

Hydraulic Hose Fittings in Stainless Steel

Catalogue



ENGINEERING YOUR SUCCESS.

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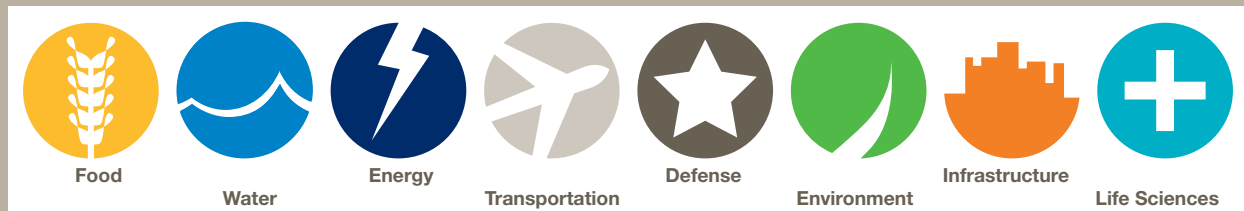
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SOLVING THE WORLD'S GREATEST ENGINEERING CHALLENGES.

Our focus on solving some of the world's greatest engineering challenges sparks our passion for innovation and secures our future growth.



The development of more efficient energy sources; the desire to produce and distribute clean water; new drug discovery and medical advances; the building of infrastructure and transportation to support a growing population; the safe cultivation, transportation and preservation of food sources; emerging developments in defense; and the protection of our environment – all of these challenges drive Parker people forward, seeking new ways to innovate, combine technologies, collaborate, develop systems and partner with our customers to solve problems.

ENGINEERING YOUR SUCCESS.

If you view the world as we do, through the lens of our broad range of motion and control technologies, you can see a vast number of engineering challenges that are yet to be solved and can make a meaningful difference in the lives of people everywhere.

Our focus is on our customers. By improving their productivity and profitability we create a cleaner, more efficient future for everyone.



PARKER HANNIFIN – THE GLOBAL LEADER AND YOUR PARTNER

Parker Hannifin is the world's leading diversified manufacturer of motion and control technologies and systems, providing precision-engineered solutions for a wide variety of mobile, industrial and aerospace markets. Our products are vital to virtually everything that moves or requires control, including the manufacture and processing of raw materials, durable goods, infrastructure development and all forms of transport.

Our engineering expertise spans the core motion and control technologies – electromechanical, hydraulic and pneumatic – as well as a full complement of fluid control systems; software and electronic controls; filtration systems; and refrigeration, instrumentation and sealing technologies.

Dry Technology

The leader in “dry technology” for the fluid power industry, Parker's Fluid Connectors Group is your single source for high-quality tube fittings, hose and hose fittings, thermoplastic tubing, brass fittings and valves, quickdisconnect couplings and assembly tools.

Markets

The Fluid Connectors Group serves customers in a broad range of markets, including Aerial Lift, Agriculture, Bulk Chemical Handling, Construction Machinery, Food & Beverage, Fuel & Gas Delivery, Industrial Machinery, Medical, Mining, Mobile, Oil & Gas and Transportation.

Customer Services

Products are available for shipment 24 hours a day, supported by 49 manufacturing facilities throughout the world, a global distribution network and 25 company-owned stocking service centers. Our commitment to you is impeccable customer service. To meet your specific requirements, we offer a broad range of programs designed to reduce your overall operating costs, streamline manufacturing, improve productivity, manage inventory, enhance delivery and address safety and environmental issues. For value-added services that generate value-added solutions, team up with Parker!

PARKER HANNIFIN – OPPORTUNITY THROUGH INNOVATION IN THE WORLD’S MOST DEMANDING MARKETS



Worldwide availability

With more than 55,000 employees serving our valued customers in almost 50 countries, Parker is literally everywhere you need us to be. By working with us, you have access to an integrated network of 300+ manufacturing plants, as well as 13,000 distributors and MRO outlets, and over 2,000 ParkerStores™. That's the kind of global network for global businesses demand.

Flexibility

As the world's motion control expert, Parker offers you a complete range of proven, off-the-shelf products. These products deliver exceptional quality and durability, reducing costs and advancing performance.

Innovation

It's what drives us. Our mandate for continuous improvement leads us to partner with our customers to create solutions that are smaller, lighter, sustainable, more energy efficient, and highly reliable.

Hose Products Division Europe

The market leader and your supplier of choice.



Put a bite on the braid.

Parker's world-recognized tiger mascot has represented the Parkrimp No-Skive hose assembly program since its introduction in 1980. In a contest originally held by our marketing department, the tiger was the winning suggestion over three others: a turtle (deemed "too slow"), an alligator ("not very good looking") and a shark ("too intimidating" particularly at the time of the release of the movie Jaws).

More than three decades later, the tiger graphic still supports the Parkrimp message everywhere, clearly symbolizing our unique, patented Parkrimp fittings with tapered steel teeth and our Parkrimp crimping machines. Their ability to eliminate hose cover skiving and achieve the metal-to-metal grip of factory assemblies revolutionized the process for markets worldwide. And today, it's the industry standard.

Pride in our products: At Parker, we believe the best fluid connector products for your operation are the ones that get the job done right. We offer the most comprehensive line of hoses, fittings, equipment and accessories you'll need. And if there's something you need that's not a standard product, we're able to design and manufacture it for you with ease.

You'll also benefit from our ultimate competitive advantage – our network of distribution outlets that can provide our products nearly anytime and anywhere. We strive to provide customers with local engineering, local products and local service.

Parker offers the largest selection of hoses plus more fitting sizes than any other manufacturer. You'll find a wide variety of hoses including braided, spiral and multi-purpose, and more than 4,500 Parkrimp fittings. Parker products have been designed, tested and approved to meet and exceed global standards.



The right product is available for your application, including hose that features a variety of abrasion resistant cover choices, flexibility, a wide range of media compatibility and more – characteristics that make Parker the hose supplier of choice for customers that demand the most from their equipment.

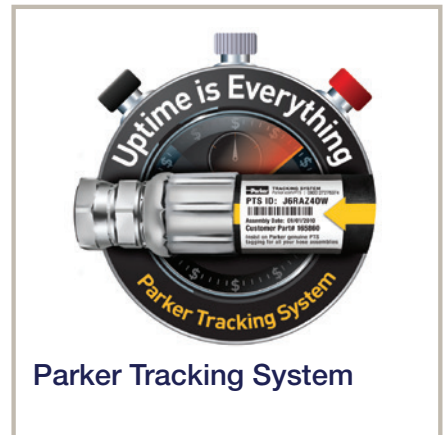


A long history of providing premier customer service.

Our European division headquarters in Veniano, Italy is our precision-engineered-solution center for products, materials and processes, and is equipped with state-of-the-art

development, testing and performance technology. Hose Products Division Europe has 4 manufacturing locations dedicated to provide a quality product on time. Knowing that

uptime and productivity are major drivers in your business success, we proudly present this catalog outlining Parker's best-in-class hose products and services.



Parker Rapid Service Unit

Non standard and customized hose fittings

The Rapid Service Unit (RSU) can provide:

- Jump sizes
- Specific end configurations
- Specific drop lengths
- Fitting/tube combinations
- Customised prototypes
- Any batch size upwards from a single piece

Material options include steel, stainless steel, brass and special materials on request.



The Rapid Service Unit (RSU) is part of the Manufacturing Unit Fittings of Hose Products Division Europe and is a dedicated unit for the manufacture of customised and prototype hose fittings. The unit is responsible for both checking the technical possibilities of the customer request from an engineering perspective as well as establishing the most economic production process. Because of close cooperation between Parker's Manufacturing Units and the Parker Sales Companies (PSC) the Rapid Service Unit (RSU) can live up to its name by reacting, quoting and supplying rapidly. After receiving the order, the RSU team will promptly and carefully process the order – from its receipt to the shipping of the fittings. For the production of such fittings, we have dedicated resources in a state-of-the-art manufacturing cell with CNC machinery and tools.



