,15	400	0,269
2020065626	1756	-10	5/8	DN16	16,30	0,642	23,40	0,921	200	2900	800	11600	125	4,92	500	0,336
2020065627	1757	-12	3/4	DN20	19,50	0,768	26,90	1,059	165	2300	660	9200	150	5,91	640	0,430
2020065628	1758	-16	1	DN25	25,90	1,020	34,20	1,346	140	2000	560	8000	200	7,87	870	0,585

1SB - STEEL BRAID ANTIABRASION TWIN



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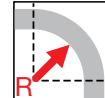
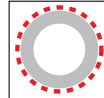
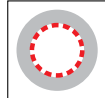


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2020065630	0882	-4	1/4	DN6	6,40	0,252	11,60	0,457	310	4400	1240	17600	40	1,57	310	0,208
2020065631	0883	-5	5/16	DN8	8,10	0,319	13,20	0,520	250	3600	1000	14400	55	2,17	380	0,255
2020065633	0884	-6	3/8	DN10	9,80	0,386	15,50	0,610	225	3200	900	12800	65	2,56	470	0,316
2020065634	0885	-8	1/2	DN12	13,00	0,512	18,80	0,740	190	2700	760	10800	85	3,35	600	0,403
2020065635	0886	-10	5/8	DN16	16,30	0,642	22,00	0,866	140	2000	560	8000	115	4,53	670	0,450
2020065636	0887	-12	3/4	DN20	19,50	0,768	25,80	1,016	115	1600	460	6400	145	5,71	890	0,598
2020065637	0888	-16	1	DN25	25,80	1,016	33,00	1,299	95	1300	380	5200	180	7,09	1240	0,833

2SB - TWO STEEL BRAIDS ANTIABRASION TWIN



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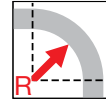
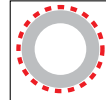
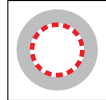
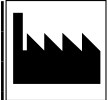


	CODE	DASH	INCH	DN	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT
2020065638	0822	-4	1/4	DN6	6,40	0,252	12,80	0,504	400	5800	1600	23200	40	1,57	490	0,329
2020065639	0824	-6	3/8	DN10	9,80	0,386	16,80	0,661	330	4700	1320	18800	65	2,56	740	0,497
2020065640	0825	-8	1/2	DN12	13,00	0,512	20,20	0,795	260	3700	1040	14800	85	3,35	910	0,612
2020065641	0826	-10	5/8	DN16	16,30	0,642	23,50	0,925	220	3100	880	12400	115	4,53	1120	0,753
2020065648	0827	-12	3/4	DN20	19,50	0,768	27,50	1,083	150	2100	600	8400	170	6,69	1400	0,941

VHP 10000 TWIN



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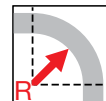
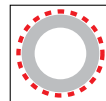
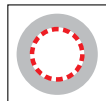


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2020065632	1414	-6	3/8	DN10	9,80	0,386	18,7	0,736	700	10000	2800	40000	90	3,54	660	0,444

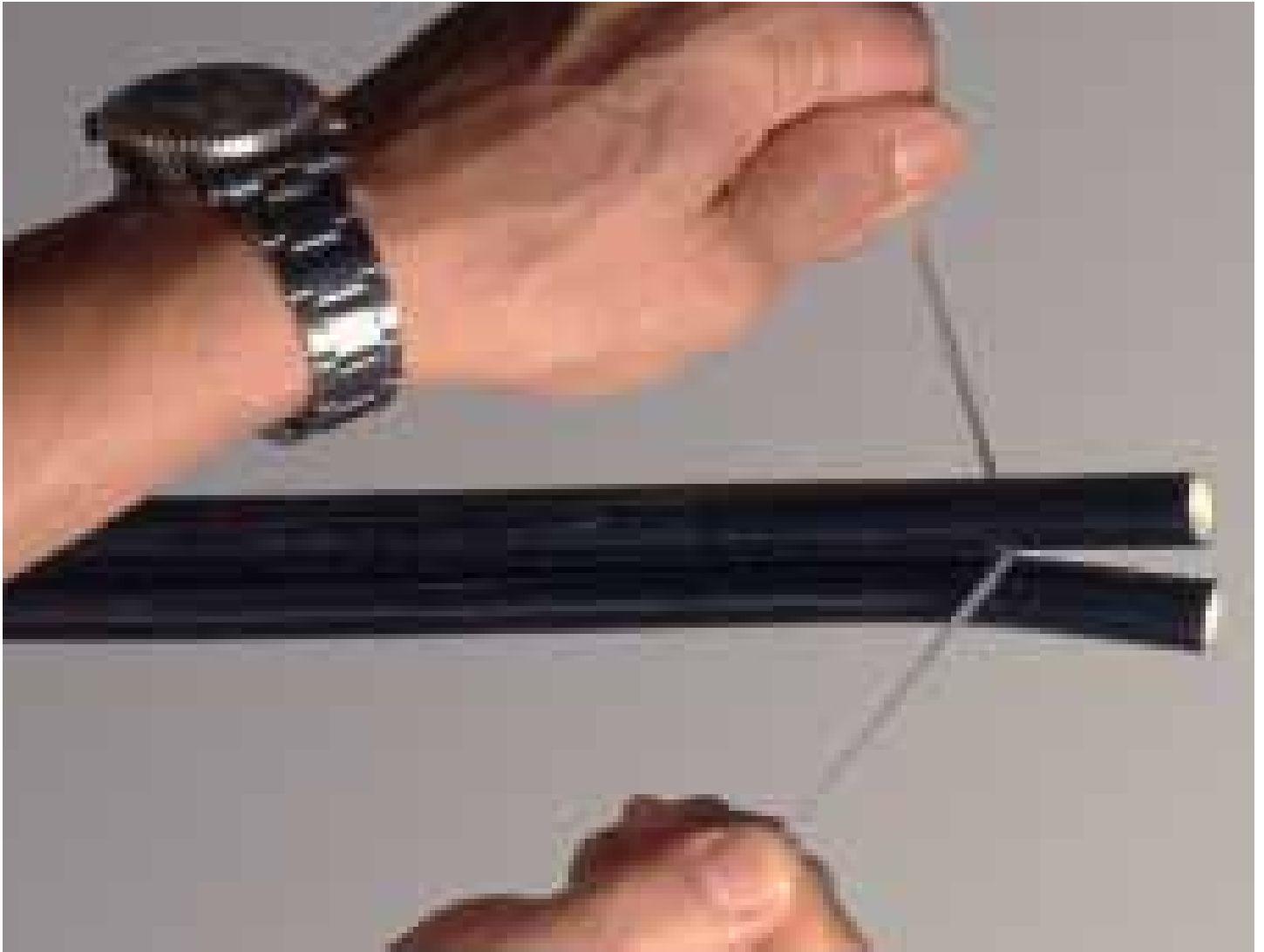
R18 CPLT 3000



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SAP CODE	PART	DASH	INCH	DN	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT
2020065650	1351	-3	3/16	DN5	5,00	0,197	9,60	0,378	210	3000	840	12000	25	0,98	120	0,081
2020065651	1352	-4	1/4	DN6	6,50	0,256	12,20	0,480	210	3000	840	12000	35	1,38	190	0,128
2020065652	1353	-5	5/16	DN8	8,10	0,319	14,30	0,563	210	3000	840	12000	45	1,77	260	0,175
2020065653	1354	-6	3/8	DN10	9,70	0,382	16,60	0,654	210	3000	840	12000	45	1,77	330	0,222
2020065654	1355	-8	1/2	DN12	13,00	0,512	22,50	0,886	210	3000	840	12000	70	2,76	590	0,397
2020065655	1356	-10	5/8	DN16	16,30	0,642	26,10	1,028	210	3000	840	12000	100	3,94	740	0,497



HOW TO SPLIT A TWIN HOSE

The picture shows the necessary operation to split the twin hose

- 1 Fasten the hose in a suitable position for splitting.
- 2 Hold a Polyester or Nylon multifilament yarn with both hands.
- 3 Position the yarn at the start of the joined hoses.
- 4 Start splitting the twin hose with an alternating movement taking care the yarn is kept in the middle of the joined hoses.
- 5 Proceed with splitting the joined hose until the desired point has been reached.
- 6 To avoid further separation of the join due to vibrations or other mechanical actions consolidate the hose with a reinforcing strip at the separation point.
- 7 The twin hose is now ready for the assembly operation.

HOW TO CHECK IF THE SPLIT IS CORRECT

Immediately after the separation of the hoses, check the cover integrity.

If it has been accidentally cut and reinforcement is exposed it is necessary to eliminate this length of exposed reinforcement.

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Stauff Flex thermoplastic hose is compatible with many eco-fluids and biodegradable fluids, including many new ecological hydraulic oils, as used more often in the industry. Although these fluids are positive for the environment thanks to their ecological properties, at the same time they can be extremely aggressive on hoses, especially on traditional rubber hoses.

It is everybody's responsibility to respect our environment. In this way it is important to consider that Stauff Flex thermoplastic hoses, after their service life, can be recycled as raw material for non engineered products. A responsible choice for our future.



To view on-line



GREASING



APPLICATIONS	Manual and air-operated greasing guns – Central greasing and lubrication systems
INNER TUBE	Thermoplastic polymer
REINFORCEMENT	One braid of synthetic fibre
COVER	Thermoplastic polymer, black, non pinpricked, white ink-jet branding
FEATURES	Polyester reinforcement for high pressure – Extremely compact and flexible – Highly kink resistant – Special anti sticky cover for easy installation and compact routing – TPU cover versions guarantees anti-abrasion properties
DESCRIPTION	High pressure hose suitable for petroleum, synthetic or water based hydraulic fluids, specifically designed for diverse greasing and lubrication applications of industrial vehicles and handheld or automatic greasing distribution equipment, different versions to suit multiple fitting brands. Also available as factory made assemblies, please contact our sales office for further details
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +60°C (-40°F to +140°F), limited to -20°C (-4°F) for non TPU versions

branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - GREASING HOSE - <METRIC SIZE> - <INCH SIZE> - <DN SIZE> - WP
<WP bar> bar / <WP psi> psi - BP <BP bar> bar / <BP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

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			CODE	INCH	DN	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M
2020065668	130A	5/32	DN4	4,20	0.165	8,80	0.346	400	5800	1000	14500	35	1.38	60	0,040	
2020065669	130B	5/32	DN4	4,20	0.165	10,10	0.398	400	5800	1000	14500	35	1.38	95	0,064	
2020065670	130C	-5/32	DN4	4,00	0.157	8,30	0.327	400	5800	1000	14500	25	0.98	50	0,034	

BEVERAGE DISPENSING



140A



140B



140C



APPLICATIONS
INNER TUBE
REINFORCEMENT
COVER
FEATURES
DESCRIPTION

CO2 for beverage dispensing – Nitrogen and mixed gases
Polyester elastomer
Two braids of synthetic fibre, or one aramid braid, or one steel braid
Polyurethane, black, pinpricked, white ink-jet branding
Flavour free materials, suitable for food applications – Pinpricked cover for gas use
High pressure hose specifically suitable for gases (also mixed gases) used in fixed and mobile beverage dispensing units. Flavour free inner tube, suitable for food applications, eliminates contamination risk of the gas and / or beverage with plastic material.
The constituents of the hose liner conform to certain FDA and EC regulations concerning articles for food contact.

SAFETY FACTOR 4:1
TEMPERATURE RANGE -40°C (-40°F) to +80°C (+176°F)

branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - BEVERAGE DISPENSING - <INCH SIZE> - <DN SIZE> - WP
<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

000000100 10SAP1010 101010000 100011111							DASH		INCH		DN		MM		INCH		BAR		PSI	
							CODE	DASH	INCH	DN	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH
2020065671	140A	-4	1/4	DN6	6,50	0.256	12,20	0.480	210	3000	840	12000	35	1.38	100	0,067				
2020065672	140B	-4	1/4	DN6	6,40	0.252	11,60	0.457	300	4300	1200	17200	40	1.57	155	0,104				
2020065673	140C	-4	1/4	DN6	6,50	0.256	11,50	0.453	350	5000	1400	20000	50	1.97	90	0,060				

AIR CYLINDER FILLING 6000

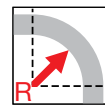
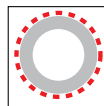
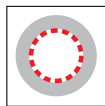


APPLICATIONS	Mobile and stationary units used for filling breathing air cylinders, as used in diving and fire fighting equipment.
INNER TUBE	Polyester elastomer
REINFORCEMENT	One braid of aramid fibre
COVER	Polyurethane, black, pinpricked, white ink-jet branding
FEATURES	Flavour free inner tube – Flexible and lightweight – Highly kink resistant – Pinpricked cover
DESCRIPTION	High pressure hose specifically suitable for filling air cylinders. Hose specifically designed for working in humid conditions, without degrading, ensuring increased lifetime. Flavour free materials eliminates contamination risk. The aramid reinforcement increases lifetime of the hose, while reducing the risks of injuries. The constituents of the hose liner conform to certain FDA and EC regulations concerning articles for food contact.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C (-40°F) to +80°C (176°F)

branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - AIR CYLINDER FILLING 6000 - <INCH SIZE> - <DN SIZE> - WP
<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

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	CODE	DASH	INCH	DN	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT
2020065674	1201	-3	3/16	DN5	5,00	0.197	9,60	0.378	420	6000	1680	24000	30	1.18	65	0,044
2020065675	1202	-4	1/4	DN6	6,50	0.256	12,10	0.476	420	6000	1680	24000	50	1.97	95	0,064

STEEL BRAID CO2 FIRE EXTINGUISHING



APPLICATIONS	Off-shore and industrial CO2 fire extinguishing installations
INNER TUBE	Polyester elastomer
REINFORCEMENT	One braid of steel wire
COVER	Polyurethane, black, pinpricked, white ink-jet branding
FEATURES	One steel braid design for increased mechanical and pressure resistance – pinpricked cover
DESCRIPTION	Hose for use of connection between bottles / valves and manifolds for CO2 - main fire extinguishing systems. The low temperature resistance of cover increases lifetime of these hoses.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-60°C to +93°C (-76°F to +199°F)

branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - STEEL BRAID CO2 FIRE EXTINGUISHING SYSTEMS - <INCH SIZE> - <DN SIZE> - WP <WP bar> bar / <WP psi> psi - BP <BP bar> bar / <BP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

00000100 10SAP1010 101010000 100011111							CODE		DASH		INCH		DN		MM		INCH		BAR		PSI		MM		INCH		G/M		LBS/FT																																																																		
							0501	0502	0503	0504	0505	0506	-3	-4	-5	-6	-8	-10	3/16	1/4	5/16	3/8	1/2	5/8	DN5	DN6	DN8	DN10	DN12	DN16	5,00	6,40	8,10	9,80	13,00	16,30	0.197	0.252	0.319	0.386	0.512	0.642	9,70	11,60	13,20	15,50	18,80	22,00	0.382	0.457	0.520	0.610	0.740	0.866	300	275	212	212	175	140	4300	3900	3000	3000	2500	2000	1200	1100	850	850	700	560	17200	15600	12000	12000	10000	8000	30	40	55	65	85	115	1.18	1.57	2.17	2.56	3.35	4.53	120	155	195	230	300
2020065676	0501	-3	3/16	DN5	5,00	0.197	9,70	0.382	300	4300	1200	17200	30	1.18	120	0,081																																																																															
2020065677	0502	-4	1/4	DN6	6,40	0.252	11,60	0.457	275	3900	1100	15600	40	1.57	155	0,104																																																																															
2020065678	0503	-5	5/16	DN8	8,10	0.319	13,20	0.520	212	3000	850	12000	55	2.17	195	0,131																																																																															
2020065679	0504	-6	3/8	DN10	9,80	0.386	15,50	0.610	212	3000	850	12000	65	2.56	230	0,155																																																																															
2020065680	0505	-8	1/2	DN12	13,00	0.512	18,80	0.740	175	2500	700	10000	85	3.35	300	0,202																																																																															
2020065681	0506	-10	5/8	DN16	16,30	0.642	22,00	0.866	140	2000	560	8000	115	4.53	320	0,215																																																																															

R7 PAINT SPRAY & SOLVENTS



APPLICATIONS	Airless paint spray systems – Applications requiring high chemical resistance to solvents and aggressive fluids
INNER TUBE	Polyamide PA6
REINFORCEMENT	One or two braids of synthetic fibre
COVER	Polyurethane, blue, pinpricked, black ink-jet branding
FEATURES	Polyamide type 6 tube construction – Yarn braid design for lightweight and high flexibility – Blue pinpricked cover
DESCRIPTION	Medium pressure hose with blue cover, particularly designed for paint spray and solvent applications with increased resistance to abrasion. Due to low dissipation rate of the tube, the hose is also suitable for many industrial gases. Check compatibility list for overview of resistance to chemical substances and gases. This hose is not intended for use in static discharge applications.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

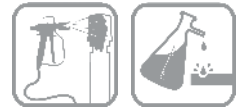
branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - R7 PAINT SPRAY & SOLVENTS - <NORMATIVE><DASH SIZE> - <INCH SIZE> - <DN SIZE> - WP

<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

	CODE	DASH	INCH	DN		MM		INCH		BAR		PSI		R		G/M		LBS/FT	
				MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT				
2020065682	0981	-3	3/16	DN5	5,00	0.197	9,60	0.378	210	3000	840	12000	25	0.98	60	0,040			
2020065683	0982	-4	1/4	DN6	6,50	0.256	12,20	0.480	210	3000	840	12000	35	1.38	95	0,064			
2020065684	0984	-6	3/8	DN10	9,70	0.382	16,00	0.630	160	2300	640	9200	55	2.17	140	0,094			
2020065685	0985	-8	1/2	DN12	13,00	0.512	20,30	0.799	140	2000	560	8000	75	2.95	210	0,141			

R8 PAINT SPRAY & SOLVENTS



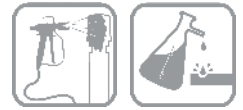
APPLICATIONS	High pressure Airless paint spray systems – Applications requiring high chemical resistance to solvents and aggressive fluids
INNER TUBE	Polyamide PA6
REINFORCEMENT	One braid of aramid fibre
COVER	Polyurethane, blue, pinpricked, black ink-jet branding
FEATURES	Polyamide type 6 tube construction – Aramid braid for high pressure requirements but still lightweight and highly flexible – Blue pinpricked cover
DESCRIPTION	High pressure hose with blue cover, particularly designed for paint spray and solvent applications with increased resistance to abrasion. Due to low dissipation rate of the tube, the hose is also suitable for many industrial gases. Check compatibility list for overview of resistance to chemical substances and gases. This hose is not intended for use in static discharge applications.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - R8 PAINT SPRAY & SOLVENTS - <NORMATIVE><DASH SIZE> - <INCH SIZE> - <DN SIZE> - WP
<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

000000100 10SAP1010 101010000 100011111								CODE		DASH		INCH		DN		MM		INCH		BAR		PSI		MM		INCH		G/M		LBS/FT	
								2020065686	1271	-3	3/16	DN5	5,00	0.197	8,90	0.350	350	5000	1400	20000	30	1.18	50	0,034							
2020065687	1272	-4	1/4	DN6	6,50	0.256	11,50	0.453	350	5000	1400	20000	50	1.97	80	0,054															
2020065688	1274	-6	3/8	DN10	9,70	0.382	15,50	0.610	280	4000	1120	16000	60	2.36	130	0,087															
2020065689	1275	-8	1/2	DN12	13,00	0.512	19,90	0.783	245	3500	980	14000	80	3.15	190	0,128															

1SB - STEEL BRAID PAINT SPRAY & SOLVENTS



APPLICATIONS	Airless paint spray systems requiring additional mechanical strength of hose and/or electrical conductivity – Applications requiring high chemical resistance to solvents and aggressive fluids
INNER TUBE	Polyamide PA6
REINFORCEMENT	One braid of steel wire
COVER	Polyurethane, blue, pinpricked, black ink-jet branding
FEATURES	Polyamide type 6 construction – Steel braid for high pressure requirements and increased mechanical properties, increasing lifetime of the hose – Conductive – Blue pinpricked cover
DESCRIPTION	High pressure hose with blue cover, particularly designed for paint spray and solvent applications with increased resistance to abrasion, mechanical strength and providing electrical conductivity. Due to low dissipation rate of tube, the hose is also suitable for many industrial gases. Check compatibility list for overview of resistance to chemical substances and gases.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - 1SB - STEEL BRAID PAINT SPRAY & SOLVENTS - <INCH SIZE> - <DN SIZE> - WP

<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

000000100 10SAP1010 101010000 100011111							CODE		DASH		INCH		DN		MM		INCH		BAR		PSI		MM		INCH		G/M		LBS/FT																		
							0831	0832	0834	0835	0837	-3	-4	-6	-8	-12	3/16	1/4	3/8	1/2	3/4	DN5	DN6	DN10	DN12	DN20	5,00	6,40	9,80	13,00	19,50	0.197	0.252	0.386	0.512	0.768	9,70	11,60	15,50	18,80	25,80	0.382	0.457	0.610	0.740	1.016	360
2020065690	0831	-3	3/16	DN5	5,00	0.197	9,70	0.382	360	5200	1440	20800	30	1.18	120	0,081																															
2020065691	0832	-4	1/4	DN6	6,40	0.252	11,60	0.457	310	4400	1240	17600	40	1.57	150	0,101																															
2020065692	0834	-6	3/8	DN10	9,80	0.386	15,50	0.610	225	3200	900	12800	65	2.56	225	0,151																															
2020065693	0835	-8	1/2	DN12	13,00	0.512	18,80	0.740	190	2700	760	10800	85	3.35	295	0,198																															
2020065694	0837	-12	3/4	DN20	19,50	0.768	25,80	1.016	115	1600	460	6400	145	5.71	425	0,286																															

BP 1SB - STEEL BRAID PAINT SPRAY & SOLVENTS



APPLICATIONS

Airless paint spray systems requiring additional mechanical strength of hose and/or electrical conductivity – Applications requiring high chemical resistance to solvents and aggressive fluids

INNER TUBE

Polyamide PA6

REINFORCEMENT

One braid of steel wire

COVER

Polyurethane, blue, pinpricked, black ink-jet branding

FEATURES

Polyamide type 6 tube construction – Steel braid for high pressure requirements and increased mechanical properties, increasing lifetime of the hose – Conductive – Blue pinpricked cover

DESCRIPTION

High pressure hose with blue cover, particularly designed for paint spray and solvent applications with increased resistance to abrasion, mechanical strength and providing electrical conductivity. Due to low dissipation rate of tube, the hose is also suitable for many industrial gases. Check compatibility list for overview of resistance to chemical substances and gases.

SAFETY FACTOR

4:1

TEMPERATURE RANGE

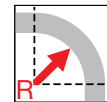
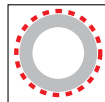
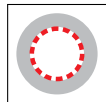
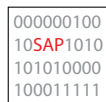
-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - 1SB - STEEL BRAID PAINT SPRAY & SOLVENTS - <INCH SIZE> - <DN SIZE> - BP <BP bar> bar / <BP psi> psi -

WARNING: BURST PRESSURE FOR REFERENCE ONLY - USE MAXIMUM WORKING PRESSURE

IN ACCORDANCE WITH APPLICATION SAFETY FACTOR - MADE IN ITALY - www.stauff.co.uk - <BATCH No>



	CODE	DASH	INCH	DN	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT
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2020065696	0832BP	-4	1/4	DN6	6,40	0.252	11,60	0.457	310	4400	1240	17600	40	1.57	150	0,101
2020065697	0834BP	-6	3/8	DN10	9,80	0.386	15,50	0.610	225	3200	900	12800	65	2.56	225	0,151
2020065698	0835BP	-8	1/2	DN12	13,00	0.512	18,80	0.740	190	2700	760	10800	85	3.35	295	0,198
2020065699	0837BP	-12	3/4	DN20	19,50	0.768	25,80	1.016	115	1600	460	6400	145	5.71	425	0,286

2SB - TWO STEEL BRAIDS PAINT SPRAY & SOLVENTS



APPLICATIONS

High pressure Airless paint spray systems requiring very high mechanical strength of hose and/or electrical conductivity – Applications requiring high chemical resistance to solvents and aggressive fluids

INNER TUBE

Polyamide PA6

REINFORCEMENT

Two braids of steel wire

COVER

Polyurethane, blue, pinpricked, black ink-jet branding

FEATURES

Polyamide type 6 tube construction – 2 steel braid for high pressure requirements and increased mechanical properties, increasing lifetime of the hose under very harsh working conditions – Conductive – Blue pinpricked cover

DESCRIPTION

High pressure hose with blue cover, particularly designed for paint spray and solvent applications with increased resistance to abrasion, mechanical strength and providing electrical conductivity. Due to low dissipation rate of tube, the hose is also suitable for many industrial gases. Check compatibility list for overview of resistance to chemical substances and gases.

SAFETY FACTOR

4:1

TEMPERATURE RANGE

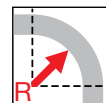
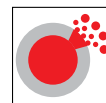
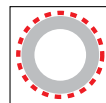
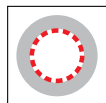
-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - 2SB - TWO STEEL BRAIDS PAINT SPRAY & SOLVENTS - <INCH SIZE> - <DN SIZE> -

WP <WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

000000100
10SAP1010
101010000
100011111



	CODE	DASH	INCH	DN	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT
2020065700	0812	-4	1/4	DN6	6,40	0.252	12,80	0.504	400	5800	1600	23200	40	1.57	240	0,161
2020065701	0814	-6	3/8	DN10	9,80	0.386	16,80	0.661	330	4700	1320	18800	65	2.56	365	0,245
2020065702	0815	-8	1/2	DN12	13,00	0.512	20,20	0.795	260	3700	1040	14800	85	3.35	445	0,299
2020065703	0817	-12	3/4	DN20	19,50	0.768	27,50	1.083	150	2100	600	8400	170	6.69	680	0,457

BP 2SB - TWO STEEL BRAIDS PAINT SPRAY & SOLVENTS



APPLICATIONS	High pressure Airless paint spray systems requiring very high mechanical strength of hose and/or electrical conductivity – Applications requiring high chemical resistance to solvents and aggressive fluids
INNER TUBE	Polyamide PA6
REINFORCEMENT	Two braids of steel wire
COVER	Polyurethane, blue, pinpricked, black ink-jet branding
FEATURES	Polyamide type 6 tube construction – 2 steel braid for high pressure requirements and increased mechanical properties, increasing lifetime of the hose under very harsh working conditions – Conductive – Blue pinpricked cover
DESCRIPTION	High pressure hose with blue cover, particularly designed for paint spray and solvent applications with increased resistance to abrasion, mechanical strength and providing electrical conductivity. Due to low dissipation rate of tube, the hose is also suitable for many industrial gases. Check compatibility list for overview of resistance to chemical substances and gases.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - 2SB - TWO STEEL BRAIDS PAINT SPRAY & SOLVENTS - <INCH SIZE> - <DN SIZE> - BP <BP bar> bar / <BP psi> psi - WARNING: BURST PRESSURE FOR REFERENCE ONLY - USE MAXIMUM WORKING PRESSURE IN ACCORDANCE WITH APPLICATION SAFETY FACTOR - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

000000100 10SAP1010 101010000 100011111								CODE	DASH	INCH	DN	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT
								2020065704	0812BP	-4	1/4	DN6	6,40	0.252	12,80	0.504	400	5800	1600	23200	40	1.57	240
2020065705	0814BP	-6	3/8	DN10	9,80	0.386	16,80	0.661	330	4700	1320	18800	65	2.56	365	0,245							
2020065706	0815BP	-8	1/2	DN12	13,00	0.512	20,20	0.795	260	3700	1040	14800	85	3.35	445	0,299							
2020065707	0817BP	-12	3/4	DN20	19,50	0.768	27,50	1.083	150	2100	600	8400	170	6.69	680	0,457							

2SB - TWO STEEL BRAID AGGRESSIVE CHEMICAL



APPLICATIONS	High pressure aggressive chemicals systems requiring very high mechanical strength of hose and/or electrical conductivity – Applications requiring high chemical resistance to solvents and aggressive fluids such as two parts polyurethane injection foams
INNER TUBE	Polyamide PA12
REINFORCEMENT	Two braids of steel wire
COVER	Polyurethane, blue, pinpricked, black ink-jet branding
FEATURES	Polyamide type 12 tube construction – 2 steel braid for high pressure requirements and increased mechanical properties, increasing lifetime of the hose under very harsh working conditions – Conductive – Blue pinpricked cover
DESCRIPTION	High pressure hose with blue cover. Due to particularly low humidity absorption of the tube, this hose is particularly indicated for two parts PU foams injection systems, isocyanate and polyols, and very aggressive chemicals applications with increased resistance to abrasion, mechanical strength and providing electrical conductivity. Due to low dissipation rate of tube, the hose is also suitable for many industrial gases. Check compatibility list for overview of resistance to chemical substances and gases.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - 2SB - TWO STEEL BRAIDS AGGRESSIVE CHEMICALS - <INCH SIZE> - <DN SIZE>
WP <WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

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							1812	1814	1815	1817	-4	-6	-8	-12	1/4	3/8	1/2	3/4	DN6	DN10	DN12	DN20	6,40	9,80	13,00	19,50	0.252	0.386	0.512	0.768	12,80	16,80	20,20	27,50	0.504	0.661	0.795	1.083	400	330	260	150	5800	4700	3700	2100	1600	1320	1040	600	23200	18800	14800	8400	40	65	85	170	1.57	2.56	3.35	6.69	240
2020065708	1812	-4	1/4	DN6	6,40	0.252	12,80	0.504	400	5800	1600	23200	40	1.57	240	0,161																																															
2020065709	1814	-6	3/8	DN10	9,80	0.386	16,80	0.661	330	4700	1320	18800	65	2.56	365	0,245																																															
2020065710	1815	-8	1/2	DN12	13,00	0.512	20,20	0.795	260	3700	1040	14800	85	3.35	440	0,296																																															
2020065711	1817	-12	3/4	DN20	19,50	0.768	27,50	1.083	150	2100	600	8400	170	6.69	675	0,454																																															


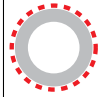




BP 2SB - TWO STEEL BRAID AGGRESSIVE CHEMICAL



APPLICATIONS	High pressure aggressive chemicals systems requiring very high mechanical strength of hose and/or electrical conductivity – Applications requiring high chemical resistance to solvents and aggressive fluids such as two parts polyurethane injection foams
INNER TUBE	Polyamide PA12
REINFORCEMENT	Two braids of steel wire
COVER	Polyurethane, blue, pinpricked, black ink-jet branding
FEATURES	Polyamide type 12 tube construction – 2 steel braid for high pressure requirements and increased mechanical properties, increasing lifetime of the hose under very harsh working conditions – Conductive – Blue pinpricked cover
DESCRIPTION	High pressure hose with blue cover. Due to particularly low humidity absorption of the tube, this hose is particularly indicated for two parts PU foams injection systems, isocyanate and polyols, and very aggressive chemicals applications with increased resistance to abrasion, mechanical strength and providing electrical conductivity. Due to low dissipation rate of tube, the hose is also suitable for many industrial gases. Check compatibility list for overview of resistance to chemical substances and gases.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - 2SB - TWO STEEL BRAIDS AGGRESSIVE CHEMICALS - <INCH SIZE> - <DN SIZE> -
BP <BP bar> bar / <BP psi> psi - WARNING: BURST PRESSURE FOR REFERENCE ONLY -
USE MAXIMUM WORKING PRESSURE IN ACCORDANCE WITH APPLICATION SAFETY FACTOR - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

000000100 10SAP1010 101010000 100011111								CODE	DASH	INCH	DN	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT
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2020065713	1814BP	-6	3/8	DN10	9,80	0.386	16,80	0.661	330	4700	1320	18800	65	2.56	365	0,245							
2020065714	1815BP	-8	1/2	DN12	13,00	0.512	20,20	0.795	260	3700	1040	14800	85	3.35	440	0,296							
2020065715	1817BP	-12	3/4	DN20	19,50	0.768	27,50	1.083	150	2100	600	8400	170	6.69	675	0,454							

HDC - HEAVY DUTY AGGRESSIVE CHEMICALS



APPLICATIONS	High pressure aggressive chemicals systems requiring very high mechanical strength of hose and/or electrical conductivity – Applications requiring high chemical resistance to solvents and aggressive fluids such as two parts polyurethane injection foams
INNER TUBE	Polyamide PA12
REINFORCEMENT	One or two braids of aramid fibre plus one braid of steel wire
COVER	Polyurethane, blue, pinpricked, black ink-jet branding
FEATURES	Polyamide type 12 tube construction – Combined reinforcement for high pressure requirements and increased mechanical properties, increasing lifetime of the hose under very harsh working conditions – Conductive – Blue pinpricked cover
DESCRIPTION	High pressure hose with blue cover. Due to particularly low humidity absorption of the tube, this hose is particularly indicated for two parts PU foams injection systems, isocyanate and polyols, and very aggressive chemicals applications with increased resistance to abrasion, mechanical strength and providing electrical conductivity. Due to low dissipation rate of tube, the hose is also suitable for many industrial gases. Check compatibility list for overview of resistance to chemical substances and gases.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - HDC - HEAVY DUTY AGGRESSIVE CHEMICALS - <INCH SIZE> - <DN SIZE> - WP
<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

00000100 10SAP1010 101010000 100011111								CODE	DASH	INCH	DN	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT
								2020065716	0492	-4	1/4	DN6	6,50	0.256	12,60	0.496	500	7200	2000	28800	40	1.57	185
2020065717	0494	-6	3/8	DN10	9,70	0.382	16,90	0.665	420	6000	1680	24000	60	2.36	275	0,185							
2020065718	0495	-8	1/2	DN12	13,00	0.512	21,30	0.839	350	5000	1400	20000	80	3.15	380	0,255							

VHP 10000 AGGRESSIVE CHEMICAL



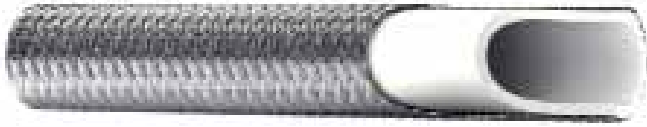
APPLICATIONS	Very high pressure aggressive chemicals systems requiring very high mechanical strength of hose and/or electrical conductivity – Applications requiring high chemical resistance to solvents and aggressive fluids such as two parts polyurethane injection foams
INNER TUBE	Polyamide PA12
REINFORCEMENT	One or two braids of aramid fibre plus one braid of steel wire
COVER	Polyurethane, blue, pinpricked, black ink-jet branding
FEATURES	Polyamide type 12 tube construction – Combined reinforcement for high pressure requirements and increased mechanical properties, increasing lifetime of the hose under very harsh working conditions – Conductive – Blue pinpricked cover
DESCRIPTION	High pressure hose with blue cover. Due to particularly low humidity absorption of the tube, this hose is particularly indicated for two parts PU foams injection systems, isocyanate and polyols, and very aggressive chemicals applications with increased resistance to abrasion, mechanical strength and providing electrical conductivity. Due to low dissipation rate of tube, the hose is also suitable for many industrial gases. Check compatibility list for overview of resistance to chemical substances and gases.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air & water based fluids

branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - VHP 10000 AGGRESSIVE CHEMICALS - <INCH SIZE> - <DN SIZE> - WP
<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>


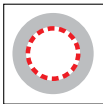
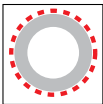


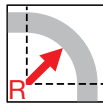
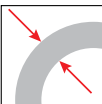
00000100 10SAP1010 101010000 100011111							CODE		DASH		INCH		DN		MM		INCH		BAR		PSI		MM		INCH		G/M		LBS/FT		
							0482	0484	-4	-6	1/4	3/8	DN6	DN10	6,60	9,80	0.260	0.386	12,70	18,7	0.500	0.736	700	700	10000	10000	2800	2800	40000	40000	35
2020065719	0482	-4	1/4	DN6	6,60	0.260	12,70	0.500	700	10000	2800	40000	35	1.38	180	0,121															
2020065720	0484	-6	3/8	DN10	9,80	0.386	18,7	0.736	700	10000	2800	40000	90	3.54	320	0,215															

PTFE


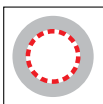
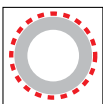
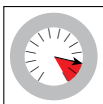

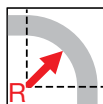
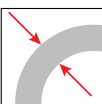


APPLICATIONS	Aggressive chemicals transfer systems – Compressed air and gases – High or low temperature fluid or gas transfer
INNER TUBE	Polytetrafluoroethylene
REINFORCEMENT	One braid of stainless AISI 304 wire
COVER	N/A
FEATURES	Pure PTFE tube material, lightweight, resistant to almost all chemicals, gases and solvents. Stainless steel braid / cover to support medium pressure requirements. Hose comes in random length coils
DESCRIPTION	<p>Lightweight smoothbore hose for standard industrial use, especially for high or low temperature and aggressive chemical applications, including some gases (there will be a level of gas permeation which should be taken into account). Care should be taken to ensure proper fitting and ferrule compatibility, we recommend to contact our sales office for fittings selection.</p> <p>Hose not suitable for continuous hydraulic impulse applications.</p> <p>Above +130°C (+266°F) there will be a reduction in maximum working pressure: reduce maximum working pressure by 1% for each 2°C (3,6°F) above 130°C (+266°F).</p> <p>Hose suitability must be checked when discharge of electrical static build up is required.</p>
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-60°C to +260°C (-76°F to +500°F)
FIRE TEST	DIN 54837 with classification to DIN 5510-2 Convuluted PTFE

UNIGASKET

000000100 10SAP1010 101010000 100011111								DASH		MM	
								CODE	DASH	MM	MM
2020065729	SF3049	-3	4.9	7.32	276	4000	827	12000	50.8	0.89	
2020065730	SF3067	-4	6.7	8.84	224	3250	672	9750	76.2	0.78	
2020065731	SF3084	-5	8.4	10.54	207	3000	621	9000	101.6	0.64	
2020065732	SF3100	-6	10.0	12.14	183	2660	552	8000	127.0	0.64	
2020065733	SF3134	-8	13.4	15.90	161	2330	483	7000	152.4	0.89	
2020065734	SF3166	-10	16.6	18.95	114	1660	345	5000	177.8	0.89	
2020065735	SF3198	-12	19.8	22.15	103	1500	310	4500	203.2	0.89	
2020065736	SF3261	-16	26.1	28.45	80	1160	241	3500	304.8	1.02	

SUPER-CONVO

000000100 10SAP1010 101010000 100011111								DASH		MM	
								CODE	DASH	INCH	MM
2020065737	SF8004	-4	1/4	11.94	172	2500	517	7500			
2020065738	SF8006	-6	3/8	14.73	138	2000	414	6000			
2020065739	SF8008	-8	1/2	18.29	103	1500	310	4500			
2020065740	SF8010	-10	5/8	21.59	83	1200	248	3600			
2020065741	SF8012	-12	3/4	24.00	69	1000	207	3000			
2020065742	SF8016	-16	1	32.13	46	667	138	2000			
2020065743	SF8020	-20	1.1/4	39.00	34	500	103	1500			
2020065744	SF8024	-24	1.1/2	46.99	30	435	90	1300			
2020065745	SF8032	-32	2	58.67	23	329	69	1000			

ECOLOGY 2500 NAM



APPLICATIONS	Standard sewer cleaning vehicles and applications – Cleaning equipment used in high humidity environments
INNER TUBE	Polyethylene
REINFORCEMENT	Two braids of synthetic fibre
COVER	Polyurethane, orange, non pinpricked, black ink-jet branding
FEATURES	Orange cover bonded to braid reinforcement for better wear resistance and longevity – Available on long lengths – Excellent crush and cut resistance – Lightweight compared to rubber alternatives – Cover resistant against micro-biological attack – Reduced bend radius – Fast operating speeds
DESCRIPTION	Standard sewer cleaning hose, suitable for temperatures ranging from -40°C to +60°C (-40°F to +140°F). Hose specifically designed for working in humid conditions without degrading, ensuring increased lifetime. Available with BSP and / or NPT fitting combinations. Other end terminations upon request. Not suitable for hydraulic applications Factory made assemblies only, please contact our sales office for further details.
SAFETY FACTOR	2,5:1
TEMPERATURE RANGE	-40°C to +60°C (-40°F to +140°F)

branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - ECOLOGY 2500 NAM - SEWER CLEANING HOSE - <INCH SIZE> - <DN SIZE> - WP
<WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

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														MM	INCH	G/M	LBS/FT
CODE	DASH	INCH	DN	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT		
2020065746	1005	-8	1/2	DN12	13,00	0.512	22,20	0.874	175	2500	438	6250	75	2.95	280	0,188	
2020065747	1006	-10	5/8	DN16	16,30	0.642	26,00	1.024	175	2500	438	6250	100	3.94	340	0,228	
2020065748	1007	-12	3/4	DN20	19,60	0.772	30,00	1.181	175	2500	438	6250	120	4.72	410	0,276	
2020065749	1008	-16	1	DN25	25,60	1.008	37,60	1.480	175	2500	438	6250	155	6.10	645	0,433	
2020065750	1009	-20	1.1/4	DN32	32,40	1.276	46,00	1.811	175	2500	438	6250	240	9.45	880	0,591	

ECOLOGY 200 EL



APPLICATIONS	Standard sewer cleaning vehicles and applications – Cleaning equipment used in high humidity environments
INNER TUBE	Polyethylene
REINFORCEMENT	Two braids of synthetic fibre
COVER	Polyurethane, orange, non pinpricked, black ink-jet branding
FEATURES	Orange cover bonded to braid reinforcement for better wear resistance and longevity – Available on long lengths – Excellent crush and cut resistance – Lightweight compared to rubber alternatives – Cover resistant against micro-biological attack – Reduced bend radius – Fast operating speeds
DESCRIPTION	Standard sewer cleaning hose, suitable for temperatures ranging from -40°C to +60°C (-40°F to +140°F). Hose specifically designed for working in humid conditions without degrading, ensuring increased lifetime. Available with BSP and / or NPT fitting combinations. Other end terminations upon request. Not suitable for hydraulic applications Factory made assemblies only, please contact our sales office for further details.
SAFETY FACTOR	2,5:1
TEMPERATURE RANGE	-40°C to +60°C (-40°F to +140°F)

branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - ECOLOGY 200 EL - SEWER CLEANING HOSE - <INCH SIZE> - <DN SIZE>

- WP <WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

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2020065767		1015	-8	1/2	DN12	13,00	0.512	22,20	0.874	200	2900	500	7250	75	2.95	280	0,188
2020065768		1016	-10	5/8	DN16	16,30	0.642	26,00	1.024	200	2900	500	7250	100	3.94	340	0,228
2020065769		1017	-12	3/4	DN20	19,60	0.772	30,00	1.181	200	2900	500	7250	120	4.72	410	0,276
2020065770		1018	-16	1	DN25	25,60	1.008	37,60	1.480	200	2900	500	7250	155	6.10	645	0,433
2020065771		1019	-20	1.1/4	DN32	32,40	1.276	46,00	1.811	200	2900	500	7250	240	9.45	880	0,591

ECOLOGY 210 HD



APPLICATIONS	Standard sewer cleaning vehicles and applications – Cleaning equipment used in high humidity environments
INNER TUBE	Polyethylene
REINFORCEMENT	One or two braids of synthetic fibre plus one special extra braid of synthetic fibre for cover integration
COVER	Polyurethane, blue, non pinpricked, black ink-jet branding
FEATURES	Blue cover, impregnated into braid reinforcement for optimum wear resistance and longevity – Available on long lengths – Excellent crush and cut resistance – Lightweight compared to rubber alternatives – Cover resistant against micro-biological attack – Reduced bend radius – Fast operating speeds
DESCRIPTION	Extremely wear resistant, heavy duty sewer cleaning hose, suitable for temperatures ranging from -40°C to +60°C (-40°F to +140°F). Hose specifically designed for working in humid conditions without degrading, ensuring increased lifetime. Available with BSP and / or NPT fitting combinations. Other end terminations upon request Not suitable for hydraulic applications Factory made assemblies only, please contact our sales office for further details.
SAFETY FACTOR	2,5:1
TEMPERATURE RANGE	-40°C to +60°C (-40°F to +140°F)

branding on this product:

**STAUFF FLEX - TO INDUSTRIAL - <PART No> - ECOLOGY 210 HD - SEWER CLEANING HOSE - <INCH SIZE> - <DN SIZE> -
- WP <WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>**

000000100 10SAP1010 101010000 100011111								CODE		DASH		INCH		DN		MM		INCH		BAR		PSI		MM		INCH		G/M		LBS/FT	
								1107	1108	1109	1107	1108	1109	1107	1108	1109	1107	1108	1109	1107	1108	1109	1107	1108	1109	1107	1108	1109	1107	1108	1109
2020065772	1107	-12	3/4	DN20	19,60	0.772	31,50	1.240	210	3000	525	7500	120	4.72	500	0,336															
2020065773	1108	-16	1	DN25	25,60	1.008	38,70	1.524	210	3000	525	7500	155	6.10	695	0,467															
2020065092	1109	-20	1.1/4	DN32	32,40	1.276	46,70	1.839	210	3000	525	7500	240	9.45	940	0,632															

ECOLOGY 250 HD



APPLICATIONS	Modern sewer cleaning vehicles and applications requiring long lengths, high working pressure and low pressure drop – Equipment used in high humidity environments
INNER TUBE	Polyethylene
REINFORCEMENT	One or two braids of aramid or synthetic fibre plus one special extra braid of synthetic fibre for cover integration
COVER	Polyurethane, red, non pinpricked, black ink-jet branding
FEATURES	Red cover, impregnated into braid reinforcement for optimum wear resistance and longevity – Excellent crush and cut resistance – Available on long lengths – Even more lightweight – Cover resistant against micro-biological attack – Reduced bend radius – Fast operating speeds – Low pressure drop
DESCRIPTION	Heavy duty sewer cleaning hose, suitable for 250 bar and temperatures ranging from -40°C to +60°C (-40°F to +140°F). Hose specifically designed for working in humid conditions without degrading, ensuring increased lifetime. Available with BSP and / or NPT fitting combinations. Other end terminations upon request. Not suitable for hydraulic applications. Factory made assemblies only, please contact our sales office for further details.
SAFETY FACTOR	2,5:1
TEMPERATURE RANGE	-40°C to +60°C (-40°F to +140°F)

branding on this product:

**STAUFF FLEX - TO INDUSTRIAL - <PART No> - ECOLOGY 250 HD - SEWER CLEANING HOSE - <INCH SIZE> - <DN SIZE> -
WP <WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>**

	CODE	DASH	INCH	DN		MM		INCH		BAR		PSI		R		G/M		LBS/FT	
				MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT				
2020065774	1135	-8	1/2	DN12	13,00	0.512	22,80	0.898	250	3600	625	9000	75	2.95	295	0,198			
2020065775	1137	-12	3/4	DN20	19,60	0.772	30,30	1.193	250	3600	625	9000	120	4.72	450	0,302			
2020065776	1138	-16	1	DN25	25,60	1.008	37,90	1.492	250	3600	625	9000	155	6.10	640	0,430			
2020065777	1139	-20	1.1/4	DN32	32,40	1.276	45,30	1.783	250	3600	625	9000	240	9.45	860	0,578			

ECOLOGY 2500 LT LATERAL SEWER CLEANING HOSES



APPLICATIONS	Compact sewer cleaning vehicles and equipment for cleaning smaller residential and commercial lines
INNER TUBE	Polyester elastomer
REINFORCEMENT	One braid of synthetic fibre
COVER	Polyurethane, black, pinpricked, white ink-jet branding
FEATURES	Abrasion resistant – Compact – Lightweight and extremely flexible – Kink resistant – Polyester braid design – Black cover resistant to humid working conditions to increase lifetime
DESCRIPTION	Hose suitable for lateral cleaning applications, requiring medium high pressure performance and high flexibility for cleaning the smaller sewer pipes. Also available as factory made assemblies, please contact our sales office for further details.
SAFETY FACTOR	2,5:1
TEMPERATURE RANGE	-40°C to +60°C (-40°F to +140°F)

branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - ECOLOGY 2500 LT - LATERAL SEWER CLEANING HOSE - <INCH SIZE> - <DN SIZE> - WP <WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

	CODE	DASH	INCH	DN		MM		INCH		BAR		PSI		MM		INCH		G/M		LBS/FT	
				MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT						
2020065778	1171	-3	3/16	DN5	5,00	0.197	8,50	0.335	175	2500	440	6250	25	0.98	45	0,030					
2020065779	1172	-4	1/4	DN6	6,50	0.256	10,60	0.417	175	2500	440	6250	40	1.57	65	0,044					

ECOLOGY 3000 LT LATERAL SEWER CLEANING HOSES



APPLICATIONS	Compact sewer cleaning vehicles and equipment for cleaning smaller residential, commercial and industrial lateral sewer lines, used as connection to the main sewer line
INNER TUBE	Polyester elastomer
REINFORCEMENT	Two braids of synthetic fibre
COVER	Polyurethane, black, pinpricked, white ink-jet branding
FEATURES	Abrasion resistant – Compact – Lightweight and extremely flexible – Kink resistant – 2 polyester braid design – Black cover resistant to humid working conditions to increase lifetime
DESCRIPTION	Hose suitable for lateral cleaning applications, requiring high pressure performance and high flexibility for cleaning the smaller sewer pipes. Also available as factory made assemblies, please contact our sales office for further details.
SAFETY FACTOR	2,5:1
TEMPERATURE RANGE	-40°C to +60°C (-40°F to +140°F)

branding on this product:

**STAUFF FLEX - TO INDUSTRIAL - <PART No> - ECOLOGY 3000 LT - LATERAL SEWER CLEANING HOSE - <INCH SIZE> - <DN SIZE> -
WP <WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>**

	CODE	DASH	INCH	DN		MM		INCH		BAR		PSI		R		G/M		LBS/FT	
				MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT				
2020065780	1184	-6	3/8	DN10	9,70	0.382	16,00	0.630	210	3000	525	7500	55	2.17	145	0,097			
2020065781	1185	-8	1/2	DN12	13,00	0.512	20,30	0.799	210	3000	525	7500	75	2.95	220	0,148			

ECOLOGY 4000 LT LATERAL SEWER CLEANING HOSES



APPLICATIONS	Compact sewer cleaning vehicles and equipment for cleaning smaller residential, commercial and industrial lateral sewer lines, used as connection to the main sewer line
INNER TUBE	Polyester elastomer
REINFORCEMENT	One or two braids of synthetic fibre
COVER	Polyurethane, lime green, non pinpricked, black ink-jet branding
FEATURES	Lightweight and extremely flexible – Kink resistant – Reinforced 2 polyester braid design – Oversized lime green cover resistant to humid working conditions to increase lifetime and wear resistance
DESCRIPTION	Hose suitable for lateral cleaning applications, requiring very high pressure performance and high flexibility for cleaning the smaller sewer pipes. Also available as factory made assemblies, please contact our sales office for further details.
SAFETY FACTOR	3:1
TEMPERATURE RANGE	-40°C to +60°C (-40°F to +140°F)

branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - ECOLOGY 4000 LT - LATERAL SEWER CLEANING HOSE - <INCH SIZE> - <DN SIZE> - WP <WP bar> bar / <WP psi> psi - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

000000100 10SAP1010 101010000 100011111								BAR		PSI		MM		INCH		G/M		LBS/FT	
								DASH	INCH	DN	MM	INCH	MM	INCH	BAR	PSI	MM	INCH	G/M
2020065782	1191	-3	3/16	DN5	5,00	0.197	10,40	0.409	280	4000	840	12000	25	0.98	75	0,050			
2020065783	1192	-4	1/4	DN6	6,50	0.256	12,90	0.508	280	4000	840	12000	35	1.38	115	0,077			
2020065784	1194	-6	3/8	DN10	9,70	0.382	17,50	0.689	280	4000	840	12000	45	1.77	190	0,128			
2020065785	1195	-8	1/2	DN12	13,00	0.512	23,70	0.933	280	4000	840	12000	70	2.76	345	0,232			

POWER WASH



APPLICATIONS	Water cleaning applications such as hobby power washers, or self-service car-wash stations
INNER TUBE	Thermoplastic polymer
REINFORCEMENT	One braid of synthetic fibre
COVER	Thermoplastic polymer, blue, non pinpricked, black ink-jet branding
FEATURES	Lightweight – Compact design – High flexibility – Abrasion resistant
DESCRIPTION	Medium pressure service hose suitable for connection between water pump and washing gun. The textile reinforcement makes this hose extremely lightweight and flexible, while still resistant to water pressure and abrasion. The lightweight and the pressure rating of this hose make this product the ideal choice for hobby power washers, or self-service car-wash stations.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-20°C to +60°C (-4°F to +140°F)
	Also available as factory made assemblies, please contact our sales office for further details.

branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - POWER WASH - <INCH SIZE> - <DN SIZE> - WP <WP bar> bar / <WP psi> psi - WARNING: NOT SUITABLE FOR HOT WATER OR STEAM - MAX WATER TEMP 60 C / 140 F - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

	CODE	DASH	INCH	DN		MM		INCH		BAR		PSI		R		G/M		LBS/FT	
				MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT				
2020065786	09B1	-3	3/16	DN5	5,00	0.197	9,50	0.374	140	2000	560	8000	25	0.98	70	0,047			
2020065787	09B2	-4	1/4	DN6	6,50	0.256	11,80	0.465	140	2000	560	8000	40	1.57	100	0,067			
2020065788	09B3	-5	5/16	DN8	8,10	0.319	13,90	0.547	140	2000	560	8000	45	1.77	130	0,087			

POWER WASH BLUE



APPLICATIONS

INNER TUBE

REINFORCEMENT

COVER

FEATURES

DESCRIPTION

Water cleaning applications such as hobby power washers, or self-service car-wash stations

Thermoplastic polymer

One braid of synthetic fibre

Thermoplastic polymer, black, non pinpricked, white ink-jet branding

Lightweight – Compact design – High flexibility – Abrasion resistant

Medium pressure service hose suitable for connection between water pump and washing gun. The textile reinforcement makes this hose extremely lightweight and flexible, while still resistant to water pressure and abrasion. The lightweight and the pressure rating of this hose make this product the ideal choice for hobby power washers, or self-service car-wash stations.

Also available as factory made assemblies, please contact our sales office for further details.