24 Hours Turn-Around Capability with access to 19 modern CNC

For special applications

in demanding environments stainless steel is the preferred selection

For pneumatic and hydraulic applications in demanding environments, your connection requirements will be met by Parker's range of stainless steel products.

Parker offers a complete system of stainless steel products such as tubes, tube fittings or 1- or 2-piece hose fittings for low, medium and high-pressure hydraulic hoses – everything from one source and approved by well known international classification bodies.

It goes without saying that Parker's stainless steel components are produced using superior quality stainless steel grade 1.4571, 1.4404, or 1.4401.

Thanks to their resistance to corrosion and acids, all components are suitable for tough environments.

However, some special applications require special materials and here you can rely on Parker as well – we have the resources to produce customised hose fittings for even the most demanding customer requirements.



Power in Stainless Steel

- Premier customer service
- Single-source solution
- Worldwide availability
- One team for all requirements
- Customized products
- Special materials
- Complementary design of tube & hose fittings

**MORE VALUE
FOR YOU!**

**POWER
PACKAGE**

Whatever application you may have

we have the best solution in stainless steel for you

Hose Products Division Europe supplies premier customer service by focussing on customer needs and analysing the entire business environment in which our customers operate.

Our expertise spans the core motion and control technologies, and we apply it to make a meaningful difference in the lives of people everywhere. Parker can be found on and around everything that moves!

We engineer and manufacture high quality hoses and hose fittings to help our customers to achieve a higher level of profitability by considering

- our customers' needs and desires
- what hose and fitting technology our customers prefer
- how to advance customer's brand loyalty

By working with us, you have access to an integrated network of global manufacturing plants as well as sales and service offices in 49 countries.

- ✓ Automotive / Machine Tool
- ✓ Injection Moulding
- ✓ Pulp and Paper
- ✓ Marine / Offshore / Shipyard
- ✓ Power Generation and Energy
- ✓ Vertical Drill Rigs
- ✓ Transportation
- ✓ Chemical Industry
- ✓ Tool Industry
- ✓ Steel Works



Contents

Technical Overview

Low Pressure Push-Lok

The intelligent Push-Lok System covering different types of rubber, thermoplastic as well as a hybrid hose version and a wide selection of reusable fittings made of steel, brass and stainless steel.

Pressure range
up to 2.4 MPa

Low Pressure Transportation and Hydraulics

This low pressure range follows the No-Skive concept and the majority can be assembled on Parkrimp machines.

Pressure range
up to 7.5 MPa

Medium Pressure Hydraulics

Hose and fitting product range for applications in mobile and industrial hydraulics.

The perfect range for the more demanding market requirements with a broad selection of Parkrimp No-Skive fittings, with over sixty end configurations, combined with Parker hoses and crimpers allows simple and safe assembly – whenever and wherever needed.

Pressure range
up to 42.5 MPa

High Pressure Hydraulics

Heavy-duty products for heavy-duty applications with a full range of Parkrimp No-Skive multispiral hoses and fittings and ParLock skive type hoses and fittings.

Pressure range
up to 45.0 MPa

Machines, Tooling, Accessories

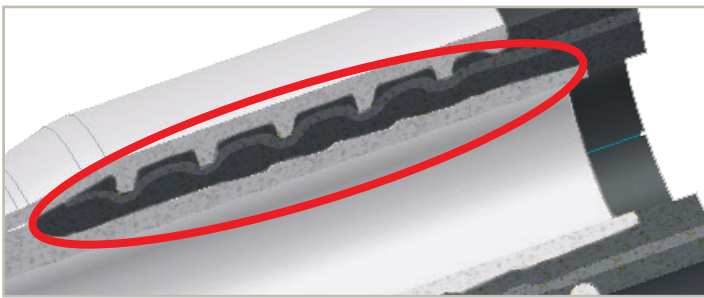
The perfect complement to the largest range of hoses and fittings in the market. Parker crimping technology is recognised throughout the industry as the easiest and most accurate crimping system available.

Crimp Systems you can trust

Along with the ever-growing power and efficiency of each type of machinery and increasing working pressures and flow rates of their hydraulic systems, multispiral hose is gaining an increasingly important role in machine design. Parker Hannifin, as the world leader in the hydraulic hose market, responds to these highly demanding requirements with 3 comprehensive systems – Parkrimp No-Skive, Interlock No-Skive and Parlock Skive type.

Parkrimp *No-Skive* system

is based on no-skiving technology (without removing the rubber cover before assembling)



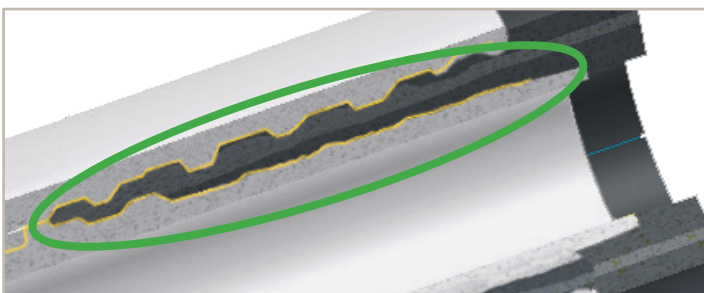
Interlock *No-Skive*™ system

for Compact Spiral™ hoses



ParLock system

uses external or internal and external skiving (Interlock) technology



Each of the systems consists of integrated ranges of hose, fittings and assembling equipment and know-how, all of which are:

- Designed and developed together
- Tested and approved together
- Produced and supplied together

This way Parker Hannifin can guarantee:

- The highest quality and safety and the longest service life of the final product – to the end users,

and at the same time:

- The easiest, most efficient and safe production process – to the assemblers.

In this way Parker Hannifin also meets the requirements of SAE J1273 and ISO 17165-2, which pay particular attention to matching the hose with the fittings and to their compatibility proven by the manufacturer.

Classification Bodies

The mission of classification bodies is to contribute to the development and implementation of technical standards for the protection of life, property and the environment.

- (1) **Det Norske Veritas - Germanischer Lloyd (DNV-GL)**
Norwegian service company for managing risk in ship classification, off-shore industry, etc...
German independent organisation of technical experts approving products for the German mercantile marine and the energy sector – GLIS (oil and gas, wind energy, etc...)
- (2) **Registro Italiano Navale (RINA)**
Italian company offering certification, verification, control, assistance in marine, energy & process, transport and industry.
- (3) **Lloyd's Register (LR)**
English independent organisation providing certification around the world. Marine services, Rail services and Energy services are their main activities.
- (4) **American Bureau of Shipping (ABS)**
US company providing rules for safety in the marine environment.
- (5) **European Rail Standard (EN 45545)**
Railway application – Fire protection on railway vehicles. Requirements for fire behavior of materials and components (hose and hose assemblies).
- (6) **US Department of Transportation (DOT)**
US organisation providing certifications to ensure a fast, safe, efficient, accessible and convenient transportation system in this country.
- (7) **US Coast Guard (USCG)**
Provides maritime safety, law enforcement, recreational boating safety, and environmental protection information for merchant mariners. The approved hoses are not accepted for all applications automatically. If the column contains "H", the hose is accepted for hydraulic systems only and not for fuel and lube systems.
- (8) **Mine Safety and Health Administration (MSHA)**
US organisation for safety in the mining industry
- (9) **MarED**
MarED is the Group of Notified Bodies for the Implementation of the Marine Equipment Directive.
- (10) **Bureau Veritas (BV)**
Bureau Veritas is today the most widely recognized certification body in the world, offering solutions in the key strategic fields of operations: Quality, Health & Safety, Environment and Social Responsibility.
- (11) **Verteidigungs-Gerätenorm (VG)**
German Organisation providing approvals for military equipment.
- (12) **OBAC**
The OBAC (Ośrodek Badań Atestacji i Certyfikacji – Institute for Research and Certification Ltd.) is a private certification body authorised to test and certify equipment and components for use in Polish underground mines.