SAFETY FACTOR

4:1

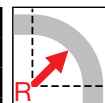
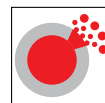
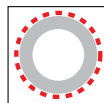
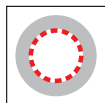
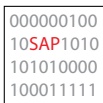
TEMPERATURE RANGE

-20°C to +60°C (-4°F to +140°F)

branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - POWER WASH - <INCH SIZE> - <DN SIZE> - WP <WP bar> bar / <WP psi> psi -

WARNING: NOT SUITABLE FOR HOT WATER OR STEAM - MAX WATER TEMP 60 C / 140 F - MADE IN ITALY - www.stauff.co.uk - <BATCH No>



	CODE	DASH	INCH	DN	MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT
2020065789	0931	-3	3/16	DN5	5,00	0.197	9,50	0.374	140	2000	560	8000	25	0.98	70	0,047
2020065790	0932	-4	1/4	DN6	6,50	0.256	11,80	0.465	140	2000	560	8000	40	1.57	100	0,067
2020065791	0933	-5	5/16	DN8	8,10	0.319	13,90	0.547	140	2000	560	8000	45	1.77	130	0,087

POWER WASH STEEL



APPLICATIONS	Water cleaning applications such as professional power washers, car-wash stations, including self-service car-wash stations
INNER TUBE	Thermoplastic polymer
REINFORCEMENT	One braid steel wire
COVER	Thermoplastic polymer, black, non pinpricked, white ink-jet branding
FEATURES	Rugged construction for HD application and prolonged lifetime – Lightweight – Compact design – High flexibility – Abrasion resistant
DESCRIPTION	High pressure service hose suitable for connection between water pump and washing gun. The steel reinforcement makes this hose extremely resistant, but still lightweight if compared with rubber alternatives. The construction and the pressure rating of this hose make this product the ideal choice for professional power washers, or self-service car-wash stations. Also available as factory made assemblies, please contact our sales office for further details.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-20°C to +60°C (-4°F to +140°F)

branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - POWER WASH STEEL - <INCH SIZE> - <DN SIZE> - WP <WP bar> bar / <WP psi> psi -

WARNING: NOT SUITABLE FOR HOT WATER OR STEAM - MAX WATER TEMP 60 C / 140 F - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

	CODE	DASH	INCH	DN		MM		INCH		BAR		PSI		R		G/M		LBS/FT	
				MM	INCH	MM	INCH	BAR	PSI	BAR	PSI	MM	INCH	G/M	LBS/FT				
2020065792	0792	-4	1/4	DN6	6,40	0.252	11,90	0.469	280	4000	1120	16000	40	1.57	160	0,108			
2020065793	0793	-5	5/16	DN8	8,10	0.319	13,60	0.535	210	3000	840	12000	55	2.17	205	0,138			
2020065794	0794	-6	3/8	DN10	9,80	0.386	16,10	0.634	210	3000	840	12000	65	2.56	255	0,171			

POWER WASH STEEL BLUE



APPLICATIONS	Water cleaning applications such as professional power washers, car-wash stations, including self-service car-wash stations
INNER TUBE	Thermoplastic polymer
REINFORCEMENT	One braid steel wire
COVER	Thermoplastic polymer, blue, non pinpricked, black ink-jet branding
FEATURES	Rugged construction for HD application and prolonged lifetime – Lightweight – Compact design – High flexibility – Abrasion resistant
DESCRIPTION	High pressure service hose suitable for connection between water pump and washing gun. The steel reinforcement makes this hose extremely resistant, but still lightweight if compared with rubber alternatives. The construction and the pressure rating of this hose make this product the ideal choice for professional power washers, or self-service car-wash stations. Also available as factory made assemblies, please contact our sales office for further details.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-20°C to +60°C (-4°F to +140°F)

branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - POWER WASH STEEL - <INCH SIZE> - <DN SIZE> - WP <WP bar> bar / <WP psi> psi -
WARNING: NOT SUITABLE FOR HOT WATER OR STEAM - MAX WATER TEMP 60 C / 140 F - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

000000100 10SAP1010 101010000 100011111								DASH		INCH		DN		MM		INCH		BAR		PSI		G/M		LBS/FT	
2020065795	07B2	-4	1/4	DN6	6,40	0.252	11,90	0.469	280	4000	1120	16000	40	1.57	160	0,108									
2020065796	07B3	-5	5/16	DN8	8,10	0.319	13,60	0.535	210	3000	840	12000	55	2.17	205	0,138									
2020065797	07B4	-6	3/8	DN10	9,80	0.386	16,10	0.634	210	3000	840	12000	65	2.56	255	0,171									

WATER DELIVERY



APPLICATIONS	Water supply to remote and / or mountainous areas with a difference in altitude
INNER TUBE	Polyester elastomer
REINFORCEMENT	Two braids of synthetic fibre
COVER	Polyurethane, black, pinpricked, white ink-jet branding
FEATURES	Flavour free materials, suitable for food applications – Long lengths – Lightweight compared to rubber hose alternatives
DESCRIPTION	Water delivery hose, available on long lengths up to 300 meters / 1000 feet for high pressure pumping installations, where high pressure is needed to reach higher altitude. The flavour free inner tube, suitable for food applications, eliminates possible contamination of drinking water and ensures longevity. The constituents of the hose liner conform to certain FDA and EC regulations concerning articles for food contact.
SAFETY FACTOR	4:1
TEMPERATURE RANGE	-40°C to +60°C (-40°F to +140°F)

branding on this product:

STAUFF FLEX - TO INDUSTRIAL - <PART No> - POWER WASH - <INCH SIZE> - <DN SIZE> - WP <WP bar> bar / <WP psi> psi -
WARNING: NOT SUITABLE FOR HOT WATER OR STEAM - MAX WATER TEMP 60 C / 140 F - MADE IN ITALY - www.stauff.co.uk - <BATCH No>

	CODE	DASH	INCH	DN	MM		INCH		BAR		PSI		MM		INCH		G/M	LBS/FT
					MM	INCH	BAR	PSI	MM	INCH	MM	INCH						
2020065798	1295	-8	1/2	DN12	13,00	0.512	20,30	0.799	140	2000	560	8000	75	2.95	220	0,148		
2020065799	1296	-10	5/8	DN16	16,30	0.642	23,70	0.933	105	1500	420	6000	110	4.33	290	0,195		
2020065800	1297	-12	3/4	DN20	19,50	0.768	27,10	1.067	90	1300	360	5200	140	5.51	335	0,225		
2020065801	1298	-16	1	DN25	25,90	1.020	34,00	1.339	70	1000	280	4000	190	7.48	450	0,302		

Our Service to the

Drainage Industry

200 Bar (orange) & 210 Bar (Blue)

Thermoplastic Sewer Jetting Hose
available in 50m, 100m and 120m lengths with ends

Heavy Duty 250 Bar Rubber Sewer Flushing Hose
available in 120m lengths with ends

1/2" Drain Jetting Hose, 4000psi
300ft coils with ends

Microbore drain cleaning hose assemblies

1100 Bar and 1450 Bar
rubber water blast hose assemblies

**All available
ex-Stock**



**A full range of Ultra High Pressure
Water Jetting Hose Assemblies**
available on request

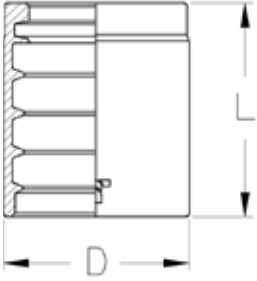
HOSE COUPLING FERRULES

Product group	Page
BP3 SWAGED NON SKIVE FERRULE	142
BX7 SWAGED NON SKIVE FERRULE	141
BX8 SWAGED NON SKIVE FERRULE	141
BXC SWAGED NON SKIVE FERRULE	136
BXS SWAGED SKIVE FERRULE	139
BXS1 SWAGED NON SKIVE FERRULE	138
BXSH SWAGED SKIVE FERRULE	140
BXT1 SWAGED NON SKIVE FERRULE	137
BXT2 SWAGED NON SKIVE FERRULE	132
EN456 4SH NON SKIVE FERRULE	143
EN456 4SH SKIVE FERRULE	144
EN856 R12 SAE 100 R12 NON SKIVE FERRULE	143
EN856 R12 SAE 100 R12 SKIVE FERRULE	144
EN856 SAE 100 R13 SKIVE FERRULE	145
SAE 100 R15 SKIVE FERRULE	145

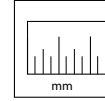
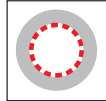
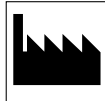


To view on-line



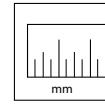
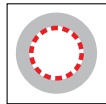
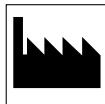
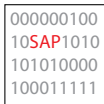
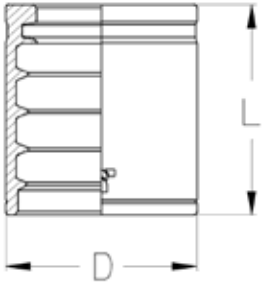
BXC SWAGED NON SKIVE FERRULE

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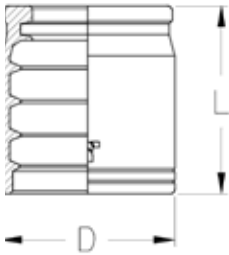


SAP Code	part number	DN	SIZE	INCH	D	L	APPLICATIONS
2020000773	BXC04	6	04	1/4"	19	23	1SC
2020065804	BXC05	8	05	5/16"	20	27,5	1SC
2020000774	BXC06	10	06	3/8"	23	30	1SC
2020000775	BXC08	12	08	1/2"	26,5	32	1SC
2020000776	BXC10	16	10	5/8"	29	35	1SC
2020000777	BXC12	19	12	3/4"	33	34	1SC
2020000778	BXC16	25	16	1"	42	45	1SC

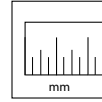
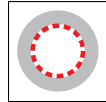
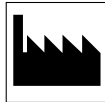
BXT1 SWAGED NON SKIVE FERRULE



SAP Code	part number	DN	SIZE	INCH	D	L	APPLICATIONS
2020030767	BXT103	5	03	3/16"	19	24	1SN, 1AT
2020030768	BXT104	6	04	1/4"	20	27	1SN, R1AT, 2SC
2020030769	BXT105	8	05	5/16"	22	27,5	1SN, R1AT, 2SC
2020030770	BXT106	10	06	3/8"	24,5	30	1SN, R1AT, 2SC
2020030771	BXT108	12	08	1/2"	28	32,5	1SN, R1AT, 2SC
2020030361	BXT110	16	10	5/8"	32	35	1SN, R1AT, 2SC
2020030772	BXT112	19	12	3/4"	36	40	1SN, R1AT, 2SC
2020030773	BXT116	25	16	1"	45	50	1SN, R1AT, 2SC
2020000779	BXT120	31	20	1.1/4"	54	50	1SN, R1AT
2020000780	BXT124	38	24	1.1/2"	62	55	1SN, R1AT
2020000781	BXT132	51	32	2"	76	60	1SN, R1AT

BXT2 SWAGED NON SKIVE FERRULE

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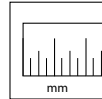
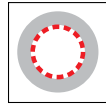
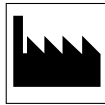


	CODE	DN	SIZE	INCH	D	L	APPLICATIONS
2020037767	BXT203	5	03	3/16"	20	24	2SN, R2AT
2020030775	BXT204	6	04	1/4"	22	26	2SN, R2AT, 1SN, R1AT, 2SC
2020030776	BXT205	8	05	5/16"	24	27,5	2SN, R2AT, 1SN, R1AT, 2SC
2020030777	BXT206	10	06	3/8"	26	30	2SN, R2AT, 1SN, R1AT, 2SC
2020030778	BXT208	12	08	1/2"	30	32,5	2SN, R2AT, 1SN, R1AT, 2SC
2020030779	BXT210	16	10	5/8"	34	35	2SN, R2AT, 1SN, R1AT, 2SC
2020030780	BXT212	19	12	3/4"	38	40	2SN, R2AT, 1SN, R1AT, 2SC
2020030781	BXT216	25	16	1"	48	50	2SN, R2AT
2020000782	BXT220	31	20	1.1/4"	60	57	2SN, R2AT
2020000783	BXT224	38	24	1.1/2"	67	62	2SN, R2AT
2020000784	BXT232	51	32	2"	80	66	2SN, R2AT

BXS SWAGED SKIVE FERRULE



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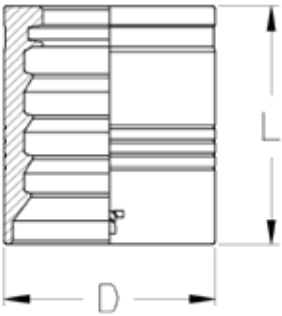
	CODE	DN	SIZE	INCH	D	L	APPLICATIONS
2020032834	BXS04	6	04	1/4"	22	30	4SP, R9R**
2020032835	BXS06	10	06	3/8"	26	32,5	4SP, R9R**, R12, 2ST, R2A
2020032836	BXS08	12	08	1/2"	30	35	4SP, R9R**, R12, 2ST, R2A
2020032837	BXS10	16	10	5/8"	34	38,5	4SP, R9R**, R12, 2ST, R2A
2020032830	BXS12	19	12	3/4"	38	43,5	4SP, R9R**, 4SH**, R12, 2ST, R2A
2020032838	BXS16	25	16	1"	46	54	4SP, R9R**, 4SH**, R12, 2ST, R2A
2020032839	BXS20	31	20	1.1/4"	56	61	4SP, R12, 2ST, R2A,
2020031981	BXS24	38	24	1.1/2"	65	68	4SP, R12, 2ST, R2A
2020032840	BXS32	51	32	2"	78	74	4SP



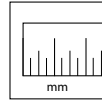
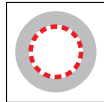
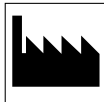
WARNING

** The application of **CX** series hose connectors must be limited to the **DIN856 4SP** maximum working pressure.

BXSH SWAGED SKIVE FERRULE



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	CODE	DN	SIZE	INCH	D	L	APPLICATIONS
2020033331	BXSH20	31	20	1.1/4"	54	61	R9R**, 4SH**
2020033332	BXSH24	38	24	1.1/2"	62	69	R9R**, 4SH**
2020033113	BXSH32	51	32	2"	76	74	R9R**, 4SH**, R12, 2ST, R2A



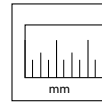
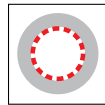
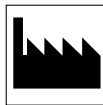
WARNING

** The application of **CX** series hose connectors must be limited to the **DIN856 4SP** maximum working pressure.

BX7 SWAGED NON SKIVE FERRULE

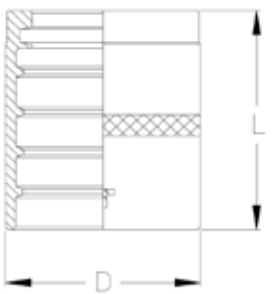


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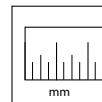
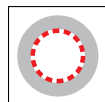


	CODE	DN	SIZE	INCH	D	L	APPLICATIONS
2020049270	BX703	5	03	3/16"	15,0	26,0	R7, R8
2020000728	BX704	6	04	1/4"	17,0	29,0	R7, R8
2020048005	BX705	8	05	5/16"	20,0	30,5	R6, R7, R8
2020048232	BX706	10	06	3/8"	22,0	32,0	R6, R7, R8
2020045543	BX708	12	08	1/2"	27,0	32,5	R6, R7, R8
2020050614	BX710	16	10	5/8"	31,0	37,0	R6, R7, R8
2020051971	BX712	20	12	3/4"	34,5	41,0	R6, R7, R8
2020050365	BX716	25	16	1"	40,0	50,0	R6, R7

BX8 SWAGED NON SKIVE FERRULE

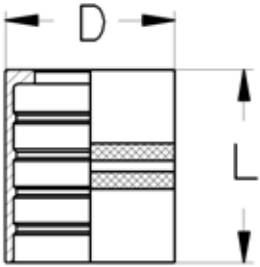


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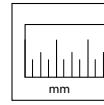
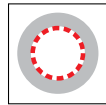
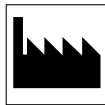


	CODE	DN	SIZE	INCH	D	L	APPLICATIONS
2020067029	BX816	25	16	1"	43,0	52,0	R8

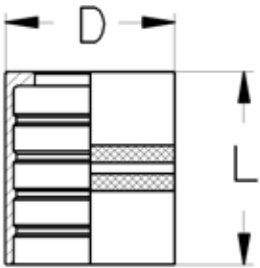
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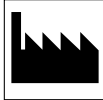
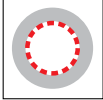
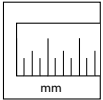
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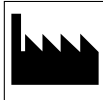
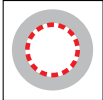
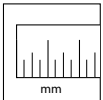
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2020065805	BP304	6	04	1/4"	19,0	29,0	R3
2020065806	BP305	8	05	5/16"	22,0	30,0	R3
2020000725	BP306	10	06	3/8"	24,0	31,0	R3
2020000726	BP308	12	08	1/2"	28,5	34,0	R3
2020065807	BP310	16	10	5/8"	32,0	36,0	R3
2020065808	BP312	20	12	3/4"	38,0	42,0	R3
2020065809	BP316	25	16	1"	46,0	50,0	R3
2020065810	BP320	32	20	1.1/4"	52,0	57,0	R3

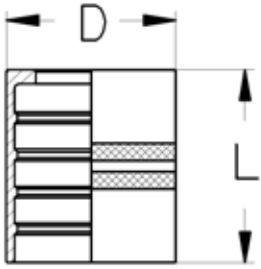


EN456 4SH NON SKIVE FERRULE

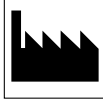
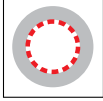
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				CODE	DN		
2020044853	BSN412	19	12	3/4"	35,5	4SH	SCS12
2020044635	BSN416	25	16	1"	42,1	4SH	SCS16
2020044852	BSN420	31	20	1.1/4"	50,6	4SH	SCS20
2020044851	BSN424	38	24	1.1/2"	60,0	4SH	SCS24
2020044850	BSN432	51	32	2"	73,8	4SH	SCS32

EN856 R12 SAE 100 R12 NON SKIVE FERRULE

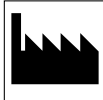
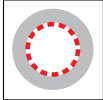
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				CODE	DN		
2020044853	BSN412	19	12	3/4"	34,6	R12	SCS12
2020044635	BSN416	25	16	1"	41,5	R12	SCS16
2020044852	BSN420	31	20	1.1/4"	51,9	R12	SCS20
2020044851	BSN424	38	24	1.1/2"	60,0	R12	SCS24
2020044850	BSN432	51	32	2"	72,5	R12	SCS32



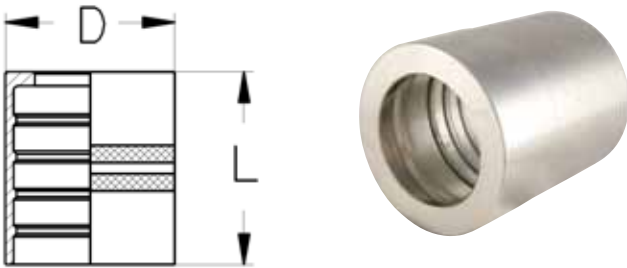
EN456 4SH SKIVE FERRULE

000000100 10SAP1010 101010000 100011111			SIZE		DIMENSIONS		APPLICATIONS	COLLAPSE CONTROL MANDREL
			DN	INCH	L	D		
2020044849	BSS412	19	12	3/4"	41,5	32,7	4SH	SCS12
2020044848	BSS416	25	16	1"	44,5	40,3	4SH	SCS16
2020044847	BSS420	31	20	1.1/4"	52,5	46,4	4SH	SCS20
2020044846	BSS424	38	24	1.1/2"	68,5	57,4	4SH	SCS24
2020044845	BSS432	51	32	2"	78,0	68,8	4SH	SCS32

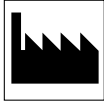
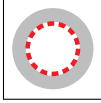
EN856 R12 SAE 100 R12 SKIVE FERRULE

000000100 10SAP1010 101010000 100011111			SIZE		DIMENSIONS		APPLICATIONS	COLLAPSE CONTROL MANDREL
			DN	INCH	L	D		
2020044849	BSS412	19	12	3/4"	41,5	32,1	R12	SCS12
2020044848	BSS416	25	16	1"	44,5	40,1	R12	SCS16
2020044847	BSS420	31	20	1.1/4"	52,5	48,0	R12	SCS20
2020044846	BSS424	38	24	1.1/2"	68,5	56,0	R12	SCS24
2020044845	BSS432	51	32	2"	78,0	69,1	R12	SCS32

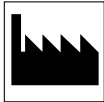
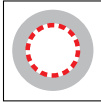
External Skive Only



EN856 R13 SAE 100 R13 SKIVE FERRULE

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			DN	INCH				
2020044849	BSS412	19	12	3/4"	41,5	33,2	R13	SCS12
2020044848	BSS416	25	16	1"	44,5	40,8	R13	SCS16
2020044847	BSS620	31	20	1.1/4"	53,0	51,3	R13	SCS20
2020044846	BSS624	38	24	1.1/2"	69,0	60,8	R13	SCS24
2020044845	BSS632	51	32	2"	78,0	75,7	R13	SCS32

SAE 100 R15 SKIVE FERRULE

		SIZE		L	D	APPLICATIONS	COLLAPSE CONTROL MANDREL
		DN	INCH				
2020044849	BSS412	19	12	41,5	33,2	R12	SCS12
2020044848	BSS416	25	16	44,5	40,8	R12	SCS16
2020044847	BSS620	31	20	53,0	51,3	R12	SCS20
2020044846	BSS624	38	24	69,0	60,8	R12	SCS24

External Skive Only



Hydraulics
online **24/7**

Stauff Webshop Hose Configurator

Specify the requirement for
your hose assemblies online

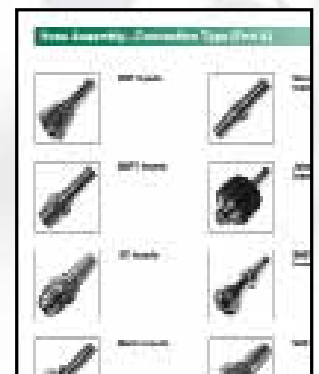
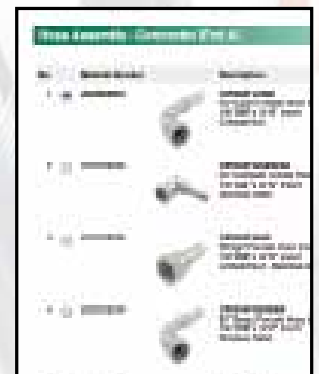
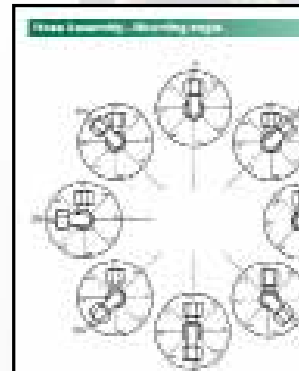
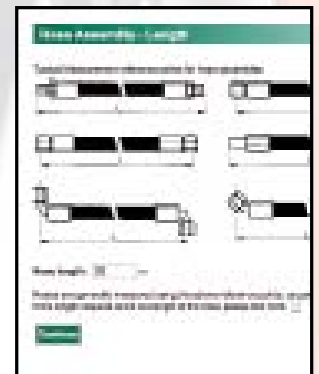
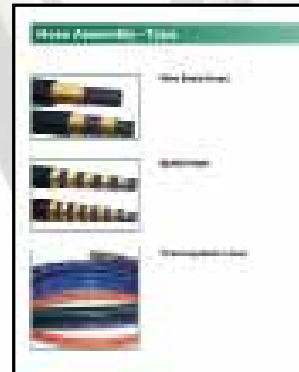
- Hose type
- Bore
- Length
- Connector type
- Ferrules
- Mounting angle
- Special requirements including:
Hose protection type, labelling,
testing and flushing requirements

*Availability of stock for your assembly
can be checked and an SAP number
applied for future ordering*

Contact us for your logon details:

webshop@stauff.co.uk

or call **0114 251 8518**



www.stauffwebshop.co.uk

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(*) HIGH PRESSURE RANGE OF PRODUCTS



To view on-line






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(*) HIGH PRESSURE RANGE OF PRODUCTS



		SAP CODE	SIZE mm	PACK SIZE pieces	TEMP
MICRO		2020073453	1 - 10	20	-25°C to +90°C
STD		2020067695	5 - 22	10	-25°C to +90°C
XL		2020067696	13 - 42	4	-25°C to +90°C

Available in 3 sizes - *remember the colour for the size you require!*

Service Plugs



Avoid costly spillages ... reusable ...
prevent contamination within the system ...
use on site or in the workshop

- For industrial use only
- Always clean the plug before reusing
- For non-pressurized systems and vacuum systems with low negative pressure
(Can be utilised in other industries: motor mechanics, plumbing)
- Keep out of reach of children
- Can be cut in length if too long for application

**NO TOOLS
REQUIRED:**

from

YELLOC

1 insert ...



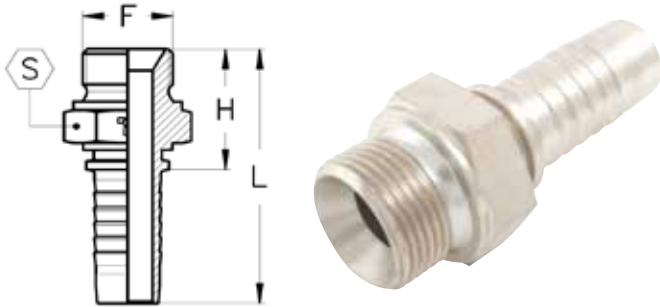
2 push ...



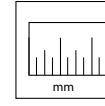
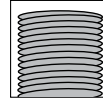
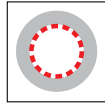
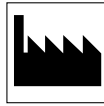
3 turn & push



AGR - BSP PARALLEL MALE - 60° CONE SEAT

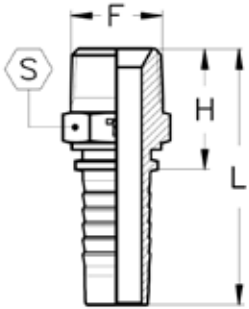


000000100
10SAP1010
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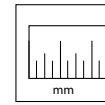
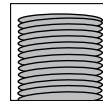
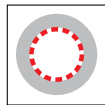


	CODE	DN	SIZE	INCH		H	L	S	BAR	PSI
2020052279	CX0302MG	5	03	3/16	1/8"-28	20	45	14	350	5000
2020051575	CX0304MG	5	03	3/16	1/4"-19	24	49	19	415	6000
2020045244	CX0402MG	6	04	1/4	1/8"-28	20	48	14	350	5000
2020044493	CX0404MG	6	04	1/4	1/4"-19	25	53	19	450	6500
2020044442	CX0406MG	6	04	1/4	3/8"-19	27	55	22	450	6500
2020044439	CX0408MG	6	04	1/4	1/2"-14	32	60	27	415	600
2020001038	CX0504MG	8	05	5/16	1/4"-19	25	53	19	350	5000
2020001053	CX0506MG	8	05	5/16	3/8"-19	27	55	22	350	5000
2020065831	CX0508MG	8	05	5/16	1/2"-14	32	60	27	350	5000
2020001099	CX0604MG	10	06	3/8	1/4"-19	25	55	19	445	6500
2020001122	CX0606MG	10	06	3/8	3/8"-19	27	58	22	445	6500
2020044433	CX0608MG	10	06	3/8	1/2"-14	32	62	27	415	6000
2020049935	CX0806MG	12	08	1/2	3/8"-19	28	61	22	415	6000
2020044239	CX0808MG	12	08	1/2	1/2"-14	33	66	27	415	6000
2020065832	CX0810MG	12	08	1/2	5/8"-14	35	68	30	350	5000
2020053138	CX0812MG	12	08	1/2	3/4"-14	36	69	32	350	5000
2020001353	CX1008MG	16	10	5/8	1/2"-14	33	69	27	350	5000
2020052814	CX1010MG	16	10	5/8	5/8"-14	35	71	30	350	5000
2020044854	CX1012MG	16	10	5/8	3/4"-14	36	72	32	350	5000
2020065833	CX1208MG	20	12	3/4	1/2"-14	34	74	27	350	5000
2020065834	CX1210MG	20	12	3/4	5/8"-14	36	76	30	350	5000
2020044507	CX1212MG	20	12	3/4	3/4"-14	37	77	32	350	5000
2020044703	CX1216MG	20	12	3/4	1"-11	42	82	41	280	4000
2020065835	CX1612MG	25	16	1	3/4"-14	38	89	32	280	4000
2020001605	CX1616MG	25	16	1	1"-11	43	94	41	280	4000
2020065836	CX1620MG	25	16	1	1.1/4"-11	46	97	50	250	3600
2020001687	CX2020MG	32	20	1.1/4	1.1/4"-11	47	105	50	210	3000
2020065837	CX2024MG	32	20	1.1/4	1.1/2"-11	50	108	55	210	3000
2020045181	CX2424MG	40	24	1.1/2	1.1/2"-11	50	115	55	185	2700
2020065838	CX2432MG	40	24	1.1/2	2"-11	55	119	70	185	2700
2020001789	CX3232MG	50	32	2	2"-11	56	126	70	175	2500

AGR-K - BSP TAPER MALE - 60° CONE SEAT

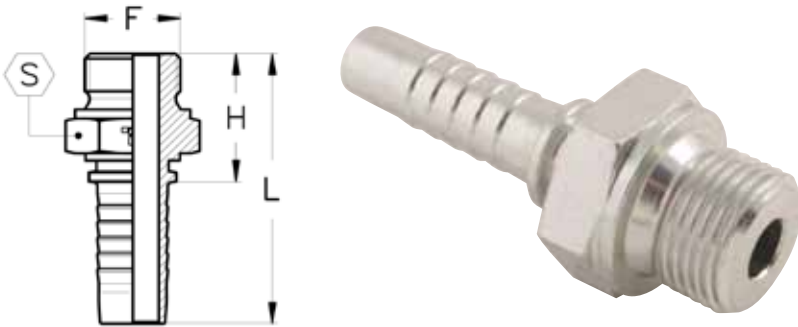


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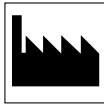


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2020050363	CX0302MGC	5	03	3/16	1/8"-28	20	45	12	350	5000
2020065839	CX0304MGC	5	03	3/16	1/4"-19	25	50	15	350	5000
2020045537	CX0402MGC	6	04	1/4	1/8"-28	21	49	12	350	5000
2020000944	CX0404MGC	6	04	1/4	1/4"-19	25	53	15	350	5000
2020000973	CX0406MGC	6	04	1/4	3/8"-19	26	54	19	280	4000
2020001039	CX0504MGC	8	05	5/16	1/4"-19	25	53	15	350	5000
2020001054	CX0506MGC	8	05	5/16	3/8"-19	26	54	19	280	4000
2020001100	CX0604MGC	10	06	3/8	1/4"-19	26	56	15	350	5000
2020001123	CX0606MGC	10	06	3/8	3/8"-19	27	57	19	280	4000
2020044433	CX0608MGC	10	06	3/8	1/2"-14	32	63	22	280	4000
2020001223	CX0806MGC	12	08	1/2	3/8"-19	28	64	19	280	4000
2020001256	CX0808MGC	12	08	1/2	1/2"-14	33	66	22	280	4000
2020001354	CX1008MGC	16	10	5/8	1/2"-14	33	69	22	280	4000
2020001404	CX1012MGC	16	10	5/8	3/4"-14	35	71	27	280	4000
2020001486	CX1212MGC	20	12	3/4	3/4"-14	36	77	27	280	4000
2020001517	CX1216MGC	20	12	3/4	1"-11	41	82	36	280	4000
2020001606	CX1616MGC	25	16	1	1"-11	43	94	36	280	4000
2020001627	CX1620MGC	25	16	1	1.1/4"-11	47	98	46	210	3000
2020001688	CX2020MGC	32	20	1.1/4	1.1/4"-11	48	106	46	210	3000
2020045544	CX2424MGC	40	24	1.1/2	1.1/2"-11	49	114	50	185	2700
2020044060	CX3232MGC	50	32	2	2"-11	57	127	65	175	2500

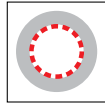
AGR-FLAT SEAT - BSP PARALLEL MALE - FLAT SEAT



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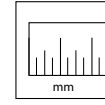
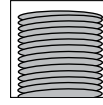


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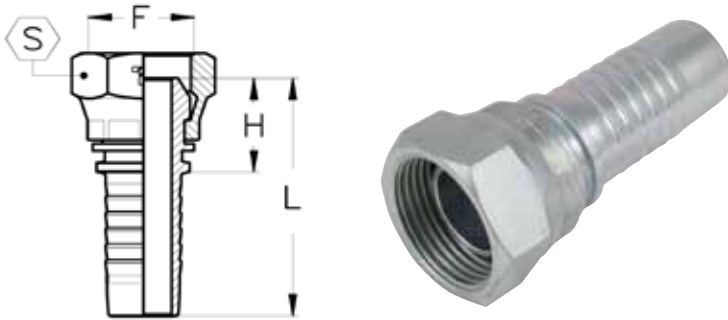


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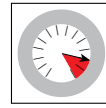
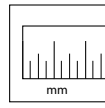
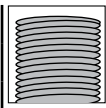
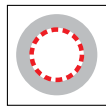
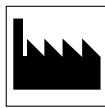
PSI

	CODE	DN	SIZE	INCH		H	L	S	BAR	PSI
2020066652	CX0404MGF	6	04	1/4	1/4"-19	25	53	19	450	6500
2020066653	CX0406MGF	6	04	1/4	3/8"-19	27	55	22	450	6500
2020066654	CX0506MGF	8	05	5/16	3/8"-19	27	55	22	350	5000
2020001124	CX0606MGF	10	06	3/8	3/8"-19	27	58	22	445	6500
2020066655	CX0608MGF	10	06	3/8	1/2"-14	32	62	27	415	6000
2020066656	CX0808MGF	12	08	1/2	1/2"-14	33	66	27	415	6000
2020066657	CX0810MGF	12	08	1/2	5/8"-14	35	68	30	350	5000
2020066658	CX0812MGF	12	08	1/2	3/4"-14	36	69	32	350	5000
2020066659	CX1010MGF	16	10	5/8	5/8"-14	35	71	30	350	5000
2020066660	CX1012MGF	16	10	5/8	3/4"-14	36	72	32	350	5000
2020066661	CX1212MGF	20	12	3/4	3/4"-14	37	77	32	350	5000
2020066662	CX1216MGF	20	12	3/4	1"-11	42	82	41	280	4000
2020066663	CX1616MGF	25	16	1	1"-11	43	94	41	280	4000
2020066664	CX2020MGF	32	20	1.1/4	1.1/4"-11	47	105	50	210	3000

DKR - BSP STRAIGHT FEMALE - 60° CONE

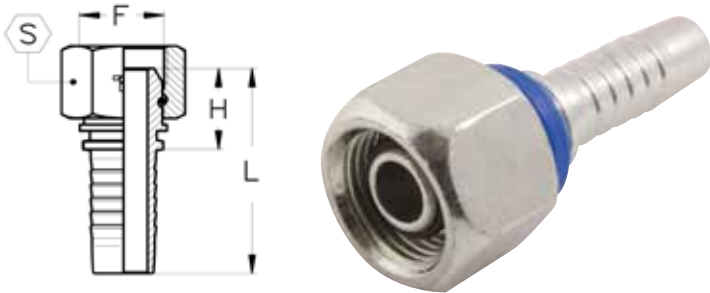


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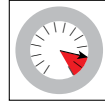
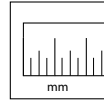
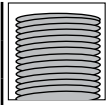
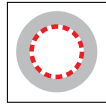
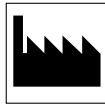


	CODE	DN	SIZE	INCH	F	H	L	S	BAR	PSI
2020047737	CX0302FGP	5	03	3/16	1/8"-28	16	41	14	350	5000
2020051022	CX0304FGP	5	03	3/16	1/4"-19	19	44	19	415	6000
2020044594	CX0402FGP	6	04	1/4	1/8"-28	17	45	14	350	5000
2020046668	CX0404FGP	6	04	1/4	1/4"-19	19	47	19	450	6500
2020000959	CX0406FGP	6	04	1/4	3/8"-19	22	50	22	450	6500
2020000983	CX0408FGP	6	04	1/4	1/2"-14	23	51	27	450	6500
2020048234	CX0504FGP	8	05	5/16	1/4"-19	19	47	19	350	5000
2020001045	CX0506FGP	8	05	5/16	3/8"-19	22	50	22	350	5000
2020001064	CX0508FGP	8	05	5/16	1/2"-14	23	51	27	350	5000
2020045545	CX0604FGP	10	06	3/8	1/4"-19	19	49	19	445	6500
2020045671	CX0606FGP	10	06	3/8	3/8"-19	21	51	22	445	6500
2020001136	CX0608FGP	10	06	3/8	1/2"-14	23	54	27	415	6000
2020001219	CX0806FGP	12	08	1/2	3/8"-19	22	56	22	415	6000
2020046771	CX0808FGP	12	08	1/2	1/2"-14	23	56	27	415	6000
2020001263	CX0810FGP	12	08	1/2	5/8"-14	24	57	30	350	5000
2020001283	CX0812FGP	12	08	1/2	3/4"-14	27	60	32	350	5000
2020047626	CX1008FGP	16	10	5/8	1/2"-14	23	59	27	350	5000
2020001361	CX1010FGP	16	10	5/8	5/8"-14	23	59	30	350	5000
2020001386	CX1012FGP	16	10	5/8	3/4"-14	27	63	32	350	5000
2020001438	CX1208FGP	20	12	3/4	1/2"-14	24	65	27	350	5000
2020066678	CX1210FGP	20	12	3/4	5/8"-14	24	64	30	350	5000
2020046772	CX1212FGP	20	12	3/4	3/4"-14	27	67	32	350	5000
2020001500	CX1216FGP	20	12	3/4	1"-11	30	70	41	280	4000
2020047665	CX1612FGP	25	16	1	3/4"-14	28	79	32	280	4000
2020045238	CX1616FGP	25	16	1	1"-11	30	81	41	280	4000
2020001614	CX1620FGP	25	16	1	1.1/4"-11	35	86	50	250	3600
2020051507	CX2020FGP	32	20	1.1/4	1.1/4"-11	34	92	50	210	3000
2020001694	CX2024FGP	32	20	1.1/4	1.1/2"-11	36	93	55	210	3000
2020001731	CX2424FGP	40	24	1.1/2	1.1/2"-11	34	99	55	185	2700
2020066679	CX2432FGP	40	24	1.1/2	2"-11	39	103	70	185	2700
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DKR - BS 5200 - BSP STRAIGHT FEMALE - 60° CONE

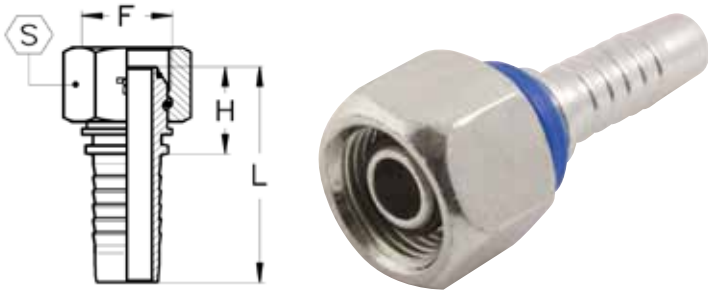


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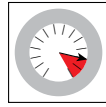
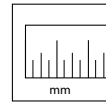
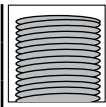
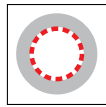
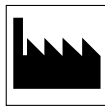


	CODE	DN	SIZE	INCH	F	H	L	S	BAR	PSI
2020051606	CX0404FGL	6	04	1/4	1/4"-19	19	47	19	450	6500
2020051607	CX0406FGL	6	04	1/4	3/8"-19	19	47	22	450	6500
2020051608	CX0506FGL	8	05	5/16	3/8"-19	19	47	22	350	5000
2020051609	CX0606FGL	10	06	3/8	3/8"-19	19	50	22	445	6500
2020051610	CX0608FGL	10	06	3/8	1/2"-14	21	52	27	415	6000
2020051611	CX0808FGL	12	08	1/2	1/2"-14	22	55	27	415	6000
2020051612	CX0810FGS	12	08	1/2	5/8"-14	24	57	30	350	5000
2020051613	CX1010FGS	16	10	5/8	5/8"-14	23	59	30	350	5000
2020051614	CX1012FGS	16	10	5/8	3/4"-14	27	63	32	350	5000
2020051615	CX1212FGS	20	12	3/4	3/4"-14	27	67	32	350	5000
2020051616	CX1216FGS	20	12	3/4	1"-11	31	72	41	280	4000
2020051617	CX1616FGS	25	16	1	1"-11	31	82	41	280	4000

DKOR - BSP STRAIGHT FEMALE - 60° O'RING CONE



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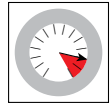
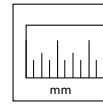
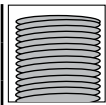
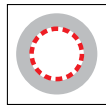
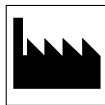


	CODE	DN	SIZE	INCH		H	L	S	O'RING	BAR	PSI
2020000929	CX0404FGOL	6	04	1/4	1/4"-19	22	50	19	6,5x1	450	6500
2020065840	CX0406FGOL	6	04	1/4	3/8"-19	24	52	22	8,5x1,5	450	6500
2020065841	CX0506FGOL	8	05	5/16	3/8"-19	24	52	22	8,5x1,5	350	5000
2020044485	CX0606FGOL	10	06	3/8	3/8"-19	24	54	22	8,5x1,5	445	6500
2020065842	CX0608FGOL	10	06	3/8	1/2"-14	26	56	27	11,5x1,5	415	6000
2020048233	CX0808FGOL	12	08	1/2	1/2"-14	26	59	27	11,5x1,5	415	6000
2020065843	CX0810FGOS	12	08	1/2	5/8"-14	26	59	30	13x1,5	350	5000
2020051929	CX1010FGOS	16	10	5/8	5/8"-14	25	61	30	13x1,5	350	5000
2020050620	CX1012FGOS	16	10	5/8	3/4"-14	28	64	32	17x1,5	350	5000
2020051487	CX1212FGOS	20	12	3/4	3/4"-14	28	68	32	17x1,5	350	5000
2020065844	CX1216FGOS	20	12	3/4	1"-11	32	73	41	22x1,5	280	4000
2020051891	CX1616FGOS	25	16	1	1"-11	32	83	41	22x1,5	280	4000
2020065845	CX1620FGOS	25	16	1	1.1/4"-11	37	88	50	28,3x1,78	250	3600
2020065846	CX2020FGOS	32	20	1.1/4	1.1/4"-11	36	94	50	28,3x1,78	210	3000
2020065847	CX2024FGOS	32	20	1.1/4	1.1/2"-11	39	97	55	33,05x1,78	210	3000
2020001734	CX2424FGOS	40	24	1.1/2	1.1/2"-11	38	102	55	33,05x1,78	185	2700
2020065849	CX2432FGOS	40	24	1.1/2	2"-11	41	105	70	44,17x1,78	185	2700
2020037733	CX3232FGOS	50	32	2	2"-11	40	110	70	44,17x1,78	175	2500

DKR - JIS BSP STRAIGHT FEMALE (NISSAN) 60° CONE SEAT

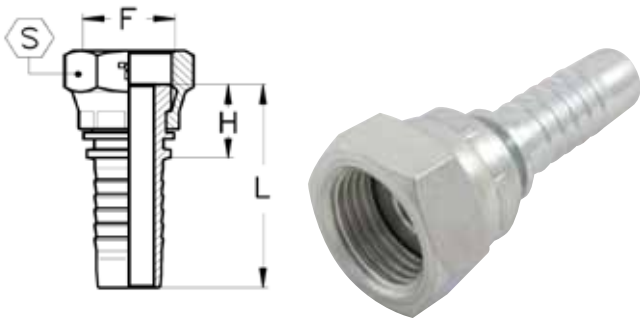


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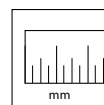
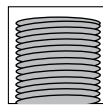
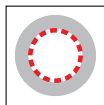
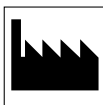


	CODE	DN	SIZE	INCH		H	L	S	S1	BAR	PSI
2020066665	CX0304FGCP	5	03	3/16	1/4"-19	23	48	19	14	415	6000
2020066666	CX0404FGCP	6	04	1/4	1/4"-19	24	52	19	14	450	6500
2020066667	CX0406FGCP	6	04	1/4	3/8"-19	26	54	22	17	450	6500
2020066668	CX0506FGCP	8	05	5/16	3/8"-19	26	54	22	17	350	5000
2020066669	CX0606FGCP	10	06	3/8	3/8"-19	26	57	22	17	445	6500
2020066670	CX0608FGCP	10	06	3/8	1/2"-14	29	60	27	22	415	6500
2020066671	CX0808FGCP	12	08	1/2	1/2"-14	30	63	27	22	415	6000
2020066672	CX1012FGCP	16	10	5/8	3/4"-14	35	71	32	27	350	5000
2020066673	CX1212FGCP	20	12	3/4	3/4"-14	36	76	32	27	350	5000
2020066674	CX1616FGCP	25	16	1	1"-11	40	91	41	32	280	4000
2020066675	CX2020FGCP	32	20	1.1/4	1.1/4"-11	46	104	50	41	210	3000
2020066676	CX2424FGCP	40	24	1.1/2	1.1/2"-11	47	112	55	46	185	2700
2020066677	CX3232FGCP	50	32	2	2"-11	53	123	70	60	175	2500

DKR - BSP STRAIGHT MALE - FLAT SEAT

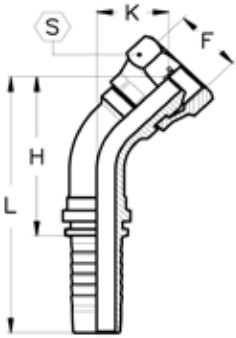


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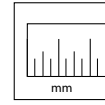
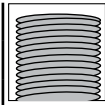
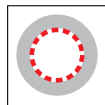
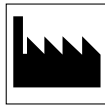


	CODE	DN	SIZE	INCH		H	L	S	BAR	PSI
2020000934	CX0404FGFP	6	04	1/4	1/4"-19	15	43	19	450	6500
2020051445	CX0406FGFP	6	04	1/4	3/8"-19	18	46	22	450	6500
2020065850	CX0506FGFP	8	05	5/16	3/8"-19	18	46	22	350	5000
2020001112	CX0606FGFP	10	06	3/8	3/8"-19	17	47	22	445	6500
2020001140	CX0608FGFP	10	06	3/8	1/2"-14	19	49	27	415	6000
2020001239	CX0808FGFP	12	08	1/2	1/2"-14	19	52	27	415	6000
2020065851	CX0810FGFP	12	08	1/2	5/8"-14	21	54	30	350	5000
2020001286	CX0812FGFP	12	08	1/2	3/4"-14	23	56	32	350	5000
2020065852	CX1010FGFP	16	10	5/8	5/8"-14	20	56	30	350	5000
2020001389	CX1012FGFP	16	10	5/8	3/4"-14	23	59	32	350	5000
2020045541	CX1212FGFP	20	12	3/4	3/4"-14	22	63	32	350	5000
2020065853	CX1216FGFP	20	12	3/4	1"-11	25	65	41	280	4000
2020065854	CX1616FGFP	25	16	1	1"-11	25	76	41	280	4000
2020051419	CX2020FGFP	32	20	1.1/4	1.1/4"-11	28	90	50	210	3000

DKR45 - 45° BSP SWEPT ELBOW - 60° CONE



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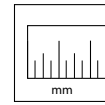
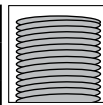
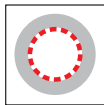
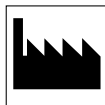


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2020000892	CX0302FGP45	5	03	3/16	1/8"-28	33	58	14	14	350	5000
2020047628	CX0304FGP45	5	03	3/16	1/4"-19	35	60	16	19	415	6000
2020000916	CX0402FGP45	6	04	1/4	1/8"-28	36	64	16	14	350	5000
2020046332	CX0404FGP45	6	04	1/4	1/4"-19	37	65	16	19	450	6500
2020000960	CX0406FGP45	6	04	1/4	3/8"-19	40	68	19	22	450	6500
2020047809	CX0408FGP45	6	04	1/4	1/2"-14	42	70	21	27	450	6500
2020066680	CX0504FGP45	8	05	5/16	1/4"-19	39	67	18	19	350	5000
2020001046	CX0506FGP45	8	05	5/16	3/8"-19	41	69	19	22	350	5000
2020066681	CX0508FGP45	8	05	5/16	1/2"-14	43	71	21	27	350	5000
2020066682	CX0604FGP45	10	06	3/8	1/4"-19	41	72	18	19	445	6500
2020001106	CX0606FGP45	10	06	3/8	3/8"-19	42	73	19	22	445	6500
2020001137	CX0608FGP45	10	06	3/8	1/2"-14	44	75	21	27	415	6000
2020047664	CX0806FGP45	12	08	1/2	3/8"-19	49	82	22	22	415	6000
2020045239	CX0808FGP45	12	08	1/2	1/2"-14	49	82	22	27	415	6000
2020066683	CX0810FGP45	12	08	1/2	5/8"-14	49	82	22	30	350	5000
2020066684	CX0812FGP45	12	08	1/2	3/4"-14	53	86	26	32	350	5000
2020001349	CX1008FGP45	16	10	5/8	1/2"-14	57	93	26	27	350	5000
2020048230	CX1010FGP45	16	10	5/8	5/8"-14	54	90	24	30	350	5000
2020001387	CX1012FGP45	16	10	5/8	3/4"-14	57	93	26	32	350	5000
2020066685	CX1208FGP45	20	12	3/4	1/2"-14	68	108	30	27	350	5000
2020066686	CX1210FGP45	20	12	3/4	5/8"-14	66	106	28	30	350	5000
2020001461	CX1212FGP45	20	12	3/4	3/4"-14	66	106	28	32	350	5000
2020001501	CX1216FGP45	20	12	3/4	1"-11	68	108	30	41	280	4000
2020066687	CX1612FGP45	25	16	1	3/4"-14	87	138	38	32	280	4000
2020001581	CX1616FGP45	25	16	1	1"-11	84	135	36	41	280	4000
2020066688	CX1620FGP45	25	16	1	1 1/4"-11	85	136	37	50	250	3600
2020049301	CX2020FGP45	32	20	1 1/4	1 1/4"-11	100	157	43	50	210	3000
2020066689	CX2024FGP45	32	20	1 1/4	1 1/2"-11	100	157	43	55	210	3000
2020045673	CX2424FGP45	40	24	1 1/2	1 1/2"-11	116	180	49	55	185	2700
2020066690	CX2432FGP45	40	24	1 1/2	2"-11	116	180	49	70	185	2700
2020066691	CX3232FGP45	50	32	2	2"-11	150	220	62	70	175	2500

DKR45 - 45° BSP SWEPT ELBOW - 60° CONE

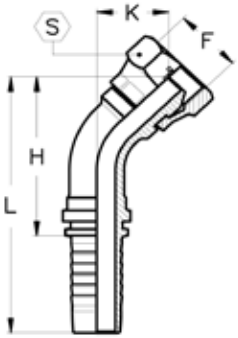


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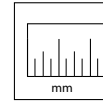
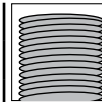
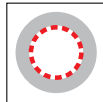
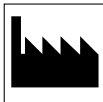


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2020051801	CX0404FGL45	6	04	1/4	1/4"-19	35	63	13	19	450	6500
2020051800	CX0406FGL45	6	04	1/4	3/8"-19	36	64	14	22	450	6500
2020051799	CX0506FGL45	8	05	5/16	3/8"-19	37	65	14	22	350	5000
2020051798	CX0606FGL45	10	06	3/8	3/8"-19	38	68	14	22	445	6500
2020051797	CX0608FGL45	10	06	3/8	1/2"-14	41	71	17	27	415	6000
2020051796	CX0808FGL45	12	08	1/2	1/2"-14	44	77	18	27	415	6000
2020051795	CX0810FGS45	12	08	1/2	5/8"-14	49	82	23	30	350	5000
2020051794	CX1010FGS45	16	10	5/8	5/8"-14	54	90	23	30	350	5000
2020051793	CX1012FGS45	16	10	5/8	3/4"-14	57	93	26	32	350	5000
2020051792	CX1212FGS45	20	12	3/4	3/4"-14	66	106	29	32	350	5000
2020051791	CX1216FGS45	20	12	3/4	1"-11	68	109	31	41	280	4000
2020051790	CX1616FGS45	25	16	1	1"-11	84	135	36	41	280	4000

DKOR45 - 45° BSP SWEPT ELBOW - 60° O'RING CONE

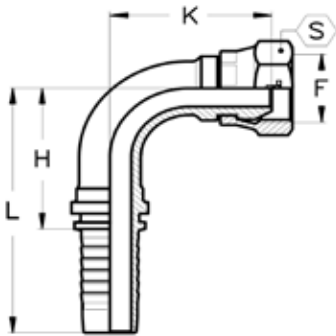


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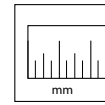
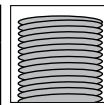
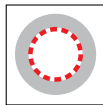
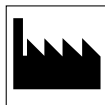


	CODE	DN	SIZE	INCH		H	L	K	S	O'RING	BAR	PSI
2020050837	CX0404FGOL45	6	04	1/4	1/4"-19	35	63	13	19	6,5x1	450	6500
2020051941	CX0406FGOL45	6	04	1/4	3/8"-19	37	65	15	22	8,5x1,5	450	6500
2020065855	CX0506FGOL45	8	05	5/16	3/8"-19	38	66	15	22	8,5x1,5	350	5000
2020051539	CX0606FGOL45	10	06	3/8	3/8"-19	39	69	15	22	8,5x1,5	445	6500
2020065856	CX0608FGOL45	10	06	3/8	1/2"-14	41	71	18	27	11,5x1,5	415	6000
2020050834	CX0808FGOL45	12	08	1/2	1/2"-14	45	78	18	27	11,5x1,5	350	6000
2020065857	CX0810FGOS45	12	08	1/2	5/8"-14	51	84	24	30	13x1,5	350	6000
2020051930	CX1010FGOS45	16	10	5/8	5/8"-14	55	91	24	30	13x1,5	350	5000
2020065858	CX1012FGOS45	16	10	5/8	3/4"-14	58	94	27	32	17x1,5	350	5000
2020051489	CX1212FGOS45	20	12	3/4	3/4"-14	66	107	29	32	17x1,5	350	5000
2020065859	CX1216FGOS45	20	12	3/4	1"-11	69	110	32	41	22x1,5	280	4000
2020051932	CX1616FGOS45	25	16	1	1"-11	85	136	37	41	22x1,5	280	4000
2020065860	CX1620FGOS45	25	16	1	1.1/4"-11	86	137	38	50	28,3x1,78	250	3600
2020065861	CX2020FGOS45	32	20	1.1/4	1.1/4"-11	99	157	43	50	28,3x1,78	210	3000
2020065862	CX2024FGOS45	32	20	1.1/4	1.1/2"-11	99	157	43	55	33,05x1,78	210	3000
2020065863	CX2424FGOS45	40	24	1.1/2	1.1/2"-11	118	182	51	55	33,05x1,78	185	2700
2020065897	CX2432FGOS45	40	24	1.1/2	2"-11	118	182	51	70	44,17x1,78	185	2700
2020065864	CX3232FGOS45	50	32	2	2"-11	164	234	76	70	44,17x1,78	175	2500

DKR90 - 90° BSP SWEPT ELBOW - 60° CONE

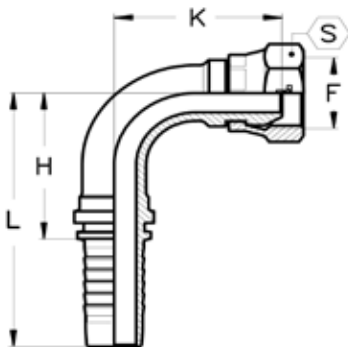


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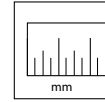
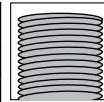
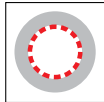
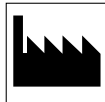


	CODE	DN	SIZE	INCH		H	L	K	S	BAR	PSI	
	2020066692	CX0302FGP90	5	03	3/16	1/8"-28	21	46	23	14	350	5000
	2020000899	CX0304FGP90	5	03	3/16	1/4"-19	21	46	26	19	415	6000
	2020045241	CX0402FGP90	6	04	1/4	1/8"-28	26	54	28	14	350	5000
	2020000928	CX0404FGP90	6	04	1/4	1/4"-19	26	54	28	19	450	6500
	2020045240	CX0406FGP90	6	04	1/4	3/8"-19	26	54	32	22	450	6500
	2020000985	CX0408FGP90	6	04	1/4	1/2"-14	26	54	36	27	450	6500
	2020001036	CX0504FGP90	8	05	5/16	1/4"-19	28	56	31	19	350	5000
	2020001047	CX0506FGP90	8	05	5/16	3/8"-19	28	56	34	22	350	5000
	2020066693	CX0508FGP90	8	05	5/16	1/2"-14	28	56	37	27	350	5000
	2020001098	CX0604FGP90	10	06	3/8	1/4"-19	31	61	34	19	445	6500
	2020046330	CX0606FGP90	10	06	3/8	3/8"-19	31	61	35	22	445	6500
	2020001138	CX0608FGP90	10	06	3/8	1/2"-14	31	61	38	27	415	6000
	2020047627	CX0806FGP90	12	08	1/2	3/8"-19	37	70	42	22	415	6000
	2020001234	CX0808FGP90	12	08	1/2	1/2"-14	37	70	42	27	415	6000
	2020001265	CX0810FGP90	12	08	1/2	5/8"-14	37	70	43	30	350	5000
	2020001285	CX0812FGP90	12	08	1/2	3/4"-14	37	70	48	32	350	5000
	2020001350	CX1008FGP90	16	10	5/8	1/2"-14	45	80	50	27	350	5000
	2020046774	CX1010FGP90	16	10	5/8	5/8"-14	45	80	46	30	350	5000
	2020001388	CX1012FGP90	16	10	5/8	3/4"-14	45	80	50	32	350	5000
	2020066694	CX1208FGP90	20	12	3/4	1/2"-14	54	95	59	27	350	5000
	2020066695	CX1210FGP90	20	12	3/4	5/8"-14	54	95	56	30	350	5000
	2020001462	CX1212FGP90	20	12	3/4	3/4"-14	54	95	56	32	350	5000
	2020001502	CX1216FGP90	20	12	3/4	1"-11	54	95	59	41	280	4000
	2020066696	CX1612FGP90	25	16	1	3/4"-14	70	121	75	32	280	4000
	2020045614	CX1616FGP90	25	16	1	1"-11	70	121	72	41	280	4000
	2020001616	CX1620FGP90	25	16	1	1 1/4"-11	70	121	73	50	250	3600
	2020048231	CX2020FGP90	32	20	1 1/4	1 1/4"-11	84	142	87	50	210	3000
	2020066697	CX2024FGP90	32	20	1 1/4	1 1/2"-11	84	142	87	55	210	3000
	2020001733	CX2424FGP90	40	24	1 1/2	1 1/2"-11	100	165	100	55	185	2700
	2020066698	CX2432FGP90	40	24	1 1/2	2"-11	100	165	100	70	185	2700
	2020066699	CX3232FGP90	50	32	2	2"-11	134	204	131	70	175	2500

DKR90 - 90° BSP SWEPT ELBOW - 60° CONE

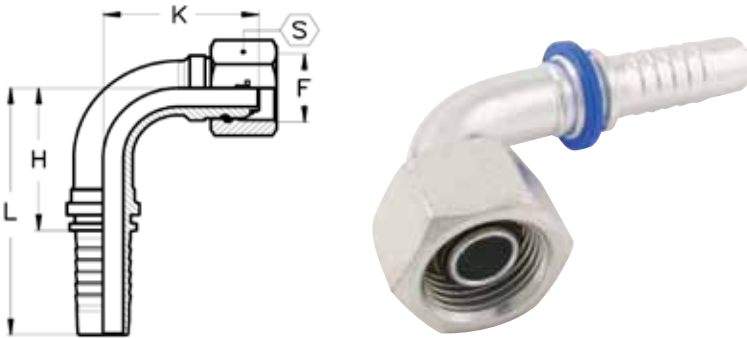


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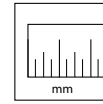
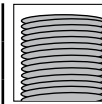
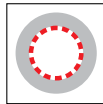
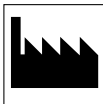


	CODE	DN	SIZE	INCH		H	L	K	S	BAR	PSI
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2020051788	CX0406FGL90	6	04	1/4	3/8"-19	29	57	28	22	450	6500
2020051787	CX0506FGL90	8	05	5/16	3/8"-19	29	57	28	22	350	5000
2020051786	CX0606FGL90	10	06	3/8	3/8"-19	30	61	29	22	445	6500
2020051785	CX0608FGL90	10	06	3/8	1/2"-14	30	61	32	27	415	6500
2020051784	CX0808FGL90	12	08	1/2	1/2"-14	37	70	35	27	415	6000
2020051783	CX0810FGS90	12	08	1/2	5/8"-14	37	70	43	30	350	6000
2020051782	CX1010FGS90	16	10	5/8	5/8"-14	44	80	46	30	350	5000
2020051781	CX1012FGS90	16	10	5/8	3/4"-14	44	80	50	32	350	5000
2020051780	CX1212FGS90	20	12	3/4	3/4"-14	54	94	56	32	350	5000
2020051779	CX1216FGS90	20	12	3/4	1"-11	54	94	60	41	280	4000
2020051778	CX1616FGS90	25	16	1	1"-11	70	121	72	41	280	4000

DKOR90 - 90° BSP SWEPT ELBOW - 60° O’RING CONE

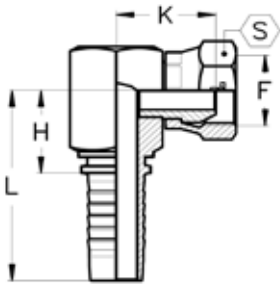


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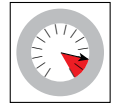
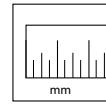
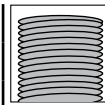
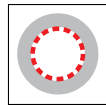
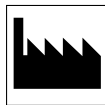


	CODE	DN	SIZE	INCH		H	L	K	S	O’RING	BAR	PSI
2020050838	CX0404FGOL90	6	04	1/4	1/4"-19	29	57	27	19	6,5x1	450	6500
2020050836	CX0406FGOL90	6	04	1/4	3/8"-19	29	57	29	22	8,5x1,5	450	6500
2020065865	CX0506FGOL90	8	05	5/16	3/8"-19	29	57	29	22	8,5x1,5	350	5000
2020051538	CX0606FGOL90	10	06	3/8	3/8"-19	30	61	30	22	8,5x1,5	450	6500
2020065866	CX0608FGOL90	10	06	3/8	1/2"-14	30	61	33	27	11,5x1,5	450	6500
2020050835	CX0808FGOL90	12	08	1/2	1/2"-14	37	70	36	27	11,5x1,5	415	6000
2020065867	CX0810FGOS90	12	08	1/2	5/8"-14	37	70	45	30	13x1,5	415	6000
2020001366	CX1010FGOS90	16	10	5/8	5/8"-14	44	80	48	30	13x1,5	350	5000
2020065868	CX1012FGOS90	16	10	5/8	3/4"-14	44	80	51	32	17x1,5	350	5000
2020051488	CX1212FGOS90	20	12	3/4	3/4"-14	54	94	57	32	17x1,5	350	5000
2020065869	CX1216FGOS90	20	12	3/4	1"-11	54	94	61	41	22x1,5	350	5000
2020051892	CX1616FGOS90	25	16	1	1"-11	70	121	73	41	22x1,5	280	4000
2020065870	CX1620FGOS90	25	16	1	1.1/4"-11	70	121	76	50	28,3x1,78	280	4000
2020065871	CX2020FGOS90	32	20	1.1/4	1.1/4"-11	84	142	88	50	28,3x1,78	210	3000
2020065872	CX2024FGOS90	32	20	1.1/4	1.1/2"-11	84	142	88	55	33,05x1,78	210	3000
2020065873	CX2424FGOS90	40	24	1.1/2	1.1/2"-11	100	165	104	55	33,05x1,78	185	2700
2020065874	CX2432FGOS90	40	24	1.1/2	2"-11	100	165	104	70	44,17x1,78	185	2700
2020047723	CX3232FGOS90	50	32	2	2"-11	134	204	152	70	44,17x1,78	175	2500

DKR90 - 90° BSP COMPACT ELBOW - 60° CONE



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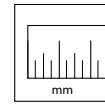
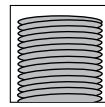
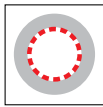
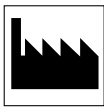


	CODE	DN	SIZE	INCH		H	L	K	S	BAR	PSI
2020000933	CX0404FGP90K	6	04	1/4	1/4"-19	18	46	23	19	450	6500
2020000962	CX0406FGP90K	8	05	5/16	3/8"-19	21	49	26	22	450	6500
2020065877	CX0506FGP90K	8	05	5/16	3/8"-19	21	49	26	22	350	5000
2020001111	CX0606FGP90K	10	06	3/8	3/8"-19	21	52	26	22	445	6500
2020001139	CX0608FGP90K	12	08	1/2	1/2"-14	24	54	28	27	415	6000
2020001238	CX0808FGP90K	12	08	1/2	1/2"-14	24	57	28	27	415	6000
2020001466	CX1212FGP90K	20	12	3/4	3/4"-14	31	72	35	32	350	5000
2020001589	CX1616FGP90K	25	16	1	1"-11	38	89	41	41	280	4000

BSP BANJO

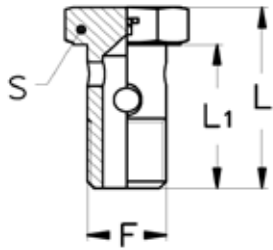


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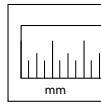
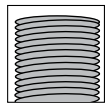
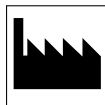


	CODE	DN	SIZE	INCH		H	L	K	S	BAR	PSI
2020049908	CX0302OG	5	03	3/16	1/8"-28	20	45	10,2	10	280	4000
2020065883	CX0304OG	5	03	3/16	1/4"-19	22,6	47,6	13,3	14	280	4000
2020000921	CX0402OG	6	04	1/4	1/8"-28	23	51	10,2	10	280	4000
2020049271	CX0404OG	6	04	1/4	1/4"-19	23	51	13,3	14	280	4000
2020000979	CX0406OG	6	04	1/4	3/8"-19	26,5	54,5	16,8	17,5	280	4000
2020065884	CX0408OG	6	04	1/4	1/2"-14	33,5	61,5	21	23	250	3600
2020001041	CX0504OG	8	05	5/16	1/4"-19	24	52	13,3	14	280	4000
2020049269	CX0506OG	8	05	5/16	3/8"-19	26,5	54,5	16,8	17,5	280	4000
2020065885	CX0508OG	8	05	5/16	1/2"-14	33,5	61,5	21	23	250	3600
2020043224	CX0604OG	10	06	3/8	1/4"-19	24	54,5	13,3	14	280	4000
2020001129	CX0606OG	10	06	3/8	3/8"-19	24	54,5	16,8	17,5	280	4000
2020001155	CX0608OG	10	06	3/8	1/2"-14	32	62,5	21	23	250	3600
2020001225	CX0806OG	12	08	1/2	3/8"-19	26,5	59,5	16,8	17,5	280	4000
2020001262	CX0808OG	12	08	1/2	1/2"-14	28,5	61,5	21	23	250	3600
2020065886	CX0810OG	12	08	1/2	5/8"-14	31	64	23,1	23,5	210	3000
2020049349	CX0812OG	12	08	1/2	3/4"-14	39	72	26,5	29,5	210	3000
2020065887	CX1008OG	16	10	5/8	1/2"-14	27,2	63	21	23	250	3600
2020065888	CX1010OG	16	10	5/8	5/8"-14	28,2	64	23,1	23,5	210	3000
2020065889	CX1012OG	16	10	5/8	3/4"-14	34,7	70,5	26,5	29,5	210	3000
2020001492	CX1212OG	20	12	3/4	3/4"-14	37,5	78	26,5	29,5	210	3000
2020065890	CX1216OG	20	12	3/4	1"-11	39,5	90,5	33,5	37,5	165	2400
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BSP BOLT

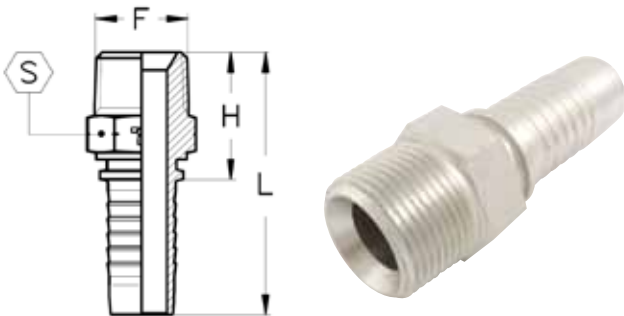


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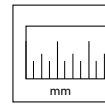
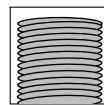
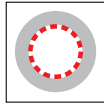
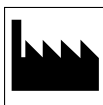


	CODE	F	L	L1	S
2020000629	06VS02	1/8"-28	26	21,5	14
2020000630	06VS04	1/4"-19	34,3	29,5	19
2020000631	06VS06	3/8"-19	40,5	34	22
2020000632	06VS08	1/2"-14	46	36	27
2020000633	06VS10	5/8"-14	55	45,5	30
2020000635	06VS12	3/4"-14	56	48	32
2020000638	06VS16	1"-11	69	59	41

AGN - NPTF MALE - 60° CONE SEAT

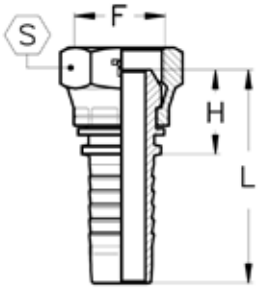


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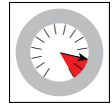
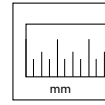
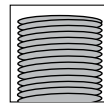
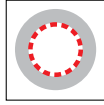
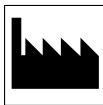


	CODE	DN	SIZE	INCH	F	H	L	S	BAR	PSI
2020044320	CX0302NPT	5	03	3/16	1/8"-27	20,6	45,6	12	350	5000
2020044321	CX0304NPT	5	03	3/16	1/4"-18	26,5	51,5	14	350	5000
2020044322	CX0402NPT	6	04	1/4	1/8"-27	21,1	49,1	12	350	5000
2020044323	CX0404NPT	6	04	1/4	1/4"-18	27	55	14	350	4000
2020044324	CX0406NPT	6	04	1/4	3/8"-18	28,6	56,6	19	280	4000
2020065891	CX0408NPT	6	04	1/4	1/2"-14	34	62	22	280	4000
2020044325	CX0504NPT	8	05	5/16	1/4"-18	27	55	14	350	5000
2020044326	CX0506NPT	8	05	5/16	3/8"-18	28,6	56,6	19	280	4000
2020044327	CX0508NPT	8	05	5/16	1/2"-14	34	62	22	280	4000
2020044328	CX0604NPT	10	06	3/8	1/4"-18	27,5	58	16	350	5000
2020044329	CX0606NPT	10	06	3/8	3/8"-18	28,6	59,1	19	280	4000
2020044330	CX0608NPT	10	06	3/8	1/2"-14	34	64,5	22	280	4000
2020044331	CX0806NPT	12	08	1/2	3/8"-18	30,6	63,6	22	280	4000
2020044332	CX0808NPT	12	08	1/2	1/2"-14	35	68	22	280	4000
2020044333	CX0812NPT	12	08	1/2	3/4"-14	36,9	69,9	27	280	4000
2020044334	CX1008NPT	16	10	5/8	1/2"-14	36,2	72	25	280	4000
2020044335	CX1012NPT	16	10	5/8	3/4"-14	37,1	72,9	27	280	4000
2020044336	CX1208NPT	20	12	3/4	1/2"-14	37,5	78	27	280	4000
2020044337	CX1212NPT	20	12	3/4	3/4"-14	37,9	78,4	27	280	4000
2020044338	CX1216NPT	20	12	3/4	1"-11,5	45,5	86	35	280	4000
2020044344	CX1612NPT	25	16	1	3/4"-14	40,4	91,4	32	280	4000
2020044343	CX1616NPT	25	16	1	1"-11,5	47	98	35	210	3000
2020044342	CX1620NPT	25	16	1	1.1/4"-11,5	51,1	102,1	46	210	3000
2020044341	CX2020NPT	32	20	1.1/4	1.1/4"-11,5	51,9	109,6	46	210	3000
2020044340	CX2424NPT	40	24	1.1/2	1.1/2"-11,5	55	119,5	50	185	2700
2020044339	CX3232NPT	50	32	2	2"-11,5	64	134	65	175	2600

DKN - NPSM STRAIGHT FEMALE - 60° CONE

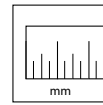
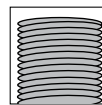
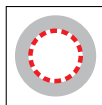
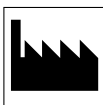
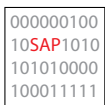
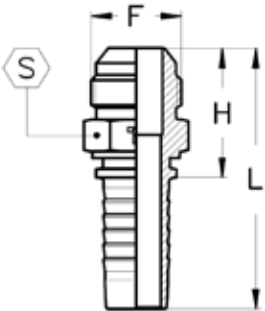


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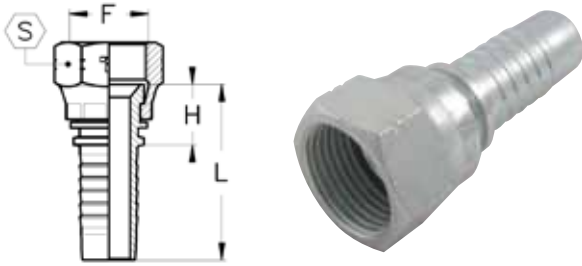
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2020065892	CX0404FSM	6	04	1/4	1/4"-18	19	47	17	350	5000
2020065893	CX0606FSM	10	06	3/8	3/8"-18	21	51	22	280	4000
2020065894	CX0808FSM	12	08	1/2	1/2"-14	23	56	25	280	4000
2020065895	CX1212FSM	20	12	3/4	3/4"-14	27	67	32	280	4000
2020065896	CX1616FSM	25	16	1	1"-11,5	30	81	38	280	4000



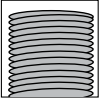
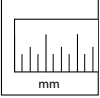

AGJ - JIC MALE - 74° CONE



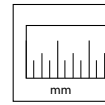
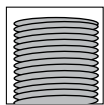
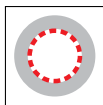
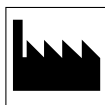
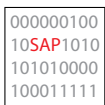
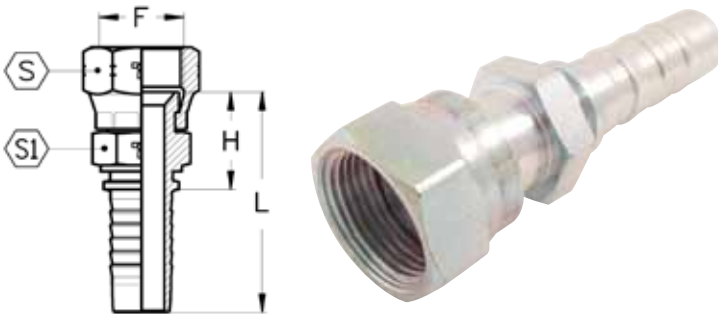
	CODE	DN	SIZE	INCH	F	H	L	S	BAR	PSI
2020065905	CX0304MI	5	03	3/16	7/16"-20	25	50	12	415	6000
2020065906	CX0305MI	5	03	3/16	1/2"-20	25	50	14	415	6000
2020000946	CX0404MI	6	04	1/4	7/16"-20	25,5	53,5	12	400	5800
2020000955	CX0405MI	6	04	1/4	1/2"-20	25,5	53,5	14	400	5800
2020048610	CX0406MI	6	04	1/4	9/16"-18	26,6	54,6	15	350	5000
2020065907	CX0505MI	8	05	5/16	1/2"-20	25,5	53,5	14	350	5000
2020001056	CX0506MI	8	05	5/16	9/16"-18	26,6	54,6	15	350	5000
2020001070	CX0508MI	8	05	5/16	3/4"-16	29,7	57,7	19	350	5000
2020046669	CX0606MI	10	06	3/8	9/16"-18	26,6	57,1	15	350	5000
2020049852	CX0608MI	10	06	3/8	3/4"-16	29,7	60,2	19	350	5000
2020001164	CX0610MI	10	06	3/8	7/8"-14	34,3	64,8	24	350	5000
2020049838	CX0808MI	12	08	1/2	3/4"-16	30,7	63,7	19	350	5000
2020046331	CX0810MI	12	08	1/2	7/8"-14	35,3	68,3	24	350	5000
2020001301	CX0812MI	12	08	1/2	1.1/16"-12	38,9	71,9	27	350	5000
2020050613	CX1010MI	16	10	5/8	7/8"-14	35,5	71,3	24	350	5000
2020051443	CX1012MI	16	10	5/8	1.1/16"-12	39,1	74,9	27	350	5000
2020065908	CX1210MI	20	12	3/4	7/8"-14	37,3	77,8	27	350	5000
2020001488	CX1212MI	20	12	3/4	1.1/16"-12	39,9	80,4	27	350	5000
2020001499	CX1214MI	20	12	3/4	1.3/16"-12	41,6	82,1	32	280	4000
2020001519	CX1216MI	20	12	3/4	1.5/16"-12	42,1	82,6	34	280	4000
2020065909	CX1612MI	25	16	1	1.1/16"-12	41,9	92,9	32	280	4000
2020065910	CX1616MI	25	16	1	1.5/16"-12	43,6	94,6	34	280	4000
2020065911	CX1620MI	25	16	1	1.5/8"-12	46,8	97,8	42	280	4000
2020001690	CX2020MI	32	20	1.1/4	1.5/8"-12	47,6	105,3	42	210	3000
2020065912	CX2024MI	32	20	1.1/4	1.7/8"-12	52,8	110,5	50	185	2700
2020065913	CX2424MI	40	24	1.1/2	1.7/8"-12	53	117,5	50	185	2700
2020065914	CX3232MI	50	32	2	2.1/2"-12	63,4	133,4	65	175	2500

DKJ - JIC STRAIGHT FEMALE - 74° CONE SEAT



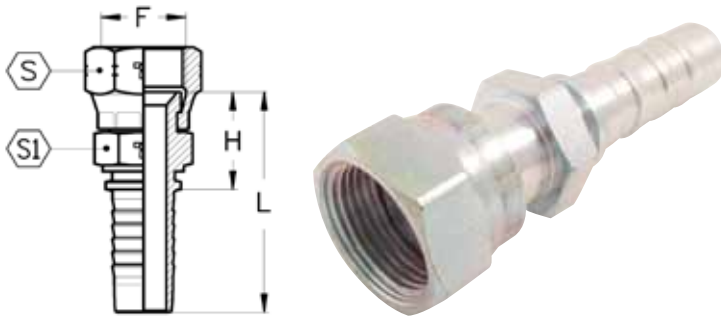
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CODE	DN	SIZE	INCH	F	H	L	S	BAR	PSI	
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2020065915	CX0305FIP	5	03	3/16	1/2"-20	15	40	17	415	6000
2020048609	CX0404FIP	6	04	1/4	7/16"-20	14	42	14	400	5800
2020048608	CX0405FIP	6	04	1/4	1/2"-20	14,5	42,5	17	400	5800
2020050370	CX0406FIP	6	04	1/4	9/16"-18	16,5	44,5	19	350	5000
2020065916	CX0505FIP	8	05	5/16	1/2"-20	14,5	42,5	17	350	5000
2020001050	CX0506FIP	8	05	5/16	9/16"-18	15,5	43,5	19	350	5000
2020065917	CX0508FIP	8	05	5/16	3/4"-16	17,5	45,5	22	350	5000
2020001113	CX0606FIP	10	06	3/8	9/16"-18	15,5	46	19	350	5000
2020001141	CX0608FIP	10	06	3/8	3/4"-16	17,5	48	22	350	5000
2020052250	CX0610FIP	10	06	3/8	7/8"-14	18,5	48	27	350	5000
2020049849	CX0808FIP	12	08	1/2	3/4"-16	17,5	50,5	22	350	5000
2020049850	CX0810FIP	12	08	1/2	7/8"-14	18,5	51,5	27	350	5000
2020065918	CX0812FIP	12	08	1/2	1.1/16"-12	21,8	54,8	32	350	5000
2020051424	CX1010FIP	16	10	5/8	7/8"-14	18,7	54,5	27	350	5000
2020050033	CX1012FIP	16	10	5/8	1.1/16"-12	22	57,8	32	350	5000
2020065919	CX1210FIP	20	12	3/4	7/8"-14	19,5	60	27	350	5000
2020051021	CX1212FIP	20	12	3/4	1.1/16"-12	21,3	61,8	32	350	5000
2020001496	CX1214FIP	20	12	3/4	1.3/16"-12	25	65,5	36	280	4000
2020065920	CX1216FIP-EX38	20	12	3/4	1.5/16"-12	25,5	66	38	210	3000
2020050362	CX1216FIP	20	12	3/4	1.5/16"-12	25,5	66	41	280	4000
2020065921	CX1612FIP	25	16	1	1.1/16"-12	22,8	73,8	32	280	4000
2020065922	CX1616FIP-EX38	25	16	1	1.5/16"-12	25,5	76,5	38	210	3000
2020050485	CX1616FIP	25	16	1	1.5/16"-12	25,5	76,5	41	280	4000
2020051574	CX1620FIP	25	16	1	1.5/8"-12	28,5	79,5	50	210	3000
2020001674	CX2020FIP	32	20	1.1/4	1.5/8"-12	27,8	85,5	50	210	3000
2020065923	CX2024FIP-EX55	32	20	1.1/4	1.7/8"-12	31,3	89	55	140	2000
2020065924	CX2024FIP	32	20	1.1/4	1.7/8"-12	31,3	89	60	185	2700
2020065925	CX2424FIP-EX55	40	24	1.1/2	1.7/8"-12	30	94,5	55	140	2000
2020065926	CX2424FIP	40	24	1.1/2	1.7/8"-12	30	94,5	60	185	2700
2020065927	CX3232FIP-EX70	50	32	2	2.1/2"-12	34	104	70	105	1500
2020001780	CX3232FIP	50	32	2	2.1/2"-12	34	104	75	175	2500

DKJ - JIC STRAIGHT FEMALE - 74° CONE SEAT - DOUBLE HEXAGON

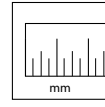
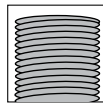
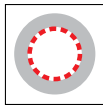
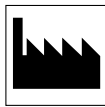


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2020065930	CX0405FICP	6	04	1/4	1/2"-20	21	49	17	14	400	5800
2020065931	CX0406FICP	6	04	1/4	9/16"-18	22	50	19	14	350	5000
2020065932	CX0505FICP	8	05	5/16	1/2"-20	21	49	17	14	350	5000
2020065933	CX0506FICP	8	05	5/16	9/16"-18	22,5	50,5	19	16	350	5000
2020065934	CX0604FICP	10	06	3/8	7/16"-20	21	51,5	14	16	350	5000
2020065935	CX0605FICP	10	06	3/8	1/2"-20	21,5	52	17	16	350	5000
2020065936	CX0606FICP	10	06	3/8	9/16"-18	22,5	53	19	16	350	5000
2020065937	CX0608FICP	10	06	3/8	3/4"-16	24,5	55	22	19	350	5000
2020065938	CX0610FICP	10	06	3/8	7/8"-14	36,5	57	27	22	350	5000
2020065939	CX0806FICP	12	08	1/2	9/16"-18	24,5	57,5	19	19	350	5000
2020065940	CX0808FICP	12	08	1/2	3/4"-16	25,5	58,5	22	19	350	5000
2020065941	CX0810FICP	12	08	1/2	7/8"14	27,5	60,5	27	22	350	5000
2020065942	CX0812FICP	12	08	1/2	1.1/16"-12	30,3	63,3	32	25	350	5000
2020065943	CX1008FICP	16	10	5/8	3/4"-16	26,7	62,5	22	22	350	5000
2020065944	CX1010FICP	16	10	5/8	7/8"-14	27,7	63,5	27	22	350	5000
2020065945	CX1012FICP	16	10	5/8	1.1/16"-12	30,5	66,3	32	25	350	5000
2020065946	CX1210FICP	20	12	3/4	7/8"-14	30	70,5	27	27	350	5000
2020065947	CX1212FICP	20	12	3/4	1.1/16"-12	31,8	72,3	32	27	350	5000
2020065948	CX1214FICP	20	12	3/4	1.3/16"-12	34,5	75	36	30	280	4000
2020065949	CX1216FICP-EX38	20	12	3/4	1.5/16"-12	35,5	76	38	32	210	3000
2020065950	CX1216FICP	20	12	3/4	1.5/16"-12	35,5	76	41	32	280	4000
2020065951	CX1612FICP	25	16	1	1.1/16"-12	34,3	85,3	32	32	280	4000
2020065952	CX1616FICP-EX38	25	16	1	1.5/16"-12	37	88	38	32	210	3000
2020065953	CX1616FICP	25	16	1	1.5/16"-12	37	88	41	32	280	4000
2020065954	CX1620FICP	25	16	1	1.5/8"-12	42	93	50	41	210	3000
2020065955	CX2020FICP	32	20	1.1/4	1.5/8"-12	42,8	100,5	50	41	210	3000
2020065956	CX2424FICP-EX55	40	24	1.1/2	1.7/8"-12	47	111,5	55	46	140	2000
2020065957	CX2424FICP	40	24	1.1/2	1.7/8"-12	47	111,5	60	46	185	2700
2020065958	CX3232FICP-EX70	50	32	2	2.1/2"-12	55,5	125,5	70	60	105	1500
2020065959	CX3232FICP	50	32	2	2.1/2"-12	55,5	125,5	75	60	175	2500

DKJ - JIC STRAIGHT FEMALE - 74° CONE SEAT - DOUBLE HEXAGON

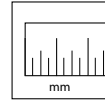
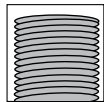
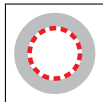
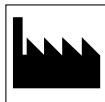


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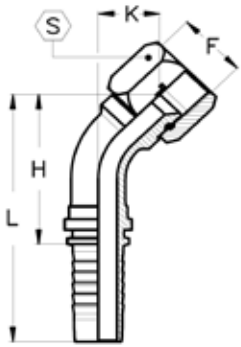
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2020065961	CX1010FICS	16	10	5/8	7/8"-14	29,2	65	27	22	350	5000
2020065962	CX1012FICS	16	10	5/8	1.1/16"-12	31,4	67, 2	32	25	350	5000
2020065963	CX1212FICS	20	12	3/4	1.1/16"-12	32,7	73,2	32	27	350	5000
2020065964	CX1214FICS	20	12	3/4	1.3/16"-12	34,7	75,2	36	30	280	4000
2020065965	CX1216FICS	20	12	3/4	1.5/16"-12	36,5	77	41	32	280	4000
2020065966	CX1616FICS	25	16	1	1.5/16"-12	38	89	41	32	280	4000
2020065967	CX1620FICS	25	16	1	1.5/8"-12	44	95	50	41	280	4000
2020065968	CX2020FICS	32	20	1.1/4	1.5/8"-12	44,8	102,5	50	41	210	3000
2020065969	CX2424FICS	40	24	1.1/2	1.7/8"-12	48	112,5	60	46	185	2700
2020065970	CX3232FICS	50	32	2	2.1/2"-12	59,5	129,5	75	60	175	2500

DKJ45 - JIC 45° SWEPT ELBOW - 74° CONE SEAT

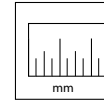
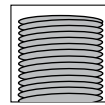
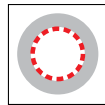
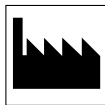


	CODE	DN	SIZE	INCH	F	H	L	S	K	BAR	PSI
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2020065973	CX0405FIP45	6	04	1/4	1/2"-20	32	60	11	17	400	5800
2020065974	CX0406FIP45	6	04	1/4	9/16"-18	33	61	12	19	350	5000
2020065975	CX0505FIP45	8	05	5/16	1/2"-20	33	61	11	17	350	5000
2020065976	CX0506FIP45	8	05	5/16	9/16"-18	34	62	12	19	350	5000
2020065977	CX0508FIP45	8	05	5/16	3/4"-16	36	64	14	22	350	5000
2020065978	CX0606FIP45	10	06	3/8	9/16"-18	35,5	66	12	19	350	5000
2020065979	CX0608FIP45	10	06	3/8	3/4"-16	37,5	68	14	22	350	5000
2020065980	CX0610FIP45	10	06	3/8	7/8"-14	39,5	70	16	27	350	5000
2020049351	CX0808FIP45	12	08	1/2	3/4"-16	41	74	14,5	22	350	5000
2020051010	CX0810FIP45	12	08	1/2	7/8"-14	43	76	16	27	350	5000
2020065981	CX0812FIP45	12	08	1/2	1.1/16"-12	45,5	78,5	19	32	350	5000
2020050616	CX1010FIP45	16	10	5/8	7/8"-14	47	83	16	27	350	5000
2020065982	CX1012FIP45	16	10	5/8	1.1/16"-12	50	86	19	32	350	5000
2020065983	CX1210FIP45	20	12	3/4	7/8"-14	64	105	27	27	350	5000
2020051239	CX1212FIP45	20	12	3/4	1.1/16"-12	59	99	22	32	350	5000
2020065984	CX1214FIP45	20	12	3/4	1.3/16"-12	59	100	22	36	280	4000
2020065985	CX1216FIP45-EX38	20	12	3/4	1.5/16"-12	61	101	24	38	210	3000
2020065986	CX1216FIP45	20	12	3/4	1.5/16"-12	61	101	24	41	280	4000
2020065987	CX1612FIP45	25	16	1	1.1/16"-12	83	134	35	32	280	4000
2020065988	CX1616FIP45-EX38	25	16	1	1.5/16"-12	72	123	24	38	210	3000
2020001592	CX1616FIP45	25	16	1	1.5/16"-12	72	123	24	41	280	4000
2020001618	CX1620FIP45	25	16	1	1.5/8"-12	76	127	28	50	210	3000
2020001675	CX2020FIP45	32	20	1.1/4	1.5/8"-12	85	143	28	50	210	3000
2020065989	CX2024FIP45-EX55	32	20	1.1/4	1.7/8"-12	88	144	32	55	140	2000
2020065990	CX2024FIP45	32	20	1.1/4	1.7/8"-12	88	144	32	60	185	2700
2020065991	CX2424FIP45-EX55	40	24	1.1/2	1.7/8"-12	99	164	32	55	140	2000
2020065992	CX2424FIP45	40	24	1.1/2	1.7/8"-12	99	164	32	60	185	2700
2020065994	CX3232FIP45-EX70	50	32	2	2.1/2"-12	133	203	44	70	105	1500
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DKJ45 - JIC 45° SWEPT ELBOW - 74° CONE SEAT

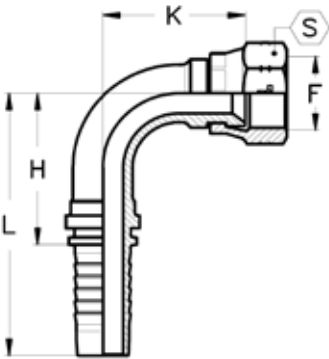


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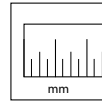
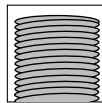
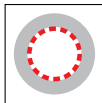
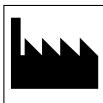


	CODE	DN	SIZE	INCH		H	L	S	K	BAR	PSI
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2020065997	CX1010FIS45	16	10	5/8	7/8"-14	53	89	22,5	27	350	5000
2020065998	CX1012FIS45	16	10	5/8	1.1/16"-12	54,5	90,5	23,5	32	350	5000
2020065999	CX1212FIS45	20	12	3/4	1.1/16"-12	63	104	26	32	350	5000
2020066000	CX1214FIS45	20	12	3/4	1.3/16"-12	64	105	27	36	280	4000
2020066001	CX1216FIS45	20	12	3/4	1.5/16"-12	65	106	28	41	280	4000
2020066002	CX1616FIS45	25	16	1	1.5/16"-12	83	134	34	41	280	4000
2020066003	CX1620FIS45	25	16	1	1.5/8"-12	83	134	34	50	280	4000
2020066004	CX2020FIS45	32	20	1.1/4	1.5/8"-12	96	154	39	50	210	3000
2020066005	CX2424FIS45	40	24	1.1/2	1.7/8"-12	113	178	46	60	185	2700
2020066006	CX3232FIS45	50	32	2	2.1/2"-12	152	222	63	75	175	2500

DKJ90 - JIC 90° SWEPT ELBOW - 74° CONE SEAT - MEDIUM

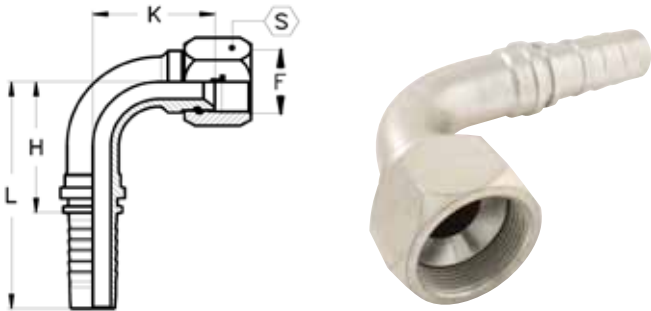


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	CODE	DN	SIZE	INCH		H	L	K	S	BAR	PSI
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2020066008	CX0405FIP90	6	04	1/4	1/2"-20	25,5	53,5	26	17	400	5800
2020049352	CX0406FIP90	6	04	1/4	9/16"-18	25,5	53,5	27	19	350	5000
2020066009	CX0505FIP90	8	05	5/16	1/2"-20	28	56	29	17	350	5000
2020066010	CX0506FIP90	8	05	5/16	9/16"-18	28	56	29	19	350	5000
2020048605	CX0606FIP90	10	06	3/8	9/16"-18	31	61,5	33	19	350	5000
2020052811	CX0608FIP90	10	06	3/8	3/4"-16	31	61,5	33	22	350	5000
2020051548	CX0808FIP90	12	08	1/2	3/4"-16	37	70	39	22	350	5000
2020051956	CX0810FIP90	12	08	1/2	7/8"-14	37	70	40	27	350	5000
2020001371	CX1010FIP90	16	10	5/8	7/8"-14	45	81	45	27	350	5000
2020066011	CX1012FIP90	16	10	5/8	1.1/16"-12	45	81	47	32	350	5000
2020066012	CX1210FIP90	20	12	3/4	7/8"-14	55	95	54	27	350	5000
2020050361	CX1212FIP90	20	12	3/4	1.1/16"-12	55	95	53	32	350	5000
2020001498	CX1214FIP90	20	12	3/4	1.3/16"-12	55	95	54	36	280	4000
2020066014	CX1216FIP90-EX38	20	12	3/4	1.5/16"-12	55	95	56	38	210	3000
2020001507	CX1216FIP90	20	12	3/4	1.5/16"-12	55	95	56	41	280	4000
2020066015	CX1616FIP90-EX38	25	16	1	1.5/16"-12	71	122	70	38	210	3000
2020001593	CX1616FIP90	25	16	1	1.5/16"-12	71	122	70	41	280	4000
2020001619	CX1620FIP90	25	16	1	1.5/8"-12	71	122	70	50	210	3000
2020001676	CX2020FIP90	32	20	1.1/4	1.5/8"-12	86	143	82	50	210	3000
2020066016	CX2024FIP90-EX55	32	20	1.1/4	1.7/8"-12	86	143	82	55	140	2000
2020001700	CX2024FIP90	32	20	1.1/4	1.7/8"-12	86	143	82	60	185	2700
2020066017	CX2424FIP90-EX55	40	24	1.1/2	1.7/8"-12	102	167	96	55	140	2000
2020066018	CX2424FIP90	40	24	1.1/2	1.7/8"-12	102	167	96	60	185	2700
2020066019	CX3232FIP90-EX70	50	32	2	2.1/2"-12	137	207	134	70	105	1500
2020066020	CX3232FIP90	50	32	2	2.1/2"-12	137	207	134	75	175	2500

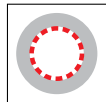
DKJ90 - JIC 90° SWEEP ELBOW - 74° CONE SEAT - MEDIUM



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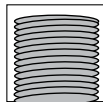
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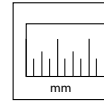
DN

SIZE

INCH



H



L

K

S



BAR

PSI

	CODE	DN	SIZE	INCH		H	L	K	S	BAR	PSI
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2020066022	CX1010FIS90	16	10	5/8	7/8"-14	45	81	45	27	350	5000
2020066024	CX1012FIS90	16	10	5/8	1.1/16"-12	45	81	47	32	350	5000
2020066025	CX1212FIS90	20	12	3/4	1.1/16"-12	55	95	53	32	350	5000
2020066026	CX1214FIS90	20	12	3/4	1.3/16"-12	55	95	54	36	280	4000
2020066027	CX1216FIS90	20	12	3/4	1.5/16"-12	55	95	56	41	280	4000
2020066028	CX1616FIS90	25	16	1	1.5/16"-12	71	122	70	41	280	4000
2020066029	CX1620FIS90	25	16	1	1.5/8"-12	71	122	70	50	280	4000
2020066030	CX2020FIS90	32	20	1.1/4	1.5/8"-12	86	143	82	50	210	3000
2020066700	CX2424FIS90	40	24	1.1/2	1.7/8"-12	102	167	96	60	185	2700
2020066701	CX3232FIS90	50	32	2	2.1/2"-12	137	207	134	75	175	2500

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Specify your hose assembly requirements online with
the Stauff webshop hose configurator

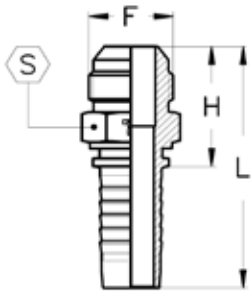
... see page **146** for details

Contact us for your logon details:

webshop@stauff.co.uk

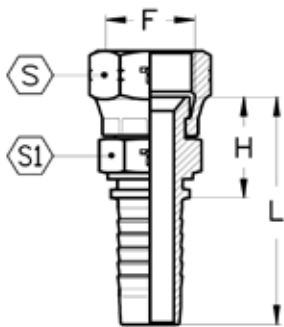
or call **0114 251 8518**

SAE MALE - 45° CONE



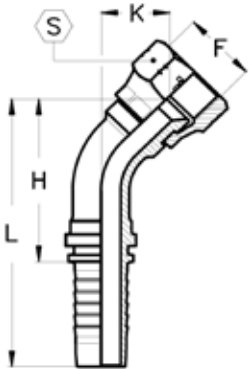
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2020001133	CX0607MJ	10	06	3/8	5/8"-18	28,2	58,7	16	350	5000
2020066023	CX1212MJ	20	12	3/4	1.1/16"-14	43,4	83,9	27	350	5000

SAE STRAIGHT FEMALE - 90° CONE SEAT

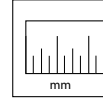
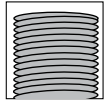
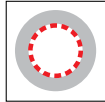
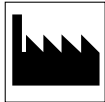


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2020039403	CX0607FJCP	10	06	3/8	5/8"-18	23,5	54	22	16	350	5000
2020066037	CX1212FJCP	20	12	3/4	1.1/16"-14	31,8	72,3	32	27	350	5000

SAE 45° SWEEP ELBOW - 90° CONE SEAT

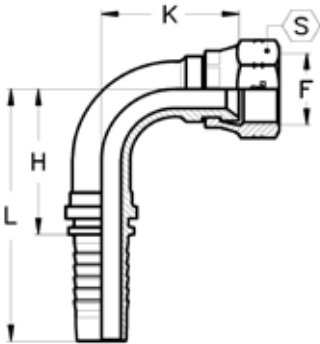


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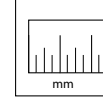
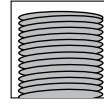
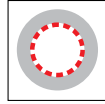
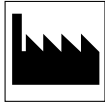


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2020066039	CX0607FJP45	10	06	3/8	5/8"-18	39	69,5	16	22	350	5000
2020066040	CX1212FJP45	20	12	3/4	1.1/16"-14	62	103	25	32	350	5000

SAE 90° SWEPT ELBOW - 90° CONE SEAT

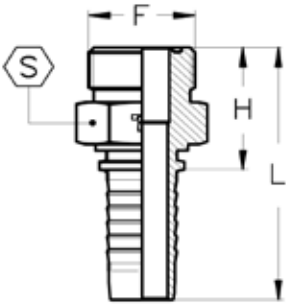


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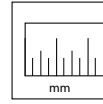
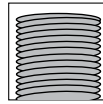
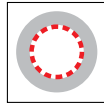
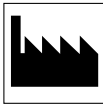


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2020001132	CX0607FJP90	10	06	3/8	5/8"-18	31	61	31	22	350	5000
2020066042	CX1212FJP90	20	12	3/4	1.1/16"-14	55	95	51	32	350	5000

ORFS MALE

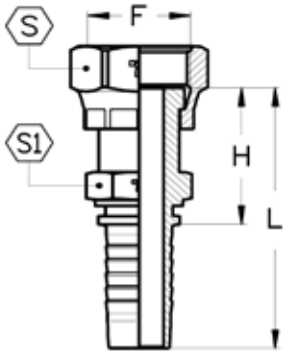


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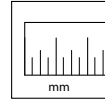
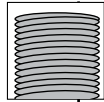
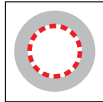
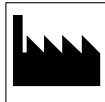


	CODE	DN	SIZE	INCH		H	L	S	O'RING	BAR	PSI
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2020000976	CX0406MRS	6	04	1/4	11/16"-16	25,5	53,5	19	9,25x1,78	450	6500
2020001057	CX0506MRS	8	05	5/16	11/16"-16	25,5	53,5	19	9,25x1,78	350	5000
2020001126	CX0606MRS	10	06	3/8	11/16"-16	25,5	56	19	9,25x1,78	450	6500
2020001153	CX0608MRS	10	06	3/8	13/16"-16	28,5	59	22	12,42x1,78	450	6500
2020066043	CX0610MRS	10	06	3/8	1"-14	33	63,5	27	15,6x1,78	450	6500
2020053198	CX0808MRS	12	08	1/2	13/16"-16	29,5	62,5	22	12,42x1,78	415	6000
2020001280	CX0810MRS	12	08	1/2	1"-14	34	67	27	15,6x1,78	415	6000
2020001302	CX0812MRS	12	08	1/2	1.3/16"-12	37	70	32	8,77x1,78	415	6000
2020001383	CX1010MRS	16	10	5/8	1"-14	34	70	27	15,6x1,78	350	5000
2020001407	CX1012MRS	16	10	5/8	1.3/16"-12	37	73	32	18,77x1,78	350	5000
2020001489	CX1212MRS	20	12	3/4	1.3/16"-12	38	78,5	32	18,77x1,78	350	5000
2020001520	CX1216MRS	20	12	3/4	1.7/16"-12	42,5	83	41	23,52x1,78	350	5000
2020001609	CX1616MRS	25	16	1	1.7/16"-12	44	95	41	23,52x1,78	280	4000
2020038794	CX2020MRS	32	20	1.1/4	1.11/16"-12	46	104	46	29,87x1,78	210	3000
2020066864	CX2424MRS	40	24	1.1/2	2"-12	50	115	55	37,82x1,78	185	2700

ORFS - STRAIGHT FEMALE DOUBLE HEXAGON

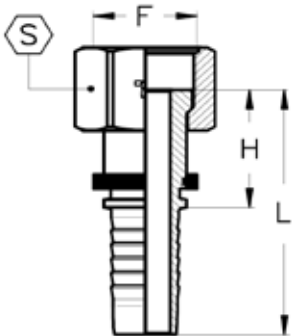


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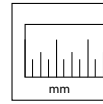
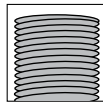
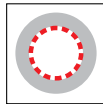
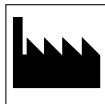


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2020066045	CX0406FRC	6	04	1/4	11/16"-16	28,5	56,5	22	16	16	450	6500
2020066046	CX0504FRC	8	05	5/16	9/16"-18	26,5	54,5	17	14	14	350	5000
2020066047	CX0506FRC	8	05	5/16	11/16"-16	28,5	56,5	22	16	16	350	5000
2020066048	CX0604FRC	10	06	3/8	9/16"-18	26,5	57	17	16	16	450	6500
2020066049	CX0606FRC	10	06	3/8	11/16"-16	28,5	59	22	16	16	450	6500
2020066050	CX0608FRC	10	06	3/8	13/16"-16	32,5	63	24	19	19	450	6500
2020066051	CX0806FRC	12	08	1/2	11/16"-16	30,5	63,5	22	19	19	415	6000
2020066052	CX0808FRC	12	08	1/2	13/16"-16	33,5	66,5	24	19	19	415	6000
2020066053	CX0810FRC	12	08	1/2	1"-14	39,5	72,5	30	24	24	415	6000
2020066054	CX0812FRC	12	08	1/2	1.3/16"-12	43,5	76,5	36	27	27	415	6000
2020066055	CX1010FRC	16	10	5/8	1"-14	39,5	75,5	30	24	24	350	5000
2020066056	CX1012FRC	16	10	5/8	1.3/16"-12	43,5	79,5	36	27	27	350	5000
2020051279	CX1210FRC	20	12	3/4	1"-14	41,5	82	30	27	27	350	5000
2020066057	CX1212FRC	20	12	3/4	1.3/16"-12	44,5	85	36	27	27	350	5000
2020066058	CX1216FRC	20	12	3/4	1.7/16"-12	47,5	88	41	36	36	350	5000
2020066059	CX1612FRC	25	16	1	1.3/16"-12	47	98	36	32	32	280	4000
2020066060	CX1616FRC	25	16	1	1.7/16"-12	49	100	41	36	36	280	4000
2020066061	CX1620FRC	25	20	1	1.11/16"-12	50,5	102	50	41	41	280	4000
2020066062	CX2020FRC	32	20	1.1/4	1.11/16"-12	51	109	50	41	41	210	3000
2020066063	CX2424FRC	40	24	1.1/2	2"-12	54,5	119	60	50	50	185	2700

ORFS - STRAIGHT FEMALE

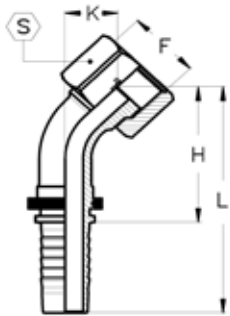


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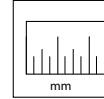
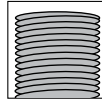
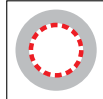
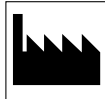


	CODE	DN	SIZE	INCH	F	H	L	S	BAR	PSI
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2020001051	CX0506FRS	8	05	5/16	11/16"-16	25	53	22	350	5000
2020001117	CX0606FRS	10	06	3/8	11/16"-16	24,5	55	22	450	6500
2020052234	CX0608FRS	10	06	3/8	13/16"-16	28,5	59	24	450	6500
2020066064	CX0610FRS	10	06	3/8	1"-14	32,5	63	30	450	6500
2020001251	CX0808FRS	12	08	1/2	13/16"-16	28,5	61,5	24	415	6000
2020001274	CX0810FRS	12	08	1/2	1"-14	33	66	30	415	6000
2020001296	CX0812FRS	12	08	1/2	1.3/16"-12	35,5	68,5	36	415	6000
2020052812	CX1010FRS	16	10	5/8	1"-14	33	68,5	30	350	5000
2020001400	CX1012FRS	16	10	5/8	1.3/16"-12	35,5	71,5	36	350	5000
2020001481	CX1212FRS	20	12	3/4	1.3/16"-12	37,5	78	36	350	5000
2020001514	CX1216FRS	20	12	3/4	1.7/16"-12	39	79,5	41	350	5000
2020052278	CX1616FRS	25	16	1	1.7/16"-12	39,5	90,5	41	280	4000
2020066065	CX1620FRS	25	16	1	1.11/16"-12	40	91	50	280	4000
2020001683	CX2020FRS	32	20	1.1/4	1.11/16"-12	40	97,5	50	210	3000
2020001747	CX2424FRS	40	24	1.1/2	2"-12	40	105	60	185	2700

ORFS - 45° SWEPT ELBOW

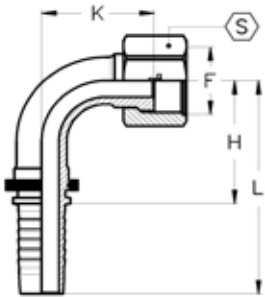


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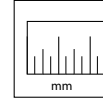
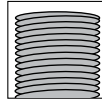
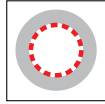
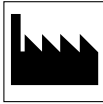


	CODE	DN	SIZE	INCH	F	H	L	K	S	BAR	PSI
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2020000970	CX0406FRS45	6	04	1/4	11/16"-16	34,5	62,5	12,5	22	450	6500
2020066066	CX0504FRS45	8	05	5/16	9/16"-18	33,5	61,5	11	17	350	5000
2020066067	CX0506FRS45	8	05	5/16	11/16"-16	35	63	12,5	22	350	5000
2020066068	CX0604FRS45	10	06	3/8	9/16"-18	35	65,5	11,5	17	450	6500
2020001118	CX0606FRS45	10	06	3/8	11/16"-16	36	66,5	12,5	22	450	6500
2020001147	CX0608FRS45	10	06	3/8	13/16"-16	38,5	69	15	24	450	6500
2020001252	CX0808FRS45	12	08	1/2	13/16"-16	42,5	75,5	15,5	24	415	6000
2020001275	CX0810FRS45	12	08	1/2	1"-14	45	78	17,5	30	415	6000
2020001297	CX0812FRS45	12	08	1/2	1.3/16"-12	47	80	20,5	36	415	6000
2020001376	CX1010FRS45	16	10	5/8	1"-14	49	85	18	30	350	5000
2020001401	CX1012FRS45	16	10	5/8	1.3/16"-12	51,5	87,5	20,5	36	350	5000
2020001482	CX1212FRS45	20	12	3/4	1.3/16"-12	58	99	21	36	350	5000
2020037872	CX1216FRS45	20	12	3/4	1.7/16"-12	60,5	101	23,5	41	350	5000
2020001602	CX1616FRS45	25	16	1	1.7/16"-12	73	124	24	41	280	4000
2020066069	CX1620FRS45	25	20	1	1.11/16"-12	75	126	26,5	50	280	4000
2020001684	CX2020FRS45	32	20	1.1/14	1.11/16"-12	84	142	27	50	210	3000
2020066070	CX2424FRS45	40	24	1.1/2	2"-12	98	163	30	60	185	2700

ORFS - 90° SWEPT ELBOW - SHORT

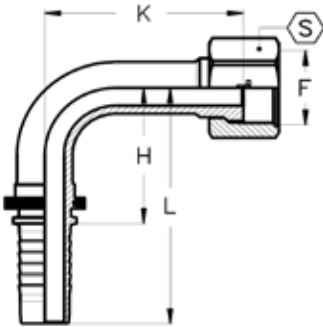


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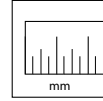
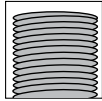
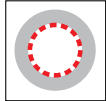
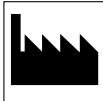


	CODE	DN	SIZE	INCH	F	H	L	K	S	BAR	PSI
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2020000971	CX0406FRS90C	6	04	1/4	11/16"-16	27	55	24	22	450	6500
2020066702	CX0504FRS90C	8	05	5/16	9/16"-18	29	57	23	17	350	5000
2020066703	CX0506FRS90C	8	05	5/16	11/16"-16	29	57	25	22	350	5000
2020066704	CX0604FRS90C	10	06	3/8	9/16"-18	30	60.5	22	17	450	6500
2020001119	CX0606FRS90C	10	06	3/8	11/16"-16	31.5	62	24.5	22	450	6500
2020001148	CX0608FRS90C	10	06	3/8	13/16"-16	31	61	30	24	450	6500
2020001253	CX0808FRS90C	12	08	1/2	13/16"-16	39	72	31	24	415	6000
2020001276	CX0810FRS90C	12	08	1/2	1"-14	39	72	34	30	415	6000
2020066705	CX0812FRS90C	12	08	1/2	1.3/16"-12	39	72	42	36	415	6000
2020053050	CX1010FRS90C	16	10	5/8	1"-14	45	81	35	30	350	5000
2020066706	CX1012FRS90C	16	10	5/8	1.3/16"-12	45	81	42	36	350	5000
2020001483	CX1212FRS90C	20	12	3/4	1.3/16"-12	55	95	45	36	350	5000
2020052566	CX1216FRS90C	20	12	3/4	1.7/16"-12	55	95	49	41	350	5000
2020052817	CX1616FRS90C	25	16	1	1.7/16"-12	71	122	55	41	350	5000
2020066707	CX1620FRS90C	25	20	1	1.11/16"-12	71	122	58	50	280	4000
2020001685	CX2020FRS90C	32	20	1 1/4	1.11/16"-12	86	143	63	50	210	3000
2020066708	CX2424FRS90C	40	24	1 1/2	2"-12	102	167	73	60	185	2700

ORFS - 90° SWEPT ELBOW - LONG DROP

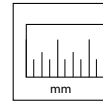
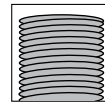
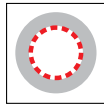
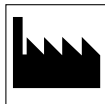
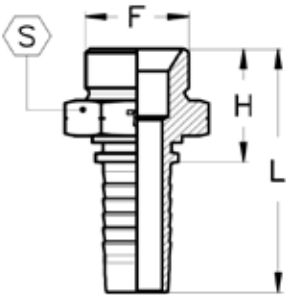


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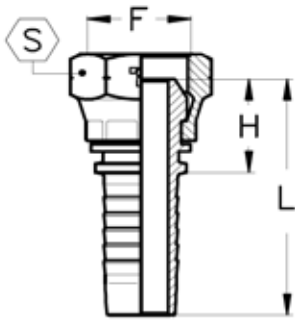
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2020066072	CX0406FRS90L	6	04	1/4	11/16"-16	27	55	54	22	450	6500
2020066073	CX0606FRS90L	10	06	3/8	11/16"-16	34	64.5	54	22	450	6500
2020066074	CX0608FRS90L	10	06	3/8	13/16"-16	34	64.5	64	24	450	6500
2020052983	CX0808FRS90L	12	08	1/2	13/16"-16	39	72	64	24	415	6000
2020066075	CX0810FRS90L	12	08	1/2	1"-14	39	72	70	30	415	6000
2020066076	CX1010FRS90L	16	10	5/8	1"-14	45	81	70	30	350	5000
2020066077	CX1212FRS90L	20	12	3/4	1.3/16"-12	55	95	96	36	350	5000
2020066078	CX1616FRS90L	25	16	1	1.7/16"-12	71	122	114	41	280	4000

METRIC MALE - 60° CONE SEAT

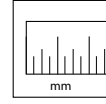
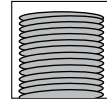
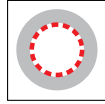
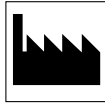


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2020066711	CX04MW10C	6	04	1/4	M10x1	19	47	14	280	4000
2020066712	CX04MW12A	6	04	1/4	M12x1,5	24	52	17	280	4000
2020066713	CX04MW14A	6	04	1/4	M14x1,5	24	52	19	280	4000
2020066714	CX04MW16A	6	04	1/4	M16x1,5	25	53	22	280	4000
2020066715	CX04MW18A	6	04	1/4	M18x1,5	26	54	24	280	4000
2020066716	CX05MW14A	8	05	5/16	M14x1,5	24	52	19	280	4000
2020066717	CX05MW16A	8	05	5/16	M16x1,5	25	53	22	280	4000
2020066718	CX05MW18A	8	05	5/16	M18x1,5	26	54	24	280	4000
2020066719	CX06MW14A	10	06	3/8	M14x1,5	24	54.5	19	280	4000
2020066720	CX06MW16A	10	06	3/8	M16x1,5	25	55.5	22	280	4000
2020066721	CX06MW18A	10	06	3/8	M18x1,5	26	56.5	24	280	4000
2020066722	CX06MW20A	10	06	3/8	M20x1,5	29	59.5	27	280	4000
2020066723	CX06MW22A	10	06	3/8	M22x1,5	29	59.5	27	280	4000
2020066724	CX08MW18A	12	08	1/2	M18x1,5	27	60	24	280	4000
2020066725	CX08MW20A	12	08	1/2	M20x1,5	30	63	27	280	4000
2020066726	CX08MW22A	12	08	1/2	M22x1,5	30	63	27	280	4000
2020066727	CX08MW24A	12	08	1/2	M24x1,5	30	63	30	280	4000
2020066728	CX08MW26A	12	08	1/2	M26x1,5	33	66	32	280	4000
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2020066730	CX10MW24A	16	10	5/8	M24x1,5	30	66	30	280	4000
2020066731	CX10MW26A	16	10	5/8	M26x1,5	33	69	32	280	4000
2020066732	CX10MW27A	16	10	5/8	M27x1,5	33	69	32	280	4000
2020066733	CX12MW26A	20	12	3/4	M26x1,5	34	74.5	32	280	4000
2020066734	CX12MW27A	20	12	3/4	M27x1,5	34	74.5	32	280	4000
2020066735	CX12MW30A	20	12	3/4	M30x1,5	35	75.5	36	210	1500
2020066736	CX16MW38A	25	16	1	M38x1,5	38.5	89.5	46	165	2400
2020066737	CX20MW45A	32	20	1.1/4	M45x1,5	41.5	99	55	125	1800
2020066738	CX24MW52B	40	24	1.1/2	M52x1,5	42.5	107	60	90	1300

METRIC STRAIGHT FEMALE - 60° CONE - PRESSED NUT

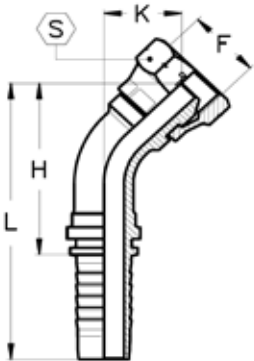


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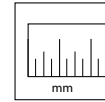
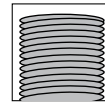
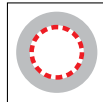
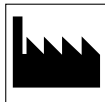


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2020066753	CX03FWP12A	5	03	3/16	M12x1,5	16	41	15	280	4000
2020066754	CX04FWP10C	6	04	1/4	M10x1	17	45	17	280	4000
2020066755	CX04FWP12A	6	04	1/4	M12x1,5	16.5	44.5	15	280	4000
2020053309	CX04FWP14A	6	04	1/4	M14x1,5	18.5	46.5	17	280	4000
2020064421	CX04FWP16A	6	04	1/4	M16x1,5	18.5	46.5	19	280	4000
2020066756	CX04FWP18A	6	04	1/4	M18x1,5	21.5	49.5	22	280	4000
2020066757	CX05FWP14A	8	05	5/16	M14x1,5	19	47	17	280	4000
2020066758	CX05FWP16A	8	05	5/16	M16x1,5	18	46	19	280	4000
2020066759	CX05FWP18A	8	05	5/16	M18x1,5	21.5	49.5	22	280	4000
2020066760	CX06FWP14A	10	06	3/8	M14x1,5	19.5	50	17	280	4000
2020066636	CX06FWP16A	10	06	3/8	M16x1,5	18.5	49	19	280	4000
2020064422	CX06FWP18A	10	06	3/8	M18x1,5	20.5	51	22	280	4000
2020066761	CX06FWP20A	10	06	3/8	M20x1,5	20.5	51	24	280	4000
2020066762	CX06FWP22A	10	06	3/8	M22x1,5	23	53.5	27	280	4000
2020066763	CX08FWP18A	12	08	1/2	M18x1,5	22.5	55.5	22	280	4000
2020066764	CX08FWP20A	12	08	1/2	M20x1,5	21.5	54.5	24	280	4000
2020064423	CX08FWP22A	12	08	1/2	M22x1,5	23	56	27	280	4000
2020066765	CX08FWP24A	12	08	1/2	M24x1,5	23.5	56.5	30	280	4000
2020066766	CX08FWP26A	12	08	1/2	M26x1,5	27	60	32	280	4000
2020066767	CX10FWP22A	16	10	5/8	M22x1,5	24	60	27	280	4000
2020066768	CX10FWP24A	16	10	5/8	M24x1,5	22.5	58.5	30	280	4000
2020066769	CX10FWP26A	16	10	5/8	M26x1,5	27	63	32	280	4000
2020066770	CX10FWP27A	16	10	5/8	M27x1,5	22	63	32	280	4000
2020066771	CX12FWP26A	20	12	3/4	M26x1,5	26.5	67	32	280	4000
2020066772	CX12FWP27A	20	12	3/4	M27x1,5	26.5	67	32	280	4000
2020066773	CX12FWP30A	20	12	3/4	M30x1,5	27	67.5	36	210	3000
2020066774	CX16FWP38A	25	16	1	M38x1,5	31	82	46	165	2350
2020066775	CX20FWP45A	32	20	1.1/4	M45x1,5	32	89.5	50	125	1800
2020066776	CX24FWP52A	40	24	1.1/2	M52x1,5	33.5	98	60	90	1300

45° METRIC SWEPT ELBOW - 60° CONE - PRESSED NUT



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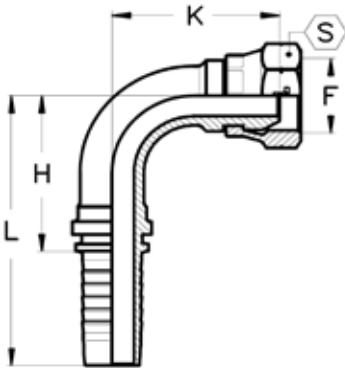