EN European Standard
ISO International Organisation for Standardization
SAE Society of Automotive Engineers
(US organisation)

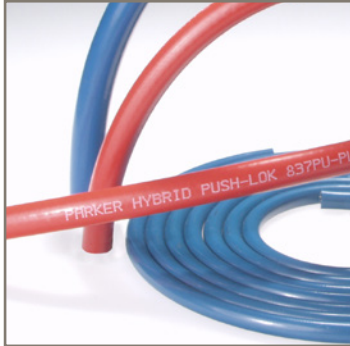
Hose	Fitting serie	Construction	Standard	DNV-GL (1)	RINA (2)	LR (3)	ABS (4)	Rail (5)	DOT (6)	USCG (7)	MSHA (8)	MarED (9)	BV (10)	VG (11)	OBAC (12)
Low pressure Push-Lok	801Plus	1 braid, fibre													
	830M	1 braid, fibre													
	837BM	1 braid, fibre													
	837PU	1 braid, fibre													
	804	1 braid, fibre													
	821FR	1 braid, fibre													
	836	1 braid, fibre									X				
	846	1 braid, fibre										X			
	838M	1 braid, fibre													
	681DB	2 braids, fibre	EN 854-2TE						X						
Medium pressure	421SN	1 braid, wire	EN 853-1SN - ISO 1436-1SNR1AT - SAE 100R1AT	X	X	X	X					X	X	X	
	301SN	2 braids, wire	EN 853-2SN - ISO 1436-2SNR2AT - SAE 100R2AT	X	X	X	X					X	X	X	
	387	braids / spiral*	Exceeds ISO 18752	X			X			X	X				
	441	1/2 braids, wire	ISO 11237-R16 - SAE 100R16												
	487	braids / spiral**	Exceeds ISO 18752	X			X			X	X				
	492	1 braid, wire	Exceeds EN 857-1SC - ISO 11237-1SC	X	X	X	X					X	X	X	
	462	2 braids, wire	Exceeds EN 857-2SC - ISO 11237-2SC	X	X	X	X					X	X	X	
	387TC	braids / spiral*	Exceeds ISO 18752	X			X			X	X				
	462TC	2 braids, wire	Exceeds EN 857-2SC - ISO 11237-2SC	X			X				X	X			
	487TC	braids / spiral**	Exceeds ISO 18752	X			X			X	X				
Medium pressure	387ST	braids / spiral*	Exceeds ISO 18752	X			X			X	X				
	462ST	2 braids, wire	EN 857-2SC - ISO 11237-2SC	X			X			X	X				
	487ST	braids / spiral**	Exceeds ISO 18752	X			X			X	X				
	492ST	1 braid, wire	EN 857-1SC - ISO 11237-1SC	X			X								
	461LT	2 braids, wire	Exceeds EN 857-2SC - ISO 11237-2SC												
	441RH	1/2 braids, wire	ISO 11237-R16 - SAE 100R16					X							
	421RH	1 braid, wire	EN 853-1SN - ISO 1436-1SNR1AT - SAE 100R1AT					X							
	463	2 braids, wire													
	692	1/2 braids, wire	Exceeds SAE 100R17												
	692TWIN	1/2 braids, wire	Exceeds SAE 100R17												
Suction	811	1 braid, 1 steelspiral	SAE 100R4	X			X								
		1/2 braids, wire													

* size -4 up to -16:
size -20 up to -32:

** size -4 up to -12:
size -16 up to -32:
size -16:
Fitting serie 43

*** size -12 up to -32:
size -40 up to -48:
Fitting serie 43
Fitting serie IF

	Hose	Fitting serie	Construction	Standard	DNV-GL (1)	RINA (2)	LR (3)	ABS (4)	Rail (5)	DOT (6)	USCG (7)	MSHA (8)	MarED (9)	BV (10)	VG (11)	OBAC (12)		
High pressure	Standard	372	3 braids, wire	EN 856-4SP - ISO 3862-4SP Exceeds ISO 18752	X	X	X	X					X					
		701	4 spiral, wire		X	X									X			
		722	4 spiral, wire		X	X						X		X				
	Low temperature	371LT	70	3 braids, wire	Exceeds ISO 18752	X							X					
		372TC	70	3 braids, wire		X							X					
		722TC	43	4 spiral, wire		X			X	X		X		X				
	Compact Spiral	787TC	77	4/6 spiral, wire	SAE 100R13 - ISO 3862-R13 - Exceeds ISO 18752-DC SAE 100R15 - ISO 3862-R15 - Exceeds ISO 18752-CC/DC	X	X	X	X			X	X					
		797TC	77	4/6 spiral, wire		X	X	X	X			X	X					
		722ST	43	4 spiral, wire		X		X	X			X		X				
	Railway	372RH	70	3 braids, wire	Exceeds EN 856-4SH - ISO 3862-4SH ISO 3862-R15 - SAE 100R15	X		X	X					X	X			
		H29	I4/M6	4 spiral, wire		X												
		R42	I4/M6	4/6 spiral, wire		X		X	X	X					X			
ParLock	H29TC	I4/M6	4 spiral, wire	Exceeds EN 856-4SH - ISO 3862-4SH ISO 3862-R15 - SAE 100R15	X			X				X				X		
	R42TC	I4/M6	4/6 spiral, wire		X				X				X				X	
	H29ST	I4/M6	4 spiral, wire		X				X				X					
	R42ST	I4/M6	4/6 spiral, wire	ISO 3862-R15 - SAE 100R15	X			X										



Hydraulic Hose Fittings in Stainless Steel

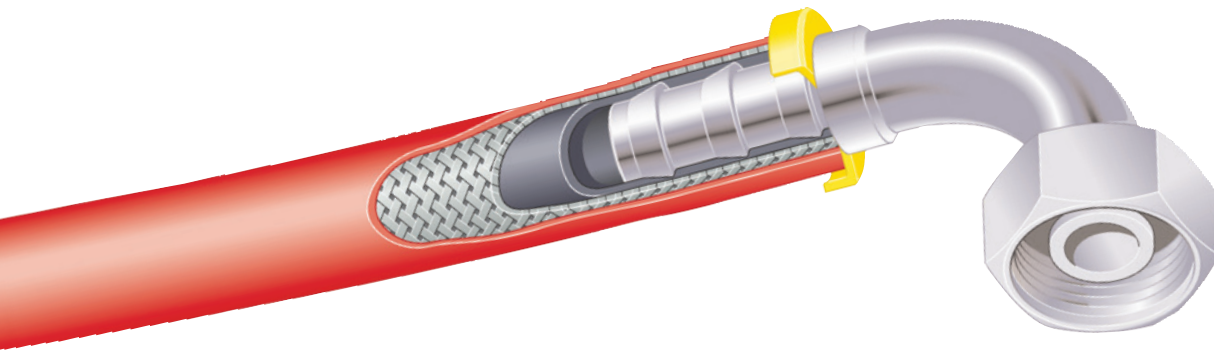
Low-Pressure



ENGINEERING YOUR SUCCESS.