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2020066779	CX04FWP10C45	6	04	1/4	M10x1	36	64	15.5	17	280	4000
2020066780	CX04FWP12A45	6	04	1/4	M12x1,5	35	63	14.5	15	280	4000
2020066834	CX04FWP14A45	6	04	1/4	M14x1,5	37	65	16	17	280	4000
2020066781	CX04FWP16A45	6	04	1/4	M16x1,5	37	65	16	19	280	4000
2020066782	CX04FWP18A45	6	04	1/4	M18x1,5	40	68	19	22	280	4000
2020066783	CX05FWP14A45	8	05	5/16	M14x1,5	39	67	18	17	280	4000
2020066784	CX05FWP16A45	8	05	5/16	M16x1,5	38	66	16	19	280	4000
2020066785	CX05FWP18A45	8	05	5/16	M18x1,5	41	69	19	22	280	4000
2020066786	CX06FWP14A45	10	06	3/8	M14x1,5	41	72	18	17	280	4000
2020066787	CX06FWP16A45	10	06	3/8	M16x1,5	39	70	16	19	280	4000
2020066788	CX06FWP18A45	10	06	3/8	M18x1,5	42	73	19	22	280	4000
2020066789	CX06FWP20A45	10	06	3/8	M20x1,5	42	73	18	24	280	4000
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2020066791	CX08FWP18A45	12	08	1/2	M18x1,5	49	82	22	22	280	4000
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2020066793	CX08FWP24A45	12	08	1/2	M24x1,5	49	82	22	30	280	4000
2020066794	CX08FWP26A45	12	08	1/2	M26x1,5	53	86	26	32	280	3000
2020066795	CX10FWP22A45	16	10	5/8	M22x1,5	57	93	26	27	280	4000
2020066796	CX10FWP24A45	16	10	5/8	M24x1,5	54	90	24	30	280	4000
2020066797	CX10FWP26A45	16	10	5/8	M26x1,5	57	93	26	32	280	4000
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2020066800	CX12FWP27A45	20	12	3/4	M27x1,5	66	106	28	32	280	4000
2020066801	CX12FWP30A45	20	12	3/4	M30x1,5	66	107	29	36	210	3000
2020066802	CX16FWP38A45	25	16	1	M38x1,5	84	135	35	46	165	2350
2020066803	CX20FWP45A45	32	20	1.1/4	M45x1,5	97	155	40	50	125	1800
2020066804	CX24FWP52A45	40	24	1.1/2	M52x1,5	114	179	46	60	90	1300

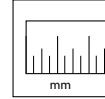
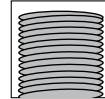
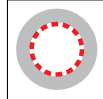
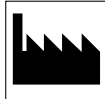
sheffield: +44 (0)114 251 8518
 aberdeen: +44 (0)1224 786166
 ireland: +44 (0)2892 606900
 southampton: +44 (0)23 8069 8700

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 sales@stauffireland.com
 sales@stauffsouthampton.co.uk

90° METRIC SWEPT ELBOW - 60° CONE - PRESSED NUT

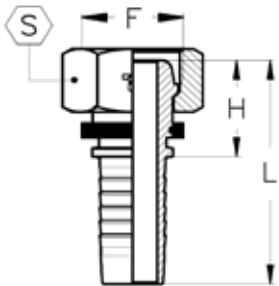


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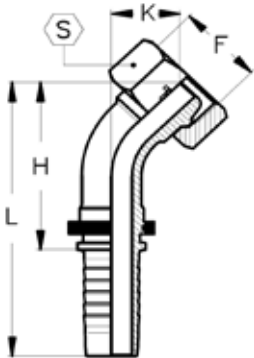
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2020066807	CX04FWP10C90	6	04	1/4	M10x1	26	54	28	17	280	4000
2020066808	CX04FWP12A90	6	04	1/4	M12x1,5	26	54	26	15	280	4000
2020066809	CX04FWP14A90	6	04	1/4	M14x1,5	26	54	28	17	280	4000
2020066810	CX04FWP16A90	6	04	1/4	M16x1,5	26	54	29	19	280	4000
2020066811	CX04FWP18A90	6	04	1/4	M18x1,5	26	54	32	22	280	4000
2020066812	CX05FWP14A90	8	05	5/16	M14x1,5	28	56	31	17	280	4000
2020066813	CX05FWP16A90	8	05	5/16	M16x1,5	28	56	30	19	280	4000
2020066814	CX05FWP18A90	8	05	5/16	M18x1,5	28	56	34	22	280	4000
2020066815	CX06FWP14A90	10	06	3/8	M14x1,5	31	61	34	17	280	4000
2020066816	CX06FWP16A90	10	06	3/8	M16x1,5	31	61	31	19	280	4000
2020066817	CX06FWP18A90	10	06	3/8	M18x1,5	31	61	35	22	280	4000
2020066818	CX06FWP20A90	10	06	3/8	M20x1,5	31	61	36	24	280	4000
2020066819	CX06FWP22A90	10	06	3/8	M22x1,5	31	61	38	27	280	4000
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2020066821	CX08FWP20A90	12	08	1/2	M20x1,5	37	70	40	24	280	4000
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2020066822	CX08FWP24A90	12	08	1/2	M24x1,5	37	70	43	30	280	4000
2020066823	CX08FWP26A90	12	08	1/2	M26x1,5	37	70	48	32	280	4000
2020066824	CX10FWP22A90	16	10	5/8	M22x1,5	45	80	50	27	280	4000
2020066825	CX10FWP24A90	16	10	5/8	M24x1,5	45	80	46	30	280	4000
2020066826	CX10FWP26A90	16	10	5/8	M26x1,5	45	80	50	32	280	4000
2020066827	CX10FWP27A90	16	10	5/8	M27x1,5	45	80	50	32	280	4000
2020066828	CX12FWP26A90	20	12	3/4	M26x1,5	54	95	56	32	280	4000
2020066829	CX12FWP27A90	20	12	3/4	M27x1,5	54	95	56	32	280	4000
2020066830	CX12FWP30A90	20	12	3/4	M30x1,5	54	95	57	36	210	3000
2020066831	CX16FWP38A90	25	16	1	M38x1,5	70	121	71	46	165	2350
2020066832	CX20FWP45A90	32	20	1.1/4	M45x1,5	84	142	83	50	125	1800
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METRIC FEMALE - MULTISEAL



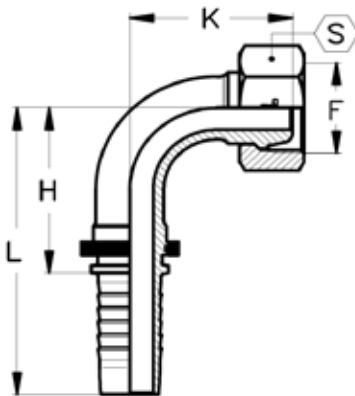
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2020066851	CX06FM12L	10	06	3/8	M18x1,5	12	20	50	22	280	4000	
2020066852	CX08FM15L	12	08	1/2	M22x1,5	15	21	54	27	280	4000	
2020066853	CX10FM18L	16	10	5/8	M26x1,5	18	23	58	32	210	3000	

45° METRIC SWEPT ELBOW - MULTISEAL

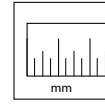
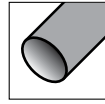
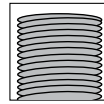
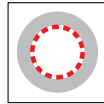
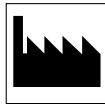


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2020066855	CX05FM10L45	8	05	5/16	M16x1,5	10	37	65	15	19	280	4000	
2020066856	CX06FM12L45	10	06	3/8	M18x1,5	12	39	69	15	22	280	4000	
2020066857	CX08FM15L45	12	08	1/2	M22x1,5	15	45	78	17	27	280	4000	
2020066858	CX10FM18L45	16	10	5/8	M26x1,5	18	52	87	20	32	210	3000	

90° METRIC SWEPT ELBOW - MULTISEAL

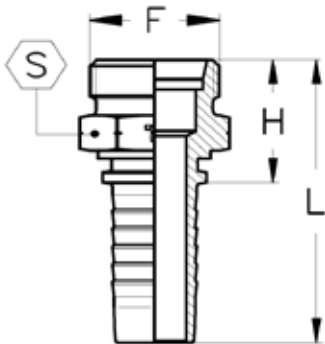


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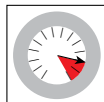
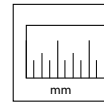
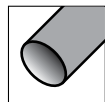
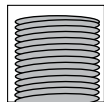
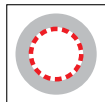
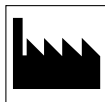


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2020066860	CX05FM10L90	8	05	5/16	M16x1,5	10	31	59	30	19	280	4000
2020066861	CX06FM12L90	10	06	3/8	M18x1,5	12	31	61	30	22	280	4000
2020066862	CX08FM15L90	12	08	1/2	M22x1,5	15	37	70	36	27	280	4000
2020066863	CX10FM18L90	16	10	5/8	M26x1,5	18	45	81	42	32	210	3000

CEL - METRIC MALE - 24° CONE SEAT - LIGHT DUTY

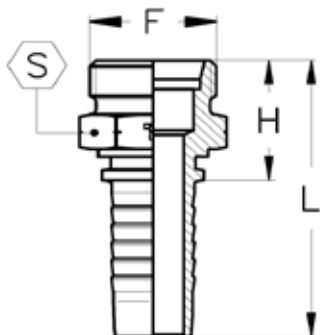


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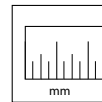
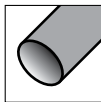
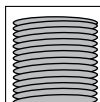
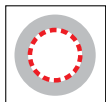
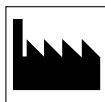


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2020025002	CX04MM6L	6	04	1/4	M12x1,5	6	21	49	12	280	4000
2020025003	CX04MM8L	6	04	1/4	M14x1,5	8	21	49	14	280	4000
2020025004	CX04MM10L	6	04	1/4	M16x1,5	10	23	51	17	280	4000
2020025005	CX04MM12L	6	04	1/4	M18x1,5	12	23	51	19	280	4000
2020025006	CX05MM10L	8	05	5/16	M16x1,5	10	23	51	17	280	4000
2020025007	CX05MM12L	8	05	5/16	M18x1,5	12	23	51	19	280	4000
2020025008	CX06MM10L	10	06	3/8	M16x1,5	10	23	53	17	280	4000
2020025009	CX06MM12L	10	06	3/8	M18x1,5	12	23	53	19	280	4000
2020025010	CX06MM15L	10	06	3/8	M22x1,5	15	25	56	22	280	4000
2020025011	CX08MM15L	12	08	1/2	M22x1,5	15	26	59	22	280	4000
2020025012	CX08MM18L	12	08	1/2	M26x1,5	18	28	61	27	210	3000
2020025013	CX10MM18L	16	10	5/8	M26x1,5	18	28	64	27	210	3000
2020025014	CX10MM22L	16	10	5/8	M30x2	22	30	66	30	210	3000
2020025015	CX12MM18L	20	12	3/4	M26x1,5	18	29	70	27	210	3000
2020025016	CX12MM22L	20	12	3/4	M30x2	22	31	72	30	210	3000
2020025017	CX16MM28L	25	16	1	M36x2	28	35	86	36	165	2450
2020025018	CX20MM35L	32	20	1.1/4	M45x2	35	40	97	46	100	1450
2020025019	CX24MM42L	40	24	1.1/2	M52x2	42	42	106	55	100	1450

CES - METRIC MALE - 24° CONE SEAT - HEAVY DUTY

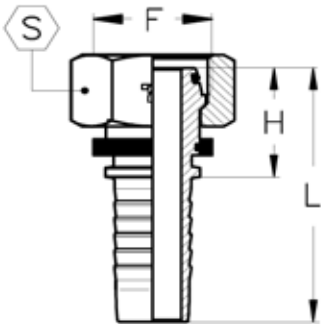


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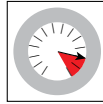
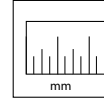
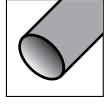
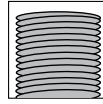
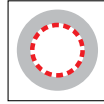
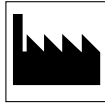


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2020025021	CX03MM8S	5	03	3/16	M16x1,5	8	23	48	17	415	6000
2020025022	CX04MM6S	6	04	1/4	M14x1,5	6	23	51	14	450	6500
2020025023	CX04MM8S	6	04	1/4	M16x1,5	8	23	51	17	450	6500
2020025024	CX04MM10S	6	04	1/4	M18x1,5	10	24	52	19	450	6500
2020025025	CX04MM12S	6	04	1/4	M20x1,5	12	25	53	22	450	6500
2020025026	CX05MM10S	8	05	5/16	M18x1,5	10	24	52	19	350	5000
2020025027	CX05MM12S	8	05	5/16	M20x1,5	12	25	53	22	350	5000
2020025028	CX06MM10S	10	06	3/8	M18x1,5	10	24	55	19	445	6500
2020025029	CX06MM12S	10	06	3/8	M20x1,5	12	25	56	22	445	6500
2020025030	CX06MM14S	10	06	3/8	M22x1,5	14	27	58	22	445	6500
2020025031	CX08MM14S	12	08	1/2	M22x1,5	14	28	61	22	415	6000
2020025032	CX08MM16S	12	08	1/2	M24x1,5	16	29	62	24	415	6000
2020025033	CX10MM20S	16	10	5/8	M30x2	20	32	68	30	350	5000
2020025034	CX12MM20S	20	12	3/4	M30x2	20	33	74	30	350	5000
2020025035	CX12MM25S	20	12	3/4	M36x2	25	37	78	36	350	5000
2020025036	CX16MM25S	25	16	1	M36x2	25	39	90	36	280	4000
2020025037	CX16MM30S	25	16	1	M42x2	30	43	94	46	280	4000
2020025038	CX20MM30S	32	20	1.1/4	M42x2	30	44	101	46	210	3000
2020025039	CX20MM38S	32	20	1.1/4	M52x2	38	48	105	55	210	3000
2020025040	CX24MM38S	40	24	1.1/2	M52x2	38	48	112	55	185	2700

DKOL - METRIC FEMALE - 24° O'RING CONE - LIGHT DUTY

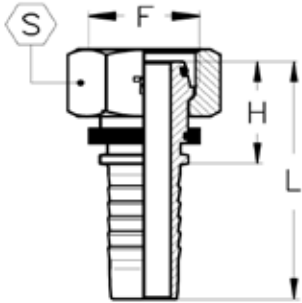


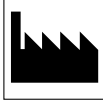
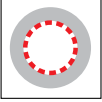
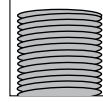
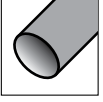
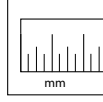

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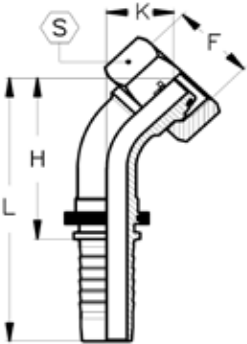
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2020025043	CX04FOS6L	6	04	1/4	M12x1,5	6	23	51	17	5x1	280	4000
2020025044	CX04FOS8L	6	04	1/4	M14x1,5	8	22	50	17	6x1,5	280	4000
2020025045	CX04FOS10L	6	04	1/4	M16x1,5	10	24	52	19	7,5x1,5	280	4000
2020025046	CX04FOS12L	6	04	1/4	M18x1,5	12	24	52	22	9x1,5	280	4000
2020025047	CX05FOS10L	8	05	5/16	M16x1,5	10	24	52	19	7,5x1,5	280	4000
2020025048	CX05FOS12L	8	05	5/16	M18x1,5	12	24	52	22	9x1,5	280	4000
2020025049	CX06FOS10L	10	06	3/8	M16x1,5	10	23	54	19	7,5x1,5	280	4000
2020025050	CX06FOS12L	10	06	3/8	M18x1,5	12	24	54	22	9x1,5	280	4000
2020025051	CX06FOS15L	10	06	3/8	M22x1,5	15	24	54	27	12x2	280	4000
2020025052	CX08FOS15L	12	08	1/2	M22x1,5	15	24	57	27	12x2	280	4000
2020025053	CX08FOS18L	12	08	1/2	M26x1,5	18	26	59	32	15x2	210	3000
2020025054	CX10FOS18L	16	10	5/8	M26x1,5	18	27	62	32	15x2	210	3000
2020025055	CX10FOS22L	16	10	5/8	M30x2	22	28	64	36	20x2	210	3000
2020025056	CX12FOS18L	20	12	3/4	M26x1,5	18	34	75	32	15x2	210	3000
2020025057	CX12FOS22L	20	12	3/4	M30x2	22	31	71	36	20x2	210	3000
2020025058	CX16FOS28L	25	16	1	M36x2	28	32	83	41	26x2	165	2400
2020025059	CX20FOS35L	32	20	1.1/4	M45x2	35	36	94	50	32x2,5	100	1450
2020025060	CX24FOS42L	v40	24	1.1/2	M52x2	42	37	102	60	38x2,5	100	1450

DKOS - METRIC FEMALE - 24° O'RING CONE - HEAVY DUTY

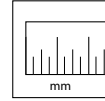
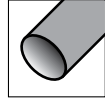
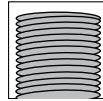
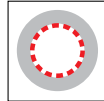
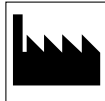


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2020025063	CX04FOS6S	6	04	1/4	M14x1,5	6	23	51	17	5x1	450	6500
2020025064	CX04FOS8S	6	04	1/4	M16x1,5	8	22	50	19	6x1,5	450	6500
2020025065	CX04FOS10S	6	04	1/4	M18x1,5	10	24	52	22	7,5x1,5	450	6500
2020025066	CX04FOS12S	6	04	1/4	M20x1,5	12	24	52	24	9x1,5	450	6500
2020025067	CX05FOS10S	8	05	5/16	M18x1,5	10	24	52	22	7,5x1,5	350	5000
2020025068	CX05FOS12S	8	05	5/16	M20x1,5	12	24	52	24	9x1,5	350	5000
2020025069	CX06FOS10S	10	06	3/8	M18x1,5	10	25	55	22	7,5x1,5	445	6500
2020025070	CX06FOS12S	10	06	3/8	M20x1,5	12	24	54	24	9x1,5	445	6500
2020025071	CX06FOS14S	10	06	3/8	M22x1,5	14	28	58	27	10x2	445	6500
2020025072	CX08FOS14S	12	08	1/2	M22x1,5	14	28	61	27	10x2	415	6000
2020025073	CX08FOS16S	12	08	1/2	M24x1,5	16	29	62	30	12x2	415	6000
2020025074	CX10FOS20S	16	10	5/8	M30x2	20	33	69	36	16,3x2,4	350	5000
2020025075	CX12FOS20S	20	12	3/4	M30x2	20	36	76	36	16,3x2,4	350	5000
2020025076	CX12FOS25S	20	12	3/4	M36x2	25	38	78	46	20,3x2,4	350	5000
2020066079	CX12FOS25SE41	20	12	3/4	M36x2	25	38	78	41	20,3x2,4	350	5000
2020025077	CX16FOS25S	25	16	1	M36x2	25	40	91	46	22x2	280	4000
2020025078	CX16FOS30S	25	16	1	M42x2	30	40	91	50	25,3x2,4	280	4000
2020025079	CX20FOS30S	32	20	1.1/4	M42x2	30	41	99	50	25,3x2,4	210	3000
2020025080	CX20FOS38S	32	20	1.1/4	M52x2	38	45	103	60	33,3x2,4	210	3000
2020025081	CX24FOS38S	40	24	1.1/2	M52x2	38	46	110	60	33,3x2,4	185	2700

DKOL45 - 45° METRIC SWEPT ELBOW - 24° O'RING CONE - LIGHT DUTY

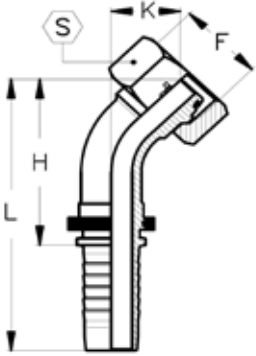


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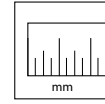
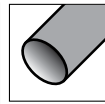
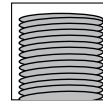
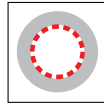
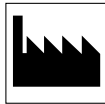


	CODE	DN	SIZE	INCH	F	MM	H	L	K	S1	O'RING	BAR	PSI
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2020025126	CX03FOS8L45	5	03	3/16	M14x1,5	8	35	60	14	17	6x1,5	280	4000
2020025127	CX04FOS6L45	6	04	1/4	M12x1,5	6	35	63	14	17	5x1	280	4000
2020025128	CX04FOS8L45	6	04	1/4	M14x1,5	8	36	64	14	17	6x1,5	280	4000
2020025129	CX04FOS10L45	6	04	1/4	M16x1,5	10	38	66	16	19	7,5x1,5	280	4000
2020025130	CX04FOS12L45	6	04	1/4	M18x1,5	12	39	67	17	22	9x1,5	280	4000
2020025131	CX05FOS10L45	8	05	5/16	M16x1,5	10	39	67	17	19	7,5x1,5	280	4000
2020025132	CX05FOS12L45	8	05	5/16	M18x1,5	12	39	67	18	22	9x1,5	280	4000
2020025133	CX06FOS10L45	10	06	3/8	M16x1,5	10	39	69	16	19	7,5x1,5	280	4000
2020025134	CX06FOS12L45	10	06	3/8	M18x1,5	12	40	71	18	22	9x1,5	280	4000
2020025135	CX06FOS15L45	10	06	3/8	M22x1,5	15	42	72	19	27	12x2	280	4000
2020025136	CX08FOS15L45	12	08	1/2	M22x1,5	15	46	79	19	27	12x2	280	4000
2020025137	CX08FOS18L45	12	08	1/2	M26x1,5	18	47	80	21	32	15x2	210	3000
2020025138	CX10FOS18L45	16	10	5/8	M26x1,5	18	53	89	22	32	15x2	210	3000
2020025139	CX10FOS22L45	16	10	5/8	M30x2	22	54	90	23	36	20x2	210	3000
2020025140	CX12FOS18L45	20	12	3/4	M26x1,5	18	66	107	29	32	15x2	210	3000
2020025141	CX12FOS22L45	20	12	3/4	M30x2	22	62	103	25	36	20x2	210	3000
2020025142	CX16FOS28L45	25	16	1	M36x2	28	80	131	31	41	26x2	165	2400
2020025143	CX20FOS35L45	32	20	1.1/4	M45x2	35	96	154	40	50	32x2,5	100	1450
2020025144	CX24FOS42L45	40	24	1.1/2	M52x2	42	115	179	48	60	38x2,5	100	1450

DKOS45 - 45° METRIC SWEPT ELBOW - 24° O'RING CONE - HEAVY DUTY



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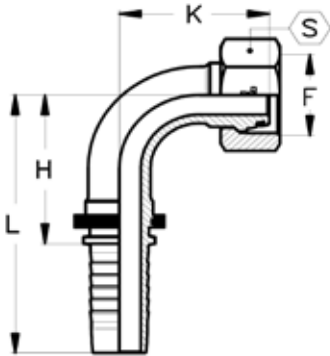


	CODE	DN	SIZE	INCH	F		H	L	K	S	O'RING	BAR	PSI
2020025145	CX03FOS6S45	5	03	3/16	M14x1,5	6	34	59	14	17	5x1	415	6000
2020025146	CX03FOS8S45	5	03	3/16	M16x1,5	8	35	60	14	19	6x1,5	415	6000
2020025147	CX04FOS6S45*	6	04	1/4	M14x1,5	6	35	63	14	17	5x1	450	6500
2020025148	CX04FOS8S45	6	04	1/4	M16x1,5	8	36	64	14	19	6x1,5	450	6500
2020025149	CX04FOS10S45	6	04	1/4	M18x1,5	10	38	66	16	22	7,5x1,5	450	6500
2020025150	CX04FOS12S45	6	04	1/4	M20x1,5	12	39	67	17	24	9x1,5	450	6500
2020025151	CX05FOS10S45	8	05	5/16	M18x1,5	10	39	67	17	22	7,5x1,5	350	5000
2020025152	CX05FOS12S45	8	05	5/16	M20x1,5	12	39	67	18	24	9x1,5	350	5000
2020025153	CX06FOS10S45*	10	06	3/8	M18x1,5	10	40	70	17	22	7,5x1,5	445	6500
2020025154	CX06FOS12S45	10	06	3/8	M20x1,5	12	40	71	18	24	9x1,5	445	6500
2020025155	CX06FOS14S45	10	06	3/8	M22x1,5	14	42	72	19	27	10x2	445	6500
2020025156	CX08FOS14S45	12	08	1/2	M22x1,5	14	46	79	20	27	10x2	415	6000
2020038640	CX08FOS16S45	12	08	1/2	M24x1,5	16	47	80	21	30	12x2	415	6000
2020025158	CX10FOS20S45	16	10	5/8	M30x2	20	56	92	25	36	16,3x2,4	350	5000
2020025159	CX12FOS20S45	20	12	3/4	M30x2	20	64	105	27	36	16,3x2,4	350	5000
2020025160	CX12FOS25S45	20	12	3/4	M36x2	25	64	105	28	46	20,3x2,4	350	5000
2020025166	CX12FOS25S45E41	20	12	3/4	M36x2	25	64	105	28	41	20,3x2,4	350	5000
2020025161	CX16FOS25S45	25	16	1	M36x2	25	82	133	34	41	22x2	280	4000
2020025162	CX16FOS30S45	25	16	1	M42x2	30	80	131	31	50	25,3x2,4	280	4000
2020025163	CX20FOS30S45	32	20	1.1/4	M42x2	30	96	154	41	50	25,3x2,4	210	3000
2020025164	CX20FOS38S45	32	20	1.1/4	M52x2	38	94	152	38	60	33,3x2,4	210	3000
2020025165	CX24FOS38S45	40	24	1.1/2	M52x2	38	115	180	49	60	33,3x2,4	185	2700

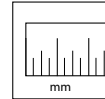
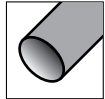
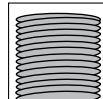
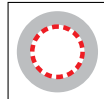
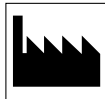
* Swaged nut

** Tiefe nut

DKOL90 - 90° METRIC SWEPT ELBOW - 24° O'RING CONE - LIGHT DUTY



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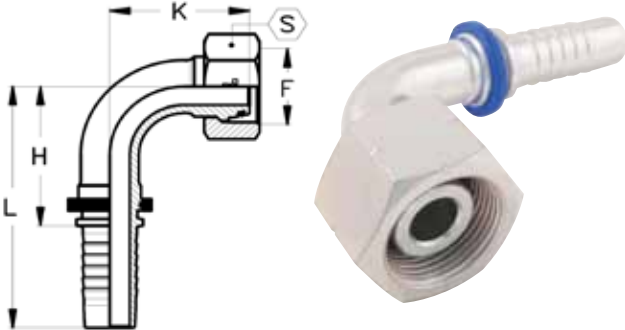


	CODE	DN	SIZE	INCH	F		H	L	K	S	O'RING	BAR	PSI
2020025083	CX03FOS6L90	5	03	3/16	M12x1,5	6	27	52	28	14	5x1	280	4000
2020025084	CX03FOS8L90	5	03	3/16	M14x1,5	8	27	52	28	17	6x1,5	280	4000
2020025085	CX04FOS6L90*	6	04	1/4	M12x1,5	6	26	53	26	17	5x1	280	4000
2020025086	CX04FOS8L90	6	04	1/4	M14x1,5	8	29	57	29	17	6x1,5	280	4000
2020025087	CX04FOS10L90	6	04	1/4	M16x1,5	10	29	57	30	19	7,5x1,5	280	4000
2020025088	CX04FOS12L90	6	04	1/4	M18x1,5	12	29	57	32	22	9x1,5	280	4000
2020025089	CX05FOS10L90	8	05	5/16	M16x1,5	10	31	59	33	19	7,5x1,5	280	4000
2020025090	CX05FOS12L90	8	05	5/16	M18x1,5	12	28	56	32	22	9x1,5	280	4000
2020025091	CX06FOS10L90*	10	06	3/8	M16x1,5	10	31	61	31	19	7,5x1,5	280	4000
2020025092	CX06FOS12L90	10	06	3/8	M18x1,5	12	31	61	33	22	9x1,5	280	4000
2020025093	CX06FOS15L90	10	06	3/8	M22x1,5	15	31	61	35	27	12x2	280	4000
2020025094	CX08FOS15L90	12	08	1/2	M22x1,5	15	37	70	38	27	12x2	280	4000
2020025095	CX08FOS18L90	12	08	1/2	M26x1,5	18	37	70	40	32	15x2	210	3000
2020025096	CX10FOS18L90	16	10	5/8	M26x1,5	18	44	80	45	32	15x2	210	3000
2020025097	CX10FOS22L90	16	10	5/8	M30x2	22	44	80	47	36	20x2	210	3000
2020025098	CX12FOS18L90**	20	12	3/4	M26x1,5	18	54	94	57	32	15x2	210	3000
2020025099	CX12FOS22L90	20	12	3/4	M30x2	22	54	94	52	36	20x2	210	3000
2020025100	CX16FOS28L90	25	16	1	M36x2	28	70	121	66	41	26x2	165	2400
2020025101	CX20FOS35L90	32	20	1.1/4	M45x2	35	84	141	83	50	32x2,5	100	1450
2020025102	CX24FOS42L90	40	24	1.1/2	M52x2	42	100	164	100	60	38x2,5	100	1450

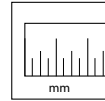
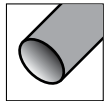
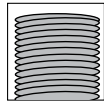
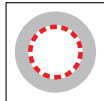
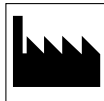
* Swaged nut

** Tiefe nut

DKOS90 - 90° METRIC SWEPT ELBOW - 24° O'RING CONE - HEAVY DUTY

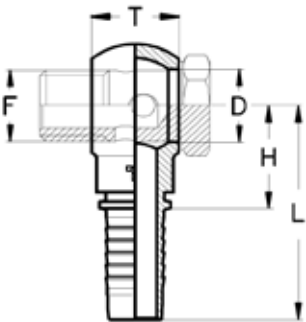


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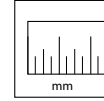
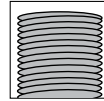
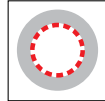
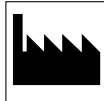


	CODE	DN	SIZE	INCH	F	H	L	K	S	O'RING	BAR	PSI	
2020025103	CX03FOS6S90	5	03	3/16	M14x1,5	6	27	52	28	17	5x1	415	6000
2020025104	CX03FOS8S90	5	03	3/16	M16x1,5	8	27	52	28	19	6x1,5	415	6000
2020025105	CX04FOS6S90	6	04	1/4	M14x1,5	6	25	53	26	17	5x1	450	6500
2020025106	CX04FOS8S90	6	04	1/4	M16x1,5	8	29	57	29	19	6x1,5	450	6500
2020025107	CX04FOS10S90	6	04	1/4	M18x1,5	10	29	57	30	22	7,5x1,5	450	6500
2020025108	CX04FOS12S90	6	04	1/4	M20x1,5	12	29	57	32	24	9x1,5	450	6500
2020025109	CX05FOS10S90	8	05	5/16	M18x1,5	10	31	59	33	22	7,5x1,5	350	5000
2020025110	CX05FOS12S90	8	05	5/16	M20x1,5	12	28	56	32	24	9x1,5	350	5000
2020025111	CX06FOS10S90	10	06	3/8	M18x1,5	10	30	61	33	22	7,5x1,5	445	6500
2020025112	CX06FOS12S90	10	06	3/8	M20x1,5	12	31	61	33	24	9x1,5	445	6500
2020025113	CX06FOS14S90	10	06	3/8	M22x1,5	14	34	64	37	27	10x2	445	6500
2020025114	CX08FOS14S90	12	08	1/2	M22x1,5	14	39	71	41	27	10x2	415	6000
2020025115	CX08FOS16S90	12	08	1/2	M24x1,5	16	39	71	42	30	12x2	415	6000
2020025116	CX10FOS20S90	16	10	5/8	M30x2	20	44	80	49	36	16,3x2,4	350	5000
2020025117	CX12FOS20S90	20	12	3/4	M30x2	20	54	94	55	36	16,3x2,4	350	5000
2020025118	CX12FOS25S90	20	12	3/4	M36x2	25	54	94	57	46	20,3x2,4	350	5000
2020066080	CX12FOS25S90E41	20	12	3/4	M36x2	25	54	94	57	41	20,3x2,4	350	5000
2020025119	CX16FOS25S90	25	16	1	M36x2	25	70	121	70	46	22x2	280	4000
2020025120	CX16FOS30S90	25	16	1	M42x2	30	70	121	66	50	25,3x2,4	280	4000
2020025121	CX20FOS30S90	32	20	1.1/4	M42x2	30	84	141	84	50	25,3x2,4	210	3000
2020025122	CX20FOS38S90	32	20	1.1/4	M52x2	38	84	141	80	60	33,3x2,4	210	3000
2020025123	CX24FOS38S90	40	24	1.1/2	M52x2	38	100	164	101	60	33,3x2,4	185	2700

METRIC BANJO - ONE PIECE

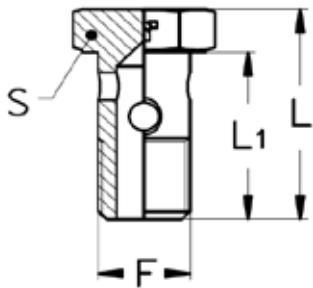


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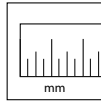
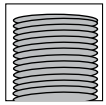
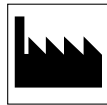


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2020041867	CX0312OM	5	03	3/16	M12x1,5	21,1	46,1	12,1	12	200	2900
2020066081	CX0314OM	5	03	3/16	M14x1,5	22,6	47,6	14,2	14	200	2900
2020000921	CX0402OG	6	04	1/4	M10x1	23	51	10,2	10	200	2900
2020000994	CX0412OM	6	04	1/4	M12x1,5	23	51	12,1	12	200	2900
2020044642	CX0414OM	6	04	1/4	M14x1,5	23	51	14	14	200	2900
2020052818	CX0416OM	6	04	1/4	M16x1,5	26,5	54,5	16,2	17,5	200	2900
2020000997	CX0418OM	6	04	1/4	M18x1,5	28,5	56,5	18,2	20,5	200	2900
2020001074	CX0512OM	8	05	5/16	M12x1,5	23,5	51,5	12,1	12	200	2900
2020067001	CX0514OM	8	05	5/16	M14x1,5	24	52	14,2	14	200	2900
2020020910	CX0516OM	8	05	5/16	M16x1,5	26,5	54,5	16,2	17,5	200	2900
2020066082	CX0518OM	8	05	5/16	M18x1,5	28,5	56,5	18,2	20,5	200	2900
2020001173	CX0614OM	10	06	3/8	M14x1,5	24	54,5	14,2	14	200	2900
2020052815	CX0616OM	10	06	3/8	M16x1,5	24	54,5	16,2	17,5	200	2900
2020001180	CX0618OM	10	06	3/8	M18x1,5	27	57,5	18,2	20,5	200	2900
2020066083	CX0620OM	10	06	3/8	M20x1,5	32	62,5	20,2	23	200	2900
2020066084	CX0622OM	10	06	3/8	M22x1,5	32	62,5	22,2	22,5	200	2900
2020049349	CX0812OG	12	08	1/2	M26x1,5	39	72	26,5	29,5	200	2900
2020042676	CX0818OM	12	08	1/2	M18x1,5	28,1	61,1	18,2	20,5	200	2900
2020001320	CX0820OM	12	08	1/2	M20x1,5	28,5	61,5	20,2	23	200	2900
2020052816	CX0822OM	12	08	1/2	M22x1,5	28,5	61,5	22,2	22,5	200	2900
2020065889	CX1012OG	16	10	5/8	M26x1,5	34,7	70,5	26,5	29,5	200	2900
2020001423	CX1022OM	16	10	5/8	M22x1,5	27,2	63	22,2	22,5	200	2900
2020001492	CX1212OG	20	12	3/4	M26x1,5	37,5	78	26,5	29,5	200	2900
2020066086	CX1230OM	20	12	3/4	M30x1,5	41,5	82	30,2	30	200	2900
2020066087	CX1630OM	25	16	1	M30x1,5	43	94	30,2	37	200	2900

METRIC BANJO - BOLT

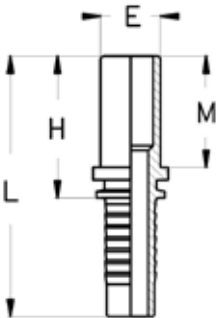


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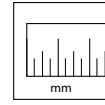
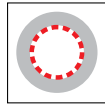
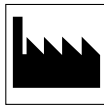


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2020000634	06VS10C	M10x1	26	21,5	14
2020000636	06VS12A	M12x1,5	31	25,5	17
2020000637	06VS14A	M14x1,5	37,5	30,5	19
2020000639	06VS16A	M16x1,5	40	32,5	22
2020000640	06VS18A	M18x1,5	44	36,5	24
2020000641	06VS20A	M20x1,5	48	39,5	27
2020000642	06VS22A	M22x1,5	50	41,0	28
2020000643	06VS26A	M26x1,5	58	48,5	32
2020000644	06VS30A	M30x1,5	64	53	36

BEL BES - METRIC STANDPIPE

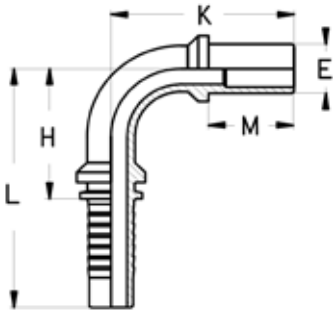


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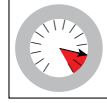
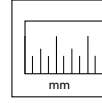
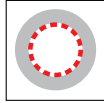
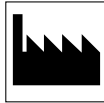


	CODE	DN	SIZE	INCH	E	H	L	M	BAR	PSI
2020000909	CP0306ETB	5	03	3/16	6	29,5	55	23	415	6000
2020047715	CP0308ETB	5	03	3/16	8	29,5	55	23	415	6000
2020038299	CP0406ETB	6	04	1/4	6	27,5	56	21	280	4000
2020069619	CP0408ETB	6	04	1/4	8	29,5	58	23	450	6500
2020000990	CP0410ETB	6	04	1/4	10	31,5	60	25	450	6500
2020000993	CP0412ETB	6	04	1/4	12	32,5	61	25	450	6500
2020001072	CP0510ETB	8	05	5/16	10	31,5	60	25	350	5000
2020047716	CP0512ETB	8	05	5/16	12	31,5	59	25	350	5000
2020001158	CP0610ETB	10	06	3/8	10	28,5	59	22	350	5000
2020001167	CP0612ETB	10	06	3/8	12	31,5	62	25	445	6500
2020001172	CP0614ETB	10	06	3/8	14	34,5	65	28	445	6500
2020001176	CP0615ETB	10	06	3/8	15	30,5	61	24	280	4000
2020001307	CP0814ETB	12	08	1/2	14	35,5	68,5	28	415	6000
2020001310	CP0815ETB	12	08	1/2	15	31,5	64,5	24	280	4000
2020069495	CP0816ETB	12	08	1/2	16	36,5	69,5	29	415	6000
2020001318	CP0818ETB	12	08	1/2	18	33,5	66,5	26	210	3000
2020001414	CP1018ETB	16	10	5/8	18	33,5	69,5	26	210	3000
2020001417	CP1020ETB	16	10	5/8	20	42,5	78,5	35	350	5000
2020001422	CP1022ETB	16	10	5/8	22	35,5	71,5	28	210	3000
2020001527	CP1218ETB	20	12	3/4	18	34,5	75,5	26	210	3000
2020001530	CP1220ETB	20	12	3/4	20	43,5	84,5	35	350	5000
2020001535	CP1222ETB	20	12	3/4	22	36,5	77,5	28	210	3000
2020001538	CP1225ETB	20	12	3/4	25	47,5	88,5	39	350	5000
2020001633	CP1625ETB	25	16	1	25	49	104	39	280	4000
2020001636	CP1628ETB	25	16	1	28	39	94	29	165	2400
2020001639	CP1630ETB	25	16	1	30	53	108	43	280	4000
2020001712	CP2030ETB	32	20	1.1/4	30	53,5	114,5	43	210	3000
2020001714	CP2035ETB	32	20	1.1/4	35	45,5	106,5	35	125	1800
2020001717	CP2038ETB	32	20	1.1/4	38	58,5	119,5	48	210	3000
2020001764	CP2438ETB	40	24	1.1/2	38	59,5	130	48	185	2700
2020001765	CP2442ETB	40	24	1.1/2	42	47,5	118	36	100	1450

BEL 90 BES 90 - 90° METRIC STANDPIPE - ONE PIECE

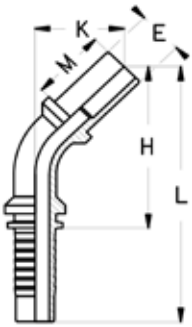


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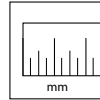
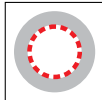


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2020047753	CP0308ET90B	5	03	3/16	8	21	47	37,5	23	415	6000
2020000957	CP0406ET90B	6	04	1/4	6	24	52	39	21	280	4000
2020000981	CP0408ET90B	6	04	1/4	8	24	52	39	23	450	6500
2020000989	CP0410ET90B	6	04	1/4	10	24	52	41	25	450	6500
2020000992	CP0412ET90B	6	04	1/4	12	24	52	42,5	25	450	6500
2020001071	CP0510ET90B	8	05	5/16	10	31	59	45	25	350	5000
2020001073	CP0512ET90B	8	05	5/16	12	31	59	45	25	350	5000
2020001157	CP0610ET90B	10	06	3/8	10	34	64	48	22	350	5000
2020001166	CP0612ET90B	10	06	3/8	12	34	64	49	25	445	6500
2020001171	CP0614ET90B	10	06	3/8	14	34	64	52	28	445	6500
2020001175	CP0615ET90B	10	06	3/8	15	34	64	48	24	280	4000
2020001306	CP0814ET90B	12	08	1/2	14	41	74	57,5	28	415	6000
2020001309	CP0815ET90B	12	08	1/2	15	41	74	53,5	24	280	4000
2020001312	CP0816ET90B	12	08	1/2	16	41	74	58,5	29	415	6000
2020001317	CP0818ET90B	12	08	1/2	18	41	74	55,5	26	210	3000
2020001413	CP1018ET90B	16	10	5/8	18	49	85	61,5	26	210	3000
2020001416	CP1020ET90B	16	10	5/8	20	49	85	70,5	35	350	5000
2020001421	CP1022ET90B	16	10	5/8	22	49	85	60	28	210	3000
2020001526	CP1218ET90B	20	12	3/4	18	58	99	69	26	210	3000
2020001529	CP1220ET90B	20	12	3/4	20	58	99	78	35	350	5000
2020001534	CP1222ET90B	20	12	3/4	22	58	99	71	28	210	3000
2020001537	CP1225ET90B	20	12	3/4	25	58	99	82	39	350	5000
2020001632	CP1625ET90B	25	16	1	25	74	129	99	39	280	4000
2020001635	CP1628ET90B	25	16	1	28	74	129	89	29	165	2400
2020001638	CP1630ET90B	25	16	1	30	74	129	96	43	280	4000
2020001711	CP2030ET90B	32	20	1.1/4	30	92	153	109,5	43	210	3000
2020050181	CP2035ET90B	32	20	1.1/4	35	92	153	107	35	125	1800
2020001716	CP2038ET90B	32	20	1.1/4	38	92	153	114,5	48	210	3000
2020031210	CP2438ET90B	40	24	1.1/2	38	108	179	128	48	185	2700
2020031211	CP2442ET90B	40	24	1.1/2	42	108	179	120	36	100	1450

BEL 45 BES 45 - 45° METRIC STANDPIPE - ONE PIECE

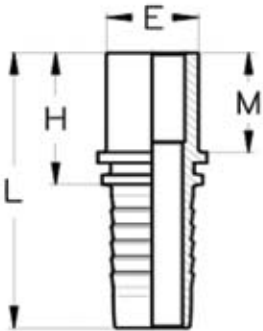


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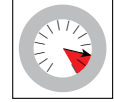
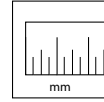
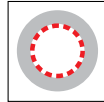
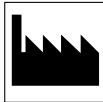


	CODE	DN	SIZE	INCH	E	H	L	K	M	BAR	PSI
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2020064140	CP0308ET45B	5	03	3/16	8	44,5	70	22,5	23	415	6000
2020000956	CP0406ET45B	6	04	1/4	6	48	77	24	21	280	4000
2020000980	CP0408ET45B	6	04	1/4	8	48	76,5	24	23	450	6500
2020000988	CP0410ET45B	6	04	1/4	10	49,5	78	25,5	25	450	6500
2020000991	CP0412ET45B	6	04	1/4	12	50,5	79	26,5	25	450	6500
2020031203	CP0510ET45B	8	05	5/16	10	51,5	80	27,5	25	350	5000
2020066092	CP0512ET45B	8	05	5/16	12	57,5	86	27,5	25	350	5000
2020001156	CP0610ET45B	10	06	3/8	10	62	92,5	27,5	22	350	5000
2020001165	CP0612ET45B	10	06	3/8	12	62,5	93	28,5	25	445	6500
2020001170	CP0614ET45B	10	06	3/8	14	64,5	95	30,5	28	445	6500
2020001174	CP0615ET45B	10	06	3/8	15	61,5	92,5	27,5	24	280	4000
2020001305	CP0814ET45B	12	08	1/2	14	73,5	106,5	34	28	415	6000
2020001308	CP0815ET45B	12	08	1/2	15	70,5	103,5	31	24	280	4000
2020001311	CP0816ET45B	12	08	1/2	16	74	107	34,5	29	415	6000
2020001316	CP0818ET45B	12	08	1/2	18	72	105	32,5	26	210	3000
2020001412	CP1018ET45B	16	10	5/8	18	86,5	122,5	34	26	210	3000
2020001415	CP1020ET45B	16	10	5/8	20	92,5	128,5	40,5	35	350	5000
2020001420	CP1022ET45B	16	10	5/8	22	85,5	121,5	33	28	210	3000
2020066093	CP1218ET45B	20	12	3/4	18	94,5	135,5	41	26	210	3000
2020001528	CP1220ET45B	20	12	3/4	20	100,5	141,5	47	35	350	5000
2020001533	CP1222ET45B	20	12	3/4	22	96	137	42,5	28	210	3000
2020001536	CP1225ET45B	20	12	3/4	25	103,5	144,5	50	39	350	5000
2020001631	CP1625ET45B	25	16	1	25	131	186	63	39	280	4000
2020001634	CP1628ET45B	25	16	1	28	124	178	56	29	165	2400
2020001637	CP1630ET45B	25	16	1	30	126,5	181,5	58,5	43	280	4000
2020001710	CP2030ET45B	32	20	1.1/4	30	152,5	213,5	69	43	210	3000
2020001713	CP2035ET45B	32	20	1.1/4	35	153	214	69	35	125	1800
2020001715	CP2038ET45B	32	20	1.1/4	38	156	217	72,5	48	210	3000
2020001763	CP2438ET45B	40	24	1.1/2	38	184	254	79	48	185	2700
2020066094	CP2442ET45B	40	24	1.1/2	42	175	246	71	36	100	1450

STRAIGHT FRENCH METRIC STANDPIPE - GAZ TYPE

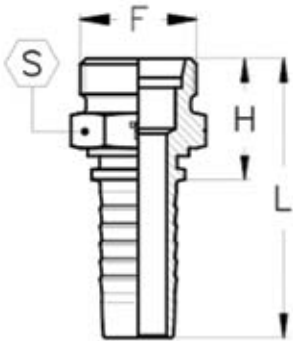


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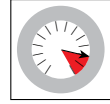
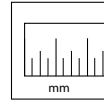
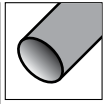
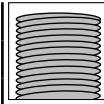
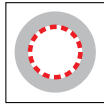
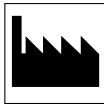


	CODE	DN	SIZE	INCH	E	H	L	M	BAR	PSI
2020066095	CX0413ETF	6	04	1/4	13.25	31	59	24	400	5800
2020066096	CX0513ETF	8	05	5/16	13.25	30.5	58.5	24	350	5000
2020066097	CX0613ETF	10	06	3/8	13.25	30.5	61	24	330	4800
2020066098	CX0617ETF	10	06	3/8	16.75	33	63.5	26	330	4800
2020066099	CX0817ETF	12	08	1/2	16.75	33.5	66.5	26	280	4000
2020066100	CX0821ETF	12	08	1/2	21.25	36.5	69.5	28	280	4000
2020066101	CX1021ETF	16	10	5/8	21.25	36	71.5	28	280	4000
2020066102	CX1221ETF	20	12	3/4	21.25	37	77.5	28	280	4000
2020066103	CX1227ETF	20	12	3/4	26.75	40.5	81	30	210	3000
2020066104	CX1633ETF	25	16	1	33.5	44	95	32	210	3000
2020066105	CX2033ETF	32	20	1.1/4	33.5	43	100.5	32	125	1800

FRENCH METRIC MALE - 24° CONE SEAT - GAZ TYPE

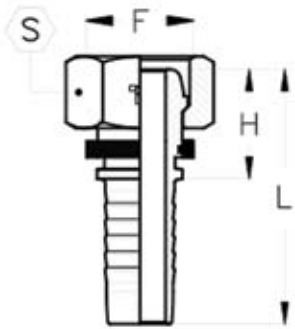


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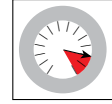
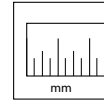
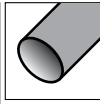
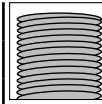
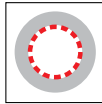
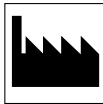


	CODE	DN	SIZE	INCH	F		H	L	S	BAR	PSI
2020066106	CX0413MF	6	04	1/4	M20x1,5	13.25	25	53	22	400	5800
2020066107	CX0513MF	8	05	5/16	M20x1,5	13.25	25	53	22	350	5000
2020001169	CX0613MF	10	06	3/8	M20x1,5	13.25	25	55.5	22	330	4800
2020001179	CX0617MF	10	06	3/8	M24x1,5	16.75	26	56.5	24	330	4800
2020001315	CX0817MF	12	08	1/2	M24x1,5	16.75	27	60	24	280	4000
2020001321	CX0821MF	12	08	1/2	M30x1,5	21.25	30	63	30	280	4000
2020001419	CX1021MF	16	10	5/8	M30x1,5	21.25	30	66	30	280	4000
2020001532	CX1221MF	20	12	3/4	M30x1,5	21.25	31	71.5	30	280	4000
2020001540	CX1227MF	20	12	3/4	M36x1,5	26.75	33	73.5	36	210	3000
2020001641	CX1633MF	25	16	1	M45x1,5	33.5	38.5	89.5	46	210	3000
2020066108	CX2033MF	32	20	1.1/4	M45x1,5	33.5	39.5	97	46	125	1800

STRAIGHT FRENCH MALE - 24° CONE - GAZ TYPE

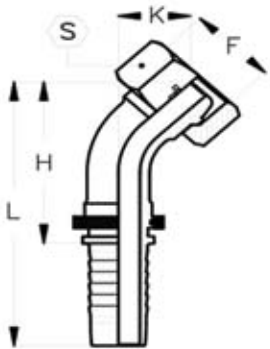


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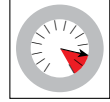
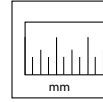
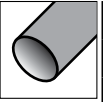
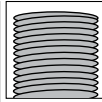
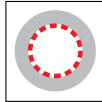
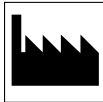


	CODE	DN	SIZE	INCH	F		H	L	S	BAR	PSI
2020066109	CX0413FF	6	04	1/4	M20x1,5	13.25	22	50	24	400	5800
2020066110	CX0513FF	8	05	5/16	M20x1,5	13.25	22	50	24	350	5000
2020066111	CX0613FF	10	06	3/8	M20x1,5	13.25	21.5	52	24	330	4800
2020066112	CX0617FF	10	06	3/8	M24x1,5	16.75	25.5	56	30	330	4800
2020066113	CX0817FF	12	08	1/2	M24x1,5	16.75	25.5	58.5	30	280	4000
2020066114	CX0821FF	12	08	1/2	M30x1,5	21.25	26.5	59.5	36	280	4000
2020066115	CX1021FF	16	10	5/8	M30x1,5	21.25	26.5	62	36	280	4000
2020066116	CX1221FF	20	12	3/4	M30x1,5	21.25	27.5	68	36	280	4000
2020066117	CX1227FF	20	12	3/4	M36x1,5	26.75	29	68.5	41	210	3000
2020066118	CX1633FF	25	16	1	M45x1,5	33.5	31.5	82.5	50	210	3000
2020066119	CX2033FF	32	20	1.1/4"	M45x1,5	33.5	32	89.5	50	125	1800

45° FRENCH METRIC SWEPT ELBOW - 24° CONE - GAZ TYPE

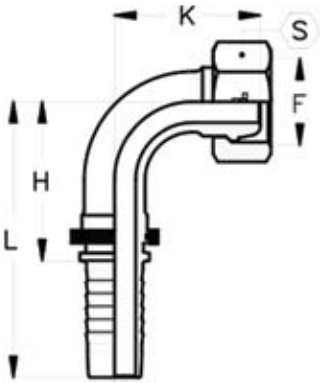


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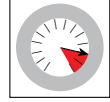
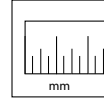
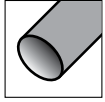
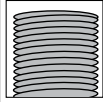
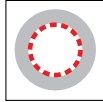
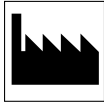


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2020066124	CX0513FF45	8	05	5/16	M20x1,5	13.25	38.5	66.5	16.5	24	350	5000
2020047303	CX0613FF45	10	06	3/8	M20x1,5	13.25	39.5	70	16.5	24	330	4800
2020066125	CX0617FF45	10	06	3/8	M24x1,5	16.75	43	73.5	20	30	330	4800
2020066126	CX0817FF45	12	08	1/2	M24x1,5	16.75	47	80	20.5	30	280	4000
2020066127	CX0821FF45	12	08	1/2	M30x1,5	21.25	48.5	81.5	22	36	280	4000
2020066128	CX1021FF45	16	10	5/8	M30x1,5	21.25	52.5	88.5	22	36	280	4000
2020066129	CX1221FF45	20	12	3/4	M30x1,5	21.25	60	100.5	23	36	280	4000
2020040775	CX1227FF45	20	12	3/4	M36x1,5	26.75	62	103	25	41	210	3000
2020066130	CX1633FF45	25	16	1	M45x1,5	33.5	78.5	130	30.5	50	210	3000
2020066131	CX2033FF45	32	20	1. 1/4	M45x1,5	33.5	94	152	38	50	125	1800

90° FRENCH METRIC SWEPT ELBOW - 24° CONE - GAZ TYPE



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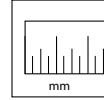
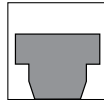
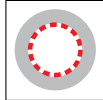
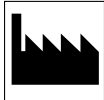


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2020066132	CX0413FF90	6	04	1/4	M20x1,5	13.25	26.5	54.5	29	24	400	5800
2020066133	CX0513FF90	8	05	5/16	M20x1,5	13.25	28	56	30	24	350	5000
2020044095	CX0613FF90	10	06	3/8	M20x1,5	13.25	30.5	61	31.5	24	330	4800
2020066134	CX0617FF90	10	06	3/8	M24x1,5	16.75	30.5	61	37	30	330	4800
2020044096	CX0817FF90	12	08	1/2	M24x1,5	16.75	37	70	40	30	280	4000
2020066135	CX0821FF90	12	08	1/2	M30x1,5	21.25	37	70	42	36	280	4000
2020066136	CX1021FF90	16	10	5/8	M30x1,5	21.25	44.5	80	44.5	36	280	4000
2020066137	CX1221FF90	20	12	3/4	M30x1,5	21.25	53.5	94	48.5	36	280	4000
2020040774	CX1227FF90	20	12	3/4	M36x1,5	26.75	53.5	94	52	41	210	3000
2020066138	CX1633FF90	25	16	1	M45x1,5	33.5	69.5	120.5	64.5	50	210	3000
2020066139	CX2033FF90	32	20	1.1/4	M45x1,5	33.5	84	141.5	80.5	50	125	1800

STRAIGHT FLANGE (ISO 61 FLANGE END)



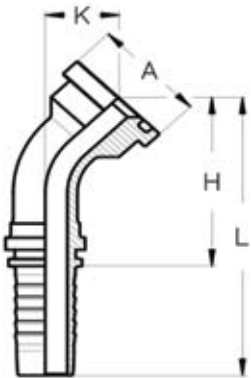
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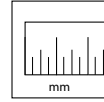
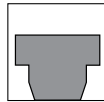
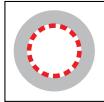
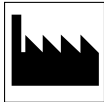
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2020066141	CX0810FL *	12.5	-08	1/2	-10	5/8	47	80	34	350	5000
2020066142	CX0812FL	12.5	-08	1/2	-12	3/4	47	80	38.1	350	5000
2020066143	CX1008FL	16	-10	5/8	-08	1/2	48	84	30.2	350	5000
2020066144	CX1010FL *	16	-10	5/8	-10	5/8	48	84	34	350	5000
2020066145	CX1012FL	16	-10	5/8	-12	3/4	48	84	38.1	350	5000
2020066146	CX1208FL	19	-12	3/4	-08	1/2	49.5	90	30.2	350	5000
2020066147	CX1212FL	19	-12	3/4	-12	3/4	54	94.5	38.1	350	5000
2020066148	CX1216FL	19	-12	3/4	-16	1	54	94.5	44.5	350	5000
2020066149	CX1612FL	25	-16	1	-12	3/4	55	106	38.1	280	4000
2020066150	CX1616FL	25	-16	1	-16	1	55	106	44.5	280	4000
2020066151	CX1620FL	25	-16	1	-20	1.1/4	55	106	50.8	280	4000
2020066152	CX2016FL	31.5	-20	1.1/4	-16	1	62	120	44.5	210	3000
2020066153	CX2020FL	31.5	-20	1.1/4	-20	1.1/4	62	120	50.8	210	3000
2020066154	CX2024FL	31.5	-20	1.1/4	-24	1.1/2	62	120	60.3	210	3000
2020066155	CX2424FL	38	-24	1.1/2	-24	1.1/2	67.5	132	60.3	185	2700
2020066156	CX2432FL	38	-24	1.1/2	-32	2	67.5	132	71.4	185	2700
2020066157	CX3232FL	51	-32	2	-32	2	70	140	71.4	175	2500
2020066158	CX3240FL	51	-32	2	-40	2.1/2	80	150	84.1	175	2500