Low Pressure Push-Lok®

The self-grip hose system for low-pressure applications



Wide variety of hose types

6 rubber hose types

- 801Plus** for a variety of applications
- 804** for high-temperature water/phosphate ester fluids
- 821FR** with fire-retardant hose cover
- 831** ideal for petroleum-based fluids
- 836** for high oil temperatures
- 837BM** for a variety of applications including automotive

2 thermoplastic hose types

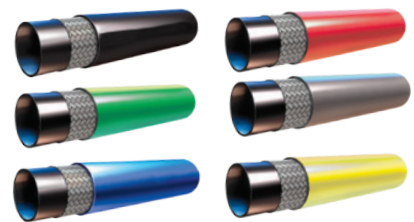
- 830M** for a variety of applications including automotive
- 838M** for non-conductive applications

1 hybrid hose type

- 837PU-Plus** for a variety of applications including automotive

6 different colours

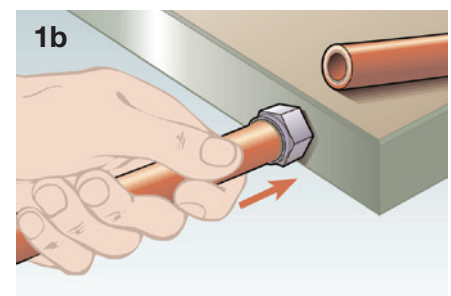
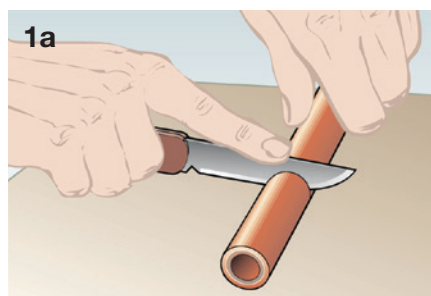
- easy identification
- simple production processes
 - one colour for one particular medium
- easy control of maintenance intervals
- simple stock planning in different departments



Easy assembly – no tools or clamps required

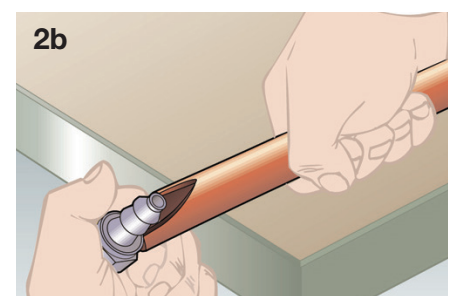
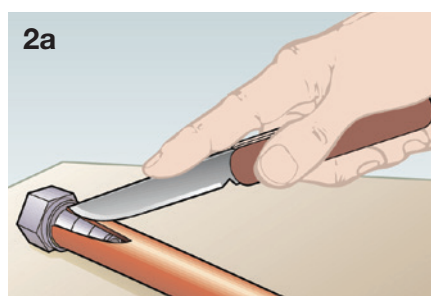
Push-Lok® assembly (1a, b)

- Cut the hose with a sharp knife
- Push the nipple into the hose – that's all!



Push-Lok® disassembly (2a, b)

- Cut lengthwise along a line at approximately a 20° angle from the centre line of the hose. The cut should be approximately 2 cm long. Be careful not to nick barbs when cutting the hose.
- Grip hose and give a sharp downward tug to disengage from fitting.
- Before re-using the nipple, please check it for any damage.



Multipurpose

801Plus



Push-Lok Plus
For a variety of applications

830M



Push-Lok
For a variety of applications including automotive

837BM



Push-Lok
For a variety of applications including automotive

837PU-Plus



Hybrid Push-Lok
For a variety of high demanding applications

Phosphate Ester

804



Push-Lok
For high temperature water and phosphate ester fluid

Fire retardant

821FR



Push-Lok
With fire retardant hose cover

High temperature

836



Push-Lok
For high oil temperatures

846



Push-Lok
For high oil temperatures

NEW!

Non-conductive

838M



Push-Lok
For non-conductive applications

Hose Pressure Ratings

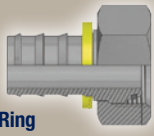

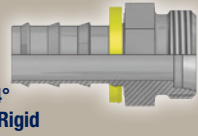
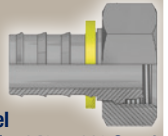
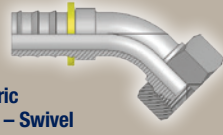
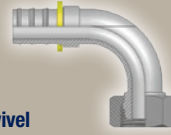
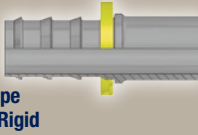
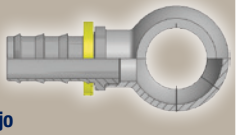
	Hose	Fitting serie	Working Pressure (MPa) at size / DN																Temp.	Construction				
			-3 5	-4 6	-5 8	-6 10	-8 12	-10 16	-12 19	-16 25	-20 31	-24 38	-32 51	-40 63	-48 76	-56 90	-64 100	-80 125			-96 150			
Multipurpose	801Plus	82		2.4		2.4	2.1	2.1	2.1	1.4											-40/+100	1 braid, fibre		
	830M	82		1.6		1.6	1.6	1.6	1.6													-40/+80	1 braid, fibre	
	837BM	82		1.6		1.6	1.6	1.6	1.6	1.4												-40/+100	1 braid, fibre	
	837PU	82		1.6		1.6	1.6	1.6	1.6	1.6												-40/+100	1 braid, fibre	
Phosphate Ester	804	82		1.7		1.7	1.7	1.7														-40/+80	1 braid, fibre	
Fire retardant	821FR	82		2.4		2.0	2.0		1.7														-40/+100	1 braid, fibre
	836	82		1.7		1.7	1.7	1.7	1.7														-48/+150	1 braid, fibre
High temperature	846	82		1.6		1.6	1.6	1.6	1.6														-48/+150	1 braid, fibre
	838M	82		1.6		1.6	1.6	1.6	1.6														-40/+80	1 braid, fibre

You can find details on these products in our catalogue C4400/UK.

Information about standard products or non-standard products can be found in the current price list.
Technical changes reserved.

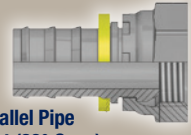

DIN – Metric

Page B1b-1 – B1b-4

<p>CA B1b-1 Female Metric 24° Light Series with O-Ring Swivel – Straight ISO 12151-2-SWS-L – DKOL</p> 	<p>CF B1b-1 Female Metric 24° Light Series with O-Ring Swivel – 90° Elbow ISO 12151-2-SWE-L – DKOL 90°</p> 	<p>D0 B1b-2 Male Metric 24° Light Series – Rigid Straight ISO 12151-2-S-L – CEL</p> 	<p>C3 B1b-2 Female Metric Light Series – Swivel Straight (Ball Nose for 24° or 60° Cone) DKL</p> 
<p>C4 B1b-3 Female Metric Light Series – Swivel 45° Elbow (Ball Nose for 24° or 60° Cone) DKL 45°</p> 	<p>C5 B1b-3 Female Metric Light Series – Swivel 90° Elbow (Ball Nose for 24° or 60° Cone) DKL 90°</p> 	<p>1D B1b-4 Metric Standpipe Light Series – Rigid Straight ISO 8434-1 – BEL</p> 	<p>49 B1b-4 Metric Banjo Straight DIN 7642</p> 

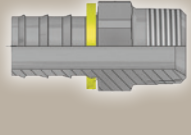
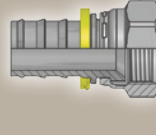

BSP

Page B1b-5 – B1b-6

<p>92 B1b-5 Female BSP Parallel Pipe Swivel – Straight (60° Cone) BS5200-A – DKR</p> 	<p>B2 B1b-5 Female BSP Parallel Pipe Swivel 90° Elbow (60° Cone) BS 5200-B – DKR 90°</p> 	<p>D9 B1b-6 Male BSP Parallel Pipe Rigid – Straight (60° Cone) BS5200 – AGR</p> 	<p>91 B1b-6 Male BSP Taper Pipe – Rigid Straight BS5200 – AGR-K</p> 
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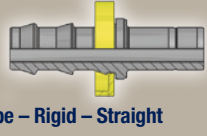
SAE

Page B1b-7 – B1b-8

<p>01 B1b-7 Male NPTF Pipe Rigid – Straight SAE J476A / J516 – AGN</p> 	<p>06/68 B1b-7 Female – JIC 37° SAE 45° Dual Flare Swivel – Straight ISO12151-5-SWS – DKJ</p> 	<p>39/3W B1b-8 Female JIC 37° SAE 45° – Dual Flare Swivel Female 90° Elbow ISO 12151-5-SWES – DKJ 90°</p> 
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Others

Page B1b-9

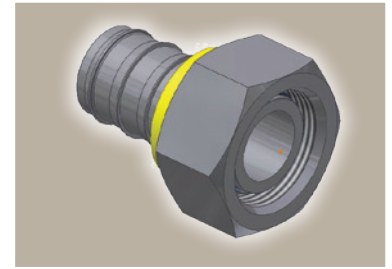
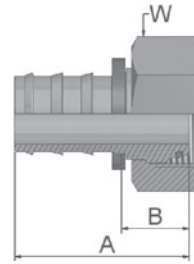
<p>YW B1b-9 Male Standpipe – Rigid – Straight – A-Lok Metric Size Tube O.D. with Vee Notch</p> 	<p>AF B1b-9 Male BSP Parallel Pipe Rigid – Straight (with O-ring Seal)</p> 
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Further end-configurations available on request.

Information about standard products or non-standard products can be found in the current price list.
Technical changes reserved.

CA Female Metric 24° Light Series with O-Ring Swivel – Straight

ISO 12151-2-SWS-L – DKOL



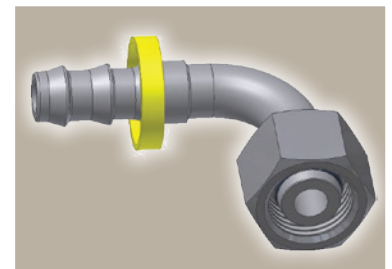
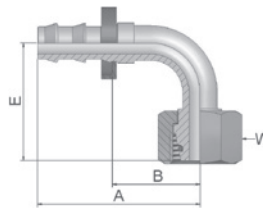
Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
3CA82-6-4C	6	1/4	-4	6.4	M12x1.5	6	40	21	14
3CA82-8-4C	6	1/4	-4	6.4	M14x1.5	8	36	17	17
3CA82-10-4C	6	1/4	-4	6.4	M16x1.5	10	36	16	19
3CA82-15-8C	12	1/2	-8	12.7	M22x1.5	15	46	19	27

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

82 Series

CF Female Metric 24° Light Series with O-Ring Swivel – 90° Elbow

ISO 12151-2-SWE-L – DKOL 90°



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
3CF82-15-8C	12	1/2	-8	12.7	M22x1.5	15	60	33	43	27
3CF82-22-12C	19	3/4	-12	19.1	M30x2	22	88	52	55	36

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

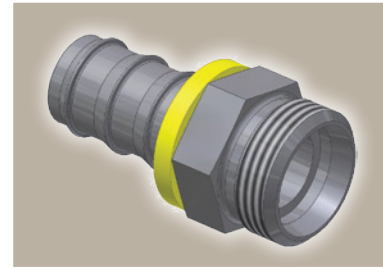
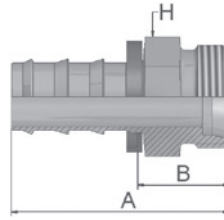
Approved **fitting series** for hose types:

Also available in steel. Details can be found in catalogue C4400/UK.

82 801Plus 804 821FR 830M 831 836 837BM 837PU 838M

D0 Male Metric 24° Light Series – Rigid Straight

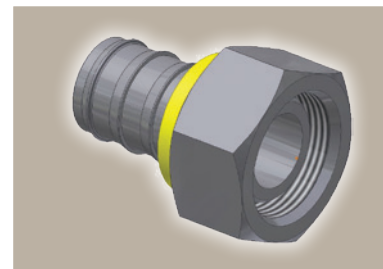
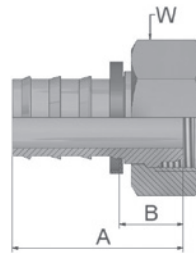
ISO 12151-2-S-L – CEL



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	H mm
	DN	Inch	Size	mm					
3D082-8-4C	6	1/4	-4	6.4	M14x1.5	8	36	17	14
3D082-10-6C	10	3/8	-6	9.5	M16x1.5	10	41	18	17
3D082-12-6C	10	3/8	-6	9.5	M18x1.5	12	41	18	19
3D082-15-8C	12	1/2	-8	12.7	M22x1.5	15	49	22	22
3D082-18-10C	16	5/8	-10	15.9	M26x1.5	18	58	21	27

C3 Female Metric Light Series – Swivel Straight (Ball Nose for 24° or 60° Cone)

DKL



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
3C382-6-4C	6	1/4	-4	6.4	M12x1.5	6	35	16	14
3C382-8-4C	6	1/4	-4	6.4	M14x1.5	8	33	14	17
3C382-10-4C	6	1/4	-4	6.4	M16x1.5	10	36	16	19
3C382-10-6C	10	3/8	-6	9.5	M16x1.5	10	39	16	19
3C382-12-6C	10	3/8	-6	9.5	M18x1.5	12	38	15	22
3C382-15-8C	12	1/2	-8	12.7	M22x1.5	15	44	17	27
3C382-18-10C	16	5/8	-10	15.9	M26x1.5	18	54	17	32
3C382-22-12C	19	3/4	-12	19.1	M30x2	22	57	20	36
3C382-28-16C	25	1	-16	25.4	M36x2	28	58	22	41

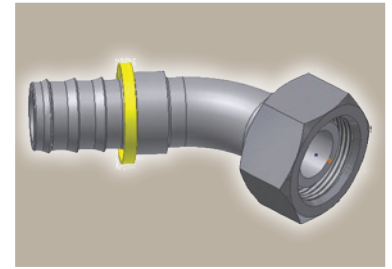
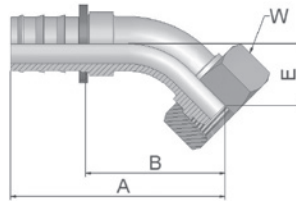
Approved **fitting series** for hose types:

Also available in steel. Details can be found in catalogue C4400/UK.

82 801Plus 804 821FR 830M 831 836 837BM 837PU 838M

C4 Female Metric Light Series – Swivel 45° Elbow (Ball Nose for 24° or 60° Cone)

DKL 45°

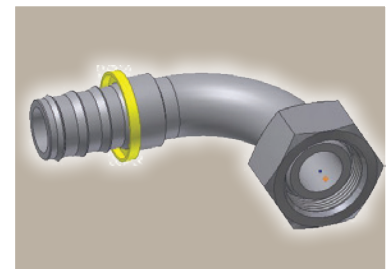
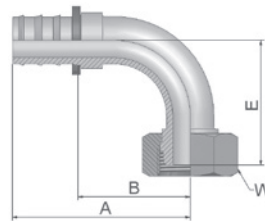


Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
3C482-8-4C	6	1/4	-4	6.4	M14x1.5	8	49	30	14	17
3C482-10-6C	10	3/8	-6	9.5	M16x1.5	10	59	36	19	19
3C482-12-6C	10	3/8	-6	9.5	M18x1.5	12	58	35	18	22
3C482-15-8C	12	1/2	-8	12.7	M22x1.5	15	69	42	20	27

82 Series

C5 Female Metric Light Series – Swivel 90° Elbow (Ball Nose for 24° or 60° Cone)

DKL 90°



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
3C582-6-4C	6	1/4	-4	6.4	M12x1.5	6	41	23	29	14
3C582-8-4C	6	1/4	-4	6.4	M14x1.5	8	41	23	29	17
3C582-10-4C	6	1/4	-4	6.4	M16x1.5	10	43	23	31	19
3C582-10-6C	10	3/8	-6	9.5	M16x1.5	10	49	27	35	19
3C582-12-6C	10	3/8	-6	9.5	M18x1.5	12	49	27	34	22
3C582-15-8C	12	1/2	-8	12.7	M22x1.5	15	65	38	39	27
3C582-18-10C	16	5/8	-10	15.9	M26x1.5	18	74	37	43	32
3C582-22-12C	19	3/4	-12	19.1	M30x2	22	88	52	53	36
3C582-28-16C	25	1	-16	25.4	M36x2	28	99	63	70	41

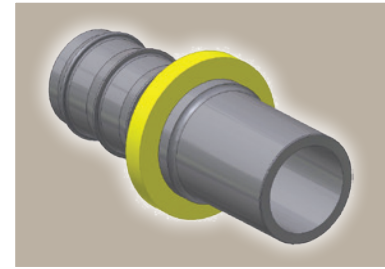
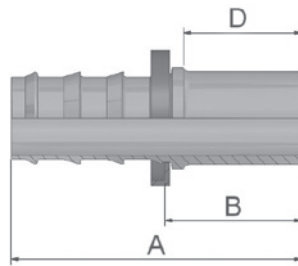
Approved **fitting series** for hose types:

Also available in steel. Details can be found in catalogue C4400/UK.