Komatsu style flange

45° FLANGE ELBOW (ISO 61 FLANGE END)



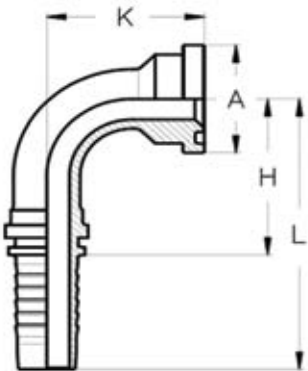
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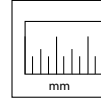
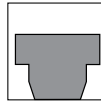
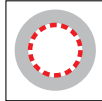
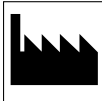
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2020066159	CX0808FL45	12.5	-08	1/2	-08	1/2	47	80	20	30.2	350	5000
2020066160	CX0810FL45 *	12.5	-08	1/2	-10	5/8	48	81	22	34	350	5000
2020066161	CX0812FL45	12.5	-08	1/2	-12	3/4	51	84	24	38.1	350	5000
2020066165	CX1008FL45	16	-10	5/8	-08	1/2	51	87	21	30.2	350	5000
2020066166	CX1010FL45 *	16	-10	5/8	-10	5/8	53	89	22	34	350	5000
2020066167	CX1012FL45	16	-10	5/8	-12	3/4	55	91	24	38.1	350	5000
2020066168	CX1208FL45	19	-12	3/4	-08	1/2	64	104	26	30.2	350	5000
2020066169	CX1212FL45	19	-12	3/4	-12	3/4	62	102	25	38.1	350	5000
2020066170	CX1216FL45	19	-12	3/4	-16	1	64	104	27	44.5	350	5000
2020066171	CX1612FL45	25	-16	1	-12	3/4	80	131	30	38.1	280	4000
2020066172	CX1616FL45	25	-16	1	-16	1	77	128	28	44.5	280	4000
2020066173	CX1620FL45	25	-16	1	-20	1.1/4	77	128	28	50.8	280	4000
2020066174	CX2016FL45	31.5	-20	1.1/4	-16	1	94	152	37	44.5	210	3000
2020066175	CX2020FL45	31.5	-20	1.1/4	-20	1.1/4	88	146	32	50.8	210	3000
2020066176	CX2024FL45	31.5	-20	1.1/4	-24	1.1/2	88	146	32	60.3	210	3000
2020066177	CX2424FL45	38	-24	1.1/2	-24	1.1/2	105	169	37	60.3	185	2700
2020066178	CX2432FL45	38	-24	1.1/2	-32	2	105	169	37	71.4	185	2700
2020066179	CX3232FL45	51	-32	2	-32	2	144	214	55	71.4	175	2500
2020066180	CX3240FL45	51	-32	2	-40	2.1/2	142	212	53	84.1	175	2500

Komatsu style flange

90° FLANGE ELBOW (ISO 61 FLANGE END)



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	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020068181	CX0808FL90	12.5	-08	1/2	-08	1/2	38	71	40	30.2	350	5000
2020066182	CX0810FL90 *	12.5	-08	1/2	-10	5/8	38	71	42	34	350	5000
2020066183	CX0812FL90	12.5	-08	1/2	-12	3/4	38	71	45	38.1	350	5000
2020066184	CX1008FL90	16	-10	5/8	-08	1/2	45	81	42	30.2	350	5000
2020066185	CX1010FL90 *	16	-10	5/8	-10	5/8	45	81	44	34	350	5000
2020066186	CX1012FL90	16	-10	5/8	-12	3/4	45	81	47	38.1	350	5000
2020066187	CX1208FL90	19	-12	3/4	-08	1/2	55	95	54	30.2	350	5000
2020066188	CX1212FL90	19	-12	3/4	-12	3/4	55	95	51	38.1	350	5000
2020066189	CX1216FL90	19	-12	3/4	-16	1	55	95	54	44.5	280	4000
2020066190	CX1612FL90	25	-16	1	-12	3/4	70	121	65	38.1	280	4000
2020066191	CX1616FL90	25	-16	1	-16	1	70	121	61	44.5	280	4000
2020066192	CX1620FL90	25	-16	1	-20	1.1/4	70	121	61	50.8	280	4000
2020066193	CX2016FL90	31.5	-20	1.1/4	-16	1	85	142	78	44.5	210	3000
2020066194	CX2020FL90	31.5	-20	1.1/4	-20	1.1/4	85	142	70	50.8	210	3000
2020066195	CX2024FL90	31.5	-20	1.1/4	-24	1.1/2	85	142	70	60.3	210	3000
2020066196	CX2424FL90	38	-24	1.1/2	-24	1.1/2	105	170	83	60.3	185	2700
2020053430	CX2432FL90	38	-24	1.1/2	-32	2	105	170	83	71.4	185	2700
2020066198	CX3232FL90	51	-32	2	-32	2	140	210	122	71.4	175	2500
2020066199	CX3240FL90	51	-32	2	-40	2.1/2	140	210	120	84.1	175	2500

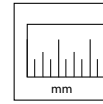
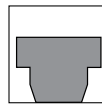
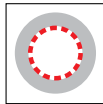
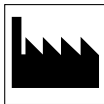
Komatsu style flange

sheffield: +44 (0)114 251 8518 sales@stauff.co.uk
 aberdeen: +44 (0)1224 786166 sales@stauffscotland.co.uk
 ireland: +44 (0)2892 606900 sales@stauffireland.com
 southampton: +44 (0)23 8069 8700 sales@stauffsouthampton.co.uk

22,5° FLANGE ELBOW (ISO 61 FLANGE END)

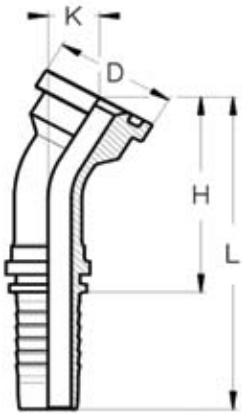


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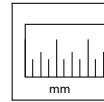
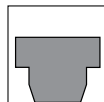
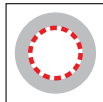
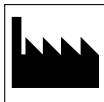


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020066200	CX0808FL22	12.5	-08	1/2	-08	1/2	53	86	10	30.2	350	5000
2020066201	CX0812FL22	12.5	-08	1/2	-12	3/4	58	91	11	38.1	350	5000
2020066202	CX1212FL22	19	-12	3/4	-12	3/4	69	110	11	38.1	350	5000
2020066203	CX1216FL22	19	-12	3/4	-16	1	72	112	12	44.5	350	4000
2020066204	CX1616FL22	25	-16	1	-16	1	84	135	12	44.5	280	4000
2020066205	CX1620FL22	25	-16	1	-20	1.1/4	84	135	12	50.8	280	3000
2020066206	CX2020FL22	31.5	-20	1.1/4	-20	1.1/4	97	155	14	50.8	210	3000
2020066207	CX2024FL22	31.5	-20	1.1/4	-24	1.1/2	97	155	14	60.3	210	3000
2020066208	CX2424FL22	38	-24	1.1/2	-24	1.1/2	113	178	18	60.3	185	2650
2020066209	CX3232FL22	51	-32	2	-32	2	159	229	23	71.4	175	2500

30° FLANGE ELBOW (ISO 61 FLANGE END)

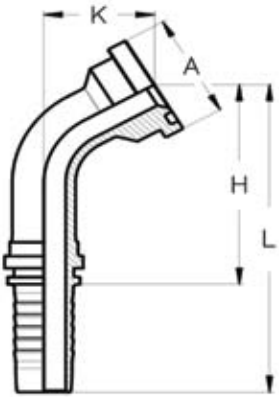


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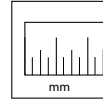
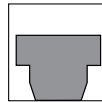
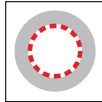
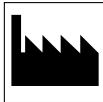


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	D	BAR	PSI
2020066210	CX0808FL30	12.5	-08	1/2	-08	1/2	51	84	13	30.2	350	5000
2020066211	CX0812FL30	12.5	-08	1/2	-12	3/4	56	89	16	38.1	350	5000
2020066212	CX1212FL30	19	-12	3/4	-12	3/4	65	106	16	38.1	350	5000
2020066213	CX1216FL30	19	-12	3/4	-16	1	68	108	17	44.5	350	5000
2020066214	CX1616FL30	25	-16	1	-16	1	82	133	17	44.5	280	4000
2020066215	CX1620FL30	25	-16	1	-20	1.1/4	82	133	17	50.8	280	4000
2020066216	CX2020FL30	31.5	-20	1.1/4	-20	1.1/4	95	153	19	50.8	210	3000
2020066217	CX2024FL30	31.5	-20	1.1/4	-24	1.1/2	95	153	19	60.3	210	3000
2020066218	CX2424FL30	38	-24	1.1/2	-24	1.1/2	111	175	25	60.3	185	2700
2020066219	CX3232FL30	51	-32	2	-32	2	156	226	33	71.4	175	2500

60° FLANGE ELBOW (ISO 61 FLANGE END)

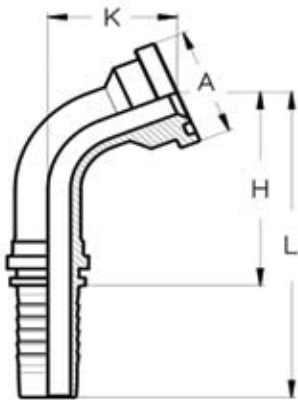


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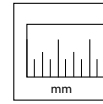
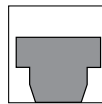
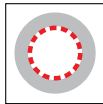
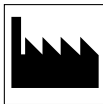


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020066221	CX0808FL60	12.5	-08	1/2	-08	1/2	55	88	27	30.2	350	5000
2020066222	CX0812FL60	12.5	-08	1/2	-12	3/4	58	91	32	38.1	350	5000
2020066220	CX1212FL60	19	-12	3/4	-12	3/4	73	113	34	38.1	350	5000
2020066225	CX1216FL60	19	-12	3/4	-16	1	74	114	36	44.5	350	4000
2020066226	CX1616FL60	25	-16	1	-16	1	97	148	39	44.5	280	4000
2020066227	CX1620FL60	25	-16	1	-20	1.1/4	97	148	39	50.8	280	3000
2020066228	CX2020FL60	31.5	-20	1.1/4	-20	1.1/4	115	173	44	50.8	210	3000
2020066229	CX2024FL60	31.5	-20	1.1/4	-24	1.1/2	115	173	44	60.3	210	3000
2020066230	CX2424FL60	38	-24	1.1/2	-24	1.1/2	137	201	51	60.3	185	2700
2020066231	CX3232FL60	51	-32	2	-32	2	188	258	77	71.4	175	2500

67,5° FLANGE ELBOW (ISO 61 FLANGE END)



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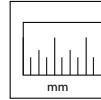
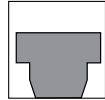
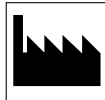


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2020066232	CX0808FL67	12.5	-08	1/2	-08	1/2	51	84	30	30.2	350	5000
2020066233	CX0812FL67	12.5	-08	1/2	-12	3/4	54	87	36	38.1	350	5000
2020066234	CX1212FL67	19	-12	3/4	-12	3/4	68	108	38	38.1	350	5000
2020066235	CX1216FL67	19	-12	3/4	-16	1	69	109	41	44.5	350	4000
2020066236	CX1616FL67	25	-16	1	-16	1	91	142	44	44.5	280	4000
2020066237	CX1620FL67	25	-16	1	-20	1.1/4	91	142	44	50.8	280	3000
2020066238	CX2020FL67	31.5	-20	1.1/4	-20	1.1/4	109	167	51	50.8	210	3000
2020066239	CX2024FL67	31.5	-20	1.1/4	-24	1.1/2	109	167	51	60.	210	3000
2020066240	CX2424FL67	38	-24	1.1/2	-24	1.1/2	129	194	59	60.3	185	2700
2020066241	CX3232FL67	51	-32	2	-32	2	177	247	87	71.4	175	2500

O'RING SEAL FOR ISO 61 FLANGE END

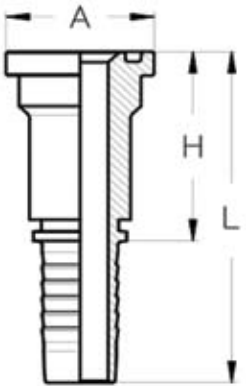


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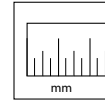
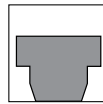
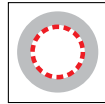
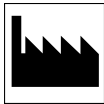


	CODE	SIZE	INCH	ISO 3601-1	SAE
2020066242	OR19x3,55	-08	1/2	19x3,55	18,64x3,53
2020066243	OR25x3,55	-12	3/4	25x3,55	24,99x3,53
2020066244	OR32,5x3,55	-16	1	32,5x3,55	32,92x3,53
2020066245	OR37,5x3,55	-20	1.1/4	37,5x3,55	37,69x3,53
2020066246	OR47,5x3,55	-24	1.1/2	47,5x3,55	47,22x3,53
2020066247	OR56x3,55	-32	2	56x3,55	56,74x3,53

STRAIGHT FLANGE (ISO 62 FLANGE END)

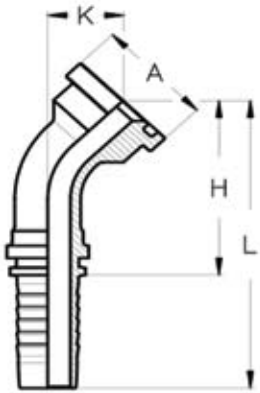


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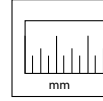
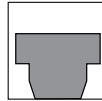
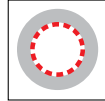


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	A	BAR	PSI
2020066248	CX0808FP	12.5	-08	1/2	-08	1/2	47	80	31.8	415	6000
2020066249	CX0812FP	12.5	-08	1/2	-12	3/4	47	80	41.3	415	6000
2020066250	CX1008FP	16	-10	5/8	-08	1/2	48	84	31.8	350	5000
2020066251	CX1012FP	16	-10	5/8	-12	3/4	48	84	41.3	350	5000
2020066252	CX1208FP	19	-12	3/4	-08	1/2	50	90.5	31.8	350	5000
2020066253	CX1212FP	19	-12	3/4	-12	3/4	58	98.5	41.3	350	5000
2020066254	CX1216FP	19	-12	3/4	-16	1	58	98.5	47.6	350	5000
2020066255	CX1612FP	25	-16	1	-12	3/4	60	115	41.3	280	4000
2020066256	CX1616FP	25	-16	1	-16	1	64	115	47.6	280	4000
2020066257	CX1620FP	25	-16	1	-20	1.1/4	64	115	54	280	4000
2020066258	CX2016FP	31.5	-20	1.1/4	-16	1	67.5	125	47.6	210	3000
2020066259	CX2020FP	31.5	-20	1.1/4	-20	1.1/4	67.5	125	54	210	3000
2020066260	CX2024FP	31.5	-20	1.1/4	-24	1.1/2	67.5	125	63.5	210	3000
2020066261	CX2424FP	38	-24	1.1/2	-24	1.1/2	79.5	144	63.5	185	2700
2020066262	CX2432FP	38	-24	1.1/2	-32	2	79.5	144	79.4	185	2700
2020066263	CX3232FP	51	-32	2	-32	2	95	165	79.4	175	2500

45° FLANGE ELBOW (ISO 62 FLANGE END)

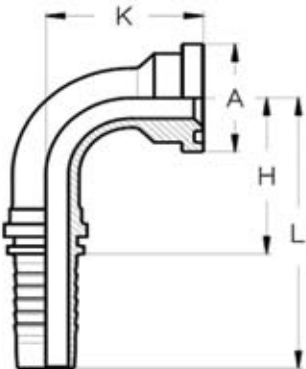


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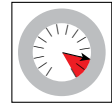
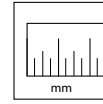
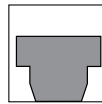
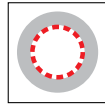
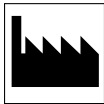


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020066264	CX0808FP45	12.5	-08	1/2	-08	1/2	47	80	20	31.8	415	6000
2020066265	CX0812FP45	12.5	-08	1/2	-12	3/4	53	86	26	41.3	415	6000
2020066266	CX1008FP45	16	-10	5/8	-08	1/2	51	87	21	31.8	350	5000
2020066267	CX1012FP45	16	-10	5/8	-12	3/4	57	93	26	41.3	350	5000
2020066268	CX1208FP45	19	-12	3/4	-08	1/2	64	104	26	31.8	350	5000
2020066269	CX1212FP45	19	-12	3/4	-12	3/4	64	104	26	41.3	350	5000
2020066270	CX1216FP45	19	-12	3/4	-16	1	68	108	31	47.6	350	5000
2020066271	CX1612FP45	25	-16	1	-12	3/4	79	130	31	41.3	280	4000
2020066272	CX1616FP45	25	-16	1	-16	1	80	131	32	47.6	280	4000
2020066273	CX1620FP45	25	-16	1	-20	1.1/4	85	136	37	54	280	4000
2020066274	CX2016FP45	31.5	-20	1.1/4	-16	1	94	152	37	47.6	210	3000
2020066275	CX2020FP45	31.5	-20	1.1/4	-20	1.1/4	93	151	37	54	210	3000
2020066276	CX2024FP45	31.5	-20	1.1/4	-24	1.1/2	99	157	43	63.5	210	3000
2020066277	CX2424FP45	38	-24	1.1/2	-24	1.1/2	111	175	44	63.5	185	2700
2020066278	CX2432FP45	38	-24	1.1/2	-32	2	122	186	55	79.4	185	2700
2020066279	CX3232FP45	51	-32	2	-32	2	147	217	58	79.4	175	2500

90° FLANGE ELBOW (ISO 62 FLANGE END)

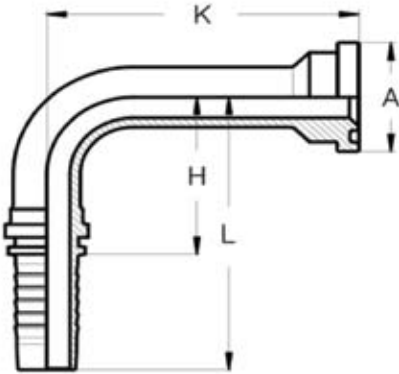


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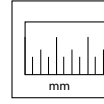
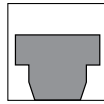
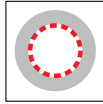
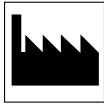


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020066280	CX0808FP90	12.5	-08	1/2	-08	1/2	38	71	40	31.8	415	6000
2020066281	CX0812FP90	12.5	-08	1/2	-12	3/4	38	71	47	41.3	415	6000
2020066282	CX1008FP90	16	-10	5/8	-08	1/2	45	81	42	31.8	350	5000
2020066283	CX1012FP90	16	-10	5/8	-12	3/4	45	81	50	41.3	350	5000
2020066284	CX1208FP90	19	-12	3/4	-08	1/2	55	95	54	31.8	350	5000
2020066285	CX1212FP90	19	-12	3/4	-12	3/4	55	95	54	41.3	350	5000
2020066286	CX1216FP90	19	-12	3/4	-16	1	55	95	60	47.6	350	5000
2020066287	CX1612FP90	25	-16	1	-12	3/4	70	121	65	41.3	280	4000
2020066288	CX1616FP90	25	-16	1	-16	1	70	121	66	47.6	280	4000
2020066289	CX1620FP90	25	-16	1	-20	1.1/4	70	121	73	54	280	4000
2020066290	CX2016FP90	31.5	-20	1.1/4	-16	1	85	142	80	47.6	210	3000
2020066291	CX2020FP90	31.5	-20	1.1/4	-20	1.1/4	85	142	78	54	210	3000
2020066292	CX2024FP90	31.5	-20	1.1/4	-24	1.1/2	85	142	86	63.5	210	3000
2020066293	CX2424FP90	38	-24	1.1/2	-24	1.1/2	105	170	93	63.5	185	2700
2020066340	CX2432FP90	38	-24	1.1/2	-32	2	105	170	109	79.4	185	2700
2020066294	CX3232FP90	51	-32	2	-32	2	140	210	125	79.4	175	2500

90° LONG DROP FLANGE ELBOW (ISO 62 FLANGE END)

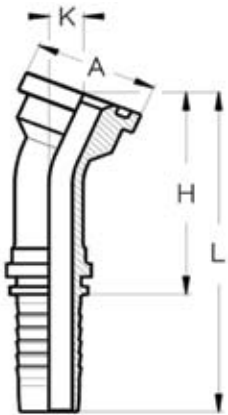


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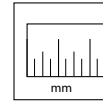
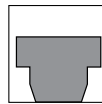
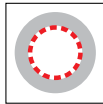


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020066295	CX1212FP90-K85	19	-12	3/4	-12	3/4	55	95	85	41.3	350	5000
2020066296	CX1212FP90-K100	19	-12	3/4	-12	3/4	55	95	100	41.3	350	5000
2020066297	CX1216FP90-K140	19	-12	3/4	-16	1	55	95	140	47.6	350	5000
2020066298	CX1616FP90-K120	25	-16	1	-16	1	70	121	120	47.6	280	4000
2020066299	CX2020FP90-K120	31.5	-20	1.1/4	-20	1.1/4	85	142	120	54	210	3000

22,5° FLANGE ELBOW (ISO 62 FLANGE END)

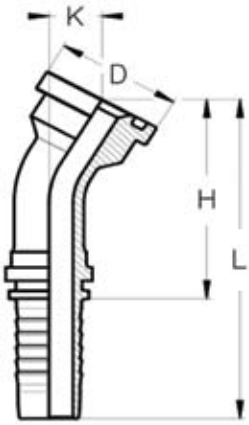


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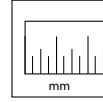
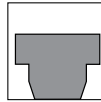
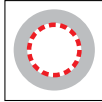
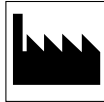


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020066300	CX0808FP22	12.5	-08	1/2	-08	1/2	53	86	10	31.8	415	6000
2020066301	CX0812FP22	12.5	-08	1/2	-12	3/4	60	93	13	41.3	415	6000
2020066302	CX1212FP22	19	-12	3/4	-12	3/4	71	112	13	41.3	350	5000
2020066303	CX1216FP22	19	-12	3/4	-16	1	77	117	15	47.6	350	5000
2020066304	CX1616FP22	25	-16	1	-16	1	89	140	15	47.6	280	4000
2020066305	CX1620FP22	25	-16	1	-20	1.1/4	95	146	17	54	280	4000
2020066306	CX2020FP22	31.5	-20	1.1/4	-20	1.1/4	103	161	17	54	210	3000
2020066307	CX2024FP22	31.5	-20	1.1/4	-24	1.1/2	112	169	20	63.5	210	3000
2020066308	CX2424FP22	38	-24	1.1/2	-24	1.1/2	123	188	20	63.5	185	2700
2020066309	CX3232FP22	51	-32	2	-32	2	163	233	25	79.4	175	2500

30° FLANGE ELBOW (ISO 62 FLANGE END)

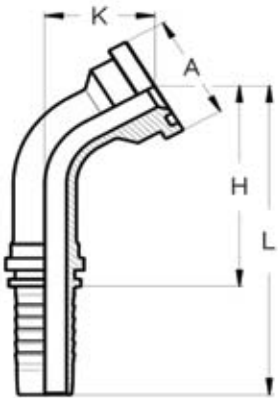


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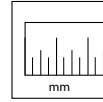
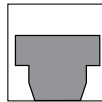
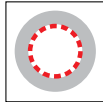
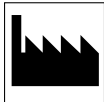


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	D	BAR	PSI
2020066310	CX0808FP30	12.5	-08	1/2	-08	1/2	51	84	13	31.8	415	6000
2020066311	CX0812FP30	12.5	-08	1/2	-12	3/4	58	91	17	41.3	415	6000
2020066312	CX1212FP30	19	-12	3/4	-12	3/4	69	110	17	41.3	350	5000
2020066313	CX1216FP30	19	-12	3/4	-16	1	75	115	20	47.6	350	5000
2020066314	CX1616FP30	25	-16	1	-16	1	87	138	20	47.6	280	4000
2020066315	CX1620FP30	25	-16	1	-20	1.1/4	93	144	23	54	280	4000
2020066316	CX2020FP30	31.5	-20	1.1/4	-20	1.1/4	101	159	23	54	210	3000
2020066317	CX2024FP30	31.5	-20	1.1/4	-24	1.1/2	109	166	28	63.5	210	3000
2020066318	CX2424FP30	38	-24	1.1/2	-24	1.1/2	121	185	28	63.5	185	2700
2020066319	CX3232FP30	51	-32	2	-32	2	160	230	35	79.4	175	2500

60° FLANGE ELBOW (ISO 62 FLANGE END)

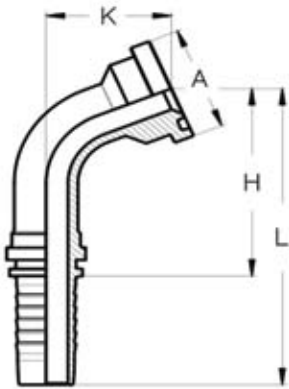


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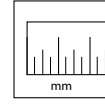
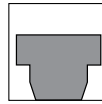
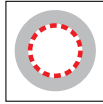
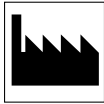


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020066320	CX0808FP60	12.5	-08	1/2	-08	1/2	55	88	27	31.8	415	6000
2020066321	CX0812FP60	12.5	-08	1/2	-12	3/4	59	92	34	41.3	415	6000
2020066322	CX1212FP60	19	-12	3/4	-12	3/4	78	118	36	41.3	350	5000
2020066323	CX1216FP60	19	-12	3/4	-16	1	81	121	41	47.6	350	5000
2020066324	CX1616FP60	25	-16	1	-16	1	99	150	43	47.6	280	4000
2020066325	CX1620FP60	25	-16	1	-20	1.1/4	103	154	49	54	280	4000
2020066326	CX2020FP60	31.5	-20	1.1/4	-20	1.1/4	119	177	51	54	210	3000
2020066327	CX2024FP60	31.5	-20	1.1/4	-24	1.1/2	123	181	58	63.5	210	3000
2020066328	CX2424FP60	38	-24	1.1/2	-24	1.1/2	142	206	60	63.5	185	2700
2020066329	CX3232FP60	51	-32	2	-32	2	190	260	80	79.4	175	2500

67,5° FLANGE ELBOW (ISO 62 FLANGE END)



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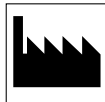


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020066330	CX0808FP67	12.5	-08	1/2	-08	1/2	51	84	31	31.8	415	6000
2020066331	CX0812FP67	12.5	-08	1/2	-12	3/4	54	87	38	41.3	415	6000
2020066332	CX1212FP67	19	-12	3/4	-12	3/4	73	113	41	41.3	350	5000
2020066333	CX1216FP67	19	-12	3/4	-16	1	75	116	46	47.6	350	5000
2020066334	CX1616FP67	25	-16	1	-16	1	93	144	49	47.6	280	4000
2020066335	CX1620FP67	25	-16	1	-20	1.1/4	96	147	56	54	280	4000
2020066336	CX2020FP67	31.5	-20	1.1/4	-20	1.1/4	112	170	58	54	210	3000
2020066337	CX2024FP67	31.5	-20	1.1/4	-24	1.1/2	115	173	66	63.5	210	3000
2020066338	CX2424FP67	38	-24	1.1/2	-24	1.1/2	134	198	69	63.5	185	2700
2020066339	CX3232FP67	51	-32	2	-32	2	179	249	92	79.4	175	2500

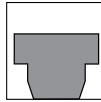
O'RING SEAL FOR ISO 62 FLANGE END



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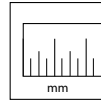


CODE



SIZE

INCH

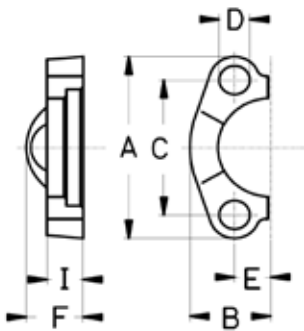


ISO 3601-1

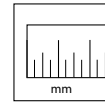
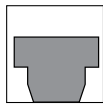
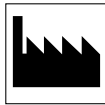
SAE

	CODE	SIZE	INCH	ISO 3601-1	SAE
2020066353	OR19x3,55	-08	1/2	19x3,55	18,64x3,53
2020066354	OR25x3,55	-12	3/4	25x3,55	24,99x3,53
2020066355	OR32,5x3,55	-16	1	32,5x3,55	32,92x3,53
2020066356	OR37,5x3,55	-20	1.1/4	37,5x3,55	37,69x3,53
2020066357	OR47,5x3,55	-24	1.1/2	47,5x3,55	47,22x3,53
2020066358	OR56x3,55	-32	2	56x3,55	56,74x3,53

SAE J518 SPLIT FLANGE HALF - 3000 PSI

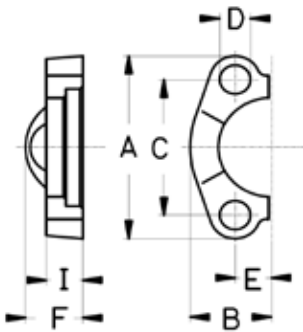


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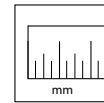
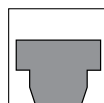


	CODE	INCH	A	B	C	D	E	F	I
2020066359	13SL08	1/2	54	23	38,1	8,75	8,7	20	13
2020066360	13SL12	3/4	65	26	47,6	10,5	11,1	22	14
2020066361	13SL16	1	52,4	29,2	52,4	10,5	13,1	22	16
2020066362	13SL20	1.1/4	58,7	36,3	58,7	12	15,1	22	14
2020066363	13SL24	1.1/2	69,9	41,1	69,9	13,5	17,9	24	16
2020066364	13SL32	2	77,8	48,2	77,8	13,5	21,4	26	16

SAE J518 SPLIT FLANGE HALF - 6000 PSI

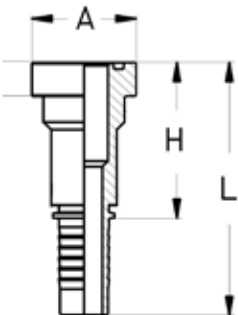


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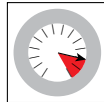
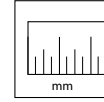
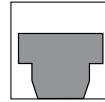
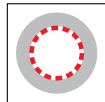
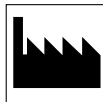


	CODE	INCH	A	B	C	D	E	F	I
2020066366	13SP08	1/2	57	24	40,5	8,75	9,1	22	16
2020066367	13SP12	3/4	72	30	50,8	10,5	11,9	28	19
2020066368	13SP16	1	81	35	57,2	13	13,9	32	24
2020066369	13SP20	1.1/4	96	39	66,7	15	15,8	38	27
2020066371	13SP24	1.1/2	113	48	79,4	17	18,3	42	30
2020066372	13SP32	2	134	57	96,8	21	22,2	52	37

SFS - "SUPERCAT" STRAIGHT FLANGE

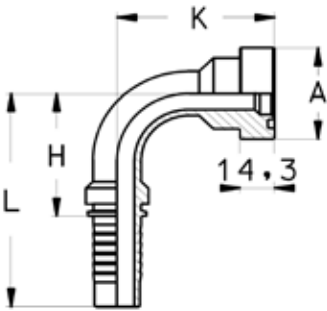


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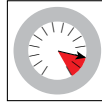
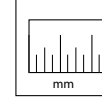
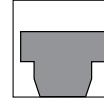
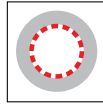
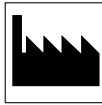


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	A	BAR	PSI
2020066373	CX1212YP	19	-12	3/4	-12	3/4	66	106.5	41.3	350	5000
2020066374	CX1216YP	19	-12	3/4	-16	1	68	108.5	47.6	350	5000
2020066375	CX1616YP	25	-16	1	-16	1	72	123	47.6	280	4000
2020066376	CX1620YP	25	-16	1	-20	1.1/4	75	126	54	280	4000
2020066377	CX2020YP	31.5	-20	1.1/4	-20	1.1/4	75	133	54	210	3000
2020066378	CX2024YP	31.5	-20	1.1/4	-24	1.1/2	82	140	63.5	210	3000
2020066379	CX2424YP	38	-24	1.1/2	-24	1.1/2	83	147.5	63.5	185	2700

SFS90 - 90° "SUPERCAT" FLANGE - ONE PIECE

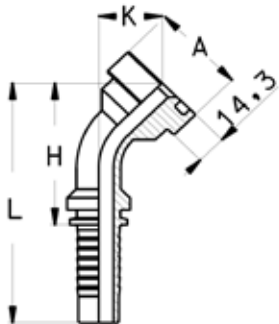


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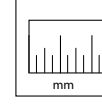
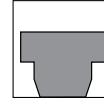
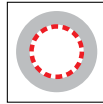
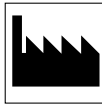


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020066380	CX1212YP90	19	-12	3/4	-12	3/4	55	95	64	41.3	350	5000
2020066381	CX1216YP90	19	-12	3/4	-16	1	55	95	67	47.6	350	5000
2020066382	CX1616YP90	25	-16	1	-16	1	71	122	73	47.6	280	4000
2020066383	CX1620YP90	25	-16	1	-20	1.1/4	71	122	75	54	280	4000
2020066384	CX2020YP90	31.5	-20	1.1/4	-20	1.1/4	86	143	80	54	210	3000
2020066385	CX2024YP90	31.5	-20	1.1/4	-24	1.1/2	86	143	89	63.5	210	3000
2020066386	CX2424YP90	38	-24	1.1/2	-24	1.1/2	102	167	95	63.5	185	2700

SFS45 - 45° "SUPERCAT" FLANGE - ONE PIECE

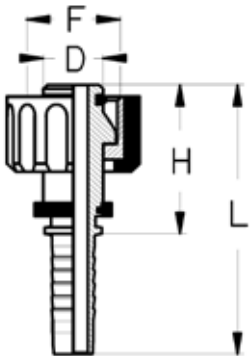


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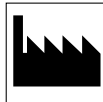


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020066370	CX1212YP45	19	-12	3/4	-12	3/4	71	112	34	41.3	350	5000
2020066387	CX1216YP45	19	-12	3/4	-16	1	74	114	36	47.6	350	5000
2020066388	CX1616YP45	25	-16	1	-16	1	86	137	37	47.6	280	4000
2020066389	CX1620YP45	25	-16	1	-20	1.1/4	88	139	38	54	280	4000
2020066390	CX2020YP45	31.5	-20	1.1/4	-20	1.1/4	86	154	39	54	210	3000
2020066391	CX2024YP45	31.5	-20	1.1/4	-24	1.1/2	102	160	45	63.5	210	3000
2020066392	CX2424YP45	38	-24	1.1/2	-24	1.1/2	114	179	45	63.5	185	2700

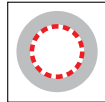
DKOK - WASHCLEANER FEMALE - "FK" TYPE



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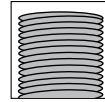
CODE



DN

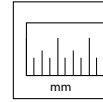
SIZE

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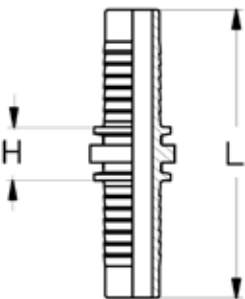


D

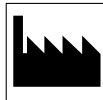
O'RING

	CODE	DN	SIZE	INCH		H	L	D	O'RING
2020000999	CX04FK22	6	04	1/4	M22x1,5	34,8	62,8	14	10x2
2020051569	CX05FK22	8	05	5/16	M22x1,5	37,8	65,8	14	10x2
2020049832	CX06FK22	10	06	3/8	M22x1,5	37,8	68,3	14	10x2

DOUBLE HOSE INSERT

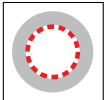


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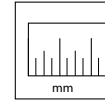
CODE

DN



SIZE

INCH



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L

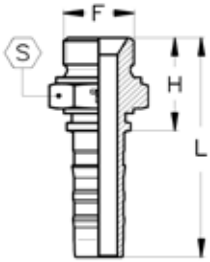


BAR

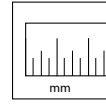
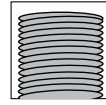
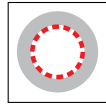
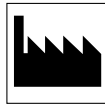
PSI

	CODE	DN	SIZE	INCH	H	L	BAR	PSI
2020000998	CP04CP	6	04	1/4	13	70	450	6500
2020001076	CP05CP	8	05	5/16	13	70	350	5000
2020001182	CP06CP	10	06	3/8	13	74	445	6500
2020001324	CP08CP	12	08	1/2	15	81	415	6000
2020001424	CP10CP	16	10	5/8	15	87	350	5000
2020001542	CP12CP	20	12	3/4	17	99	350	5000
2020001642	CP16CP	25	16	1	20	130	280	4000
2020045100	CP20CP	32	20	1.1/4	21	143	210	3000

BSP PARALLEL MALE - 60° CONE SEAT

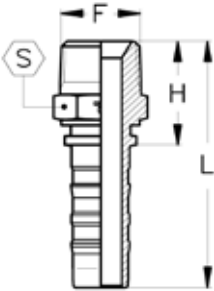


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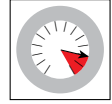
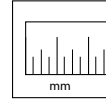
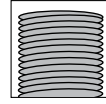
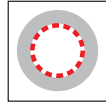
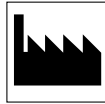


	CODE	DN	SIZE	INCH	F	H	L	S	BAR	PSI
2020044841	CS1212MG	20	12	3/4	3/4"-14	38	89	32	420	6000
2020044840	CS1216MG	20	12	3/4	1"-11	43	94	41	380	5500
2020044839	CS1616MG	25	16	1	1"-11	45	101	41	380	5500
2020044838	CS1620MG	25	16	1	1.1/4"-11	48	104	50	325	4700
2020044837	CS2020MG	32	20	1.1/4	1.1/4"-11	50	117	50	325	4700
2020044836	CS2024MG	32	20	1.1/4	1.1/2"-11	53	120	55	290	4200
2020044835	CS2424MG	40	24	1.1/2	1.1/2"-11	55	138	55	290	4200
2020044834	CS3232MG	50	32	2	2"-11	63	159	70	250	3600

BSP TAPER MALE - 60° CONE SEAT

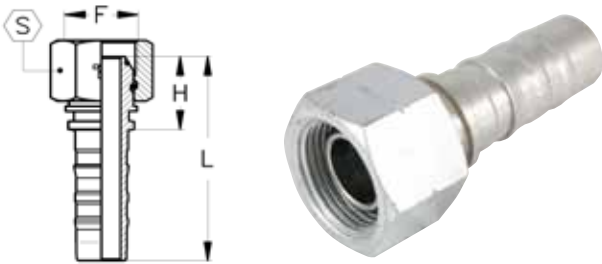


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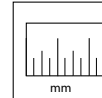
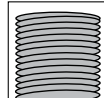
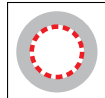
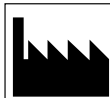


	CODE	DN	SIZE	INCH	F	H	L	S	BAR	PSI
2020044833	CS1212MGC	20	12	3/4	3/4"-14	38	89	32	280	4000
2020066865	CS1216MGC	20	12	3/4	1"-11	43	94	41	280	4000
2020044832	CS1616MGC	25	16	1	1"-11	45	101	41	280	4000
2020066866	CS1620MGC	25	16	1	1.1/4"-11	48	104	50	280	4000
2020044831	CS2020MGC	32	20	1.1/4	1.1/4"-11	50	117	50	210	3000
2020066867	CS2024MGC	32	20	1.1/4	1.1/2"-11	53	120	55	210	3000
2020044830	CS2424MGC	40	24	1.1/2	1.1/2"-11	55	138	55	185	2700
2020044829	CS3232MGC	50	32	2	2"-11	63	159	70	175	2500

BSP STRAIGHT FEMALE - 60° O’RING CONE - TIEFFE NUT



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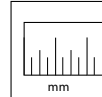
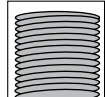
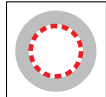
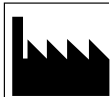


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2020044828	CS1212FGO	20	12	3/4	3/4"-14	29	80	32	17x1,5	420	6000
2020044827	CS1216FGO	20	12	3/4	1"-11	32	83	41	22x1,5	380	5500
2020044826	CS1616FGO	25	16	1	1"-11	34	90	41	22x1,5	380	5500
2020044825	CS1620FGO	25	16	1	1.1/4"-11	37	93	50	28,3x1,78	325	4700
2020044824	CS2020FGO	32	20	1.1/4	1.1/4"-11	39	106	50	28,3x1,78	325	4700
2020044823	CS2024FGO	32	20	1.1/4	1.1/2"-11	41	107	60	33,05x1,78	290	4200
2020044822	CS2424FGO	40	24	1.1/2	1.1/2"-11	43	125	60	33,05x1,78	290	4200
2020044821	CS3232FGO	50	32	2	2"-11	47	143	75	44,17x1,78	250	3600

45° BSP SWEPT ELBOW - 60° O’RING CONE - TIEFFE NUT



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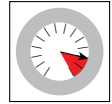
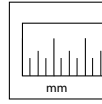
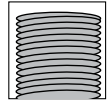
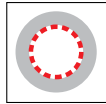
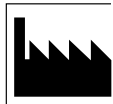


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2020044819	CS1216FGO45	20	12	3/4	1"-11	67	118	29	41	22x1,5	380	5500
2020044818	CS1616FGO45	25	16	1	1"-11	86	142	36	41	22x1,5	380	5500
2020044817	CS1620FGO45	25	16	1	1.1/4"-11	86	142	36	50	28,3x1,78	325	4700
2020044816	CS2020FGO45	32	20	1.1/4	1.1/4"-11	103	169	43	50	28,3x1,78	325	4700
2020044815	CS2024FGO45	32	20	1.1/4	1.1/2"-11	103	169	43	60	33,05x1,78	290	4200
2020044814	CS2424FGO45	40	24	1.1/2	1.1/2"-11	123	206	51	60	33,05x1,78	290	4200
2020044813	CS3232FGO45	50	32	2	2"-11	160	257	65	75	44,17x1,78	250	3600

90° BSP SWEPT ELBOW - 60° O'RING CONE - TIEFFE NUT

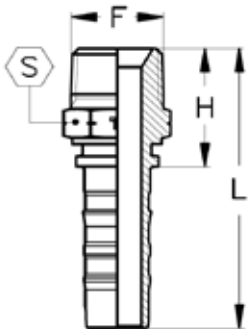


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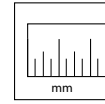
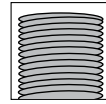
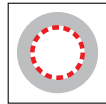
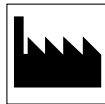


	CODE	DN	SIZE	INCH	F	H	L	S	K	O'RING	BAR	PSI
2020044812	CS1212FGO90	20	12	3/4	3/4"-14	55	106	57	32	17x1,5	420	6000
2020044811	CS1216FGO90	20	12	3/4	1"-11	55	106	57	41	22x1,5	380	5500
2020044810	CS1616FGO90	25	16	1	1"-11	71	128	72	41	22x1,5	380	5500
2020044809	CS1620FGO90	25	16	1	1.1/4"-11	71	128	72	50	28,3x1,78	325	4700
2020044808	CS2020FGO90	32	20	1.1/4	1.1/4"-11	87	154	88	50	28,3x1,78	325	4700
2020044807	CS2024FGO90	32	20	1.1/4	1.1/2"-11	87	154	88	60	33,05x1,78	290	4200
2020044806	CS2424FGO90	40	24	1.1/2	1.1/2"-11	105	188	104	60	33,05x1,78	290	4200
2020044805	CS3232FGO90	50	32	2	2"-11	140	237	137	75	44,17x1,78	250	3600

NPTF MALE - 60° CONE SEAT

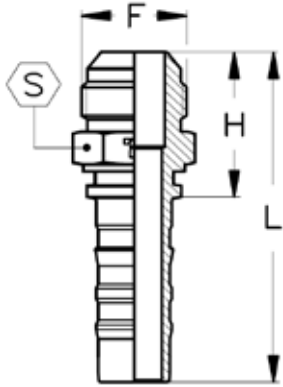


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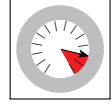
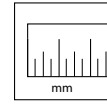
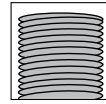
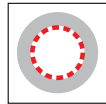
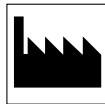


	CODE	DN	SIZE	INCH	F	H	L	S	BAR	PSI
2020044804	CS1212NPT	20	12	3/4	3/4"-14	39	90	27	280	4000
2020044803	CS1216NPT	20	12	3/4	1"-11,5	47	98	36	280	4000
2020044801	CS1612NPT	20	12	3/4	3/4"-14	41.5	98	32	280	4000
2020044802	CS1616NPT	20	12	3/4	1"-11,5	48.5	105	36	280	4060
2020044800	CS1620NPT	20	12	3/4	1.1/4"-11,5	53	109.5	46	210	3000
2020044799	CS2016NPT	32	20	1.1/4	1"-11,5	52.5	119	41	210	3000
2020044798	CS2020NPT	32	20	1.1/4	1.1/4"-11,5	55	121.5	46	210	3000
2020044797	CS2024NPT	32	20	1.1/4	1.1/2"-11,5	59	125.5	50	185	2700
2020044796	CS2424NPT	38	24	1.1/2	1.1/2"-11,5	61	143.5	50	185	2700
2020044794	CS2432NPT	38	24	1.1/2	2"-11,5	67.5	150	65	175	2500
2020044793	CS3232NPT	51	32	2	2"-11,5	70.5	167	65	175	2500

JIC MALE - 60° CONE SEAT

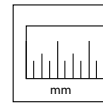
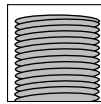
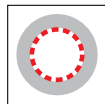
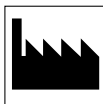
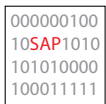
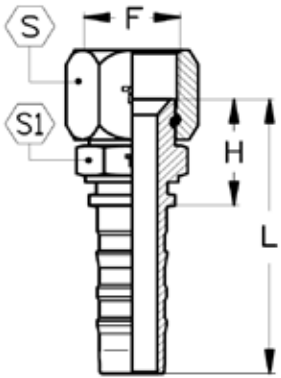


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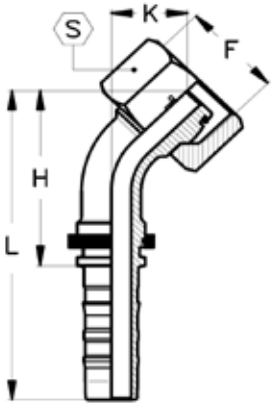
	CODE	DN	SIZE	INCH	F	H	L	S	BAR	PSI
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2020044791	CS1212MI	20	12	3/4	1 1/16"-12	40	91	27	350	5000
2020044790	CS1214MI	20	12	3/4	1 3/16"-12	41.5	92.5	32	350	5000
2020044789	CS1216MI	20	12	3/4	1 5/16"-12	43	94	36	280	4000
2020044788	CS1612MI	25	16	1	1 1/16"-12	43	99.5	32	350	5000
2020044787	CS1616MI	25	16	1	1 5/16"-12	45	101.5	36	280	4000
2020044786	CS1620MI	25	16	1	1 5/8"-12	48	104.5	46	210	3000
2020044785	CS2016MI	32	20	1.1/4	1 5/16"-12	48.5	115	41	280	4000
2020044784	CS2020MI	32	20	1.1/4	1 5/8"-12	50.5	117	46	210	3000
2020044783	CS2024MI	32	20	1.1/4	1 7/8"-12	55	121.5	50	185	2700
2020044782	CS2424MI	38	24	1.1/2	1 7/8"-12	57	139.5	50	185	2700
2020044781	CS2432MI	38	24	1.1/2	2 1/2"-12	65.5	148	65	175	2500
2020044780	CS3232MI	51	32	2	2 1/2"-12	68.5	165	65	175	2500

JIC FEMALE - 74° CONE SEAT - DOUBLE HEXAGON

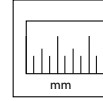
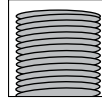
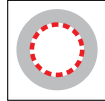
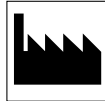


	CODE	DN	SIZE	INCH	F	H	L	S	S1	BAR	PSI
2020044779	CS1210FIC	20	12	3/4	7/8"-14	33	84	27	27	350	5000
2020044778	CS1212FIC	20	12	3/4	1 1/16"-12	34	85	32	27	350	5000
2020044776	CS1214FIC	20	12	3/4	1 3/16"-12	35.5	86.5	36	30	280	4000
2020044775	CS1216FIC	20	12	3/4	1 5/16"-12	38	89	41	32	280	4000
2020044774	CS1612FIC	25	16	1	1 1/16"-12	36.5	93	32	32	350	5000
2020044773	CS1616FIC	25	16	1	1 5/16"-12	39.5	96	41	32	280	4000
2020044772	CS1620FIC	25	16	1	1 5/8"-12	46	102.5	50	41	210	3000
2020044771	CS2016FIC	32	20	1.1/4	1 5/16"-12	45.5	112	41	41	280	4000
2020044770	CS2020FIC	32	20	1.1/4	1 5/8"-12	48	114.5	50	41	210	3000
2020044769	CS2024FIC	32	20	1.1/4	1 7/8"-12	51	117.5	60	46	185	2700
2020044768	CS2424FIC	38	24	1.1/2	1 7/8"-12	53	135.5	60	46	185	2700
2020044767	CS2432FIC	38	24	1.1/2	2 1/2"-12	66	148.5	75	60	175	2500
2020044766	CS3232FIC	51	32	2	2 1/2"-12	69	165.5	75	60	175	2500

JIC 45° SWEPT ELBOW - 74° CONE SEAT

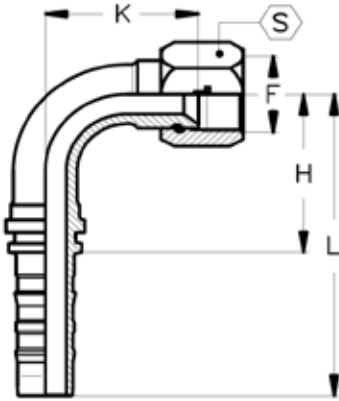


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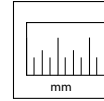
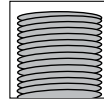
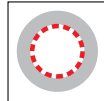
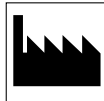


	CODE	DN	SIZE	INCH	F	H	L	K	S	BAR	PSI
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2020044764	CS1212FIS45	20	12	3/4	1 1/16"-12	63	114	25	32	350	5000
2020044763	CS1214FIS45	20	12	3/4	1 3/16"-12	63	114	25	36	280	4000
2020044762	CS1216FIS45	20	12	3/4	1 5/16"-12	63	114	25	41	280	4000
2020044761	CS1612FIS45	25	16	1	1 1/16"-12	85	141	35	32	350	5000
2020044760	CS1616FIS45	25	16	1	1 5/16"-12	82	138	32	41	280	4000
2020044759	CS1620FIS45	25	16	1	1 5/8"-12	82	138	32	50	210	3000
2020044758	CS2016FIS45	32	20	1.1/4	1 5/16"-12	100	167	41	41	280	4000
2020044757	CS2020FIS45	32	20	1.1/4	1 5/8"-12	98	164	38	50	210	3000
2020044756	CS2024FIS45	32	20	1.1/4	1 7/8"-12	98	164	38	60	185	2700
2020044755	CS2424FIS45	38	24	1.1/2	1 7/8"-12	118	201	46	60	185	2700
2020044754	CS2432FIS45	38	24	1.1/2	2 1/2"-12	118	201	46	75	175	2500
2020044753	CS3232FIS45	51	32	2	2 1/2"-12	157	253	62	75	175	2500

JIC 90° SWEEP ELBOW - 74° CONE SEAT

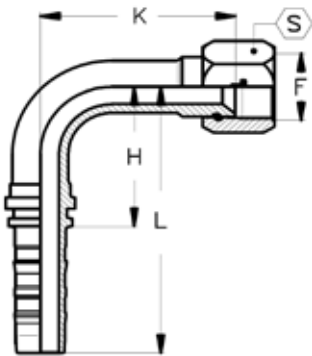


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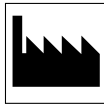


	CODE	DN	SIZE	INCH	F	H	L	K	S	BAR	PSI
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2020044750	CS1214FIS90	20	12	3/4	1 3/16"-12	55	106	52	36	280	4000
2020044749	CS1216FIS90	20	12	3/4	1 5/16"-12	55	106	52	41	280	4000
2020044748	CS1612FIS90	25	16	1	1 1/16"-12	71	128	71	32	350	5000
2020044747	CS1616FIS90	25	16	1	1 5/16"-12	71	128	67	41	280	4000
2020044746	CS1620FIS90	25	16	1	1 5/8"-12	71	128	67	50	210	3000
2020044745	CS2016FIS90	32	20	1.1/4	1 5/16"-12	87	154	84	41	280	4000
2020044744	CS2020FIS90	32	20	1.1/4	1 5/8"-12	87	154	81	50	210	3000
2020044743	CS2024FIS90	32	20	1.1/4	1 7/8"-12	87	154	81	60	185	2700
2020044742	CS2424FIS90	38	24	1.1/2	1 7/8"-12	105	188	97	60	185	2700
2020044741	CS2432FIS90	38	24	1.1/2	2 1/2"-12	105	188	97	75	175	2500
2020044740	CS3232FIS90	51	32	2	2 1/2"-12	140	237	132	75	175	2500

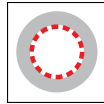
JIC 90° LONG DROP SWEPT ELBOW - 74° CONE SEAT



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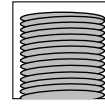
CODE



DN

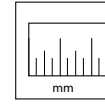
SIZE

INCH



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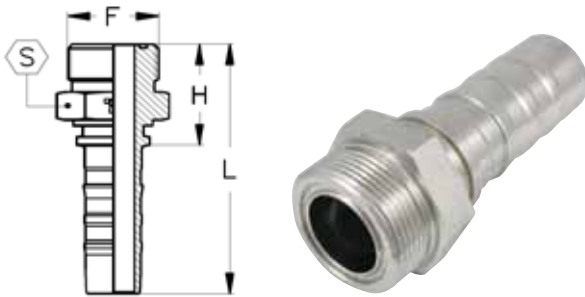


BAR

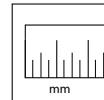
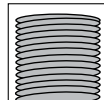
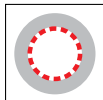
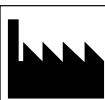
PSI

	CODE	DN	SIZE	INCH	F	H	L	K	S	BAR	PSI
2020044739	CS1212FIS90-K96	20	12	3/4	1.1/16"-12	55	106	96	32	350	5000
2020044738	CS1616FIS90-K116	25	16	1	1.5/16"-12	71	128	116	41	280	4000
2020044737	CS1620FIS90-K116	25	16	1	1.5/8"-12	71	128	116	50	210	3000
2020044736	CS2020FIS90-K136	32	20	1.1/4	1.5/8"-12	87	154	136	50	210	3000
2020044735	CS2424FIS90-K162	38	24	1.1/2	1.7/8"-12	105	188	162	60	185	2700
2020044734	CS3232FIS90-K220	51	32	2	2.1/2"-12	140	137	220	75	175	2500

ORFS MALE



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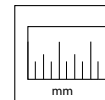
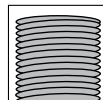
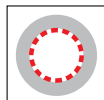


	CODE	DN	SIZE	INCH	F	H	L	S	O'RING	BAR	PSI
2020044733	CS1212MRS	20	12	3/4	1.3/16"-12	36	87	32	18,77x1,78	420	6000
2020044732	CS1616MRS	25	16	1	1.7/16"-12	41	97	41	23,52x1,78	415	6000
2020044731	CS2020MRS	32	20	1.1/4	1.11/16"-12	44	111	46	29,87x1,78	345	5000
2020044730	CS2424MRS	40	24	1.1/2	2"-12	48	131	55	37,82x1,78	290	4200

DOUBLE HEXAGON ORFS STRAIGHT FEMALE - PRESSED NUT

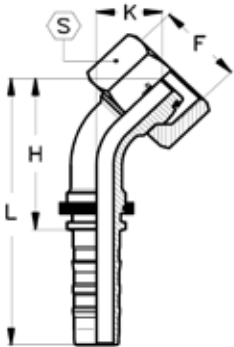


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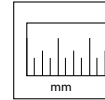
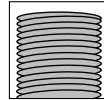
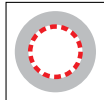


	CODE	DN	SIZE	INCH	F	H	L	K	S	BAR	PSI
2020044729	CS1210FRC	20	12	3/4	1"-14	43	94	30	27	420	6000
2020044728	CS1212FRC	20	12	3/4	1.3/16"-12	46	97	36	30	420	6000
2020044727	CS1216FRC	20	12	3/4	1.7/16"-12	49	100	41	36	420	6000
2020044726	CS1616FRC	25	16	1	1.7/16"-12	51	107	41	36	415	6000
2020044725	CS1620FRC	25	16	1	1.11/16"-12	52	109	50	41	345	5000
2020044724	CS2020FRC	32	20	1.1/4	1.11/16"-12	55	121	50	41	345	5000
2020044723	CS2424FRC	40	24	1.1/2	2"-12	60	142	60	50	290	4200

45° ORFS SWEPT ELBOW - SLIP ON NUT

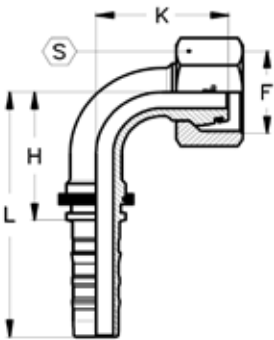


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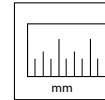
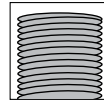
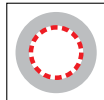
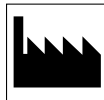


	CODE	DN	SIZE	INCH	F	H	L	K	S	BAR	PSI
2020044943	CS1212FRS45	20	12	3/4	1.3/16"-12	60	111	22	36	420	6000
2020044942	CS1216FRS45	20	12	3/4	1.7/16"-12	61	112	23	41	420	6000
2020044941	CS1616FRS45	25	16	1	1.7/16"-12	78	134	29	41	415	6000
2020044940	CS1620FRS45	25	16	1	1.11/16"-12	78	134	29	50	345	5000
2020044939	CS2020FRS45	32	20	1.1/4	1.11/16"-12	93	159	34	50	345	5000
2020044938	CS2424FRS45	40	24	1.1/2	2"-12	113	195	41	60	290	4200