82 | 801Plus | 804 | 821FR | 830M | 831 | 836 | 837BM | 837PU | 838M

1D Metric Standpipe Light Series – Rigid Straight

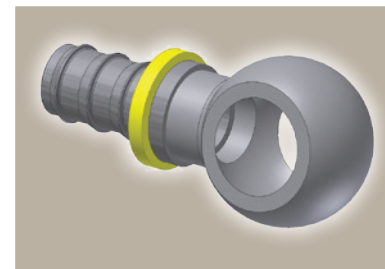
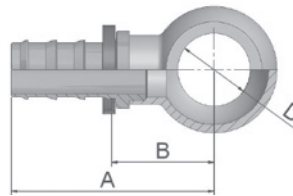
ISO 8434-1 – BEL



Part Number	Hose I.D.				A mm	B mm	D mm
	DN	Inch	Size	mm			
31D82-6-4C	6	1/4	-4	6.4	44	25	22
31D82-8-4C	6	1/4	-4	6.4	44	25	22
31D82-10-6C	10	3/8	-6	9.5	49	26	23
31D82-12-6C	10	3/8	-6	9.5	49	27	23
31D82-12-8C	12	1/2	-8	12.7	54	27	23
31D82-15-8C	12	1/2	-8	12.7	55	29	25
31D82-18-10C	16	5/8	-10	15.9	67	30	26
31D82-22-12C	19	3/4	-12	19.1	69	32	28

49 Metric Banjo Straight

DIN 7642



Part Number	Hose I.D.				A mm	B mm	D mm
	DN	Inch	Size	mm			
34982-10-4C	6	1/4	-4	6.4	39	20	10
34982-14-4C	6	1/4	-4	6.4	42	23	14
34982-14-6C	10	3/8	-6	9.5	47	24	14
34982-16-6C	10	3/8	-6	9.5	49	26	16

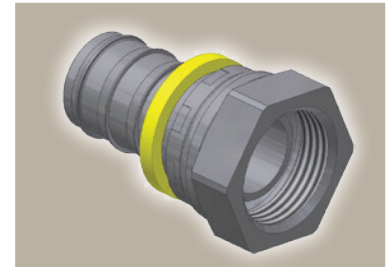
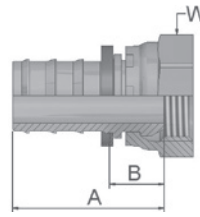
Approved **fitting series** for hose types:

Also available in steel. Details can be found in catalogue C4400/UK.

82 801Plus 804 821FR 830M 831 836 837BM 837PU 838M

92 Female BSP Parallel Pipe Swivel – Straight (60° Cone)

BS5200-A – DKR

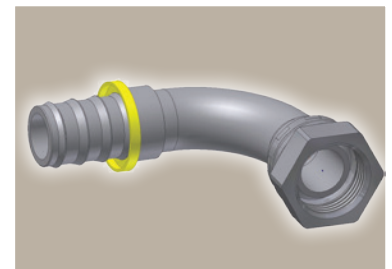
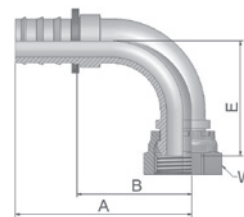


Part Number	Hose I.D.				Thread BSP	A mm	B mm	W mm
	DN	Inch	Size	mm				
39282-4-4C	6	1/4	-4	6.4	1/4x19	33	14	19
39282-6-6C	10	3/8	-6	9.5	3/8x19	40	17	22
39282-8-8C	12	1/2	-8	12.7	1/2x14	43	16	27
39282-12-12C	19	3/4	-12	19.1	3/4x14	56	19	32

82 Series

B2 Female BSP Parallel Pipe Swivel 90° Elbow (60° Cone)

BS 5200-B – DKR 90°



Part Number	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
3B282-4-4C	6	1/4	-4	6.4	1/4x19	42	23	28	19
3B282-6-6C	10	3/8	-6	9.5	3/8x19	49	27	33	22
3B282-8-8C	12	1/2	-8	12.7	1/2x14	60	34	40	27
3B282-12-12C	19	3/4	-12	19.1	3/4x14	83	46	53	32

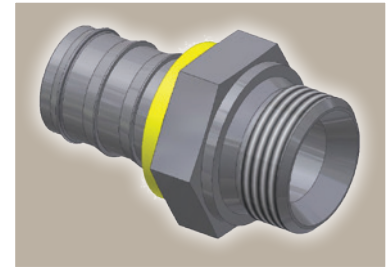
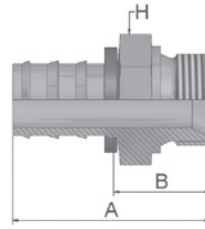
Approved **fitting series** for hose types:

Also available in steel. Details can be found in catalogue C4400/UK.

82 801Plus 804 821FR 830M 831 836 837BM 837PU 838M

D9 Male BSP Parallel Pipe Rigid – Straight (60° Cone)

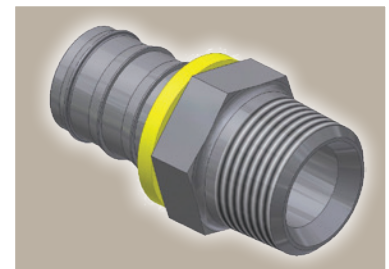
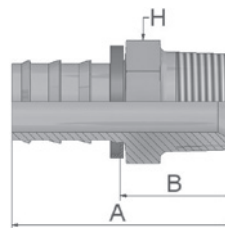
BS5200 – AGR



Part Number	Hose I.D.				Thread BSP	A mm	B mm	H mm
	DN	Inch	Size	mm				
3D982-2-4C	6	1/4	-4	6.4	1/8x28	36	17	14
3D982-4-4C	6	1/4	-4	6.4	1/4x19	41	23	19
3D982-4-6C	10	3/8	-6	9.5	1/4x19	44	21	19
3D982-6-6C	10	3/8	-6	9.5	3/8x19	45	23	22
3D982-8-8C	12	1/2	-8	12.7	1/2x14	53	27	27
3D982-8-10C	16	5/8	-10	15.9	1/2x14	62	25	27
3D982-12-12C	19	3/4	-12	19.1	3/4x14	65	28	32

91 Male BSP Taper Pipe – Rigid Straight

BS5200 – AGR-K



Part Number	Hose I.D.				Thread BSP	A mm	B mm	H mm
	DN	Inch	Size	mm				
39182-4-4C	6	1/4	-4	6.4	1/4x19	40	21	14
39182-4-6C	10	3/8	-6	9.5	1/4x19	44	21	14
39182-6-6C	10	3/8	-6	9.5	3/8x19	45	22	19
39182-8-8C	12	1/2	-8	12.7	1/2x14	55	28	22
39182-12-12C	19	3/4	-12	19.1	3/4x14	69	32	30

Approved **fitting series** for hose types:

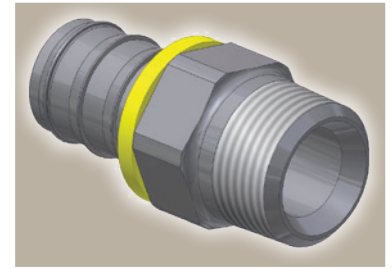
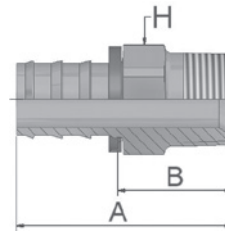
Also available in steel. Details can be found in catalogue C4400/UK.