90° ORFS SWEPT ELBOW - SLIP ON NUT

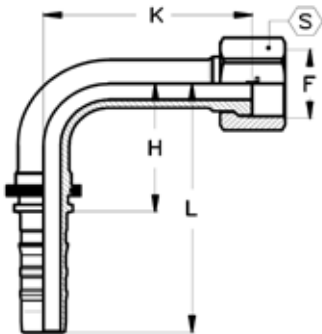


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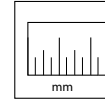
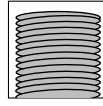
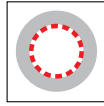
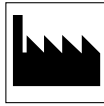


	CODE	DN	SIZE	INCH	F	H	L	K	S	BAR	PSI
2020044937	CS1212FRS90	20	12	3/4	1.3/16"-12	54	105	48	36	420	6000
2020044936	CS1216FRS90	20	12	3/4	1.7/16"-12	54	105	49	41	420	6000
2020044935	CS1616FRS90	25	16	1	1.7/16"-12	71	127	62	41	415	6000
2020044934	CS1620FRS90	25	16	1	1.11/16"-12	71	127	62	50	345	5000
2020044933	CS2020FRS90	32	20	1.1/4	1.11/16"-12	87	153	75	50	345	5000
2020044932	CS2424FRS90	40	24	1.1/2	2"-12	105	187	90	60	290	42000

LONG DROP 90° ORFS SWEPT ELBOW - SLIP ON NUT



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CODE

DN

SIZE

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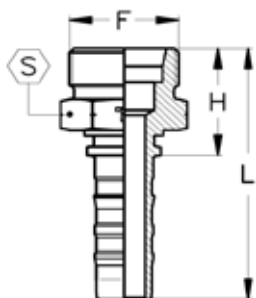
S

BAR

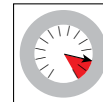
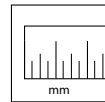
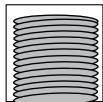
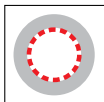
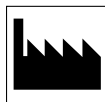
PSI

2020044931	CS1212FRS90-K96	20	12	3/4	1.3/16"-12	54	105	96	36	420	6000
2020044930	CS1616FRS90-K114	25	16	1	1.7/16"-12	71	127	114	41	415	6000
2020044929	CS2020FRS90-K130	32	20	1.1/4	1.11/16"-12	87	153	130	50	345	5000
2020044928	CS2424FRS90-K155	40	24	1.1/2	2"-12	105	187	155	60	290	4200

METRIC MALE - 24° CONE SEAT - HEAVY DUTY

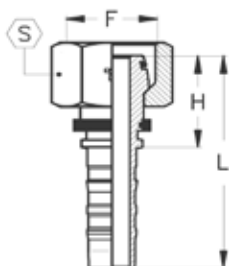


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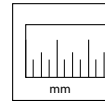
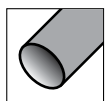
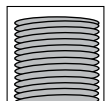
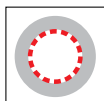


	CODE	DN	SIZE	INCH	F	H	L	K	S	BAR	PSI
2020044927	CS12MM20S	20	12	3/4	M30x2	20	34	85	30	420	6000
2020044926	CS12MM25S	20	12	3/4	M36x2	25	38	89	36	420	6000
2020044925	CS16MM25S	25	16	1	M36x2	25	40	97	36	380	5500
2020044693	CS16MM30S	25	16	1	M42x2	30	44	101	46	380	5500
2020044924	CS20MM30S	32	20	1.1/4	M42x2	30	47	113	46	325	4700
2020044923	CS20MM38S	32	20	1.1/4	M52x2	38	51	117	55	325	4700
2020044922	CS24MM38S	40	24	1.1/2	M52x2	38	53	135	55	290	4200

METRIC FEMALE - 24° O'RING CONE - HEAVY DUTY



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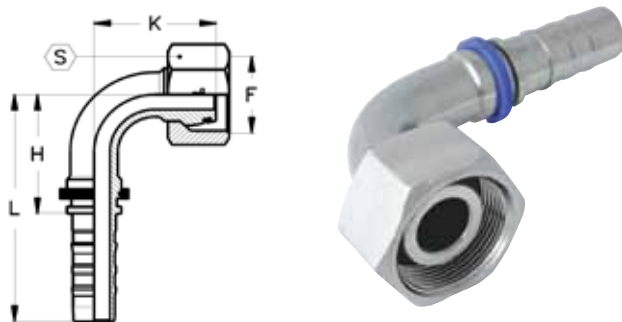
	CODE	DN	SIZE	INCH	F	MM	H	L	S	O'RING	BAR	PSI
2020044921	CS12FOS20S	20	12	3/4	M30x2	20	37	88	36	16,3x2,4	420	6000
2020044920	CS12FOS25S	20	12	3/4	M36x2	25	39	90	46	20,3x2,4	420	6000
2020044919	CS16FOS25S	25	16	1	M36x2	25	41	97	46	22x2	380	5500
2020044636	CS16FOS30S	25	16	1	M42x2	30	42	98	50	25,3x2,4	380	5500
2020044918	CS20FOS30S	32	20	1.1/4	M42x2	30	43	109	50	25,3x2,4	325	4700
2020044917	CS20FOS38S	32	20	1.1/4	M52x2	38	48	115	60	33,3x2,4	325	4700
2020044916	CS24FOS38S	40	24	1.1/2	M52x2	38	51	133	60	33,3x2,4	290	4200

45° METRIC SWEPT ELBOW - 24° O’RING CONE - HEAVY DUTY



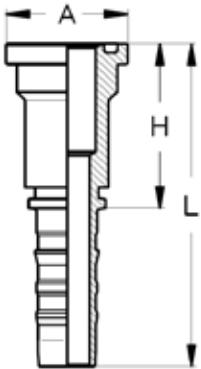
000000100 10SAP1010 101010000 100011111													
CODE	DN	SIZE	INCH	F	H	L	K	S	O’RING	BAR	PSI		
2020044915	CS12FOS20S45	20	12	3/4	M30x2	20	65	116	27	36	16,3x2,4	420	6000
2020044914	CS12FOS25S45	20	12	3/4	M36x2	25	66	117	28	46	20,3x2,4	420	6000
2020044913	CS16FOS25S45	25	16	1	M36x2	25	83	140	34	46	22x2	380	5500
2020044634	CS16FOS30S45	25	16	1	M42x2	30	82	138	32	50	25,3x2,4	380	5500
2020044912	CS20FOS30S45	32	20	1.1/4	M42x2	30	100	166	40	50	25,3x2,4	325	4700
2020044911	CS20FOS38S45	32	20	1.1/4	M52x2	38	97	164	38	60	33,3x2,4	325	4700
2020044910	CS24FOS38S45	40	24	1.1/2	M52x2	38	121	203	48	60	33,3x2,4	290	4200

90° METRIC SWEPT ELBOW - 24° O’RING CONE - HEAVY DUTY

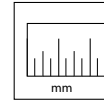
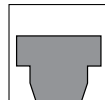
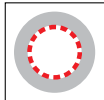
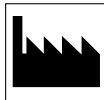


000000100 10SAP1010 101010000 100011111													
CODE	DN	SIZE	INCH	F	H	L	K	S	O’RING	BAR	PSI		
2020044909	CS12FOS20S90	20	12	3/4	M30x2	20	55	106	55	36	16,3x2,4	420	6000
2020044908	CS12FOS25S90	20	12	3/4	M36x2	25	55	106	55	46	20,3x2,4	420	6000
2020044907	CS16FOS25S90	25	16	1	M36x2	25	71	128	69	46	22x2	380	5500
2020044906	CS16FOS30S90	25	16	1	M42x2	30	71	128	67	50	25,3x2,4	380	5500
2020044905	CS20FOS30S90	32	20	1.1/4	M42x2	30	87	154	83	50	25,3x2,4	325	4700
2020044904	CS20FOS38S90	32	20	1.1/4	M52x2	38	87	154	80	60	33,3x2,4	325	4700
2020044903	CS24FOS38S90	40	24	1.1/2	M52x2	38	105	188	100	60	33,3x2,4	290	4200

STRAIGHT FLANGE - ISO "L" SERIES - SAE CODE 61

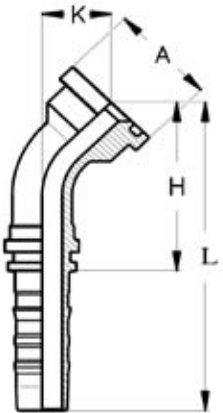


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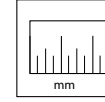
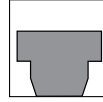
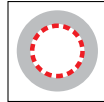
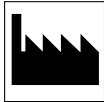


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	A	BAR	PSI
2020044902	CS1212FL	20	12	3/4	12	3/4	55	106	38.1	350	5000
2020044901	CS1216FL	20	12	3/4	16	1	57	108	44.5	350	5000
2020044900	CS1220FL	20	12	3/4	20	1.1/4	55	106	50.8	280	4000
2020044899	CS1612FL	25	16	1	12	3/4	58	114.5	38.1	350	5000
2020044898	CS1616FL	25	16	1	16	1	58	114.5	44.5	350	5000
2020044897	CS1620FL	25	16	1	20	1.1/4	63	119.5	50.8	280	4000
2020044896	CS1624FL	25	16	1	24	1.1/2	55	115.5	60.4	210	3000
2020044895	CS2016FL	32	20	1.1/4	16	1	64	130.5	44.5	350	5000
2020044894	CS2020FL	32	20	1.1/4	20	1.1/4	64	130.5	50.8	280	4000
2020044893	CS2024FL	32	20	1.1/4	24	1.1/2	68	134.5	60.4	210	3000
2020044892	CS2032FL	32	20	1.1/4	32	2	75	141.5	71.4	210	3000
2020044891	CS2424FL	38	24	1.1/2	24	1.1/2	73	155.5	60.4	210	3000
2020044890	CS2432FL	38	24	1.1/2	32	2	76	158.5	71.4	210	3000
2020044889	CS3232FL	51	32	2	32	2	77	176.5	71.4	210	3000
2020044888	CS3240FL	51	32	2	40	2.1/2	90	186.5	84.1	175	2500

45° FLANGE ELBOW - ISO "L" SERIES - SAE CODE 61

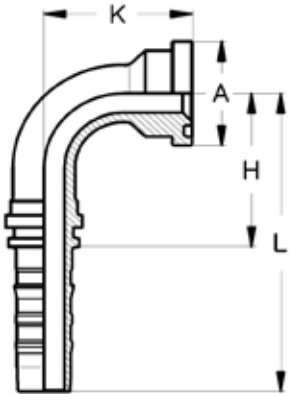


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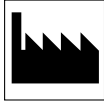


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020044875	CS1212FL45	20	12	3/4	12	3/4	63	114	25	38.1	350	5000
2020044886	CS1216FL45	20	12	3/4	16	1	65	116	27	44.5	350	5000
2020044885	CS1612FL45	25	16	1	12	3/4	81	137	31	38.1	350	5000
2020044884	CS1616FL45	25	16	1	16	1	78	134	28	44.5	350	5000
2020044883	CS1620FL45	25	16	1	20	1.1/4	78	134	28	50.8	280	4000
2020044882	CS2016FL45	32	20	1.1/4	16	1	96	163	37	44.5	350	5000
2020044881	CS2020FL45	32	20	1.1/4	20	1.1/4	91	157	32	50.8	280	4000
2020044880	CS2024FL45	32	20	1.1/4	24	1.1/2	91	157	32	60.4	210	3000
2020044879	CS2424FL45	38	24	1.1/2	24	1.1/2	108	191	36	60.4	210	3000
2020044878	CS2432FL45	38	24	1.1/2	32	2	107	189	35	71.4	210	3000
2020044877	CS3232FL45	51	32	2	32	2	151	245	57	71.4	210	3000
2020044876	CS3240FL45	51	32	2	40	2.1/2	146	243	51	84.1	175	2500

90° FLANGE ELBOW - ISO "L" SERIES - SAE CODE 61

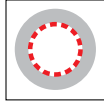


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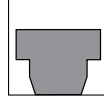
CODE

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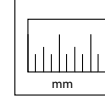
SIZE

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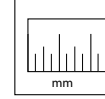
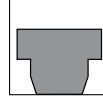
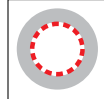
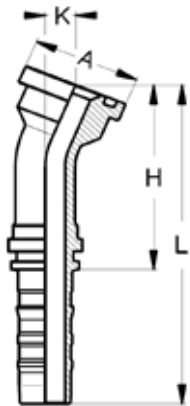
BAR

PSI

	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020044874	CS1212FL90	20	12	3/4	12	3/4	55	106	51	38.1	350	5000
2020044873	CS1216FL90	20	12	3/4	16	1	55	106	55	44.5	350	5000
2020044872	CS1220FL90	20	12	3/4	20	1.1/4	55	106	60	50.8	280	4000
2020044871	CS1612FL90	25	16	1	12	3/4	71	128	65	38.1	350	5000
2020044870	CS1616FL90	25	16	1	16	1	71	128	61	44.5	350	5000
2020044869	CS1620FL90	25	16	1	20	1.1/4	71	128	61	50.8	280	4000
2020044868	CS1624FL90	25	16	1	24	1.1/2	71	128	61	60.4	210	3000
2020044867	CS2016FL90	32	20	1.1/4	16	1	87	154	79	44.5	350	5000
2020044866	CS2020FL90	32	20	1.1/4	20	1.1/4	87	154	71	50.8	280	4000
2020044865	CS2024FL90	32	20	1.1/4	24	1.1/2	87	154	71	60.4	210	3000
2020044864	CS2424FL90	38	24	1.1/2	24	1.1/2	105	188	83	60.4	210	3000
2020044863	CS2432FL90	38	24	1.1/2	32	2	105	188	81	71.4	210	3000
2020044862	CS3232FL90	51	32	2	32	2	140	237	122	71.4	210	3000
2020044861	CS3240FL90	51	32	2	40	2.1/2	140	237	117	84.1	175	2500

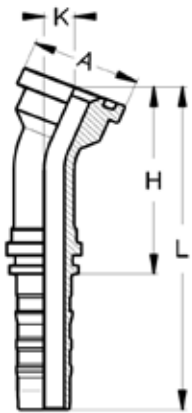
90° FLANGE ELBOW - LONG DROP - AVAILABLE UPON REQUEST

22,5° FLANGE ELBOW - ISO "L" SERIES - SAE CODE 61

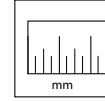
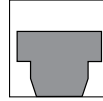
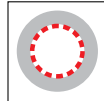
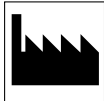


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020045021	CS1212FL22	20	12	3/4	12	3/4	70	121	11	38.1	350	5000
2020045020	CS1216FL22	20	12	3/4	16	1	73	124	12	44.5	350	5000
2020045019	CS1616FL22	25	16	1	16	1	86	142	12	44.5	350	5000
2020045018	CS1620FL22	25	16	1	20	1.1/4	86	142	12	50.8	280	4000
2020045017	CS2020FL22	32	20	1.1/4	20	1.1/4	100	166	13	50.8	280	4000
2020045016	CS2024FL22	32	20	1.1/4	24	1.1/2	100	166	13	60.4	210	3000
2020045015	CS2424FL22	38	24	1.1/2	24	1.1/2	118	201	15	60.4	210	3000
2020045014	CS2432FL22	38	24	1.1/2	32	2	116	199	14	71.4	210	3000
2020045013	CS3232FL22	51	32	2	32	2	165	262	22	71.4	210	3000

30° FLANGE ELBOW - ISO "L" SERIES - SAE CODE 61

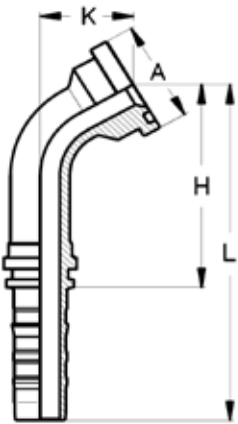


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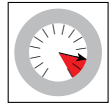
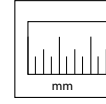
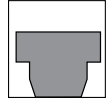
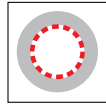
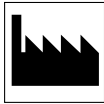


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020045012	CS1212FL30	20	12	3/4	12	3/4	68	119	16	38.1	350	5000
2020045011	CS1216FL30	20	12	3/4	16	1	71	122	17	44.5	350	5000
2020045010	CS1616FL30	25	16	1	16	1	84	140	17	44.5	350	5000
2020045009	CS1620FL30	25	16	1	20	1.1/4	84	140	17	50.8	280	4000
2020045008	CS2020FL30	32	20	1.1/4	20	1.1/4	98	164	19	50.8	280	4000
2020045007	CS2024FL30	32	20	1.1/4	24	1.1/2	98	164	19	60.4	210	3000
2020045006	CS2424FL30	38	24	1.1/2	24	1.1/2	116	199	22	60.4	210	3000
2020045005	CS2432FL30	38	24	1.1/2	32	2	114	197	21	71.4	210	3000
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60° FLANGE ELBOW - ISO "L" SERIES - SAE CODE 61

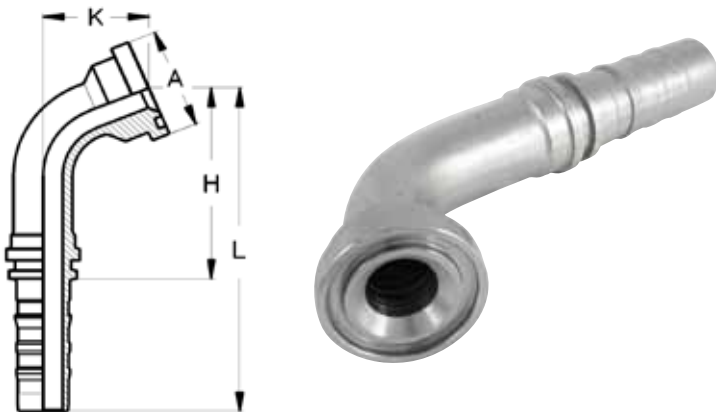


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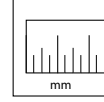
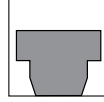
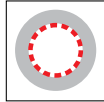
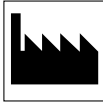


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020045003	CS1212FL60	20	12	3/4	12	3/4	77	128	34	38.1	350	5000
2020045002	CS1216FL60	20	12	3/4	16	1	79	130	37	44.5	350	5000
2020045001	CS1616FL60	25	16	1	16	1"	98	154	40	44.5	350	5000
2020045000	CS1620FL60	25	16	1	20	1.1/4	98	154	40	50.8	280	4000
2020044999	CS2020FL60	32	20	1.1/4	20	1.1/4	118	184	45	50.8	280	4000
2020044998	CS2024FL60	32	20	1.1/4	24	1.1/2	118	184	45	60.4	210	3000
2020044997	CS2424FL60	38	24	1.1/2	24	1.1/2	140	223	52	60.4	210	3000
2020044996	CS2432FL60	38	24	1.1/2	32	2	139	222	50	71.4	210	3000
2020044995	CS3232FL60	51	32	2	32	2	192	289	73	71.4	210	3000

67,5° FLANGE ELBOW - ISO "L" SERIES - SAE CODE 61

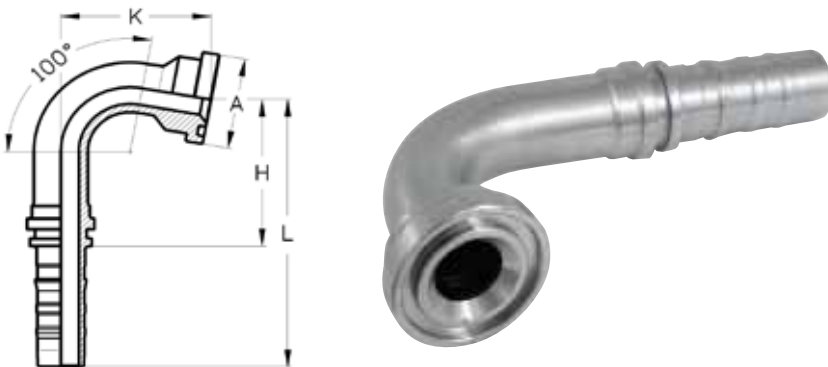


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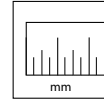
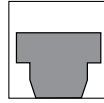
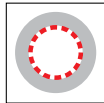
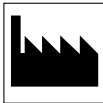


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020044994	CS1212FL67	20	12	3/4	12	3/4	72	123	39	38.1	350	5000
2020044993	CS1216FL67	20	12	3/4	16	1	73	124	41	44.5	350	5000
2020044992	CS1616FL67	25	16	1	16	1	92	148	45	44.5	350	5000
2020044991	CS1620FL67	25	16	1	20	1.1/4	92	148	45	50.8	280	4000
2020044990	CS2020FL67	32	20	1.1/4	20	1.1/4	111	178	52	50.8	280	4000
2020044989	CS2024FL67	32	20	1.1/4	24	1.1/2	111	178	52	60.4	210	3000
2020044988	CS2424FL67	38	24	1.1/2	24	1.1/2	133	216	60	60.4	210	3000
2020044987	CS2432FL67	38	24	1.1/2	32	2	132	215	58	71.4	210	3000
2020044986	CS3232FL67	51	32	2	32	2	181	278	84	71.4	210	3000

100° FLANGE ELBOW - ISO "L" SERIES - SAE CODE 61

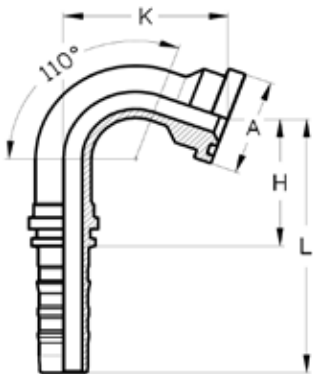


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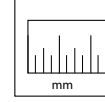
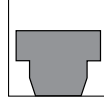
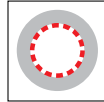
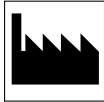


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020044985	CS1212FL100	20	12	3/4	12	3/4	61	112	59	38.1	350	5000
2020044984	CS1616FL100	25	16	1	16	1	77	134	68	44.5	350	5000

110° FLANGE ELBOW - ISO "L" SERIES - SAE CODE 61

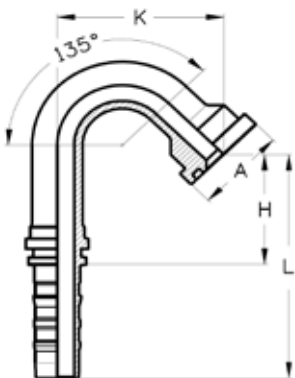


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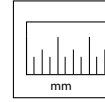
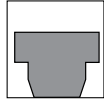
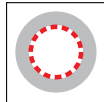


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020044983	CS1212FL110	20	12	3/4	12	3/4	51	102	62	38.1	350	5000
2020044982	CS1616FL110	25	16	1	16	1	65	121	73	44.5	350	5000
2020044981	CS1620FL110	25	16	1	20	1.1/4	65	121	73	50.8	280	4000
2020044980	CS2020FL110	32	20	1.1/4	20	1.1/4	82	148	83	50.8	280	4000
2020044979	CS2024FL110	32	20	1.1/4	24	1.1/2	82	148	83	60.4	210	3000
2020044978	CS2424FL110	38	24	1.1/2	24	1.1/2	95	178	97	60.4	210	3000
2020044977	CS3232FL110	51	32	2	32	2	124	220	142	71.4	210	3000

135° FLANGE ELBOW - ISO "L" SERIES - SAE CODE 61

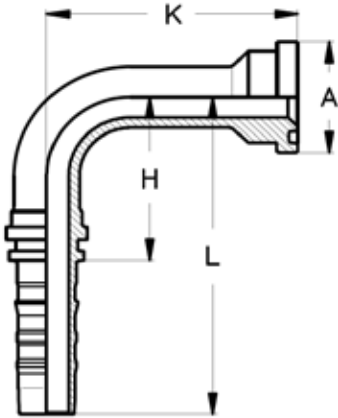


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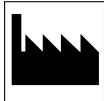


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020044976	CS1212FL135	20	12	3/4	12	3/4	69	120	70	38.1	350	5000
2020044975	CS1216FL135	20	12	3/4	16	1	69	120	70	44.5	350	5000
2020044974	CS1616FL135	25	16	1	16	1	57	113	86	44.5	350	5000

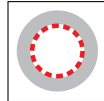
90° LONG DROP FLANGE ELBOW - ISO "L" SERIES - SAE CODE 61



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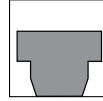
CODE



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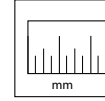
SIZE

INCH



SIZE

INCH



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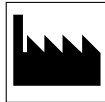
PSI

	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020044973	CS1212FL90-K96	20	12	3/4	12	3/4	55	106	96	38.1	350	5000
2020044972	CS1212FL90-K127	20	12	3/4	12	3/4	55	106	127	38.1	350	5000
2020044971	CS1216FL90-K79	20	12	3/4	16	1	55	106	79	44.5	350	5000
2020044970	CS1616FL90-K118	25	16	1	16	1	71	128	118	44.5	350	5000
2020044969	CS1620FL90-K118	25	16	1	20	1.1/4	71	128	118	50.8	280	4000
2020044968	CS2020FL90-K91	32	20	1.1/4	20	1.1/4	87	154	91	50.8	280	4000
2020044967	CS2020FL90-K102	32	20	1.1/4	20	1.1/4	87	154	102	50.8	280	4000
2020044966	CS2020FL90-K112	32	20	1.1/4	20	1.1/4	87	154	112	50.8	280	4000
2020044965	CS2020FL90-K130	32	20	1.1/4	20	1.1/4	87	154	130	50.8	280	4000
2020044964	CS2020FL90-K168	32	20	1.1/4	20	1.1/4	87	154	168	50.8	280	4000
2020044963	CS2024FL90-K118	32	20	1.1/4	24	1.1/2	87	154	118	60.4	210	3000
2020044962	CS2024FL90-K130	32	20	1.1/4	24	1.1/2	87	154	130	60.4	210	3000
2020044961	CS2424FL90-K148	38	24	1.1/2	24	1.1/2	105	188	148	60.4	210	3000
2020044960	CS2424FL90-K172	38	24	1.1/2	24	1.1/2	105	188	172	60.4	210	3000
2020044959	CS2432FL90-K115	38	24	1.1/2	32	2	105	188	115	71.4	210	3000
2020044958	CS2432FL90-K172	38	24	1.1/2	32	2	105	188	172	71.4	210	3000
2020044957	CS3232FL90-K165	51	32	2	32	2	140	237	165	71.4	210	3000
2020044956	CS3232FL90-K203	51	32	2	32	2	140	237	203	71.4	210	3000

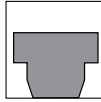
O'RING SEAL FOR ISO "L" SERIES - SAE CODE 61 FLANGES



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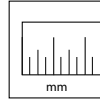


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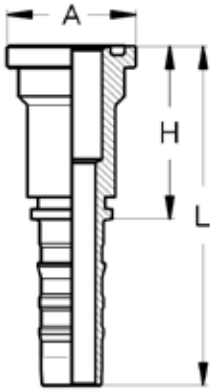


ISO 3601-1

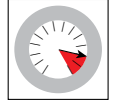
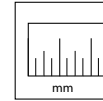
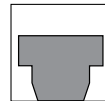
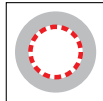
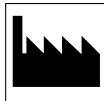
SAE

	CODE	SIZE	INCH	ISO 3601-1	SAE
2020065816	OR25x3,55	12	3/4	25x3,55	24,99x3,53
2020065817	OR32,5x3,55	16	1	32,5x3,55	32,92x3,53
2020065818	OR37,5x3,55	20	1.1/4	37,5x3,55	37,69x3,53
2020065819	OR47,5x3,55	24	1.1/2	47,5x3,55	47,22x3,53
2020065820	OR56x3,55	32	2	56x3,55	56,74x3,53

STRAIGHT FLANGE - ISO "S" SERIES - SAE CODE 62

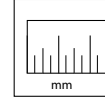
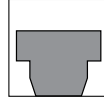
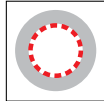
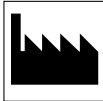
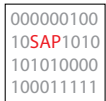
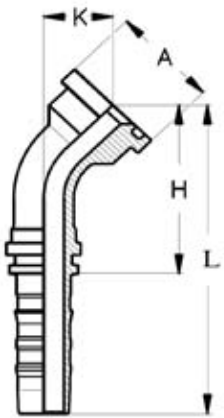


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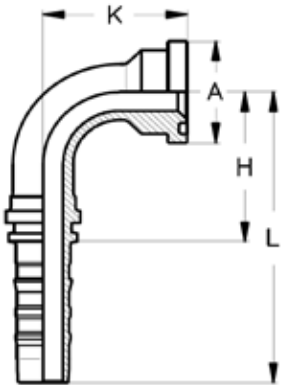
	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	A	BAR	PSI
2020045375	CS1212FP	20	12	3/4	12	3/4	59	110	41.3	420	6000
2020045374	CS1216FP	20	12	3/4	16	1	61	112	47.6	420	6000
2020045373	CS1612FP	25	16	1	12	3/4	65	121.5	41.3	415	6000
2020045372	CS1616FP	25	16	1	16	1	65	121.5	47.6	415	6000
2020045371	CS1620FP	25	16	1	20	1.1/4	69	125.5	54	415	6000
2020045370	CS2016FP	32	20	1.1/4	16	1	70	136.5	47.6	415	6000
2020045369	CS2020FP	32	20	1.1/4	20	1.1/4	70	136.5	54	415	6000
2020045368	CS2024FP	32	20	1.1/4	24	1.1/2	80	146.5	63.5	415	6000
2020045367	CS2424FP	38	24	1.1/2	24	1.1/2	84	116.5	63.5	415	6000
2020045366	CS2432FP	38	24	1.1/2	32	2	99	181.5	79.4	415	6000
2020045366	CS3232FP	51	32	2	32	2	100	196.5	79.4	345	5000

45° FLANGE ELBOW - ISO "S" SERIES - SAE CODE 62

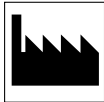


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020045364	CS1212FP45	20	12	3/4	12	3/4	66	117	28	41.3	420	6000
2020045363	CS1216FP45	20	12	3/4	16	1	68	118	29	47.6	420	6000
2020045362	CS1612FP45	25	16	1	12	3/4	81	137	31	41.3	415	6000
2020045361	CS1616FP45	25	16	1	16	1	80	136	30	47.6	415	6000
2020045360	CS1620FP45	25	16	1	20	1.1/4	80	136	30	54	415	6000
2020045359	CS2016FP45	32	20	1.1/4	16	1	96	163	37	47.6	415	6000
2020045358	CS2020FP45	32	20	1.1/4	20	1.1/4	93	160	34	54	415	6000
2020045357	CS2024FP45	32	20	1.1/4	24	1.1/2	94	161	35	63.5	415	6000
2020045356	CS2424FP45	38	24	1.1/2	24	1.1/2	112	195	40	63.5	415	6000
2020045355	CS2432FP45	38	24	1.1/2	32	2	115	198	43	79.4	415	6000
2020045842	CS3232FP45	51	32	2	32	2	150	247	56	79.4	345	5000

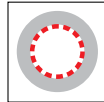
90° FLANGE ELBOW - ISO "S" SERIES - SAE CODE 62



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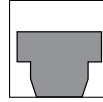
CODE



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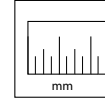
SIZE

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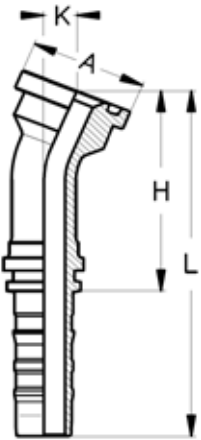


BAR

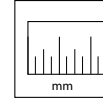
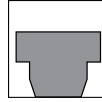
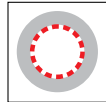
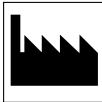
PSI

	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020045353	CS1212FP90	20	12	3/4	12	3/4	55	106	56	41.3	420	6000
2020045352	CS1216FP90	20	12	3/4	16	1	55	106	58	47.6	420	6000
2020045351	CS1612FP90	25	16	1	12	3/4	71	128	65	41.3	415	6000
2020045350	CS1616FP90	25	16	1	16	1	71	128	64	47.6	415	6000
2020045349	CS1620FP90	25	16	1	20	1.1/4	71	128	64	54	415	6000
2020045348	CS2016FP90	32	20	1.1/4	16	1	87	154	79	47.6	415	6000
2020045347	CS2020FP90	32	20	1.1/4	20	1.1/4	87	154	74	54	415	6000
2020045346	CS2024FP90	32	20	1.1/4	24	1.1/2	87	154	76	63.5	415	6000
2020045345	CS2424FP90	38	24	1.1/2	24	1.1/2	105	188	88	63.5	415	6000
2020045344	CS2432FP90	38	24	1.1/2	32	2	105	188	93	79.4	415	6000
2020045343	CS3232FP90	51	32	2	32	2	140	237	123	79.4	345	5000

22,5° FLANGE ELBOW - ISO "S" SERIES - SAE CODE 62

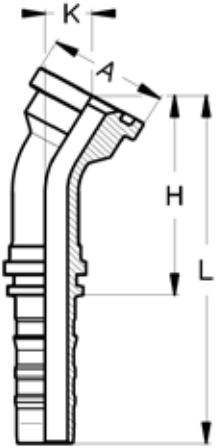


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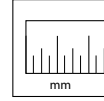
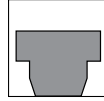
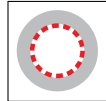
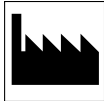


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020045342	CS1212FP22	20	12	3/4	12	3/4	70	121	11	38.1	420	6000
2020045341	CS1216FP22	20	12	3/4	16	1	76	127	14	47.6	420	6000
2020045340	CS1616FP22	25	16	1	16	1	89	145	13	47.6	415	6000
2020045381	CS1620FP22	25	16	1	20	1.1/4	89	145	13	54	415	6000
2020045380	CS2020FP22	32	20	1.1/4	20	1.1/4	103	169	15	54	415	6000
2020045379	CS2024FP22	32	20	1.1/4	24	1.1/2	104	171	15	63.5	415	6000
2020045378	CS2424FP22	38	24	1.1/2	24	1.1/2	123	206	17	63.5	415	6000
2020045377	CS2432FP22	38	24	1.1/2	32	2	127	210	19	79.4	415	6000
2020045376	CS3232FP22	51	32	2	32	2	166	263	24	79.4	345	5000

30° FLANGE ELBOW - ISO "S" SERIES - SAE CODE 62

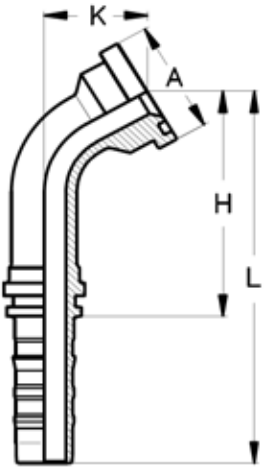


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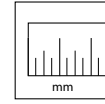
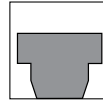
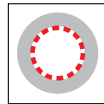
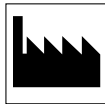


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020045420	CS1212FP30	20	12	3/4	12	3/4	72	123	18	41.3	420	6000
2020045419	CS1216FP30	20	12	3/4	16	1	74	125	19	47.6	420	6000
2020045418	CS1616FP30	25	16	1	16	1	87	143	19	47.6	415	6000
2020045417	CS1620FP30	25	16	1	20	1.1/4	87	143	19	54	415	6000
2020045416	CS2020FP30	32	20	1.1/4	20	1.1/4	100	167	20	54	415	6000
2020045415	CS2024FP30	32	20	1.1/4	24	1.1/2	102	168	21	63.5	415	6000
2020045414	CS2424FP30	38	24	1.1/2	24	1.1/2	121	203	24	63.5	415	6000
2020045413	CS2432FP30	38	24	1.1/2	32	2	124	207	26	79.4	415	6000
2020045412	CS3232FP30	51	32	2	32	2	162	259	34	79.4	345	5000

60° FLANGE ELBOW - ISO "S" SERIES - SAE CODE 62

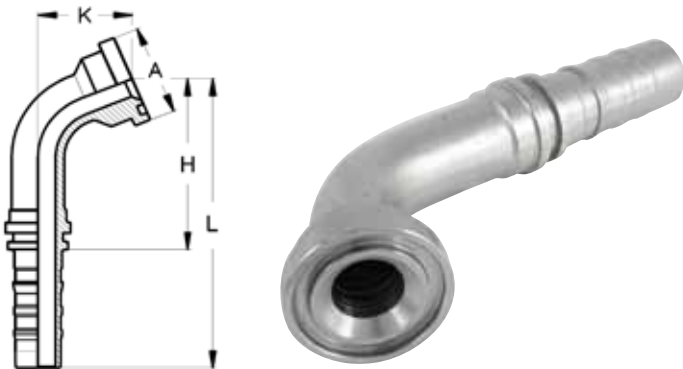


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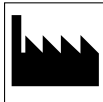


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020045411	CS1212FP60	20	12	3/4	12	3/4	79	130	38	41.3	420	6000
2020045410	CS1216FP60	20	12	3/4	16	1	80	131	40	47.6	420	6000
2020045409	CS1616FP60	25	16	1	16	1	99	155	42	47.6	415	6000
2020045408	CS1620FP60	25	16	1	20	1.1/4	99	155	42	54	415	6000
2020045407	CS2020FP60	32	20	1.1/4	20	1.1/4	119	185	47	54	415	6000
2020045406	CS2024FP60	32	20	1.1/4	24	1.1/2	120	186	49	63.5	415	6000
2020045405	CS2424FP60	38	24	1.1/2	24	1.1/2	143	225	56	63.5	415	6000
2020045404	CS2432FP60	38	24	1.1/2	32	2	145	228	60	79.4	415	6000
2020045403	CS3232FP60	51	32	2	32	2	193	289	79	79.4	345	6000

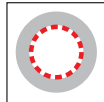
67,5° FLANGE ELBOW - ISO "S" SERIES - SAE CODE 62



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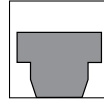
CODE



DN

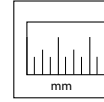
SIZE

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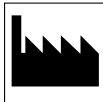
PSI

	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020045402	CS1212FP67	20	12	3/4	12	3/4	74	125	43	41.3	420	6000
2020045401	CS1216FP67	20	12	3/4	16	1	75	126	45	47.6	420	6000
2020045400	CS1616FP67	25	16	1	16	1	93	150	48	47.6	415	6000
2020045399	CS1620FP67	25	16	1	20	1.1/4	93	150	48	54	415	6000
2020045398	CS2020FP67	32	20	1.1/4	20	1.1/4	112	179	54	54	415	6000
2020045397	CS2024FP67	32	20	1.1/4	24	1.1/2	113	180	56	63.5	415	6000
2020045396	CS2424FP67	38	24	1.1/2	24	1.1/2	135	217	65	63.5	415	6000
2020045421	CS2432FP67	38	24	1.1/2	32	2	137	219	69	79.4	415	6000
2020045395	CS3232FP67	51	32	2	32	2	182	278	90	79.4	345	5000

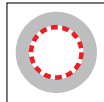
90° LONG DROP FLANGE ELBOW - ISO "S" SERIES - SAE CODE 62



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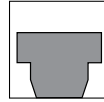
CODE



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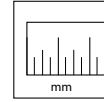
SIZE

INCH



SIZE

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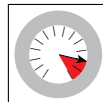


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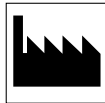
PSI

	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	BAR	PSI
2020045394	CS1212FP90-K100	20	12	3/4	12	3/4	55	106	100	41.3	420	6000
2020045393	CS1216FP90-K140	20	12	3/4	16	1	55	106	140	47.6	420	6000
2020045392	CS1616FP90-K120	25	16	1	16	1	71	128	120	47.6	415	6000
2020045391	CS2020FP90-K120	32	20	1.1/4	20	1.1/4	87	154	120	54	415	6000

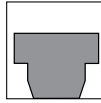
O'RING SEAL FOR ISO "S" SERIES - SAE CODE 62 FLANGES



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101010000
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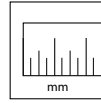


CODE



SIZE

INCH

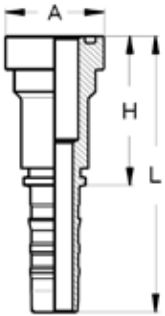


ISO 3601-1

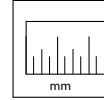
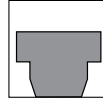
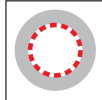
SAE

	CODE	SIZE	INCH	ISO 3601-1	SAE
2020065821	OR25x3,55	12	3/4	25x3,55	24,99x3,53
2020065822	OR32,5x3,55	16	1	32,5x3,55	32,92x3,53
2020065823	OR37,5x3,55	20	1.1/4	37,5x3,55	37,69x3,53
2020065824	OR47,5x3,55	24	1.1/2	47,5x3,55	47,22x3,53
2020065825	OR56x3,55	32	2	56x3,55	56,74x3,53

“SUPERCAT” STRAIGHT FLANGE

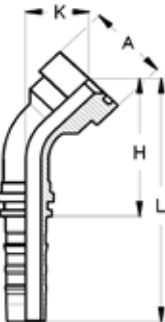


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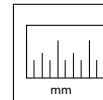
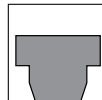
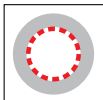
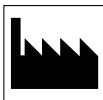


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	A	D'RING	BAR	PSI
2020045390	CS1212YP	20	12	3/4	12	3/4	84	135	41.3	DR12	420	6000
2020045389	CS1216YP	20	12	3/4	16	1	84	135	47.6	DR16	420	6000
2020045388	CS1616YP	25	16	1	16	1	90	146.5	47.6	DR16	415	6000
2020045387	CS1620YP	25	16	1	20	1.1/4	90	146.5	54	DR20	415	6000
2020045386	CS2020YP	32	20	1.1/4	20	1.1/4	88	154.4	54	DR20	415	6000
2020045385	CS2024YP	32	20	1.1/4	24	1.1/2	88	154.5	63.5	DR24	415	6000
2020045384	CS2424YP	38	24	1.1/2	24	1.1/2	84	166.5	63.5	DR24	415	6000
2020045383	CS2432YP	38	24	1.1/2	32	2	110	192.5	79.4	DR32	415	6000
2020045382	CS3232YP	51	32	2	32	2	130	226.5	79.4	DR32	345	5000

“SUPERCAT” 45° FLANGE ELBOW

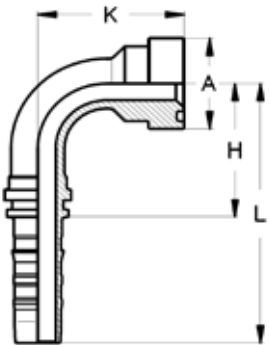


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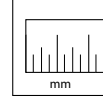
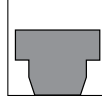
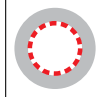


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	D'RING	BAR	PSI
2020045490	CS1212YP45	20	12	3/4	12	3/4	72	123	34	41.3	DR12	420	6000
2020045489	CS1216YP45	20	12	3/4	16	1	74	125	36	47.6	DR16	420	6000
2020045488	CS1616YP45	25	16	1	16	1	86	143	36	47.6	DR16	415	6000
2020045487	CS1620YP45	25	16	1	20	1.1/4	86	143	36	54	DR20	415	6000
2020045486	CS2020YP45	32	20	1.1/4	20	1.1/4	96	162	36	54	DR20	415	6000
2020045485	CS2024YP45	32	20	1.1/4	24	1.1/2	96	162	36	63.5	DR24	415	6000
2020045484	CS2424YP45	38	24	1.1/2	24	1.1/2	114	196	41	63.5	DR24	415	6000
2020045483	CS2432YP45	38	24	1.1/2	32	2	116	199	44	79.4	DR32	415	6000
2020045482	CS3232YP45	51	32	2	32	2	152	250	57	79.4	DR32	345	5000

“SUPERCAT” 90° FLANGE ELBOW

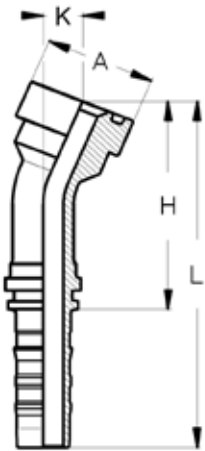


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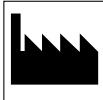


CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	D'RING	BAR	PSI	
2020045481	CS1212YP90	20	12	3/4	12	3/4	55	106	64	41.3	DR12	420	6000
2020045480	CS1216YP90	20	12	3/4	16	1	55	106	64	47.6	DR16	420	6000
2020045479	CS1616YP90	25	16	1	16	1	71	128	73	47.6	DR16	415	6000
2020045478	CS1620YP90	25	16	1	20	1.1/4	71	128	73	54	DR20	415	6000
2020045477	CS2020YP90	32	20	1.1/4	20	1.1/4	87	154	77	54	DR20	415	6000
2020045476	CS2024YP90	32	20	1.1/4	24	1.1/2	87	154	78	63.5	DR24	415	6000
2020045475	CS2424YP90	38	24	1.1/2	24	1.1/2	105	188	90	63.5	DR24	415	6000
2020045474	CS2432YP90	38	24	1.1/2	32	2	105	188	94	79.4	DR32	415	6000
2020045473	CS3232YP90	51	32	2	32	2	140	237	125	79.4	DR32	345	5000

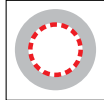
“SUPERCAT” 22,5° FLANGE ELBOW



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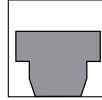


CODE



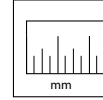
SIZE

INCH



SIZE

INCH



mm

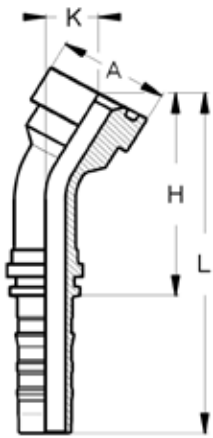


BAR

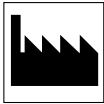
PSI

	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	D'RING	BAR	PSI
2020045472	CS1212YP22	20	12	3/4	12	3/4	82	133	16	41.3	DR12	420	6000
2020045471	CS1216YP22	20	12	3/4	16	1	84	135	17	47.6	DR16	420	6000
2020045470	CS1616YP22	25	16	1	16	1	97	153	17	47.6	DR16	415	6000
2020045469	CS1620YP22	25	16	1	20	1.1/4	97	153	17	54	DR20	415	6000
2020045468	CS2020YP22	32	20	1.1/4	20	1.1/4	406	172	16	54	DR20	415	6000
2020045467	CS2024YP22	32	20	1.1/4	24	1.1/2	406	174	16	63.5	DR24	415	6000
2020045465	CS2424YP22	38	24	1.1/2	24	1.1/2	125	208	18	63.5	DR24	415	6000
2020045461	CS2432YP22	38	24	1.1/2	32	2	129	211	19	79.4	DR32	415	6000
2020045460	CS3232YP22	51	32	2	32	2	168	265	25	79.4	DR32	345	5000

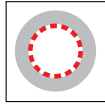
“SUPERCAT” 30° FLANGE ELBOW



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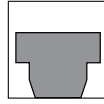
CODE



DN

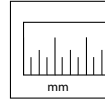
SIZE

INCH



SIZE

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mm

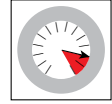
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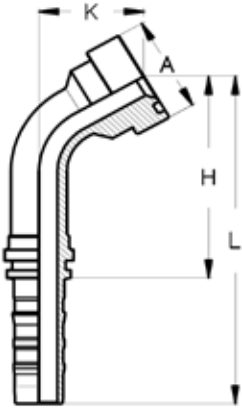


BAR

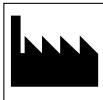
PSI

	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	D'RING	BAR	PSI
2020045459	CS1212YP30	20	12	3/4	12	3/4	79	130	22	41.3	DR12	420	6000
2020045458	CS1216YP30	20	12	3/4	16	1	82	133	23	47.6	DR16	420	6000
2020045457	CS1616YP30	25	16	1	16	1	94	151	23	47.6	DR16	415	6000
2020045456	CS1620YP30	25	16	1	20	1.1/4	94	151	23	54	DR20	415	6000
2020045455	CS2020YP30	32	20	1.1/4	20	1.1/4	103	170	22	54	DR20	415	6000
2020045454	CS2024YP30	32	20	1.1/4	24	1.1/2	104	170	23	63.5	DR24	415	6000
2020045453	CS2424YP30	38	24	1.1/2	24	1.1/2	123	205	25	63.5	DR24	415	6000
2020045452	CS2432YP30	38	24	1.1/2	32	2	126	208	27	79.4	DR32	415	6000
2020045451	CS3232YP30	51	32	2	32	2	164	264	35	79.4	DR32	345	5000

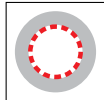
“SUPERCAT” 60° FLANGE ELBOW



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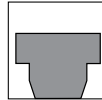


CODE



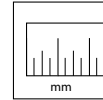
SIZE

INCH



SIZE

INCH



mm

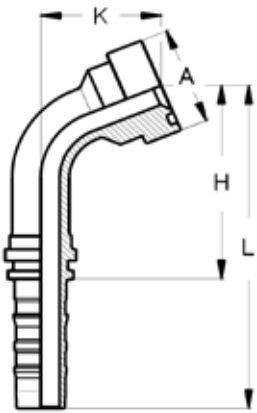


BAR

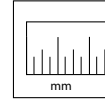
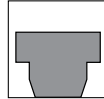
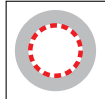
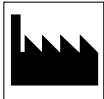
PSI

	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	D'RING	BAR	PSI
2020045450	CS1212YP60	20	12	3/4	12	3/4	83	134	45	41.3	DR12	420	6000
2020045449	CS1216YP60	20	12	3/4	16	1	85	136	48	47.6	DR16	420	6000
2020045448	CS1616YP60	25	16	1	16	1	103	160	50	47.6	DR16	415	6000
2020045447	CS1620YP60	25	16	1	20	1.1/4	103	160	50	54	DR20	415	6000
2020045446	CS2020YP60	32	20	1.1/4	20	1.1/4	121	187	50	54	DR20	415	6000
2020045445	CS2024YP60	32	20	1.1/4	24	1.1/2	121	187	51	63.5	DR24	415	6000
2020045444	CS2424YP60	38	24	1.1/2	24	1.1/2	144	226	58	63.5	DR24	415	6000
2020045443	CS2432YP60	38	24	1.1/2	32	2	146	228	61	79.4	DR32	415	6000
2020045442	CS3232YP60	51	32	2	32	2	194	290	81	79.4	DR32	345	5000

“SUPERCAT” 67,5° FLANGE ELBOW

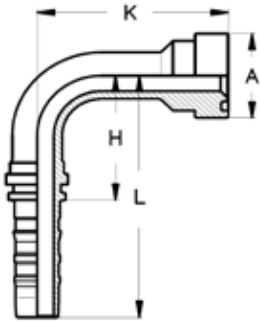


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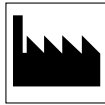


	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	D'RING	BAR	PSI
2020045441	CS1212YP67	20	12	3/4	12	3/4	77	128	50	41.3	DR12	420	6000
2020045440	CS1216YP67	20	12	3/4	16	1	79	130	53	47.6	DR16	420	6000
2020045439	CS1616YP67	25	16	1	16	1	97	153	56	47.6	DR16	415	6000
2020045438	CS1620YP67	25	16	1	20	1.1/4	97	153	56	54	DR20	415	6000
2020045437	CS2020YP67	32	20	1.1/4	20	1.1/4	114	181	57	54	DR20	415	6000
2020045436	CS2024YP67	32	20	1.1/4	24	1.1/2	114	181	58	63.5	DR24	415	6000
2020045435	CS2424YP67	38	24	1.1/2	24	1.1/2	137	219	66	63.5	DR24	415	6000
2020045434	CS2432YP67	38	24	1.1/2	32	2	138	220	69	79.4	DR32	415	6000
2020045433	CS3232YP67	51	32	2	32	2	184	280	92	79.4	DR32	345	5000

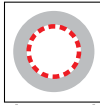
“SUPERCAT” 90° LONG DROP FLANGE ELBOW



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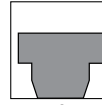
CODE



DN

SIZE

INCH

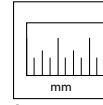


SIZE

INCH

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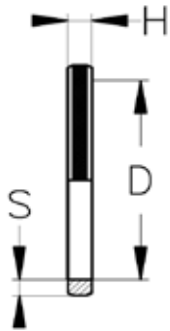


BAR

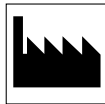
PSI

	CODE	DN	SIZE	INCH	SIZE	INCH	H	L	K	A	D'RING	BAR	PSI
2020045432	CS1212YP90-K129	20	12	3/4	12	3/4	55	106	129	41.3	DR12	420	6000
2020045431	CS1616YP90-K132	25	16	1	16	1	71	128	132	47.6	DR16	415	6000
2020045430	CS1616YP90-K150	25	16	1	16	1	71	128	150	47.6	DR16	415	6000
2020045429	CS2020YP90-K150	32	20	1.1/4	20	1.1/4	87	154	150	54	DR20	415	6000
2020045428	CS2024YP90-K135	32	20	1.1/4	24	1.1/2	87	154	135	63.5	DR24	415	6000
2020045427	CS2424YP90-K106	38	24	1.1/2	24	1.1/2	105	188	106	63.5	DR24	415	6000

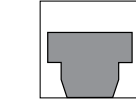
D'RING SEAL FOR “SUPERCAT” FLANGES



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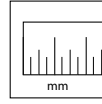
CODE



SIZE

INCH

ISO 3601-1



SAE

	CODE	SIZE	INCH	ISO 3601-1	SAE	
2020045426	DR12	12	3/4	25.4	5	3.5
2020045425	DR16	16	1	31.8	5	3.5
2020045424	DR20	20	1.1/4	38.1	5	3.5
2020045423	DR24	24	1.1/2	44.5	5	3.5
2020045422	DR32	32	2	63.9	5	3.5

INTERLOCK HOSE COUPLING FERRULES

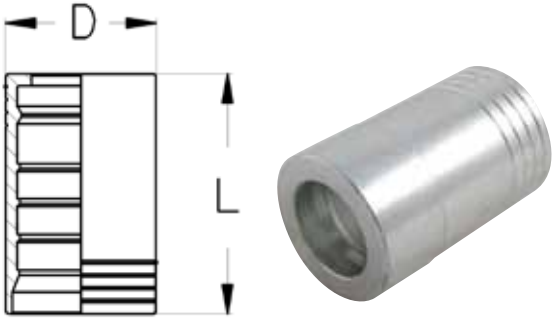
Product group	Page
BH13 SWAGED INTERLOCK FERRULE	274
BHH SWAGED INTERLOCK FERRULE	274



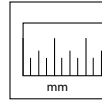
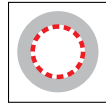
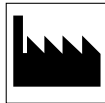
To view on-line



BHH SWAGED INTERLOCK FERRULE

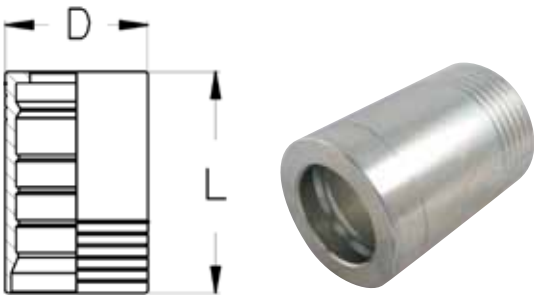


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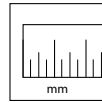
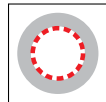
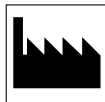


	CODE	DN	SIZE	INCH	D	L	APPLICATIONS
2020000673	BHH12	20	12	3/4	38	60	4SP, 4SH, R12, R13, R15
2020000674	BHH16	25	16	1	46	74,5	4SP, 4SH, R13, R15
2020000675	BHH20	32	20	1.1/4	55	88	4SP, 4SH
2020000676	BHH24	40	24	1.1/2	62	94	4SP, 4SH
2020000677	BHH32	50	32	2	78,5	99	4SP, 4SH

BH13 SWAGED INTERLOCK FERRULE



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	CODE	DN	SIZE	INCH	D	L	APPLICATIONS
2020000670	BH1320	32	20	1.1/4	59,8	88	R13, R15
2020000671	BH1324	40	24	1.1/2	67	94	R13
2020000672	BH1332	50	32	2	84,5	99	R13

INTERLOCK HOSE COUPLING INSERTS

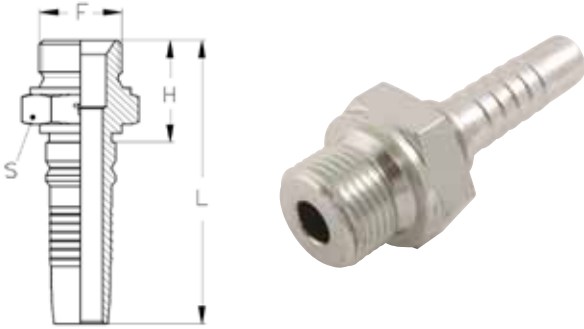
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CH---FGSO90B - 90° BSP SWEPT ELBOW - 60° O’RING CONE ONE PIECE	278
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CH---FLB - STRAIGHT SAE J518 FLANGE - 3000 PSI - ONE PIECE	285
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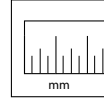
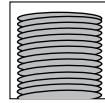
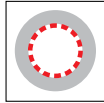
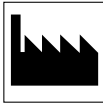
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CH----MG - BSP MALE - PARALLEL - 60° CONE SEAT



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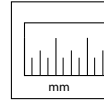
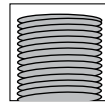
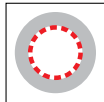
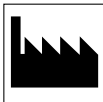


SAP CODE	CODE	DN	SIZE	INCH	F	H	L	S	BAR	PSI
2020036327	CH1212MG	19	12	3/4	3/4"-14	35	97	32	420	6000
2020031206	CH1616MG	25	16	1	1"-11	41	114	41	380	5500
2020036819	CH1620MG	25	16	1	1.1/4"-11	44	117	50	325	4700
2020000853	CH2020MG	31	20	1.1/4	1.1/4"-11	46	134	50	325	4700
2020039175	CH2424MG	38	24	1.1/2	1.1/2"-11	49	143	55	290	4200
2020053364	CH3232MG	51	32	2	2"-11	56	154	70	250	3600

CH----MGC - BSP MALE - TAPER - 60° CONE SEAT

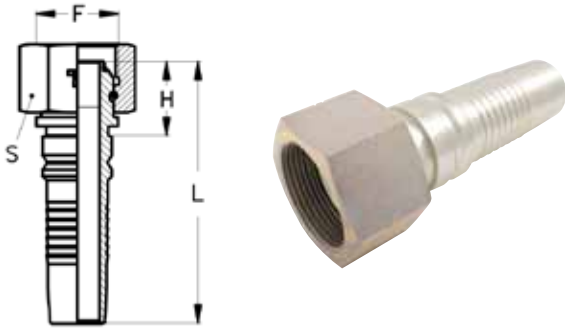


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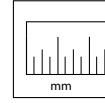
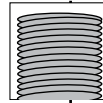
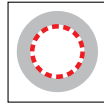
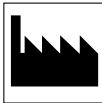