82 801Plus 804 821FR 830M 831 836 837BM 837PU 838M

01

Male NPTF Pipe Rigid – Straight

SAE J476A/ J516 – AGN



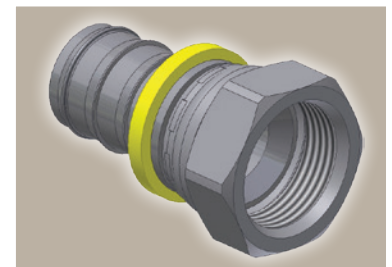
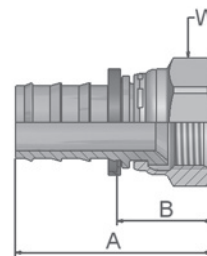
Part Number	Hose I.D.				Thread NPTF	A mm	B mm	H	
	DN	Inch	Size	mm				mm	Inch
30182-4-4C	6	1/4	-4	6.4	1/4x18	40	21	9/16	
30182-8-4C-SM	6	1/4	-4	6.4	1/2x14	48	29	22	
30182-6-6C-SM	10	3/8	-6	9.5	3/8x18	45	23	19	
30182-8-8C	12	1/2	-8	12.7	1/2x14	55	29	7/8	
30182-12-12C-SM	19	3/4	-12	19.1	3/4x14	66	30	27	
30182-16-16C-SM	25	1	-16	25.4	1x11 1/2	78	41	36	

82 Series

06/68

Female – JIC 37° SAE 45° Dual Flare Swivel – Straight

ISO12151-5-SWS – DKJ



Part Number	Hose I.D.				Thread UNF	A mm	B mm	H	
	DN	Inch	Size	mm				mm	mm
30682-4-4C-SM	6	1/4	-4	6.4	7/16x20	40	21	14	
30682-6-6C-SM	10	3/8	-6	9.5	9/16x18	45	22	19	
36882-8-6C-SM	10	3/8	-6	9.5	3/4x16	47	24	22	
36882-8-8C-SM	12	1/2	-8	12.7	3/4x16	51	25	22	
36882-10-10C-SM	16	5/8	-10	15.9	7/8x14	64	28	27	
30682-12-12C-SM	19	3/4	-12	19.1	1 1/16x12	67	30	32	
30682-16-16C-SM	25	1	-16	25.4	1 5/16x12	70	33	41	

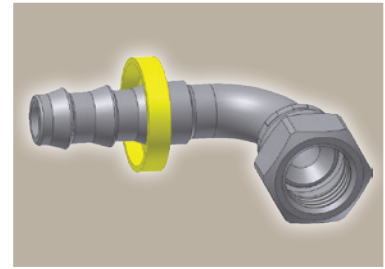
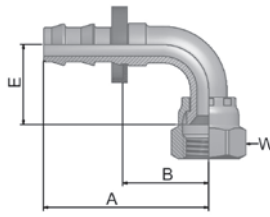
SM: metric hexagon




Approved **fitting series** for hose types:

Also available in steel. Details can be found in catalogue C4400/UK.

82 | 801Plus | 804 | 821FR | 830M | 831 | 836 | 837BM | 837PU | 838M

**39/3W Female JIC 37°
SAE 45° – Dual Flare
Swivel Female 90° Elbow**
ISO 12151-5-SWES – DKJ 90°



Part Number	 Hose I.D.				 Thread	A	B	E	 W	
	DN	Inch	Size	mm					UNF	mm
33W82-4-4C-SM	6	1/4	-4	6.4	7/16x20	39	20	21		17
33982-6-6C-SM	10	3/8	-6	9.5	9/16x18	47	25	23		19
33W82-8-8C-SM	12	1/2	-8	12.7	3/4x16	55	29	28		22

Approved **fitting series** for hose types:

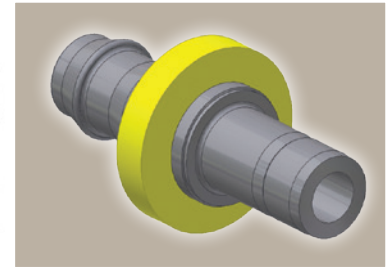
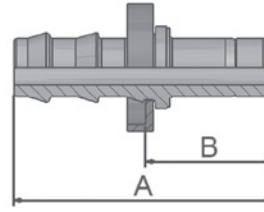
Also available in steel. Details can be found in catalogue C4400/UK.

SM: metric hexagon

82 801Plus 804 821FR 830M 831 836 837BM 837PU 838M

YW Male Standpipe – Rigid – Straight – A-Lok

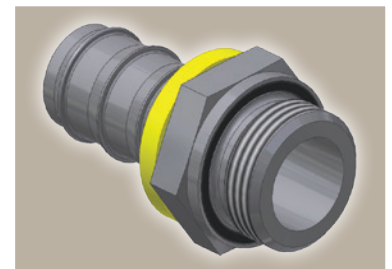
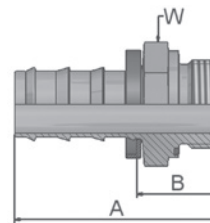
Metric Size Tube O.D. with Vee Notch



Part Number	Hose I.D.				A mm	B mm
	DN	Inch	Size	mm		
3YW82-6-4C-ROUND	6	1/4	-4	6.4	39	20
3YW82-8-4C-ROUND	6	1/4	-4	6.4	40	21
3YW82-10-6C-ROUND	10	3/8	-6	9.5	44	22
3YW82-12-8C-ROUND	12	1/2	-8	12.7	54	27
3YW82-18-10C-ROUND	16	5/8	-10	15.9	65	29

82 Series

AF Male BSP Parallel Pipe Rigid – Straight (with O-ring Seal)

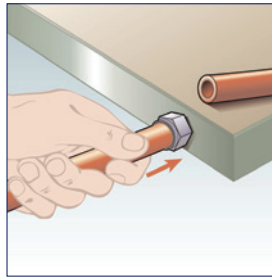
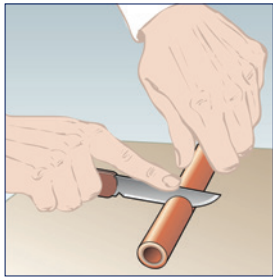


Part Number	Hose I.D.				Thread BSP	A mm	B mm	W mm
	DN	Inch	Size	mm				
3AF82-4-4C	6	1/4	-4	6.4	1/4x19	39	20	19
3AF82-6-8C	12	1/2	-8	12.7	3/8x19	49	23	22
3AF82-8-8C	12	1/2	-8	12.7	1/2x14	53	26	27

Approved **fitting series** for hose types:

Also available in steel. Details can be found in catalogue C4400/UK.