SAP CODE	CODE	DN	SIZE	INCH	F	H	L	S	BAR	PSI
2020000797	CH1212MGC	19	12	3/4	3/4"-14	34	96	27	280	4000
2020066393	CH1616MGC	25	16	1	1"-11	40	113	36	280	4000
2020066394	CH2020MGC	31	20	1.1/4	1.1/4"-11	47	135	46	210	3000
2020066395	CH2424MGC	38	24	1.1/2	1.1/2"-11	48	142	50	185	2700
2020066396	CH3232MGC	51	32	2	2"-11	57	155	65	175	2500

CH----FGSO - BSP STRAIGHT FEMALE - 60° O’RING CONE

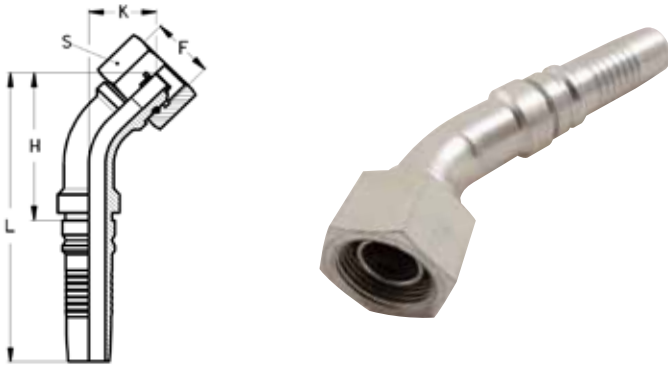


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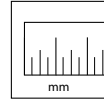
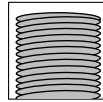
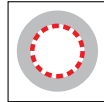
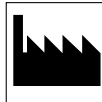


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2020000785	CH1212FGSO	19	12	3/4	3/4"-14	25	87	32	16x1,5	420	6000
2020032413	CH1616FGSO	25	16	1	1"-11	30	103	41	22x1,5	380	5500
2020066397	CH1620FGSO	25	16	1	1.1/4"-11	33	106	50	28,3x1,78	325	4700
2020038786	CH2020FGSO	31	20	1.1/4	1.1/4"-11	35	122	50	28,3x1,78	325	4700
2020032780	CH2424FGSO	38	24	1.1/2	1.1/2"-11	36	130	60	33,05x1,78	290	4200
2020037611	CH3232FGSO	51	32	2	2"-11	40	138	75	44,17x1,78	250	3600

CH----FGSO45B - 45° BSP SWEEP ELBOW - 60° O’RING CONE ONE PIECE

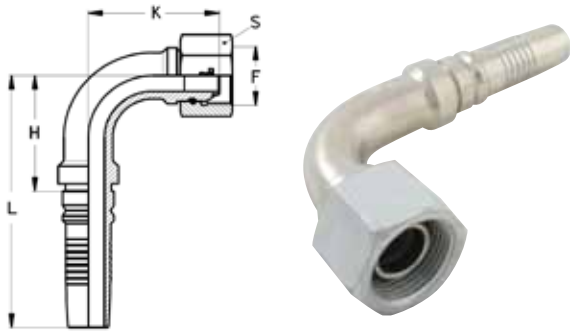


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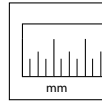
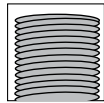
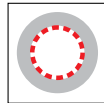
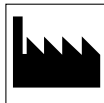


CODE	DN	SIZE	INCH	F	H	L	K	S	O’RING	BAR	PSI
2020000786	CH1212FGSO45B	19	12	3/4	3/4"-14	68	130	32	16x1,5	420	6000
2020000817	CH1616FGSO45B	25	16	1	1"-11	86	159	39	22x1,5	380	5500
2020066398	CH1620FGSO45B	25	16	1	1.1/4"-11	88	161	41	28,3x1,78	325	4700
2020032997	CH2020FGSO45B	31	20	1.1/4	1.1/4"-11	107	195	47	28,3x1,78	325	4700
2020047629	CH2424FGSO45B	38	24	1.1/2	1.1/2"-11	126	220	55	33,05x1,78	290	4200
2020000879	CH3232FGSO45B	51	32	2	2"-11	160	258	66	44,17x1,78	250	3600

CH----FGSO90B - 90° BSP SWEPT ELBOW - 60° O’RING CONE ONE PIECE



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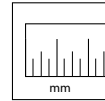
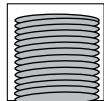
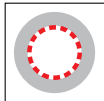


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2020066399	CH1212FGSO90B	19	12	3/4	3/4"-14	68	130	32	32	16x1,5	420	6000
2020035269	CH1616FGSO90B	25	16	1	1"-11	86	159	39	41	22x1,5	380	5500
2020066868	CH1620FGSO90B	25	16	1	1.1/4"-11	88	161	41	50	28,3x1,78	325	4700
2020034137	CH2020FGSO90B	31	20	1.1/4	1.1/4"-11	107	195	47	50	28,3x1,78	325	4700
2020035374	CH2424FGSO90B	38	24	1.1/2	1.1/2"-11	126	220	55	60	33,05x1,78	290	4200
2020000880	CH3232FGSO90B	51	32	2	2"-11	160	258	66	75	44,17x1,78	250	3600

CH----MI - J.I.C. MALE - 74° CONE

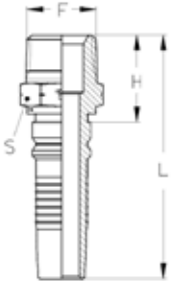


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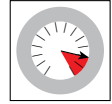
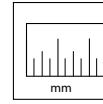
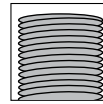
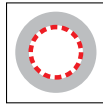
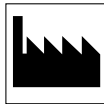


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2020066401	CH1214MI	19	12	3/4	1.3/16"-12	39	101	32	280	4000
2020066402	CH1216MI	19	12	3/4	1.5/16"-12	41	102	36	280	4000
2020000827	CH1616MI	25	16	1	1.5/16"-12	42	114	36	280	4000
2020066403	CH1620MI	25	16	1	1.5/8"-12	45	117	46	210	3000
2020000854	CH2020MI	31	20	1.1/4	1.5/8"-12	47	134	46	210	3000
2020066404	CH2024MI	31	20	1.1/4	1.7/8"-12	51	139	50	185	2700
2020066405	CH2424MI	38	24	1.1/2	1.7/8"-12	52	145	50	185	2700
2020066406	CH3232MI	51	32	2	2.1/2"-12	63	160	65	175	2500

CH----NPT - NPTF MALE - 60° CONE SEAT

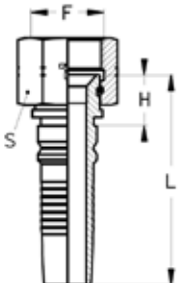


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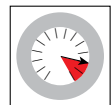
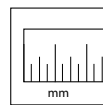
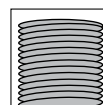
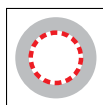


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2020000807	CH1216NPT	20	12	3/4	1"-11,5	42	103	36	280	4000
2020000828	CH1616NPT	25	16	1	1"-11,5	42	115	36	280	4000
2020066407	CH1620NPT	25	16	1	1.1/4"-11,5	45	118	46	210	3000
2020000855	CH2020NPT	32	20	1.1/4	1.1/4"-11,5	47	135	46	210	3000
2020066408	CH2024NPT	32	20	1.1/4	1.1/2"-11,5	50	137	50	185	2700
2020000875	CH2424NPT	40	24	1.1/2	1.1/2"-11,5	50	144	50	185	2700
2020000890	CH3232NPT	50	32	2	2"-11,5	55	153	60	175	2500

CH----FIS - J.I.C. STRAIGHT FEMALE - 74° CONE SEAT

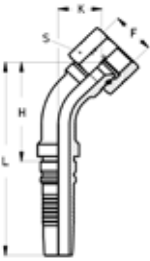


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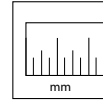
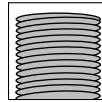
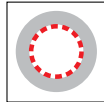
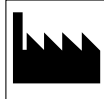


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2020040511	CH1212FIS	19	12	3/4	1.1/16"-12	20	82	32	350	5000
2020066409	CH1214FIS	19	12	3/4	1.3/16"-12	21,5	83	36	280	4000
2020043502	CH1216FIS	19	12	3/4	1.5/16"-12	22,5	84	41	280	4000
2020034138	CH1616FIS	25	16	1	1.5/16"-12	23,5	96	41	280	4000
2020043503	CH1620FIS	25	16	1	1.5/8"-12	28	101	50	210	3000
2020033755	CH2020FIS	31	20	1.1/4	1.5/8"-12	29	117	50	210	3000
2020037454	CH2024FIS	31	20	1.1/4	1.7/8"-12	29,5	117	60	185	2700
2020000866	CH2424FIS	38	24	1.1/2	1.7/8"-12	30	124	60	185	2700
2020037123	CH3232FIS	51	32	2	2.1/2"-12	37	135	75	175	2500

CH----FIS45B - J.I.C. 45° SWEEP ELBOW - 74° CONE SEAT - ONE PIECE

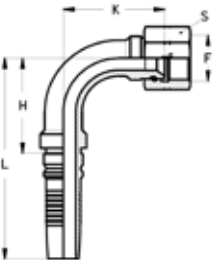


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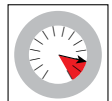
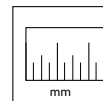
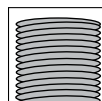
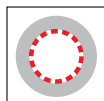


	CODE	DN	SIZE	INCH	F	H	L	K	S	BAR	PSI
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2020066410	CH1214FIS45B	19	12	3/4	1.3/16"-12	65	127	29	36	280	4000
2020066411	CH1216FIS45B	19	12	3/4	1.5/16"-12	68	130	32	41	280	4000
2020000820	CH1616FIS45B	25	16	1	1.5/16"-12	82	155	35	41	280	4000
2020066443	CH1620FIS45B	25	16	1	1.5/8"-12	84	157	37	50	210	3000
2020000845	CH2020FIS45B	31	20	1.1/4	1.5/8"-12	103	191	43	50	210	3000
2020066412	CH2024FIS45B	31	20	1.1/4	1.7/8"-12	103	191	43	60	185	2700
2020000867	CH2424FIS45B	38	24	1.1/2	1.7/8"-12	121	215	50	60	185	2700
2020000882	CH3232FIS45B	51	32	2	2.1/2"-12	158	256	65	75	175	2500

CH----FIS90B - J.I.C. 90° SWEEP ELBOW - 74° CONE SEAT - ONE PIECE

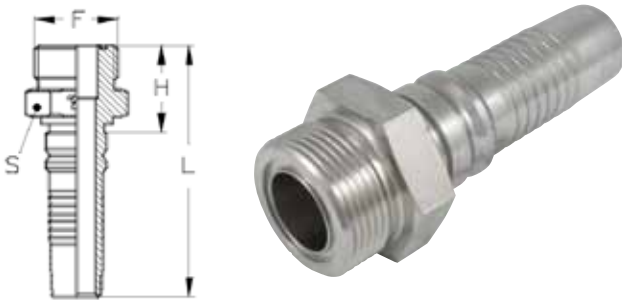


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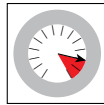
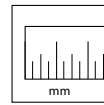
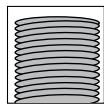
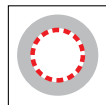


	CODE	DN	SIZE	INCH	F	H	L	K	S	BAR	PSI
2020000790	CH1212FIS90B	19	12	3/4	1.1/16"-12	55	117	58	32	350	5000
2020066413	CH1214FIS90B	19	12	3/4	1.3/16"-12	55	117	59	36	280	4000
2020066414	CH1216FIS90B	19	12	3/4	1.5/16"-12	55	117	63	41	280	4000
2020039427	CH1616FIS90B	25	16	1	1.5/16"-12	71	144	73	41	280	4000
2020043504	CH1620FIS90B	25	16	1	1.5/8"-12	71	144	76	50	210	3000
2020000846	CH2020FIS90B	31	20	1.1/4	1.5/8"-12	90	177	91	50	210	3000
2020037453	CH2024FIS90B	31	20	1.1/4	1.7/8"-12	90	177	91	60	185	2700
2020000868	CH2424FIS90B	38	24	1.1/2	1.7/8"-12	107	201	106	60	185	2700
2020000883	CH3232FIS90B	51	32	2	2.1/2"-12	140	240	139	75	175	2500

CH----MRS - ORFS MALE

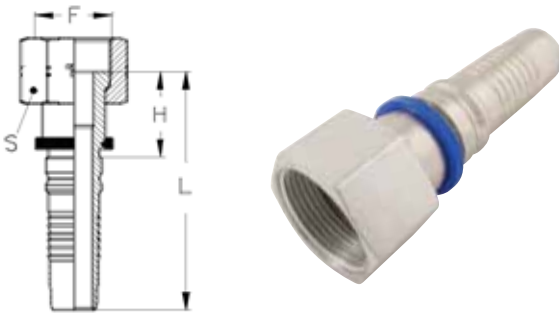


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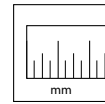
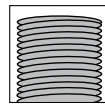
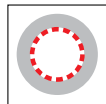


	CODE	DN	SIZE	INCH	F	H	L	S	O'RING	BAR	PSI
2020066415	CH1212MRS	19	12	3/4	1.3/16"-12	34	95	32	18,77x1,78	420	6000
2020038290	CH1616MRS	25	16	1	1.7/16"-12	37	110	41	23,52x1,78	415	6000
2020039154	CH2020MRS	31	20	1.1/4	1.11/16"-12	40	128	46	29,87x1,78	345	5000
2020066416	CH2424MRS	38	24	1.1/2	2"-12	43	136	55	37,82x1,78	250	4200

CH----FRS - ORFS STRAIGHT FEMALE

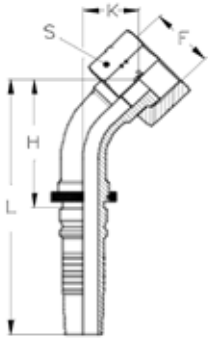


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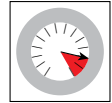
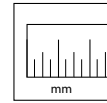
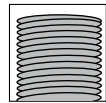
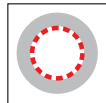


	CODE	DN	SIZE	INCH	F	H	L	S	BAR	PSI
2020038289	CH1212FRS	19	12	3/4	1.3/16"-12	35	97	36	420	6000
2020031928	CH1616FRS	25	16	1	1.7/16"-12	37	110	41	415	6000
2020032583	CH2020FRS	31	20	1.1/4	1.11/16"-12	38	126	50	345	5000
2020042451	CH2424FRS	38	24	1.1/2	2"-12	39	132	60	290	4200

CH----FRS45B - 45° ORFS SWEPT ELBOW

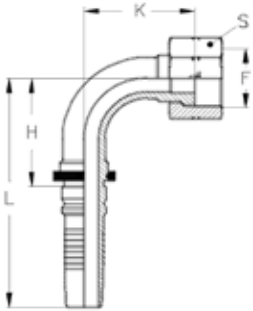


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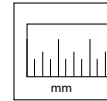
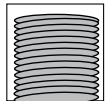
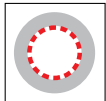
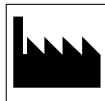


	CODE	DN	SIZE	INCH	F	H	L	K	S	BAR	PSI
2020039071	CH1212FRS45B	19	12	3/4	1.3/16"-12	63	125	26	36	420	6000
2020031929	CH1616FRS45B	25	16	1	1.7/16"-12	78	151	31	41	415	6000
2020038085	CH2020FRS45B	31	20	1.1/4	1.11/16"-12	96	184	36	50	345	5000
2020066417	CH2424FRS45B	38	24	1.1/2	2"-12	113	207	42	60	290	4200

CH----FRS90B - 90° ORFS SWEPT ELBOW

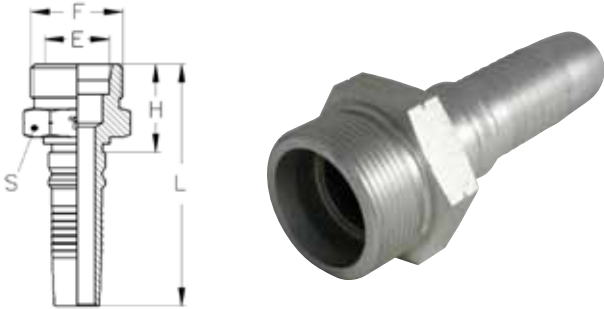


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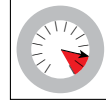
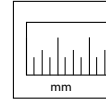
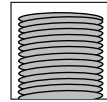
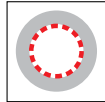
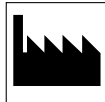


	CODE	DN	SIZE	INCH	F	H	L	K	S	BAR	PSI
2020039072	CH1212FRS90B	19	12	3/4	1.3/16"-12	56	118	55	36	420	6000
2020031930	CH1616FRS90B	25	16	1	1.7/16"-12	71	144	67	41	415	6000
2020032584	CH2020FRS90B	31	20	1.1/4	1.11/16"-12	90	177	81	50	345	5000
2020042452	CH2424FRS90B	38	24	1.1/2	2"-12	107	201	95	60	290	4200

CH-MM---METRIC MALE - 24° CONE SEAT - HEAVY TYPE

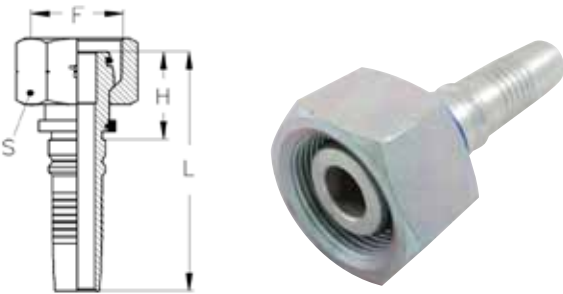


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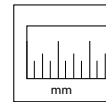
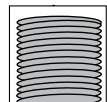
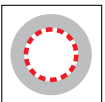
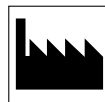


	CODE	DN	SIZE	INCH	F	H	L	K	E	BAR	PSI
2020066418	CH12MM20S	19	12	3/4	M 30x2	31	93	30	20	420	6000
2020000815	CH12MM25S	19	12	3/4	M 36x2	35	97	36	25	420	6000
2020031207	CH16MM25S	25	16	1	M 36x2	36	109	36	25	380	5500
2020000840	CH16MM30S	25	16	1	M 42x2	40	113	46	30	380	5500
2020042909	CH20MM30S	31	20	1.1/4	M 42x2	42	130	46	30	325	4700
2020000862	CH20MM38S	31	20	1.1/4	M 52x2	46	134	55	38	325	4700
2020031217	CH24MM38S	38	24	1.1/2	M 52x2	47	141	55	38	290	4200

CH-FOS---O'RING METRIC FEMALE - 24° CONE - HEAVY TYPE

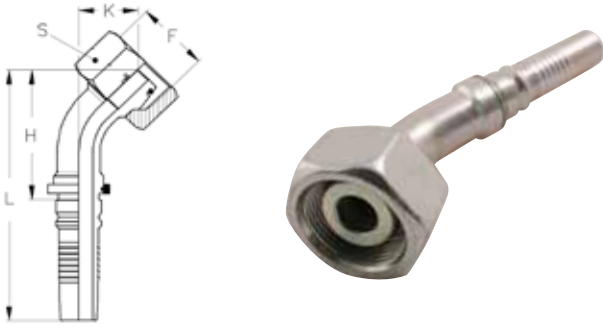


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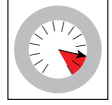
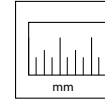
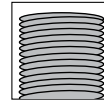
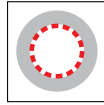
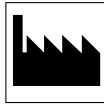


	CODE	DN	SIZE	INCH	F	H	L	S	O'RING	BAR	PSI
2020000809	CH12FOS20S	19	12	3/4	M 30x2	33	95	36	16,3x2,4	420	6000
2020000812	CH12FOS25S	19	12	3/4	M 36x2	36	98	41	20,3x2,4	420	6000
2020000837	CH16FOS25S	25	16	1	M 36x2	37	110	41	22x2	380	5500
2020000838	CH16FOS30S	25	16	1	M 42x2	39	112	50	25,3x2,4	380	5500
2020039853	CH20FOS30S	31	20	1.1/4	M 42x2	41	128	50	25,3x2,4	325	4700
2020000860	CH20FOS38S	31	20	1.1/4	M 52x2	43	131	60	33,3x2,4	325	4700
2020000876	CH24FOS38S	38	24	1.1/2	M 52x2	44	138	60	33,3x2,4	290	4200

CH-FOS---45B - 45° METRIC SWEPT ELBOW - 24° CONE - HEAVY TYPE



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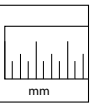
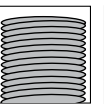
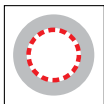
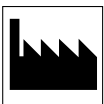


	CODE	DN	SIZE	INCH	F	H	L	K	S	O'RING	BAR	PSI
2020000810	CH12FOS20S45B	19	12	3/4	M 30x2	67	129	29	36	16,3x2,4	420	6000
2020000813	CH12FOS25S45B	19	12	3/4	M 36x2	66	128	30	41	20,3x2,4	420	6000
2020040605	CH16FOS25S45B	25	16	1	M 36x2	81	154	33	41	22x2	380	5500
2020031208	CH16FOS30S45B	25	16	1	M 42x2	81	154	33	50	25,3x2,4	380	5500
2020066419	CH20FOS30S45B	31	20	1.1/4	M 42x2	99	187	39	50	25,3x2,4	325	4700
2020031218	CH20FOS38S45B	31	20	1.1/4	M 52x2	100	188	40	60	33,3x2,4	325	4700
2020000877	CH24FOS38S45B	38	24	1.1/2	M 52x2	116	210	44	60	33,3x2,4	290	4200

CH-FOS---90B - 90° METRIC SWEPT ELBOW - 24° CONE - HEAVY TYPE

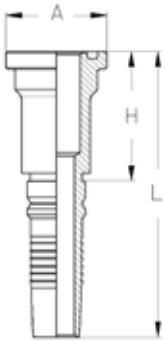


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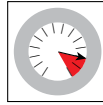
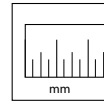
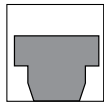
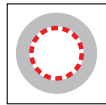
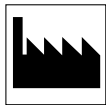


	CODE	DN	SIZE	INCH	F	H	L	K	S	O'RING	BAR	PSI
2020000811	CH12FOS20S90B	19	12	3/4	M 30x2	55	117	60	36	16,3x2,4	420	6000
2020000814	CH12FOS25S90B	19	12	3/4	M 36x2	55	117	60	41	20,3x2,4	420	6000
2020031198	CH16FOS25S90B	25	16	1	M 36x2	71	144	71	41	22x2	380	5500
2020000839	CH16FOS30S90B	25	16	1	M 42x2	71	144	71	50	25,3x2,4	380	5500
2020039854	CH20FOS30S90B	31	20	1.1/4	M 42x2	90	177	85	50	25,3x2,4	325	4700
2020000861	CH20FOS38S90B	31	20	1.1/4	M 52x2	90	177	86	60	33,3x2,4	325	4700
2020031390	CH24FOS38S90B	38	24	1.1/2	M 52x2	107	201	98	60	33,3x2,4	290	4200

CH---FLB - STRAIGHT SAE J518 FLANGE - 3000 PSI - ONE PIECE

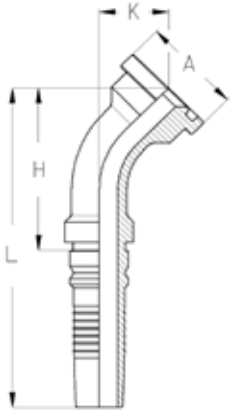


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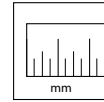
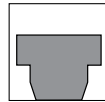
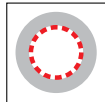


	CODE	DN	SIZE	INCH	INCH	H	L	A	O'RING	BAR	PSI
2020000793	CH1212FLB	19	12	3/4	3/4	52	113	38	24,99x3,53	350	5000
2020000803	CH1216FLB	19	12	3/4	1	58	119	44,5	32,92x3,53	350	5000
2020066420	CH1612FLB	25	16	1	3/4	53	125	38	24,99x3,53	350	5000
2020000823	CH1616FLB	25	16	1	1	59	131	44,5	32,92x3,53	350	5000
2020000833	CH1620FLB	25	16	1	1.1/4	63	135	51	37,69x3,53	280	4000
2020000849	CH2020FLB	31	20	1.1/4	1.1/4	64	151	51	37,69x3,53	280	4000
2020000857	CH2024FLB	31	20	1.1/4	1.1/2	69	156	60,5	47,22x3,53	210	3000
2020000871	CH2424FLB	38	24	1.1/2	1.1/2	69	163	60,5	47,22x3,53	210	3000
2020066421	CH2432FLB	38	24	1.1/2	2	74	168	71,5	56,74x3,53	210	3000
2020000886	CH3232FLB	51	32	2	2	76	173	71,5	56,74x3,53	210	3000

CH---FL45B - 45° SWEEP ELBOW - SAE J518 FLANGE - 3000 PSI - ONE PIECE

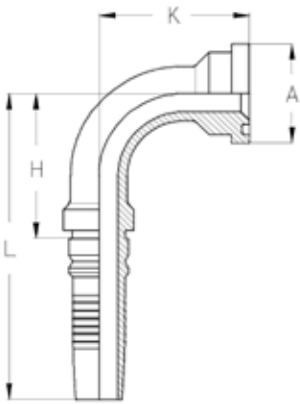


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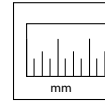
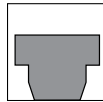
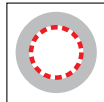
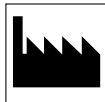


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2020000801	CH1216FL45B	19	12	3/4	1	67	129	31	44,5	32,92x3,53	350	5000
2020066422	CH1612FL45B	25	16	1	3/4	78	151	31	38	24,99x3,53	350	5000
2020000821	CH1616FL45B	25	16	1	1	79	152	32	44,5	32,92x3,53	350	5000
2020000831	CH1620FL45B	25	16	1	1.1/4	80	153	33	51	37,69x3,53	280	4000
2020000847	CH2020FL45B	31	20	1.1/4	1.1/4	99	187	39	51	37,69x3,53	280	4000
2020066444	CH2024FL45B	31	20	1.1/4	1.1/2	99	187	39	60,5	47,22x3,53	210	3000
2020000869	CH2424FL45B	38	24	1.1/2	1.1/2	117	211	46	60,5	47,22x3,53	210	3000
2020066423	CH2432FL45B	38	24	1.1/2	2	118	212	47	71,5	56,74x3,53	210	3000
2020000884	CH3232FL45B	51	32	2	2	152	250	58	71,5	56,74x3,53	210	3000

CH---FL90B - 90° SWEEP ELBOW - SAE J518 FLANGE - 3000 PSI - ONE PIECE

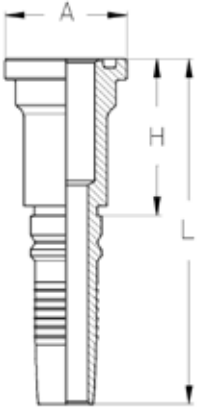


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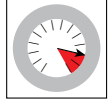
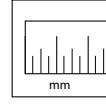
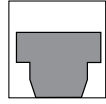
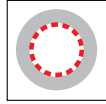
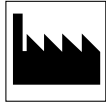


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2020066424	CH1612FL90B	25	16	1	3/4	72	145	67	38	24,99x3,53	350	5000
2020000822	CH1616FL90B	25	16	1	1	72	145	68	44,5	32,92x3,53	350	5000
2020000832	CH1620FL90B	25	16	1	1.1/4	72	145	70	51	37,69x3,53	280	4000
2020000848	CH2020FL90B	31	20	1.1/4	1.1/4	91	178	85	51	37,69x3,53	280	4000
2020000856	CH2024FL90B	31	20	1.1/4	1.1/2	91	178	85	60,5	47,22x3,53	210	3000
2020000870	CH2424FL90B	38	24	1.1/2	1.1/2	108	202	100	60,5	47,22x3,53	210	3000
2020036510	CH2432FL90B	38	24	1.1/2	2	108	202	102	71,5	56,74x3,53	210	3000
2020000885	CH3232FL90B	51	32	2	2	143	281	129	71,5	56,74x3,53	210	3000

CH---FPB - STRAIGHT SAE J518 FLANGE - 6000 PSI - ONE PIECE

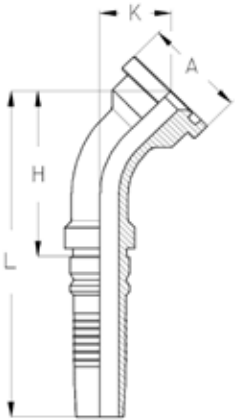


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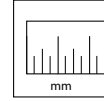
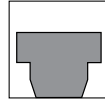
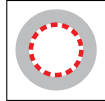
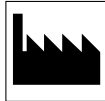


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2020000806	CH1216FPB	19	12	3/4	1	60	122	47,6	32,92x3,53	420	6000
2020066425	CH1612FPB	25	16	1	3/4	59	132	41,3	24,99x3,53	415	6000
2020000826	CH1616FPB	25	16	1	1	64	137	47,6	32,92x3,53	415	6000
2020000836	CH1620FPB	25	16	1	1.1/4	68	141	54	37,69x3,53	415	6000
2020000852	CH2020FPB	31	20	1.1/4	1.1/4	69	157	54	37,69x3,53	415	6000
2020000859	CH2024FPB	31	20	1.1/4	1.1/2	79	166	63,5	47,22x3,53	415	6000
2020000874	CH2424FPB	38	24	1.1/2	1.1/2	79	173	63,5	47,22x3,53	415	6000
2020000889	CH3232FPB	51	32	2	2	97	195	79,4	56,74x3,53	345	5000

CH---FP45B - 45° SWEEP ELBOW - SAE J518 FLANGE - 6000 PSI - ONE PIECE

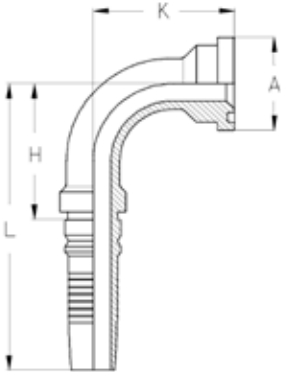


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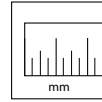
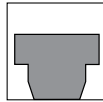
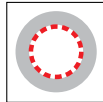
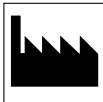


	CODE	DN	SIZE	INCH	INCH	H	L	K	A	O'RING	BAR	PSI
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2020066426	CH1612FP45B	25	16	1	3/4	78	151	31	41,3	24,99x3,53	350	5000
2020000824	CH1616FP45B	25	16	1	1	82	155	35	47,6	32,92x3,53	350	5000
2020000834	CH1620FP45B	25	16	1	1.1/4	87	160	40	54	37,69x3,53	280	4000
2020000850	CH2020FP45B	31	20	1.1/4	1.1/4	100	188	40	54	37,69x3,53	280	4000
2020036695	CH2024FP45B	31	20	1.1/4	1.1/2	105	193	45	63,5	47,22x3,53	210	3000
2020000872	CH2424FP45B	38	24	1.1/2	1.1/2	117	211	46	63,5	47,22x3,53	210	3000
2020000887	CH3232FP45B	51	32	2	2	154	252	60	79,4	56,74x3,53	210	3000

CH---FP90B - 90° SWEEP ELBOW - SAE J518 FLANGE - 6000 PSI - ONE PIECE

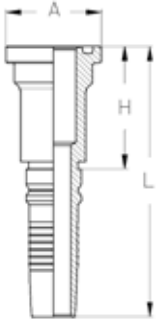


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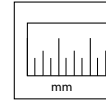
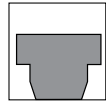
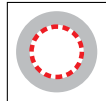
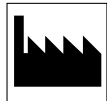


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2020000805	CH1216FP90B	19	12	3/4	1	56	118	66	47,6	32,92x3,53	420	6000
2020066427	CH1612FP90B	25	16	1	3/4	72	145	67	41,3	24,99x3,53	415	6000
2020000825	CH1616FP90B	25	16	1	1	72	145	72	47,6	32,92x3,53	415	6000
2020000835	CH1620FP90B	25	16	1	1.1/4	72	145	79	54	37,69x3,53	415	6000
2020000851	CH2020FP90B	31	20	1.1/4	1.1/4	91	178	86	54	37,69x3,53	415	6000
2020000858	CH2024FP90B	31	20	1.1/4	1.1/2	91	178	93	63,5	47,22x3,53	415	6000
2020000873	CH2424FP90B	38	24	1.1/2	1.1/2	108	202	100	63,5	47,22x3,53	415	6000
2020000888	CH3232FP90B	51	32	2	2	143	240	131	79,4	56,74x3,53	345	5000

CH---YBP - STRAIGHT "SUPERCAT" FLANGE - ONE PIECE

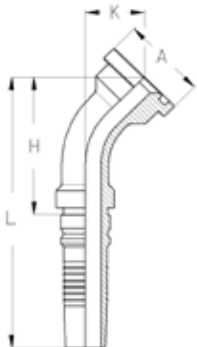


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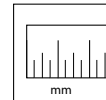
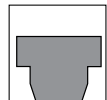
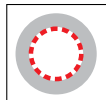
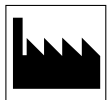


	CODE	DN	SIZE	INCH	INCH	H	L	A	O'RING	BAR	PSI
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2020066429	CH1216YBP	19	12	3/4	1	65	127	47,6	32,92x3,53	420	6000
2020000830	CH1616YBP	25	16	1	1	69	142	47,6	32,92x3,53	420	6000
2020066430	CH1620YBP	25	16	1	1.1/4	72	145	54	37,69x3,53	420	6000
2020043095	CH2020YBP	31	20	1.1/4	1.1/4	73	161	54	37,69x3,53	420	6000
2020066431	CH2024YBP	31	20	1.1/4	1.1/2	80	168	63,5	47,22x3,53	420	6000
2020066432	CH2424YBP	38	24	1.1/2	1.1/2	81	175	63,5	47,22x3,53	350	5000

CH---YP45B - 45° "SUPERCAT" FLANGE - ONE PIECE

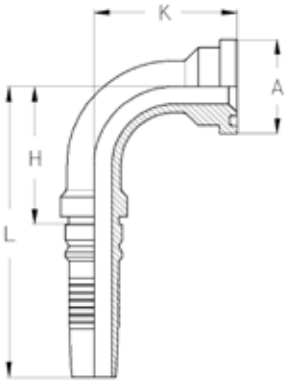


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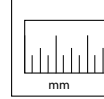
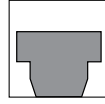
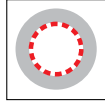
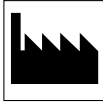


	CODE	DN	SIZE	INCH	INCH	H	L	K	A	O'RING	BAR	PSI
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2020066434	CH1216YP45B	19	12	3/4	1	76	137	39	47,6	32,92x3,53	420	6000
2020066435	CH1616YP45B	25	16	1	1	87	160	40	47,6	32,92x3,53	420	6000
2020066436	CH1620YP45B	25	16	1	1.1/4	88	161	41	54	37,69x3,53	420	6000
2020066437	CH2020YP45B	31	20	1.1/4	1.1/4	102	189	42	54	37,69x3,53	420	6000
2020066438	CH2024YP45B	31	20	1.1/4	1.1/2	108	196	48	63,5	47,22x3,53	420	6000
2020066439	CH2424YP45B	38	24	1.1/2	1.1/2	120	214	49	63,5	47,22x3,53	350	5000

CH---YP90B - 90° "SUPERCAT" FLANGE - ONE PIECE



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CODE	DN	SIZE	INCH	INCH	H	L	K	A	O-RING	BAR	PSI	
2020000800	CH1212YP90B	19	12	3/4	3/4	55	117	70	41,3	24,99x3,53	420	6000
2020000808	CH1216YP90B	19	12	3/4	1	55	117	73	47,6	32,92x3,53	420	6000
2020000829	CH1616YP90B	25	16	1	1	71	144	79	47,6	32,92x3,53	420	6000
2020066440	CH1620YP90B	25	16	1	1.1/4	71	144	82	54	37,69x3,53	420	6000
2020043096	CH2020YP90B	31	20	1.1/4	1.1/4	90	177	89	54	37,69x3,53	420	6000
2020066441	CH2024YP90B	31	20	1.1/4	1.1/2	90	177	97	63,5	47,22x3,53	420	6000
2020066442	CH2424YP90B	38	24	1.1/2	1.1/2	107	201	105	63,5	47,22x3,53	350	5000

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BSPP 60° CONE FEMALE CROSS	320
BSPP 60° CONE FEMALE SWIVEL CAP	319
BSPP 60° CONE FEMALE X FEMALE X FEMALE SWIVEL TEE	313
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BSPP 60° X BSPP MALE 90° ELBOW	309
BSPP FEMALE 60° X BSPP FEMALE 60° SWIVEL	308
BSPP FEMALE X BSPP FEMALE COMPACT 90° ELBOW	312
BSPP FEMALE X BSPP FEMALE SOCKET	309
BSPP FEMALE X BSPP FEMALE SWEPT 45° ELBOW	316
BSPP FEMALE X BSPP FEMALE SWEPT 90° ELBOW	315
BSPP LOCKNUT	321
BSPP MALE 60° CONE METRIC MALE	300
BSPP MALE 60° CONE NPTF UNEQUAL MALE	300
BSPP MALE 60° CONE X BSPP EQUAL MALE	295
BSPP MALE 60° CONE X BSPP UNEQUAL MALE	296
BSPP MALE 60° CONE X BSPT EQUAL MALE	295
BSPP MALE 60° CONE X BSPT UNEQUAL MALE	297
BSPP MALE 60° CONE X JIC 37° CONE MALE	298
BSPP MALE 60° CONE X NPTF EQUAL MALE	299
BSPP MALE 60° CONE X UNF MALE	299
BSPP MALE 60° X BSPP FEMALE 60° SWIVEL	304
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BSPP MALE 60° X BSPP FEMALE FIXED	305
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BSPT MALE X BSPT MALE	302
BSPT SOLID MALE HEX PLUG	318
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To view on-line



HYDRAULIC ADAPTORS

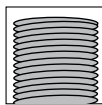
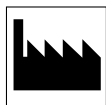
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JIC 37° MALE X JIC FEMALE COMPACT 90° ELBOW	311
JIC 37° MALE X NPTF MALE COMPACT 90° ELBOW	310
JIC BULKHEAD	322
JIC FEMALE HEX CAP	320
JIC FEMALE TEE	314
JIC FEMALE X JIC FEMALE COMPACT 90° ELBOW	312
JIC FEMALE X JIC FEMALE SWIVEL	308
JIC LOCKNUT	322
JIC MALE 37° CONE X JIC FEMALE SWIVEL	307
JIC MALE 37° CONE X NPTF MALE	303
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JIC MALE 37° X BSPP FEMALE 60° SWIVEL	307
JIC MALE HEX PLUG	318
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JIC MALE X JIC MALE 37° CONE	301
JIC MALE X MALE X FEMALE TEE	315
NPT MALE PLUG	318
NPTF MALE X NPTF MALE	303



**BSPM MALE 60° CONE X
BSPM EQUAL MALE**



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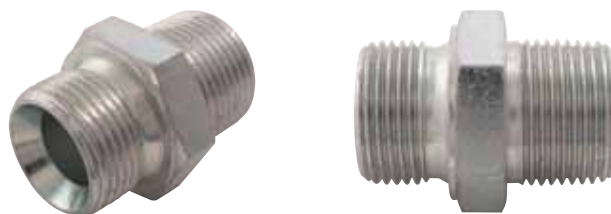


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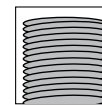
BSPM

2011623380	AOM102M102	1/8
2011623418	AOM104M104	1/4
2011623493	AOM106M106	3/8
2011623568	AOM108M108	1/2
2011623625	AOM110M110	5/8
2011623665	AOM112M112	3/4
2011623730	AOM116M116	1
2011623780	AOM120M120	1.1/4
2011623808	AOM124M124	1.1/2
2011623835	AOM132M132	2

**BSPM MALE 60° CONE X
BSPT EQUAL MALE**



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CODE

BSPM

BSPT

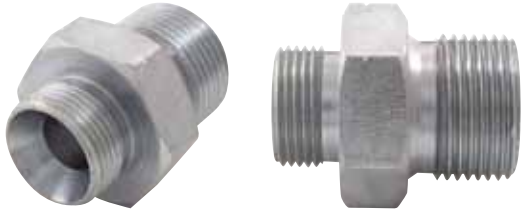
2011623387	AOM102M202	1/8	1/8
2011623432	AOM104M204	1/4	1/4
2011623505	AOM106M206	3/8	3/8
2011623584	AOM108M208	1/2	1/2
2011623632	AOM110M210	5/8	5/8
2011623677	AOM112M212	3/4	3/4
2011623742	AOM116M216	1	1
2011623789	AOM120M220	1.1/4	1.1/4
2011623815	AOM124M224	1.1/2	1.1/2
2011623840	AOM132M232	2	2



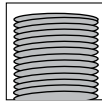
CAUTION - PRESSURE ALERT

Please be aware there are pressure limitations when using taper connections.
IF IN DOUBT PLEASE ASK FOR ADVICE

BSPB MALE 60° CONE X BSPB UNEQUAL MALE

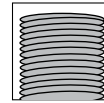


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	CODE	BSPB	BSPB
2011623382	AOM102M104	1/8	1/4
2011623384	AOM102M106	1/8	3/8
2011623386	AOM102M108	1/8	1/2
2011623420	AOM104M106	1/4	3/8
2011623422	AOM104M108	1/4	1/2
2011623424	AOM104M110	1/4	5/8
2011623426	AOM104M112	1/4	3/4
2011623427	AOM104M116	1/4	1
2011623428	AOM104M120	1/4	1.1/4
2011623429	AOM104M124	1/4	1.1/2
2011623430	AOM104M132	1/4	2
2011623495	AOM106M108	3/8	1/2
2011623497	AOM106M110	3/8	5/8
2011623498	AOM106M112	3/8	3/4
2011623500	AOM106M116	3/8	1
2011623501	AOM106M120	3/8	1.1/4
2011623502	AOM106M124	3/8	1.1/2
2011623571	AOM108M110	1/2	5/8

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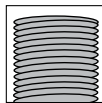
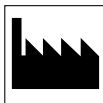


	CODE	BSPB	BSPB
2011623573	AOM108M112	1/2	3/4
2011623575	AOM108M116	1/2	1
2011623577	AOM108M120	1/2	1.1/4
2011623579	AOM108M124	1/2	1.1/2
2011623580	AOM108M132	1/2	2
2011623626	AOM110M112	5/8	3/4
2011623627	AOM110M116	5/8	1
2011623628	AOM110M120	5/8	1.1/4
2011623667	AOM112M116	3/4	1
2011623669	AOM112M120	3/4	1.1/4
2011623671	AOM112M124	3/4	1.1/2
2011623672	AOM112M132	3/4	2
2011623732	AOM116M120	1	1.1/4
2011623734	AOM116M124	1	1.1/2
2011623737	AOM116M132	1	2
2011623782	AOM120M124	1.1/4	1.1/2
2011623784	AOM120M132	1.1/4	2
2011623810	AOM124M132	1.1/2	2

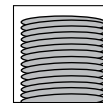
BSPB MALE 60° CONE X BSPT UNEQUAL MALE



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	CODE	BSPB	BSPT
2011623388	AOM102M204	1/8	1/4
2011623390	AOM102M206	1/8	3/8
2011623391	AOM102M208	1/8	1/2
2011623431	AOM104M202	1/4	1/8
2011623434	AOM104M206	1/4	3/8
2011623436	AOM104M208	1/4	1/2
2011623437	AOM104M212	1/4	3/4
2011623503	AOM106M202	3/8	1/8
2011623504	AOM106M204	3/8	1/4
2011623507	AOM106M208	3/8	1/2
2011623510	AOM106M210	3/8	5/8
2011623511	AOM106M212	3/8	3/4
2011623512	AOM106M216	3/8	1
2011623581	AOM108M202	1/2	1/8
2011623582	AOM108M204	1/2	1/4
2011623583	AOM108M206	1/2	3/8
2011623586	AOM108M210	1/2	5/8
2011623587	AOM108M212	1/2	3/4
2011623588	AOM108M216	1/2	1
2011623589	AOM108M220	1/2	1.1/4
2011623629	AOM110M204	5/8	1/4
2011623630	AOM110M206	5/8	3/8
2011623631	AOM110M208	5/8	1/2

	CODE	BSPB	BSPT
2011623633	AOM110M212	5/8	3/4
2011623673	AOM112M204	3/4	1/4
2011623674	AOM112M206	3/4	3/8
2011623675	AOM112M208	3/4	1/2
2011623676	AOM112M210	3/4	5/8
2011623679	AOM112M216	3/4	1
2011623681	AOM112M220	3/4	1.1/4
2011623739	AOM116M206	1	3/8
2011623740	AOM116M208	1	1/2
2011623741	AOM116M212	1	3/4
2011623744	AOM116M220	1	1.1/4
2011623745	AOM116M224	1	1.1/2
2011623746	AOM116M232	1	2
2011623787	AOM120M212	1.1/4	3/4
2011623788	AOM120M216	1.1/4	1
2011623790	AOM120M224	1.1/4	1.1/2
2011027276	AOM120M232	1.1/4	2
2011623813	AOM124M216	1.1/2	1
2011623814	AOM124M220	1.1/2	1.1/4
2011623817	AOM124M232	1.1/2	2
2011027204	AOM132M216	2	1
2011623839	AOM132M224	2	1.1/2



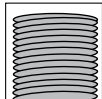
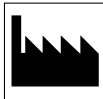
CAUTION - PRESSURE ALERT

Please be aware there are pressure limitations when using taper connections.
IF IN DOUBT PLEASE ASK FOR ADVICE

BSPP MALE 60° CONE X JIC 37° CONE MALE

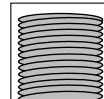
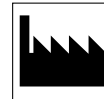


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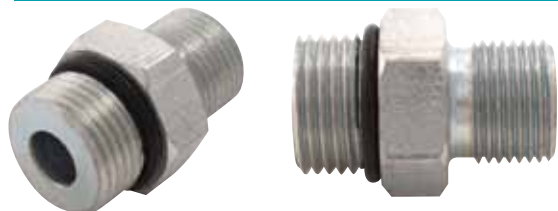
	CODE	BSPP	JIC
2011623395	AOM102M505	1/8	1/2
2011623396	AOM102M506	1/8	9/16
2011623447	AOM104M504	1/4	7/16
2011623449	AOM104M505	1/4	1/2
2011623450	AOM104M506	1/4	9/16
2011623451	AOM104M508	1/4	3/4
2011026749	AOM104M510	1/4	7/8
2011623453	AOM104M512	1/4	1.1/16
2011623454	AOM104M516	1/4	1.5/16
2011623521	AOM106M504	3/8	7/16
2011623522	AOM106M505	3/8	1/2
2011623523	AOM106M506	3/8	9/16
2011623525	AOM106M508	3/8	3/4
2011623526	AOM106M510	3/8	7/8
2011623527	AOM106M512	3/8	1.1/16
2011623528	AOM106M516	3/8	1.5/16
2011623599	AOM108M504	1/2	7/16
2011623601	AOM108M505	1/2	1/2
2011623602	AOM108M506	1/2	9/16
2011623604	AOM108M508	1/2	3/4
2011623605	AOM108M510	1/2	7/8
2011623606	AOM108M512	1/2	1.1/16
2011623608	AOM108M514	1/2	1.3/16
2011623609	AOM108M516	1/2	1.5/16
2011623634	AOM110M506	5/8	9/16
2011623635	AOM110M508	5/8	3/4
2011623636	AOM110M510	5/8	7/8
2011623637	AOM110M512	5/8	1.1/16

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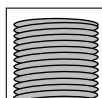


	CODE	BSPP	JIC
2011027205	AOM110M514	5/8	1.3/16
2011623638	AOM110M516	5/8	1.5/16
2011623687	AOM112M504	3/4	7/16
2011623688	AOM112M505	3/4	1/2
2011623689	AOM112M506	3/4	9/16
2011623690	AOM112M508	3/4	3/4
2011623691	AOM112M510	3/4	7/8
2011623692	AOM112M512	3/4	1.1/16
2011623693	AOM112M514	3/4	1.3/16
2011623694	AOM112M516	3/4	1.5/16
2011623695	AOM112M520	3/4	1.5/8
2011029841	AOM116M508	1"	3/4
2011623749	AOM116M510	1"	7/8
2011623750	AOM116M512	1"	1.1/16
2011623751	AOM116M514	1"	1.3/16
2011623752	AOM116M516	1"	1.5/16
2011623754	AOM116M520	1"	1.5/8
2011623755	AOM116M524	1"	1.7/8
2011029829	AOM120M512	1.1/4	1.1/16
2011623792	AOM120M516	1.1/4	1.5/16
2011623793	AOM120M520	1.1/4	1.5/8
2011623794	AOM120M524	1.1/4	1.7/8
2011623818	AOM124M516	1.1/2	1.5/16
2011623819	AOM124M520	1.1/2	1.5/8
2011623820	AOM124M524	1.1/2	1.7/8
2011623822	AOM124M532	1.1/2	2.1/2
2011623841	AOM132M524	2"	1.7/8

**BSPB MALE 60° CONE X
UNF MALE**



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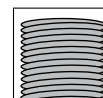


	CODE	BSPB	UNF
2011623455	AOM104M604	1/4	7/16
2011623457	AOM104M606	1/4	9/16
2011623458	AOM104M608	1/4	3/4
2011623530	AOM106M606	3/8	9/16
2011623529	AOM106M604	3/8	7/16
2011623531	AOM106M608	3/8	3/4
2011623532	AOM106M610	3/8	7/8
2011623610	AOM108M608	1/2	3/4
2011623611	AOM108M610	1/2	7/8
2011623612	AOM108M612	1/2	1.1/16
2011623696	AOM112M612	3/4	1.1/16
2011623697	AOM112M616	3/4	1.5/16
2011020020	AOM116M612	1"	1.1/16
2011623756	AOM116M616	1"	1.5/16
2011623757	AOM116M620	1"	1.5/8
2011623823	AOM124M624	1.1/2	1.7/8
2011027206	AOM124M632	1.1/2	2.1/2

**BSPB MALE 60° CONE X
NPTF EQUAL MALE**



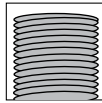
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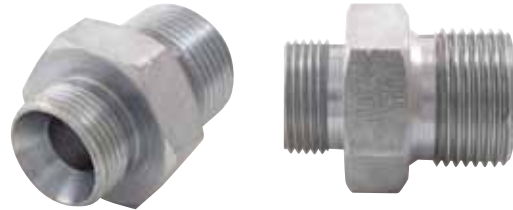
	CODE	BSPB	NPTF
2011623397	AOM102M702	1/8	1/8
2011623461	AOM104M704	1/4	1/4
2011623536	AOM106M706	3/8	3/8
2011623615	AOM108M708	1/2	1/2
2011623700	AOM112M712	3/4	3/4
2011623761	AOM116M716	1"	1"
2011623796	AOM120M720	1.1/4	1.1/4
2011623825	AOM124M724	1.1/2	1.1/2
2011623842	AOM132M732	2"	2"

BSPB MALE 60° CONE NPTF
UNEQUAL MALE

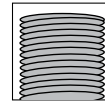
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	CODE	BSP	NPTF
2011623459	AOM104M702	1/4	1/8
2011623463	AOM104M706	1/4	3/8
2011623465	AOM104M708	1/4	1/2
2011623466	AOM104M712	1/4	3/4
2011623533	AOM106M702	3/8	1/8
2011623534	AOM106M704	3/8	1/4
2011623537	AOM106M708	3/8	1/2
2011623538	AOM106M712	3/8	3/4
2011623539	AOM106M716	3/8	1
2011623613	AOM108M704	1/2	1/4
2011623614	AOM108M706	1/2	3/8
2011623617	AOM108M712	1/2	3/4
2011623618	AOM108M716	1/2	1
2011623698	AOM112M706	3/4	3/8
2011623699	AOM112M708	3/4	1/2
2011623702	AOM112M716	3/4	1
2011623703	AOM112M720	3/4	1.1/4
2011623758	AOM116M708	1"	1/2
2011623759	AOM116M712	1"	3/4
2011623762	AOM116M720	1"	1.1/4
2011623795	AOM120M716	1.1/4	1
2011623797	AOM120M724	1.1/4	1.1/2
2011623798	AOM120M732	1.1/4	2
2011623824	AOM124M720	1.1/2	1.1/4

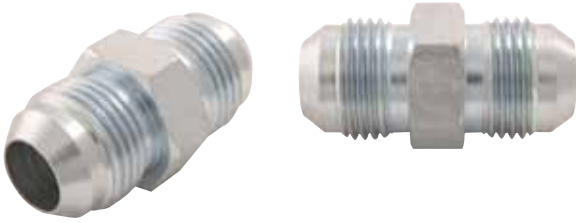
BSPB MALE 60° CONE
METRIC MALE

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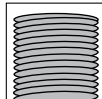


	CODE	BSP	METRIC
2011623392	AOM102M414	1/8	14 x 1.5
2011623438	AOM104M410	1/4	10 x 1.5
2011623439	AOM104M4101	1/4	10 x 1
2011623440	AOM104M412	1/4	12 x 1.5
2011623442	AOM104M414	1/4	14 x 1.5
2011623443	AOM104M416	1/4	16 x 1.5
2011623444	AOM104M418	1/4	18 x 1.5
2011623445	AOM104M420	1/4	20 x 1.5
2011623446	AOM104M422	1/4	22 x 1.5
2011623513	AOM106M412	3/8	12 x 1.5
2011623514	AOM106M414	3/8	14 x 1.5
2011623515	AOM106M416	3/8	16 x 1.5
2011623516	AOM106M418	3/8	18 x 1.5
2011623519	AOM106M420	3/8	20 x 1.5
2011623520	AOM106M422	3/8	22 x 1.5
2011623590	AOM108M412	1/2	12 x 1.5
2011623591	AOM108M414	1/2	14 x 1.5
2011623592	AOM108M416	1/2	16 x 1.5
2011623593	AOM108M418	1/2	18 x 1.5
2011623594	AOM108M420	1/2	20 x 1.5
2011623595	AOM108M422	1/2	22 x 1.5
2011623597	AOM108M424	1/2	24 x 1.5
2011623598	AOM108M426	1/2	26 x 1.5
2011623682	AOM112M420	3/4	20 x 1.5
2011623683	AOM112M422	3/4	22 x 1.5
2011623685	AOM112M426	3/4	26 x 1.5
2011623686	AOM112M433	3/4	33 x 2
2011623747	AOM116M422	1	22 x 1.5
2011623748	AOM116M433	1	33 x 2

JIC MALE X JIC MALE 37° CONE

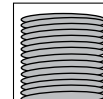


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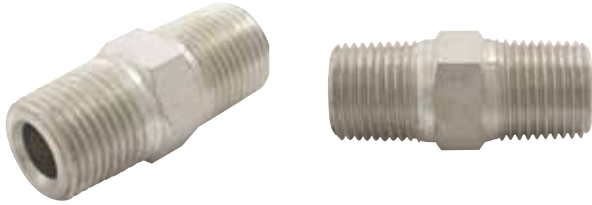
	CODE	JIC	JIC
2011027207	AOM502M502	5/16	5/16
2011026023	AOM502M504	5/16	7/16
2011623880	AOM504M504	7/16	7/16
2011623881	AOM504M505	7/16	1/2
2011623882	AOM504M506	7/16	9/16
2011623883	AOM504M508	7/16	3/4
2011623884	AOM504M510	7/16	7/8
2011027208	AOM505M504	1/2	7/16
2011623891	AOM505M505	1/2	1/2
2011623892	AOM505M506	1/2	9/16
2011020847	AOM505M508	1/2	3/4
2011623893	AOM505M510	1/2	7/8
2011027209	AOM505M512	1/2	1.1/16
2011027210	AOM506M505	9/16	1/2
2011623903	AOM506M506	9/16	9/16
2011623904	AOM506M508	9/16	3/4
2011623905	AOM506M510	9/16	7/8
2011623906	AOM506M512	9/16	1.1/16
2000000000	AOM506M514	9/16	1.3/16

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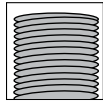
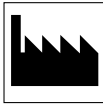


	CODE	JIC	JIC
2011623919	AOM508M508	3/4	3/4
2011623920	AOM508M510	3/4	7/8
2011623921	AOM508M512	3/4	1.1/16
2011623923	AOM508M516	3/4	1.5/16
2011623932	AOM510M510	7/8	7/8
2011623933	AOM510M512	7/8	1.1/16
2011021205	AOM510M514	7/8	1.3/16
2011029960	AOM510M516	7/8	1.5/16
2011623939	AOM512M512	1.1/16	1.1/16
2011623940	AOM512M514	1.1/16	1.3/16
2011623941	AOM512M516	1.1/16	1.5/16
2011623945	AOM514M514	1.3/16	1.3/16
2011623946	AOM514M516	1.3/16	1.5/16
2011623951	AOM516M516	1.5/16	1.5/16
2011623952	AOM516M520	1.5/16	1.5/8
2011623954	AOM520M520	1.5/8	1.5/8
2011623955	AOM520M524	1.5/8	1.7/8
2011623956	AOM524M524	1.7/8	1.7/8

BSPT MALE X BSPT MALE

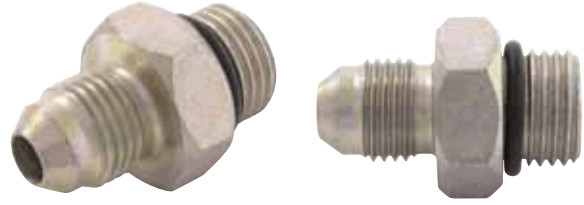


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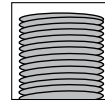
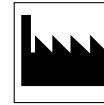


	CODE	BSPT	BSPT
2011623847	AOM202M202	1/8	1/8
2011623848	AOM202M204	1/8	1/4
2011027211	AOM202M206	1/8	3/8
2011623850	AOM204M204	1/8	1/4
2011623851	AOM204M206	1/4	3/8
2011623852	AOM204M208	1/4	1/2
2011623855	AOM206M206	3/8	3/8
2011623857	AOM206M208	3/8	1/2
2011623860	AOM208M208	1/2	1/2
2011623861	AOM208M212	1/2	3/4
2011027212	AOM210M210	5/8	5/8
2011623864	AOM212M212	3/4	3/4
2011027214	AOM212M216	3/4	1
2011623866	AOM216M216	1	1
2011027213	AOM220M220	1.1/4	1.1/4
2011027249	AOM220M224	1.1/4	1.1/2
2011623868	AOM224M224	1.1/2	1.1/2
2011029956	AOM232M232	2	2

JIC MALE 37° CONE X UNF



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	CODE	JIC	UNF
2011020828	AOM505M606	1/2	9/16
2011623885	AOM504M606	7/16	9/16
2011623907	AOM506M606	9/16	9/16
2011623908	AOM506M610	9/16	7/8
2011623934	AOM510M610	7/8	7/8
2011623942	AOM512M610	1.1/16	7/8

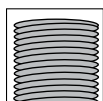
**CAUTION - PRESSURE ALERT**

Please be aware there are pressure limitations when using taper connections.
IF IN DOUBT PLEASE ASK FOR ADVICE

NPTF MALE X NPTF MALE

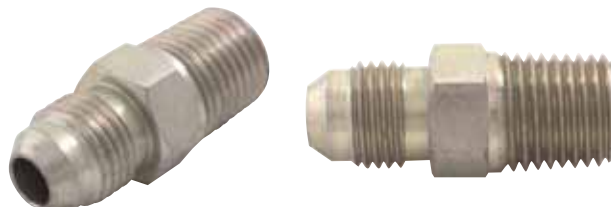


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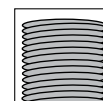


	CODE	NPTF	NPTF
2011623959	AOM704M704	1/4	1/4
2011623961	AOM706M706	3/8	3/8
2011623964	AOM708M708	1/2	1/2
2011623968	AOM712M712	3/4	3/4
2011623970	AOM716M716	1	1
2011623974	AOM720M720	1.1/4	1.1/4
2011623975	AOM724M724	1.1/2	1.1/2

JIC MALE 37° CONE X NPTF MALE

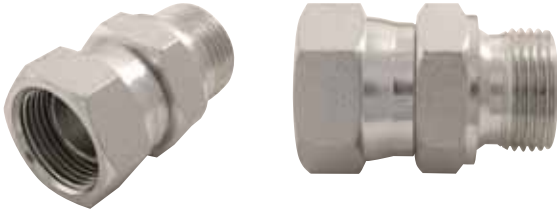


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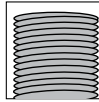
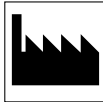


	CODE	JIC	NPTF
2011623886	AOM504M704	1/4	7/16
2011623909	AOM506M704	1/4	9/16
2011623910	AOM506M706	3/8	9/16
2011623911	AOM506M708	1/2	9/16
2011623924	AOM508M704	1/4	3/4
2011026047	AOM508M706	3/8	3/4
2011623926	AOM508M708	1/2	3/4
2011020804	AOM512M706	3/8	1.1/16
2011623944	AOM512M712	3/4	1.1/16
2011024321	AOM512M720	1.1/4	1.1/16
2011021124	AOM524M720	1.1/4	1.7/8

BSPB MALE 60° X BSPB FEMALE 60° SWIVEL

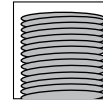


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	CODE	MBSP	FBSP
2011623374	AOM102F106	1/8	3/8
2011623398	AOM104F102	1/4	1/8
2011623400	AOM104F104	1/4	1/4
2011623406	AOM104F106	1/4	3/8
2011623408	AOM104F108	1/4	1/2
2011623411	AOM104F112	1/4	3/4
2011623467	AOM106F102	3/8	1/8
2011623469	AOM106F104	3/8	1/4
2011623475	AOM106F106	3/8	3/8
2011623479	AOM106F108	3/8	1/2
2011623483	AOM106F110	3/8	5/8
2011623484	AOM106F112	3/8	3/4
2011623486	AOM106F116	3/8	1
2011623540	AOM108F104	1/2	1/4
2011623543	AOM108F106	1/2	3/8
2011623547	AOM108F108	1/2	1/2
2011623553	AOM108F110	1/2	5/8
2011623554	AOM108F112	1/2	3/4
2011623557	AOM108F116	1/2	1
2011623619	AOM110F106	5/8	3/8
2011623620	AOM110F108	5/8	1/2
2011623621	AOM110F110	5/8	5/8
2011623622	AOM110F112	5/8	3/4
2011623623	AOM110F116	5/8	1
2011623640	AOM112F104	3/4	1/4

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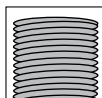


	CODE	MBSP	FBSP
2011623643	AOM112F106	3/4	3/8
2011623645	AOM112F108	3/4	1/2
2011623648	AOM112F110	3/4	5/8
2011623649	AOM112F112	3/4	3/4
2011623654	AOM112F116	3/4	1
2011623656	AOM112F120	3/4	1.1/4
2011623709	AOM116F108	1	1/2
2011623712	AOM116F110	1	5/8
2011623713	AOM116F112	1	3/4
2011623716	AOM116F116	1	1
2011623719	AOM116F120	1	1.1/4
2011623721	AOM116F124	1	1.1/2
2011623764	AOM120F108	1.1/4	1/2
2011623767	AOM120F112	1.1/4	3/4
2011623769	AOM120F116	1.1/4	1
2011623772	AOM120F120	1.1/4	1.1/4
2011623775	AOM120F124	1.1/4	1.1/2
2011623777	AOM120F132	1.1/4	2
2011623801	AOM124F116	1.1/2	1
2011623803	AOM124F120	1.1/2	1.1/4
2011623805	AOM124F124	1.1/2	1.1/2
2011623806	AOM124F132	1.1/2	2
2011623830	AOM132F120	2	1.1/4
2011623832	AOM132F124	2	1.1/2
2011623834	AOM132F132	2	2

BSPB MALE 60° X BSPB FEMALE FIXED

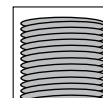


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	CODE	MBSP	FBSP
2011623375	AOM102F102F	1/8	1/8
2011623377	AOM102F104F	1/8	1/4
2011623399	AOM104F102F	1/4	1/8
2011623401	AOM104F104F	1/4	1/4
2011623407	AOM104F106F	1/4	3/8
2011623409	AOM104F108F	1/4	1/2
2011623412	AOM104F112F	1/4	3/4
2011623468	AOM106F102F	3/8	1/8
2011623470	AOM106F104F	3/8	1/4
2011623476	AOM106F106F	3/8	3/8
2011623480	AOM106F108F	3/8	1/2
2011623485	AOM106F112F	3/8	3/4
2011623541	AOM108F104F	1/2	1/4
2011623544	AOM108F106F	1/2	3/8
2011623548	AOM108F108F	1/2	1/2
2011623555	AOM108F112F	1/2	3/4
2011623558	AOM108F116F	1/2	1
2011623639	AOM112F102F	3/4	1/8
2011623641	AOM112F104F	3/4	1/4
2011623644	AOM112F106F	3/4	3/8
2011623650	AOM112F108F	3/4	1/2
2011623650	AOM112F112F	3/4	3/4
2011623655	AOM112F116F	3/4	1

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	CODE	MBSP	FBSP
2011623657	AOM112F120F	3/4	1.1/4
2011623706	AOM116F104F	1	1/4
2011623708	AOM116F106F	1	3/8
2011623710	AOM116F108F	1	1/2
2011623714	AOM116F112F	1	3/4
2011623717	AOM116F116F	1	1
2011623720	AOM116F120F	1	1.1/4
2011623722	AOM116F124F	1	1.1/2
2011623723	AOM116F132F	1	2
2011623765	AOM120F108F	1.1/4	1/2
2011623768	AOM120F112F	1.1/4	3/4
2011623770	AOM120F116F	1.1/4	1
2011623773	AOM120F120F	1.1/4	1.1/4
2011623776	AOM120F124F	1.1/4	1.1/2
2011623800	AOM124F112F	1.1/2	3/4
2011623802	AOM124F116F	1.1/2	1
2011623804	AOM124F120F	1.1/2	1.1/4
2011623827	AOM132F108F	2	1/2
2011623828	AOM132F112F	2	3/4
2011623829	AOM132F116F	2	1
2011623831	AOM132F120F	2	1.1/4
2011623833	AOM132F124F	2	1.1/2



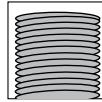
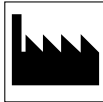
CAUTION - PRESSURE ALERT

Please be aware there are pressure limitations when using taper connections.
IF IN DOUBT PLEASE ASK FOR ADVICE

BSPF MALE 60° X JIC 37° FEMALE SWIVEL

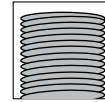


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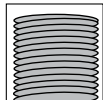
	CODE	MBSP	FJIC
2011623413	AOM104F504	1/4	7/16
2011623414	AOM104F505	1/4	1/2
2011623415	AOM104F506	1/4	9/16
2011623416	AOM104F508	1/4	3/4
2011623417	AOM104F510	1/4	7/8
2011623487	AOM106F504	3/8	7/16
2011623488	AOM106F505	3/8	1/2
2011623489	AOM106F506	3/8	9/16
2011623490	AOM106F508	3/8	3/4
2011623491	AOM106F510	3/8	7/8
2011623560	AOM108F504	1/2	7/16
2011623561	AOM108F505	1/2	1/2
2011623562	AOM108F506	1/2	9/16
2011623563	AOM108F508	1/2	3/4
2011623564	AOM108F510	1/2	7/8

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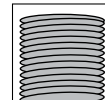
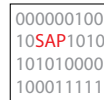
	CODE	MBSP	FJIC
2011623565	AOM108F512	1/2	1.1/16
2011623624	AOM110F508	5/8	3/4
2011021157	AOM110F512	5/8	1.1/16
2011623659	AOM112F508	3/4	3/4
2011623660	AOM112F510	3/4	7/8
2011623661	AOM112F512	3/4	1.1/16
2011623662	AOM112F514	3/4	1.3/16
2011623663	AOM112F516	3/4	1.5/16
2011623725	AOM116F512	1	1.1/16
2011623726	AOM116F514	1	1.3/16
2011623727	AOM116F516	1	1.5/16
2011623728	AOM116F520	1	1.5/8
2011623778	AOM120F520	1.1/4	1.5/8
2011623779	AOM120F524	1.1/4	1.7/8
2011021168	AOM124F524	1.1/2	1.7/8

**JIC MALE 37° X BSPP
FEMALE 60° SWIVEL**



	CODE	MJIC	FBSP
2011027215	AOM504F102	7/16	1/8
2011623877	AOM504F104	7/16	1/4
2011026614	AOM504F106	7/16	3/8
2011623928	AOM504F108	7/16	1/2
2011623887	AOM505F104	1/2	1/4
2011021185	AOM505F106	1/2	3/8
2011024304	AOM505F108	1/2	1/2
2011623894	AOM506F104	9/16	1/4
2011623895	AOM506F106	9/16	3/8
2011623896	AOM506F108	9/16	1/2
2011623912	AOM508F106	3/4	3/8
2011623913	AOM508F108	3/4	1/2
2011027216	AOM508F110	3/4	5/8
2011026421	AOM508F112	3/4	3/4
2011623927	AOM510F106	7/8	3/8
2011623928	AOM510F108	7/8	1/2
2011021187	AOM510F110	7/8	5/8
2011021189	AOM510F112	7/8	3/4
2011623935	AOM512F112	1.1/16	3/4
2011623936	AOM512F116	1.1/16	1
2011027217	AOM514F112	1.3/16	3/4
2011021190	AOM516F112	1.5/16	3/4
2011623947	AOM516F116	1.5/16	1

**JIC MALE 37° CONE X JIC
FEMALE SWIVEL**

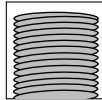


	CODE	MJIC	FJIC
2011623878	AOM504F504	7/16	7/16
2011623879	AOM504F506	7/16	9/16
2011623900	AOM504F508	7/16	3/4
2011623888	AOM505F505	1/2	1/2
2011623889	AOM505F506	1/2	9/16
2011623897	AOM506F504	9/16	7/16
2011623898	AOM506F505	9/16	1/2
2011623899	AOM506F506	9/16	9/16
2011623900	AOM506F508	9/16	3/4
2011623901	AOM506F510	9/16	7/8
2011623914	AOM508F506	3/4	9/16
2011623915	AOM508F508	3/4	3/4
2011623916	AOM508F510	3/4	7/8
2011623917	AOM508F512	3/4	1.1/16
2011029905	AOM510F508	7/8	3/4
2011623929	AOM510F510	7/8	7/8
2011623930	AOM510F512	7/8	1.1/16
2011623931	AOM510F520	7/8	1.5/8
2011024289	AOM512F508	1.1/16	3/4
2011024288	AOM512F510	1.1/16	7/8
2011623937	AOM512F512	1.1/16	1.1/16
2011623938	AOM512F516	1.1/16	1.5/16
2011029938	AOM514F514	1.3/16	1.3/16
2011623948	AOM516F512	1.5/16	1.1/16
2011623949	AOM516F516	1.5/16	1.5/16
2011623950	AOM516F520	1.5/16	1.5/8
2011024319	AOM520F520	1.5/8	1.5/8
2011623953	AOM520F524	1.5/8	1.7/8

JIC FEMALE X JIC FEMALE SWIVEL



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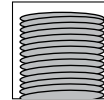


	CODE	FJIC	FJIC
2011623361	AOF504F504	7/16	7/16
2011027218	AOF504F505	7/16	1/2
2011623362	AOF504F506	7/16	9/16
2011623363	AOF505F505	1/2	1/2
2011623364	AOF505F506	1/2	9/16
2011623365	AOF506F506	9/16	9/16
2011024060	AOF506F508	9/16	3/4
2011623366	AOF506F510	9/16	7/8
2011021176	AOF508F510	3/4	7/8
2011623367	AOF508F508	3/4	3/4
2011623368	AOF510F510	7/8	7/8
2011623369	AOF510F512	7/8	1.1/16
2011623370	AOF512F512	1.1/16	1.1/16
2011026356	AOF512F516	1.1/16	1.5/16
2011027219	AOF514F514	1.3/16	1.3/16
2011623371	AOF516F516	1.5/16	1.5/16
2011623372	AOF520F520	1.5/8	1.5/8
2011024197	AOF524F524	1.7/8	1.7/8

BSPF FEMALE 60° X BSPF FEMALE 60° SWIVEL



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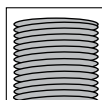


	CODE	FBSP	FBSP
2011623315	AOF104F106	1/4	3/8
2011623320	AOF106F106	3/8	3/8
2011623322	AOF106F108	3/8	1/2
2011623328	AOF108F108	1/2	1/2
2011623336	AOF108F116	1/2	1
2011623338	AOF110F110	5/8	5/8
2011623342	AOF112F112	3/4	3/4
2011623346	AOF112F116	3/4	1
2011623349	AOF116F116	1	1
2011623354	AOF120F120	1.1/4	1.1/4
2011623357	AOF124F124	1.1/2	1.1/2
2011623359	AOF132F132	2	2

**BSPF FEMALE X
BSPF FEMALE SOCKET**



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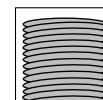


	CODE	FBSP	FBSP
2011623309	AOF102F102F	1/8	1/8
2011623316	AOF102F104F	1/8	1/4
2011623311	AOF102F106F	1/8	3/8
2011623313	AOF104F104F	1/4	1/4
2011623315	AOF104F106F	1/4	3/8
2011015000	AOF104F108F	1/4	1/2
2011623318	AOF104F110F	1/4	5/8
2011623319	AOF104F112F	1/4	3/4
2011623321	AOF106F106F	3/8	3/8
2011623323	AOF106F108F	3/8	1/2
2011623325	AOF106F110F	3/8	5/8
2011623340	AOF106F112F	3/8	3/4
2011623327	AOF106F116F	3/8	1
2011623329	AOF108F108F	1/2	1/2
2011623333	AOF108F110F	1/2	5/8
2011020878	AOF108F112F	1/2	3/4
2011623337	AOF108F116F	1/2	1
2011623339	AOF110F110F	5/8	5/8
2011623340	AOF110F112F	5/8	3/4
2011623341	AOF110F116F	5/8	1
2011623343	AOF112F112F	3/4	3/4
2011623347	AOF112F116F	3/4	1
2011623350	AOF116F116F	1	1
2011623352	AOF116F120F	1	1.1/4
2011623353	AOF116F124F	1	1.1/2
2011623355	AOF120F120F	1.1/4	1.1/4
2011623358	AOF120F124F	1.1/2	1.1/2
2011623360	AOF132F132F	2	2

**BSPF 60° X BSPF MALE
90° ELBOW**



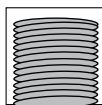
000000100
10SAP1010
101010000
100011111



	CODE	MBSP	MBSP
2011623142	ACM102M102	1/8	1/8
2011623146	ACM104M104	1/4	1/4
2011623152	ACM106M106	3/8	3/8
2011623157	ACM108M108	1/2	1/2
2011623162	ACM110M110	5/8	5/8
2011623165	ACM112M112	3/4	3/4
2011623169	ACM116M116	1	1
2011623172	ACM120M120	1.1/4	1.1/4
2011623174	ACM124M124	1.1/2	1.1/2
2011623176	ACM132M132	2	2

**BSPB 60° MALE X BSPT
MALE COMPACT 90° ELBOW**

000000100
10SAP1010
101010000
100011111



CODE

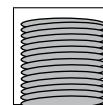
MBSP

MBSP

2011623143	ACM102M202	1/8	1/8
2011623147	ACM104M204	1/4	1/4
2011623153	ACM106M206	3/8	3/8
2011623143	ACM108M208	1/2	1/2
2011623166	ACM112M212	3/4	3/4

**JIC 37° MALE X NPTF MALE
COMPACT 90° ELBOW**

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10SAP1010
101010000
100011111



CODE

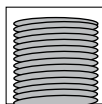
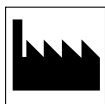
MJIC

MJIC

2011623181	ACM505M704	1/2	1/4
2011623184	ACM506M704	9/16	1/4
2011623185	ACM506M706	9/16	3/8
2011623186	ACM506M708	9/16	1/2
2011623189	ACM508M704	3/4	1/4
2011623190	ACM508M706	3/4	3/8
2011623191	ACM508M708	3/4	1/2
2011623195	ACM510M708	7/8	1/2
2011623198	ACM512M708	1.1/16	1/2
2011623199	ACM512M712	1.1/16	3/4

**JIC 37° MALE X JIC 37° MALE
COMPACT 90° ELBOW**

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101010000
100011111



CODE

MJIC

MJIC

2011623183	ACM506M506	9/16	9/16
2011623188	ACM508M508	3/4	3/4
2011623193	ACM510M510	7/8	7/8
2011623197	ACM512M512	1.1/16	1.1/16
2011029894	ACM516M516	1.5/16	1.5/16
2011623202	ACM520M520	1.5/8	1.5/8
2011623203	ACM524M524	1.7/8	1.7/8

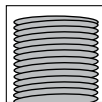
**BSPB MALE 60° X BSPB
FEMALE 60° SWIVEL
COMPACT 90° ELBOW**



**JIC 37° MALE X JIC FEMALE
COMPACT 90° ELBOW**

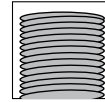


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101010000
100011111



	CODE	MBSP	FBSP
2011623141	ACM102F102	1/8	1/8
2011623144	ACM104F104	1/4	1/4
2011623150	ACM106F106	3/8	3/8
2011623155	ACM108F106	1/2	3/8
2011623156	ACM108F108	1/2	1/2
2011623161	ACM110F110	5/8	5/8
2011623163	ACM112F112	3/4	3/4
2011623167	ACM116F116	1	1
2011623171	ACM120F120	1.1/4	1.1/4
2011623173	ACM124F124	1.1/2	1.1/2
2011623175	ACM132F132	2	2

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10SAP1010
101010000
100011111



	CODE	MJIC	FBSP
2011623177	ACM504F504	7/16	7/16
2011623180	ACM505F505	1/2	1/2
2011623182	ACM506F506	9/16	9/16
2011623187	ACM508F508	3/4	3/4
2011623192	ACM510F510	7/8	7/8
2011623196	ACM512F512	1.1/16	1.1/16
2011623200	ACM516F516	1.5/16	1.5/16
2011623201	ACM520F520	1.5/8	1.5/8
2011024122	ACM524F524	1.7/8	1.7/8



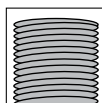
CAUTION - PRESSURE ALERT

Please be aware there are pressure limitations when using taper connections.
IF IN DOUBT PLEASE ASK FOR ADVICE

BSPF FEMALE X BSPF FEMALE COMPACT 90° ELBOW



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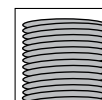


	CODE	FBSP	FBSP
2011623124	ACF102F102	1/8	1/8
2011623125	ACF104F104	1/4	1/4
2011623128	ACF106F106	3/8	3/8
2011623129	ACF108F108	1/2	1/2
2011623131	ACF110F110	5/8	5/8
2011623132	ACF112F112	3/4	3/4
2011623133	ACF116F116	1	1
2011623134	ACF120F120	1.1/4	1.1/4
2011623135	ACF124F124	1.1/2	1.1/2
2011623136	ACF132F132	2	2

BSPF 60° CONE MALE TEE



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101010000
100011111

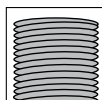


	CODE	BSP
2011623978	ATM102	1/8
2011623980	ATM 104	1/4
2011623984	ATM106	3/8
2011623989	ATM108	1/2
2011623992	ATM110	5/8
2011623993	ATM112	3/4
2011623995	ATM116	1
2011623999	ATM120	1.1/4
2011624001	ATM124	1.1/2
2011624002	ATM132	2

JIC FEMALE X JIC FEMALE COMPACT 90° ELBOW

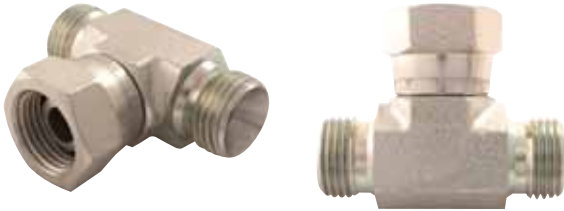


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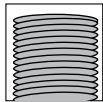
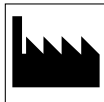


	CODE	FJIC	FJIC
2011623137	ACF506F506	9/16	9/16
2011623138	ACF508F508	3/4	3/4
2011026617	ACF510F510	7/8	7/8
2011027220	ACF512F512	1.1/16	1.1/16

**BSP 60° MALE X 60° MALE X
BSP FEMALE SWIVEL TEE**



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10SAP1010
101010000
100011111

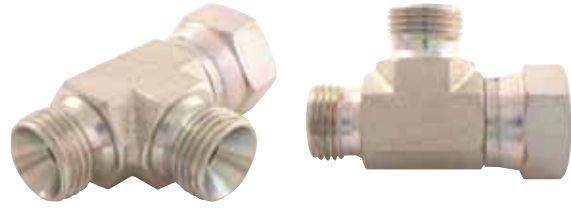


CODE

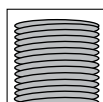
BSP

	CODE	BSP
2011624018	ATM104M104F104	1/4
2011624026	ATM106M106F106	3/8
2011624033	ATM108M108F108	1/2
2011624039	ATM112M112F112	3/4
2011624043	ATM116M116F116	1
2011624048	ATM120M120F120	1.1/4

**BSP 60° MALE X BSP 60° FEMALE
SWIVEL X BSP 60° MALE TEE**



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101010000
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CODE

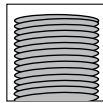
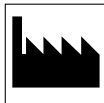
BSP

	CODE	BSP
2011624017	ATM104F104M104	1/4
2011624024	ATM106F106M106	3/8
2011624032	ATM108F108M108	1/2
2011624038	ATM112F112M112	3/4
2011624042	ATM116F116M116	1
2011624047	ATM120F120M120	1.1/4

**BSP 60° CONE FEMALE X
FEMALE X FEMALE SWIVEL TEE**



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101010000
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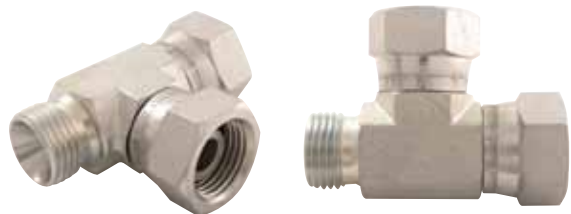


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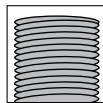
BSP

	CODE	BSP
2011624013	ATF102	1/8
2011624015	ATF104	1/4
2011624022	ATF106	3/8
2011624030	ATF108	1/2
2011624035	ATF110	5/8
2011624036	ATF112	3/4
2011624040	ATF116	1
2011624045	ATF120	1.1/4
2011624049	ATF124	1.1/2
2011624051	ATF132	2

**BSP 60° MALE X FEMALE X
FEMALE SWIVEL TEE**



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10SAP1010
101010000
100011111



CODE

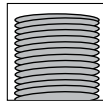
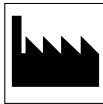
MBSP

	CODE	MBSP
2011624016	ATM104F104F104	1/4
2011624023	ATM106F106F106	3/8
2011624031	ATM108F108F108	1/2
2011624037	ATM112F112F112	3/4
2011624041	ATM116F116F116	1
2011624046	ATM120F120F120	1.1/4

JIC FEMALE TEE



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100011111



CODE

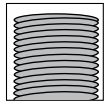
JIC

2011624003	ATF504	7/16
2011624004	ATF505	1/2
2011029884	ATF506	9/16
2011624005	ATF508	3/4
2011624006	ATF510	7/8
2011624007	ATF512	1.1/16
2011027221	ATF514	1.3/16
2011027222	ATF516	1.5/16
2011037648	ATF520	1.5/8
2011026465	ATF524	1.7/8

JIC 37° MALE TEE



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10SAP1010
101010000
100011111



CODE

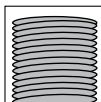
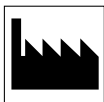
JIC

2011624052	ATM504	7/16
2011624055	ATM505	1/2
2011624056	ATM506	9/16
2011624058	ATM508	3/4
2011624061	ATM510	7/8
2011624062	ATM512	1.1/16
2011624065	ATM514	1.3/16
2011624066	ATM516	1.5/16
2011024390	ATM520	1.5/8
2011024389	ATM524	1.7/8

**JIC MALE X MALE
X FEMALE TEE**



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101010000
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CODE

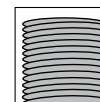
JIC

2011624054	ATM504M504F504	7/16
2011026041	ATM505M505F505	1/2
2011025846	ATM506M506F506	9/16
2011624060	ATM508M508F508	3/4
2011624064	ATM512M512F512	1.1/16
2011020813	ATM516M516F516	1.5/16
2011624068	ATM520M520F520	1.5/8
2011024388	ATM524M524F524	1.7/8

**BSPF FEMALE X BSPF FEMALE
SWEPT 90° ELBOW**



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10SAP1010
101010000
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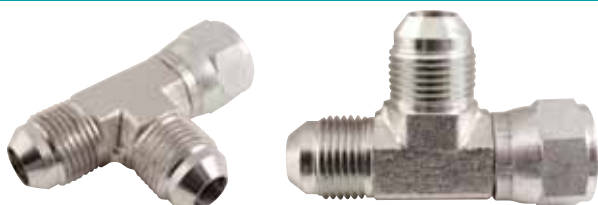


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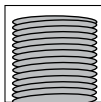
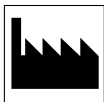
JIC

2011624090	AWF104F104	1/4
2011624091	AWF106F106	3/8
2011624092	AWF108F108	1/2
2011029845	AWF110F110	5/8
2011624093	AWF112F112	3/4
2011624094	AWF116F116	1
2011624095	AWF120F120	1.1/4
2011624096	AWF124F124	1.1/2
2011624097	AWF132F132	2

**JIC MALE X FEMALE
X MALE TEE**



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101010000
100011111



CODE

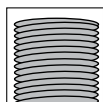
JIC

2011624053	ATM504F504M504	7/16
2011021198	ATM505F505M505	1/2
2011624057	ATM506F506M506	9/16
2011624059	ATM508F508M508	3/4
2011624063	ATM512F512M512	1.1/16
2011624067	ATM516F516M516	1.5/16
2011024058	ATM520F520M520	1.5/8
2011624069	ATM524F524M524	1.7/8

BSP 60° MALE X BSP 60° MALE SWEPT 90° ELBOW



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101010000
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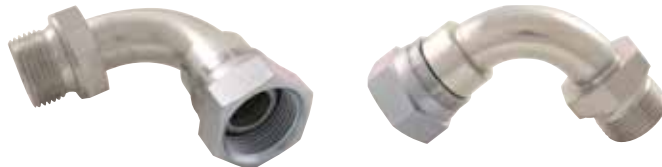


CODE

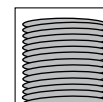
BSP

	CODE	BSP
2011624099	AWM104M104	1/4
2011624101	AWM106M106	3/8
2011624103	AWM108M108	1/2
2011027223	AWM110M110	5/8
2011624107	AWM112M112	3/4
2011624110	AWM116M116	1
2011624112	AWM120M120	1.1/4
2011027224	AWM124M124	1.1/2
2011027225	AWM132M132	2

BSP 60° MALE X BSP 60° FEMALE SWEPT 90° ELBOW



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10SAP1010
101010000
100011111



CODE

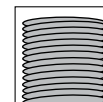
JIC

	CODE	JIC
2011624098	AWM104F104	1/4
2011624100	AWM106F106	3/8
2011624102	AWM108F108	1/2
2011624104	AWM110F110	5/8
2011624105	AWM112F112	3/4
2011624109	AWM116F116	1
2011624111	AWM120F120	1.1/4
2011624114	AWM124F124	1.1/2
2011624116	AWM132F132	2

BSP FEMALE X BSP FEMALE SWEPT 45° ELBOW



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10SAP1010
101010000
100011111



CODE

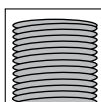
BSP

	CODE	BSP
2011624070	AVF104F104	1/4
2011624071	AVF106F106	3/8
2011624072	AVF108F108	1/2
2011027226	AVF110F110	5/8
2011624073	AVF112F112	3/4
2011624074	AVF116F116	1
2011624075	AVF120F120	1.1/4
2011624076	AVF124F124	1.1/2

**BSP 60° MALE X BSP 60°
MALE SWEPT 45° ELBOW**



00000100
10SAP1010
101010000
100011111



CODE

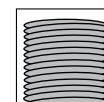
BSP

	CODE	BSP
2011027227	AVM104M104	1/4
2011624079	AVM106M106	3/8
2011624081	AVM108M108	1/2
2011026716	AVM110M110	5/8
2011624084	AVM112M112	3/4
2011624086	AVM116M116	1
2011027228	AVM120M120	1.1/4
2011027229	AVM124M124	1.1/2

**BSP 60° CONE MALE HEX
PLUG**



00000100
10SAP1010
101010000
100011111



CODE

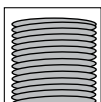
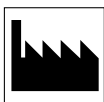
MBS

	CODE	MBS
2011623238	AMO102	1/8
2011623241	AMO104	1/4
2011623244	AMO106	3/8
2011623247	AMO108	1/2
2011623251	AMO110	5/8
2011623253	AMO112	3/4
2011623256	AMO116	1
2011623259	AMO120	1.1/4
2011623263	AMO124	1.1/2
2011623266	AMO132	2

**BSP 60° MALE X BSP 60°
FEMALE SWEPT 45° ELBOW**



00000100
10SAP1010
101010000
100011111



CODE

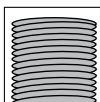
BSP

	CODE	BSP
2011624077	AVM104F104	1/4
2011624078	AVM106F106	3/8
2011624080	AVM108F108	1/2
2011624082	AVM110F110	5/8
2011624083	AVM112F112	3/4
2011624085	AVM116F116	1
2011029819	AVM120F120	1.1/4
2011021141	AVM124F124	1.1/2

BSPP SOLID MALE HEX PLUG



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10SAP1010
101010000
100011111

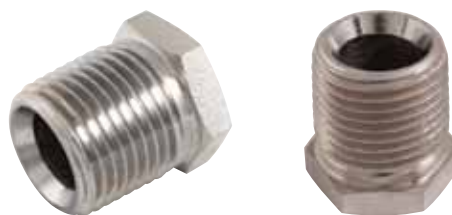


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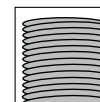
MBSP

2011623239	AMO102S	1/8
2011623242	AMO104S	1/4
2011623245	AMO106S	3/8
2011623248	AMO108S	1/2
2011623252	AMO110S	5/8
2011623254	AMO112S	3/4
2011623257	AMO116S	1
2011623261	AMO120S	1.1/4
2011623264	AMO124S	1.1/2
2011623267	AMO132S	2

BSPT SOLID MALE HEX PLUG



000000100
10SAP1010
101010000
100011111



CODE

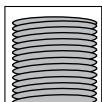
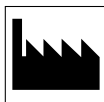
MBSP

2011623268	AMO202	1/8
2011623269	AMO204	1/4
2011623271	AMO206	3/8
2011623273	AMO208	1/2
2011623274	AMO210	5/8
2011623275	AMO212	3/4
2011623277	AMO216	1
2011623278	AMO220	1.1/4
2011623279	AMO224	1.1/2
2011623280	AMO232	2

JIC MALE HEX PLUG



000000100
10SAP1010
101010000
100011111



CODE

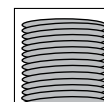
MJIC

	CODE	MJIC
2011623282	AMO504	7/16
2011623283	AMO505	1/2
2011623284	AMO506	9/16
2011623285	AMO508	3/4
2011623286	AMO510	7/8
2011623287	AMO512	1.1/16
2011623288	AMO514	1.3/16
2011623289	AMO516	1.5/16
2011623290	AMO520	1.5/8
2011623291	AMO524	1.7/8

BSPF 60° CONE FEMALE SWIVEL CAP



000000100
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100011111



CODE

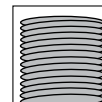
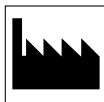
FBSP

	CODE	FBSP
2011623223	AFO504	7/16
2011623224	AFO505	1/2
2011623225	AFO506	9/16
2011623226	AFO508	3/4
2011623227	AFO510	7/8
2011623216		1
2011623229	AFO514	1.3/16
2011623230	AFO516	1.5/16
2011623231	AFO520	1.5/8
2011623232	AFO524	1.7/8
2011623233	AFO532	2.1/2

NPT MALE PLUG



000000100
10SAP1010
101010000
100011111



CODE

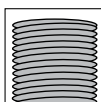
MNPT

	CODE	MNPT
2011623298	AMO704	1/4
2011623300	AMO706	3/8
2011623302	AMO708	1/2
2011623303	AMO712	3/4
2011623304	AMO716	1"
2011623305	AMO720	1.1/4
2011623306	AMO724	1.1/2
2011623307	AMO732	2"

JIC FEMALE HEX CAP



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10SAP1010
101010000
100011111

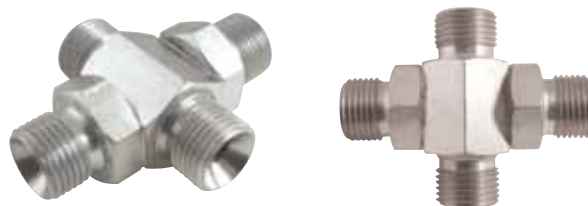


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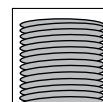
FJIC

2011623205	AFO102	1/8
2011623207	AFO104	1/4
2011623209	AFO106	3/8
2011623224	AFO108	1/2
2011623213	AFO110	5/8
2011623226	AFO112	3/4
2011623216	AFO116	1
2011623228		1.1/16
2011623218	AFO120	1.1/4
2011623220	AFO124	1.1/2
2011623221	AFO132	2

BSP 60° CONE MALE CROSS



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10SAP1010
101010000
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CODE

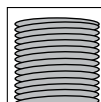
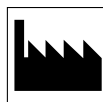
MBSP

2011624124	AXM104	1/4
2011624125	AXM106	3/8
2011624126	AXM108	1/2
2011624127	AXM112	3/4

BSP 60° CONE FEMALE CROSS



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10SAP1010
101010000
100011111

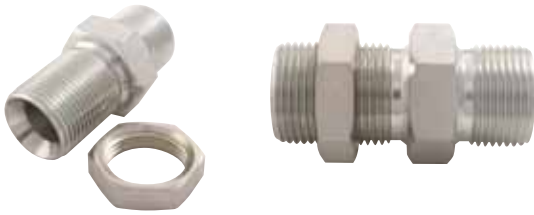


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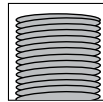
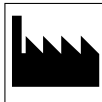
FBSP

2011624117	AXF102	1/8
2011624118	AXF104	1/4
2011624121	AXF106	3/8
2011025002	AXF108	1/2
2011027230	AXF110	5/8
2011624122	AXF112	3/4

BSP 60° BULKHEAD



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10SAP1010
101010000
100011111



CODE

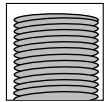
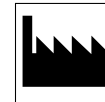
BSP

2011623083	ABHM102M102	1/8
2011623085	ABHM104M104	1/4
2011623089	ABHM106M106	3/8
2011623093	ABHM108M108	1/2
2011623096	ABHM110M110	5/8
2011623099	ABHM112M112	3/4
2011623104	BHM116M116	1
2011623107	ABHM120M120	1.1/4
2011623110	ABHM124M124	1.1/2
2011024083	ABHM132M132	2

BSP LOCKNUT



000000100
10SAP1010
101010000
100011111

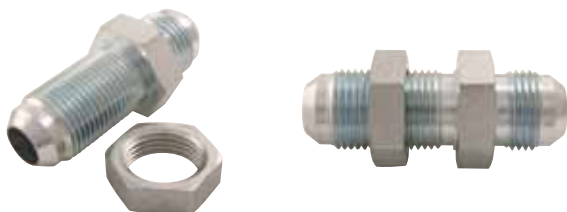


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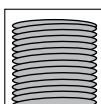
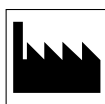
BSP

2011623068	ABHL102	1/8
2011623069	ABHL104	1/4
2011623070	ABHL106	3/8
2011623071	ABHL108	1/2
2011623073	ABHL110	5/8
2011623074	ABHL112	3/4
2011623076	ABHL116	1
2011623077	ABHL120	1.1/4
2011623079	ABHL124	1.1/2
2011623080	ABHL132	2

JIC BULKHEAD



000000100
10SAP1010
101010000
100011111

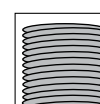


	CODE	BSP
2011623113	ABHM504M504	7/16
2011623114	ABHM505M505	1/2
2011623115	ABHM506M506	9/16
2011623116	ABHM508M508	3/4
2011623118	ABHM510M510	7/8
2011623119	ABHM512M512	1.1/16
2011623120	ABHM514M514	1.3/16
2011623121	ABHM516M516	1.5/16
2011623122	ABHM520M520	1.5/8
2011623123	ABHM524M524	1.7/8

JIC LOCKNUT



000000100
10SAP1010
101010000
100011111



	CODE	JIC
2011025850	ABHL504	7/16
2011029859	ABHL505	1/2
2011029870	ABHL506	9/16
2011029865	ABHL508	3/4
2011623113	ABHL510	7/8
2011029851	ABHL512	1.1/16
2011623120	ABHL514	1.3/16
2011026261	ABHL516	1.5/16
2011623122	ABHL520	1.5/8
2011623123	ABHL524	1.7/8

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To view on-line



Hose Protection

with Wear Indicator

WEAR-INDICATOR “SAFE-SPIRAL ABRA”

Safe-Spiral ABRA is 2-coloured wear indicator-spiral. Safe-Spiral Abra helps you to identify the spots that need more careful observation: once the black top layer wears off and you can see the yellow colour, you know the spiral needs to be observed and soon replaced.

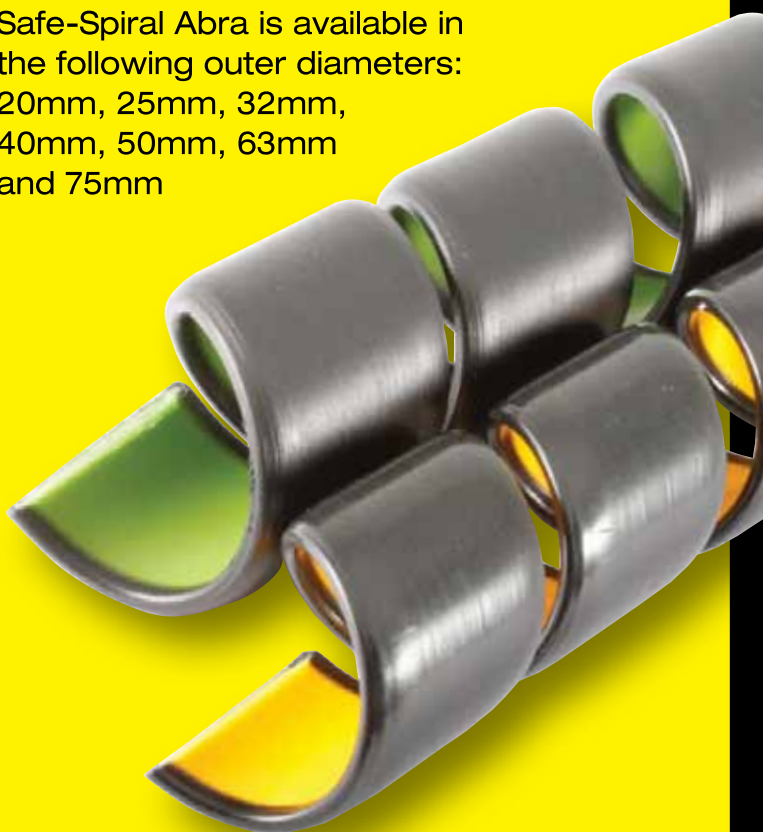
Abrasion of this spiral is very minimal, even though the thickness of the top layer is only 0.5mm. It would take approximately 1000km or 415 hours to wear off, at 1.9 MPa surface pressure (pin-on-disk tester).

Lengths: Available only in coils

Colours: Black surface, yellow interior

Material: HD polyethylene (double extruded)

Safe-Spiral Abra is available in the following outer diameters: 20mm, 25mm, 32mm, 40mm, 50mm, 63mm and 75mm



ANTISTATIC “SAFE-SPIRAL ASTA”

Safe-Spiral ASTA is a 2-coloured permanently antistatic spiral which is designed for underground mines and other special environments that demand surface conductivity.

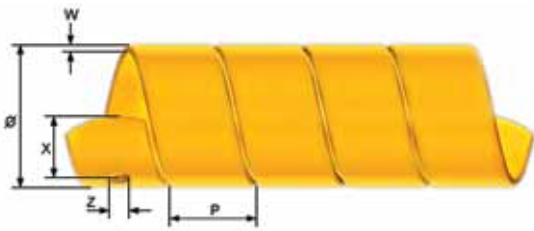
Lengths: Available only in coils

Colours: Black surface, green interior

Material: HD polyethylene (double extruded)

Safe-Spiral Asta is available in the following outer diameters: 20mm, 25mm, 32mm, 40mm, 50mm, 63mm, 75mm, 90mm and 110mm

SAFE-SPIRAL HOSE PROTECTOR



Protects hydraulic and pneumatic hoses from abrasion, shocks and general rubbing. Makes hoses more visible, helping to prevent possible accidents. Is easy to install either before or after assembly of the hose.

SAFE-SPIRAL

Is made by directly compressing the raw material, High Density Polyethylene.

The advantages gained by using this method are:

- Greater strength of the spiral
- Round edge profile of the spiral

SAFE-SPIRAL

- Is resistant to acids, oils and solvents
- Contains antistatic additive
- Is flexible
- Is UV-protected
- Ø 75mm to 140mm pre-cuts have a hole for lengthening purposes
- Resists frost and heat (temperature range from -50°C up to +100°C)
- Is recyclable

COLOURS:

Yellow and black

COILS:

Length

- 10m
- 12m
- 15m
- 20m
- 25m
- 25m and 50m

Size

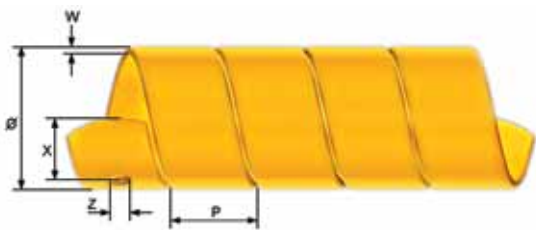
- 140mm
- 125mm
- 110mm
- 75mm ● 90mm
- 12 - 20mm ● 40mm ● 63mm
- 25 - 50mm

PRE-CUT LENGTHS:

Up to 6m

SAP CODE	O.D. mm	I.D. mm	Weight ca. kg/m	Wall mm	Pitch mm	Hole distance X mm	Hole diameter Z mm	Recommended usage range mm
2020047651	12	9,6	0.04	1,2	10,5	-	-	9 – 13
2020047652	16	13,4	0.06	1,3	12	-	-	13 – 18
2020047653	20	16,0	0.09	2	20	-	-	16 – 22
2020047654	25	20,6	0.15	2,2	25	-	-	20 – 27
2020047655	32	27,0	0.19	2,5	22	-	-	27 – 36
2020047656	40	34,6	0.3	2,7	24	-	-	34 – 44
2020047657	50	43,2	0.4	3,4	30	-	-	43 – 55
2020047658	63	55,6	0.65	3,7	27	-	-	55 – 67
2020047659	75	66,2	0.73	4,4	42	35	10	66 – 80
2020047660	90	80,2	1.2	4,9	45	35	10	80 – 98
2020047661	110	99,0	1.76	5,5	50	35	10	99 – 115
2020047662	125	113,2	2.05	5,9	52	35	10	113 – 130
2020047663	140	127,0	2.5	6,5	55	35	10	125 – 155

FLEX-SPIRAL HOSE PROTECTOR



Flex-Spiral is produced in the same way and of the same raw material (HD PE) as Safe-Spiral which equates to the same profile and rounded edge finish and quality features.

The Safeplast Flex-Spiral is more flexible than Safe-Spiral because

- It has narrower pitch than Safe-Spiral
- Its wall is thinner than Safe-Spiral

With these properties, the installation of Flex-Spiral is easier. This makes it eminently suitable for use with the new generation of compact and super flexible wire braid and wire spiral hose assemblies.

It is also suitable for additional protection on high performance thermoplastic hoses

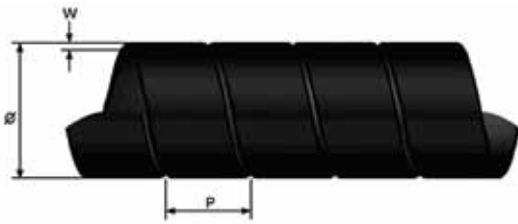
Flex-Spiral supply is currently available to order in the following sizes

COLOURS: Yellow and black
PRE-CUT LENGTHS: Up to 6m
COILS: 25 m (75mm in 20m coils)
Material: High Density Polyethylene

The hose protector contracts during storage and transportation, but will return its original size when installed.

SAP CODE	O.D.	I.D.	Weight	Wall	Pitch	Length only in coils
	mm	mm	ca. kg/m	mm	mm	X mm
2020067049	20	6,8	0.08	1,6	16	25m
2020067050	25	21,6	0.1	1,7	19	25m
2020067051	32	28	0.18	2	22	25m
2020067052	50	44,8	0.35	2,6	24	25m
2020067053	75	68,6	0.65	3,2	35	20m

SAFEPLAST BINDING SPIRAL



This product has been developed to protect electric cables and wires from stress caused by abrasion and shocks and to make the installation and maintenance of electrical cables easier.

SAFEPLAST Binding Spiral is produced from frost and heat resistant PE by cutting from plastic pipe.

SAFEPLAST BINDING SPIRAL

- Tolerates acids, oils and solvents
- Is flexible
- Is UV-protected
- Is usable from -30°C up to +80°C
- Is recyclable

COLOURS:	Black
LENGTHS:	6mm 100m 8 - 15mm 50m 20 - 32mm 25m
MATERIAL:	Polyethylene

SAP CODE	O.D. mm	I.D. mm	Wall mm	Pitch mm	Length m
2020067054	6	4	1	5,5	100
2020067055	8	6	1	5,5	50
2020067056	10	8	1	8	50
2020067057	12	10	1	8	50
2020067058	15	12,5	1,25	10	50
2020067059	20	6,6	1,7	12,5	25
2020067060	25	21	2	12,5	25
2020067061	32	28	2	15	25

SAFE SLEEVE MSHA



Easy to install, textile MSHA-approved SAFE SLEEVE is produced from polyester which is recyclable material.

SAFE SLEEVE MSHA has excellent pressure resistance and protects people in close proximity to a hose failure and meets the requirements of standards EN ISO 3457 and EN 12999.

The recommended temperature range is -40...+120°C.

SAFE-SLEEVE MSHA is UV-protected and has very low electrical conductivity.

Abrasion resistance of **SAFE-SLEEVE MSHA** is excellent.

COLOURS:	Black with white printing. Customised printing is available
LENGTHS:	50m / roll.

Test reports are available on request.

SAP CODE	Part Number	I.D. tolerance +/- 0.5mm
2020067062	MSHA-RD17M	17
2020067063	MSHA-RD23M	23
2020067064	MSHA-RD27M	27
2020067065	MSHA-RD30M	30
2020067066	MSHA-RD36M	36
2020067067	MSHA-RD39M	39
2020067068	MSHA-RD46M	46
2020067069	MSHA-RD55M	55
2020067070	MSHA-RD62M	62
2020067071	MSHA-RD78M	78
2020067072	MSHA-RD109M	109
2020067073	MSHA-RD125M	125

SAFEPLAST MINING SPIRAL



Safeplast mining spiral has been developed especially for the mining industry. The product is made by compressing raw material containing an antistatic additive, preventing the forming of static electricity. These properties make the product suitable for mining conditions.

COLOURS: Black
LENGTHS: 2m
DIAMETERS: 60 mm and 110 mm

SAFEPLAST MINING SPIRAL

- Contains antistatic additive
- Is resistant to acids, oils and solvents
- Is possible to have with a hole which helps the lengthening of the product
- Is made from PE plastic which withstands frost and heat from -50°C up to +100°C
- Is UV-protected
- Is recyclable

SAP CODE	O.D. mm	Weight ca. kg/m	Wall mm	Pitch mm	Hole distance X mm	Hole diameter Z mm	Recommended usage range mm
2020067076	60 mm	0.49	3	33	35	15	50 – 60
2020067077	110 mm	1.28	4	42	35	15	80 – 100

SAFE SLEEVE PP



Easy to install, textile **SAFE-SLEEVE** is produced from polypropylene which is very hard-wearing and recyclable. Polypropylene is generally acid and alkali resistant.

SAFE-SLEEVE has excellent pressure resistance and protects people in close proximity to a hose failure. It meets the requirements of EN 12999 and EN ISO3457 standards.

The recommended temperature range is -40...- +80°C. **SAFE-SLEEVE** is UV-protected and has a very low electrical conductivity. Abrasion resistance of **SAFE-SLEEVE** is excellent: when tested (standard SFS-EN ISO 12947-3) the **SAFE SLEEVE** performance was 10 times greater than a similar competitive product.

COLOURS: Black with no printing/identification.

LENGTHS: 50m / roll.

SAP CODE	Part Number	I.D. tolerance +/- 0.5mm
2020047159	SL-XRD 17	17
2020047160	SL-XRD 23	23
2020047161	SL-XRD 27	27
2020047162	SL-XRD 30	30
2020047163	SL-XRD 36	36
2020047164	SL-XRD 39	39
2020047165	SL-XRD 46	46
2020047166	SL-XRD 55	55
2020047167	SL-XRD 62	62
2020047168	SL-XRD 78	78
2020047169	SL-XRD 109	109
2020047170	SL-XRD 125	125

SAFE WRAP



SAFE-WRAP is produced from 100% polyamide 6.6 with PU coating and Velcro® -brand fasteners which make it very easy to install on hose lines after assembly/ installation and repeatedly when required.

Its tensile strength is excellent (EN ISO 13934-1) and water repellence of the fabric is 100% (EN 24920).

This product is available on request in the following sizes

INSIDE DIAMETERS AVAILABLE:

40mm, 60mm, 80mm, 100mm, 120mm

SAFE-WRAP



SAFE STRIP



SAFE-STRIP bundles hose lines again and again.

It is produced from polypropylene and has Velcro®-brand fasteners. Maximum force of Safe-Strip is average of 1500 Nm

The buckle is stainless steel and this product is available in three versions

AVAILABLE FOR BUNDLES OF DIAMETER:
max: 70mm, 100mm, 125mm, 155mm, 180mm

White woven Safe-Strip logo.

SAFE-STRIP



Velcro Fastener
With or without fixing/mounting eyelet.



Buckle Fastener
With or without fixing/mounting eyelet.

STANDARD COILS



6m LONG PIECES

SAP CODE	Diameter	Pieces	Package
	mm	pcs	cm
2020067100	20	25	60 x 80 x 27
2020067101	25	25	60 x 80 x 40
2020067102	32	10	60 x 80 x 27
2020067103	32	30	60 x 80 x 63
2020067104	50	10	60 x 80 x 40
2020067105	75	5	60 x 80 x 63
2020067106	90	4	60 x 80 x 63
2020067107	110	3	60 x 80 x 63
2020067108	140	2	60 x 80 x 63

SAP CODE	Diameter	Length	Package
	mm	m	cm
2020067085	12	25	40 x 40 x 10
2020067086	16	25	40 x 40 x 10
2020067087	20	25	40 x 40 x 15
2020067088	25	25	40 x 60 x 15
2020067089	25	50	40 x 60 x 25
2020067090	32	25	40 x 60 x 25
2020067091	32	50	40 x 60 x 37
2020067092	40	25	40 x 60 x 37
2020067093	50	25	60 x 80 x 27
2020067094	50	50	60 x 80 x 40
2020067095	63	25	60 x 80 x 40
2020067096	75	20	60 x 80 x 40
2020067097	90	20	60 x 80 x 63
2020067098	110	15	60 x 80 x 63
2020067099	140	10	60 x 80 x 63

SAFE TOOL FOR EASIER INSTALLATION



Start by rotating the spiral 1-2 rounds onto the hose / hose bundle (if the spiral is long it is better to start from the middle). Lift the spiral on top of the pin, the pin towards the mounting direction. Holding spring follows the hose. Turn the tool by its handle.

TOLERANCE FOR WALL AND PITCH, MATERIAL HDPE

SAP CODE	Product	O.D. mm	Weight ca. kg/m	Wall mm	Tolerance mm	Pitch mm	Tolerance mm
2020047653	Safe-Spiral	20	0.09	2	± 0.3	20	± 1.3
2020067049	Flex-Spiral	20	0.08	1,6	± 0.3	16	± 1.3
2020047654	Safe-Spiral	25	0.15	2,2	± 0.3	25	± 1.3
2020067050	Flex-Spiral	25	0.1	1,7	± 0.3	19	± 1.3
2020047655	Safe-Spiral	32	0.19	2,5	± 0.4	22	± 1.5
2020067051	Flex-Spiral	32	0.18	2	± 0.4	22	± 1.5
2020047656	Safe-Spiral	40	0.3	2,7	± 0.4	24	± 1.7
2020047657	Safe-Spiral	50	0.4	3,4	± 0.4	30	± 2.0
2020067052	Flex-Spiral	50	0.35	2,6	± 0.4	24	± 2.0
2020067076	Mining spiral	60	0.49	3	± 0.3	33	± 2.0
2020047658	Safe-Spiral	63	0.65	3,7	± 0.4	37	± 2.0
2020047659	Safe-Spiral	75	0.73	4,4	± 0.4	42	± 2.0
2020067053	Flex-Spiral	75	0.65	3,2	± 0.4	35	± 2.0
2020047660	Safe-Spiral	90	1.2	4,9	± 0.4	45	± 2.0
2020067077	Mining spiral	110	1.28	4	± 0.4	42	± 2.0
2020047661	Safe-Spiral	110	1.76	5,5	± 0.5	50	± 2.0
2020047663	Safe-Spiral	140	2.5	6,5	± 0.6	50	± 2.0

Product Warranty and Conditions

Stauff UK Ltd warrants to the purchaser that products sold will be free from defects in material and workmanship for the warranty period of 2 years from the date of manufacture or product supply.

If the customer/buyer claims that the product supplied is in any way faulty Stauff UK Ltd upon written notice under the procedure below will either examine the product at an agreed location of issue instructions for the return to Stauff UK at the buyer's expense, prepaid.

Any claim should be notified in writing to the supplier within a set period, 5 days from the knowledge of the reported defect and justified through this process, only on the receipt of this can action be taken. The customer should return all products related to this claim to save any future inconvenience.

Stauff UK Ltd sole obligation under its warranty will be at its option to repair, replace or refund the price of any product which is proven to be verified under the claim procedure. Stauff UK Ltd will in no circumstances be held responsible for special, accidental or consequential damage such as, loss of turnover, loss of production having to shut down machinery, or loss of products and similar.

Stauff UK Ltd does not cover any faults caused by normal deterioration, accelerated deterioration caused by special physical, chemical or electrochemical conditions, insufficient maintenance or incorrect repair, failure to follow BS5244 storage, user and operating instructions, use of unsuitable materials, the effects of a chemical or electrolyte process, assembly operations not carried out using suppliers products or manufacturing instructions or any other faults arising as a result of circumstances over which the supplier has no control.

At its option Stauff UK Ltd will compensate for any possible defects arising in materials or manufacture of its products. Complaints arising from obvious shortages as well as deviations in quantities can only be taken into account, if they have been noted immediately on receipt of the goods and directly on the despatch documentation of the carrier and have been validly lodged with Stauff UK Ltd within not more than three working days.

Liability

Stauff UK Ltd is liable for its own faults and for that of other parties employed in performing its obligations, but not in the case of minor negligence and only the terms expressed in this warranty shall apply.

Therefore as stated we accept no liability in so far as legally permissible and Stauff UK Ltd expressly disclaims all other warranties including the implied warranty of merchantability and the implied warranty of fitness for a particular purpose.

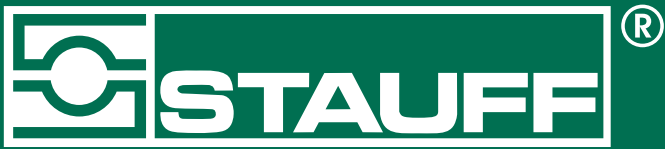
This warranty constitutes part of our General Sales Conditions.

This catalogue is prepared with care to ensure all data is correct at the time of publication. We reserve the right to make amendments at any time without prior notification.

Images are produced in conjunction with suppliers and are correct at time of inclusion. Products received may vary slightly in colour from that shown due to the manufacturer's future production developments.

Issue 2 (2090030060) 09/12. Technical data is constantly being updated due to product specification development, please keep yourself informed of advancements in new technologies via our website (www.stauff.co.uk) or your account handler.

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