82 801Plus 804 821FR 830M 831 836 837BM 837PU 838M

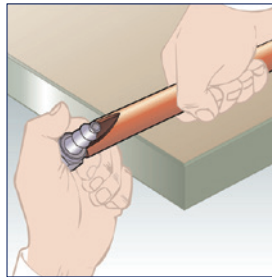
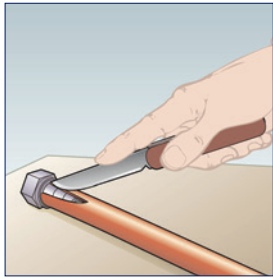


Assembly Instructions

1. Cut the hose right angled with a sharp knife. If necessary it is possible to use a lubricant (water/soap solution with 5 % soap fluid and 95 % water) for easy assembly.
2. Insert fitting into hose until first barb is in hose. Place end of fitting against a flat object (bench, door, wall) and grip hose approximately 1" from end and push with a steady force until end of hose is covered by yellow plastic collar. Alternatively please use the Parker Assembly Tool No. 611050G or 611050HV.

Attention!

During assembly, please keep in mind that Push-Lok fittings will provide an effective grip only when the Push-Lok hose is pushed fully on the insert, where the cropped end of the hose should be fully concealed by the plastic collar. **For easy assembly of hose 830M, 837BM and 837PU please use only Push-Lok Assembly Oil No. H896137.** Push-Lok Assembly Oil is free from wetting disturbing substances. Don't use oil, lubricant or soap fluids for this hose!



Disassembly Instructions

1. Cut lengthwise along a line at approximately a 20 angle from centre line of hose. The cut should be approximately 1" long. Be careful not to nick barbs when cutting the hose.
2. Grip hose and give a sharp down-ward tug to disengage from fitting.

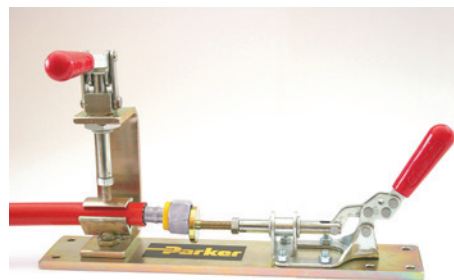
Attention!

Before re-use of the nipple please check nipple for damage. Damaged nipples can cause leakage.

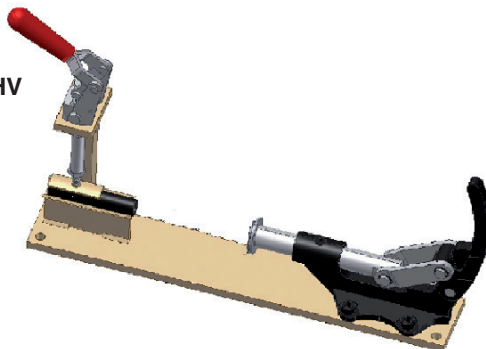
Assembly Tool

Tool designed for assembly of Push-Lok fittings and hose in all sizes. Toggle actions greatly reduce effort necessary to hold hose and press in fitting. Only a few pounds of force is needed on either handle to quickly assemble any size.

Light version
Part Number: 611050G



Heavy version
Part Number: 611050HV



Push-Lok Assembly Oil
1-litre bottle
Part Number: H896137



Low-Pressure Hose 681DB

– the right solution for special applications and requirements

- Our hose 681DB is especially designed and approved for the railway market.
- Due to its tight bending radius and the fire resistant cover, hose type 681DB is the preferred solution for various low pressure hydraulic applications.
- Together with our range of stainless steel *No-Skive* fittings this combination fulfills even the most challenging customer demands.



Fitting Series 64

assembled with adjustable crimpers

The 681DB hose can be assembled with 1 pcs. stainless steel fittings on adjustable hose crimpers. Thanks to the *No-Skive* principle, the protective cover does not need to be removed before crimping and this ensures

user-friendly, clean and fast assembly.

Parker offers a comprehensive range of fitting end-configurations together with hose crimpers and assembly instructions.

This combination guarantees safe processing and a long service life of your hose assemblies.



TH8E-530



TH8E-380-CM



TH8-800-CM

Railway



- Two layers of fabric braid
- *No-Skive* hose construction
- Small bend radii
- Flame retardant rubber cover
- Railway approved as follows:
European Standard EN45545 +
ISO15540: HL2
(hose need FS-F-Fire Sleeve)
FS-F in catalogue C4400 in section Eb

Hose Pressure Ratings

	Hose	Fitting serie	Working Pressure (MPa) at size / <i>DN</i>								Temp.	Construction	Standard
			-3	-4	-5	-6	-8	-10	-12	-16			
Railway	681DB	64	5	6	8	10	12	16	19	25	-40/+100	2 braids, fibre	EN 854-2TE

You can find details on these products in our catalogue C4400/UK.

Information about standard products or non-standard products can be found in the current price list.
Technical changes reserved.

DIN – Metric

Page B2b-1 – B2b-2

<p>CA</p> <p>B2b-1</p> <p>Female Metric 24° Light Series with O-Ring Swivel – Straight</p> <p>ISO 12151-2-SWS-L – DKOL</p> 	<p>CE</p> <p>B2b-1</p> <p>Female Metric 24° Light Series with O-Ring Swivel – 45° Elbow</p> <p>ISO 12151-2-SWE-L – DKOL 45°</p> 	<p>CF</p> <p>B2b-2</p> <p>Female Metric 24° Light Series with O-Ring Swivel – 90° Elbow</p> <p>ISO 12151-2-SWE-L – DKOL 90°</p> 	<p>D0</p> <p>B2b-2</p> <p>Male Metric 24° Light Series – Rigid Straight</p> <p>ISO 12151-2-S-L – CEL</p> 
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Page B2b-3 – B2b-4

<p>EA</p> <p>B2b-3</p> <p>BSP Swivel Female with O-Ring (60° Cone)</p> <p>BS 5200 – ISO 12151-6 – DKOR</p> 	<p>EB</p> <p>B2b-3</p> <p>BSP Swivel Female with O-Ring 45° Elbow (60° Cone)</p> <p>BS 5200 – ISO 12151-6 – DKOR 45°</p> 	<p>EC</p> <p>B2b-4</p> <p>BSP Swivel Female with O-Ring 90° Elbow (60° Cone)</p> <p>BS 5200 – ISO 12151-6 – DKOR 90°</p> 	<p>D9</p> <p>B2b-4</p> <p>Male BSP Parallel Pipe Rigid – Straight (60° Cone)</p> <p>BS5200 – AGR</p> 
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Hose Fittings Pressure Ratings

Fitting end connection	Description	Metric tube (mm) • Light series – L									
		Maximum working pressure (MPa) – design factor 4:1									
		6	8	10	12	15	18	22	28	35	42
CA, CE, CF	ISO 12151-2 swivel female with O-ring	31.5	42.5	40.0	35.0	31.5	31.5	28.0	21.0	16.0	16.0
D0	ISO 12151-2 male stud	25.0	42.5	40.0	35.0	31.0	28.0	28.0	21.0	16.0	16.0

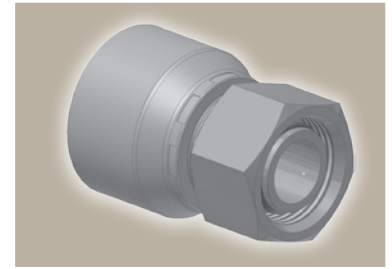
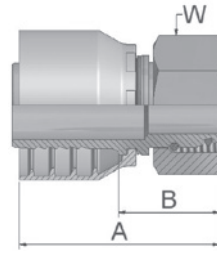
Fitting end connection	Description	Inch fittings (size)									
		Maximum working pressure (MPa) – design factor 4:1									
		-4	-5	-6	-8	-10	-12	-16	-20	-24	-32
EA, EB, EC	BSP swivel female with O-ring	40.0		40.0	35.0	35.0	31.5	25.0	20.0	16.0	12.5
D9	BSP male	63.0		55.0	43.0		35.0	28.0	25.0	21.0	21.0

Further end-configurations available on request.

Information about standard products or non-standard products can be found in the current price list.
Technical changes reserved.

CA Female Metric 24° Light Series with O-Ring Swivel – Straight

ISO 12151-2-SWS-L – DKOL

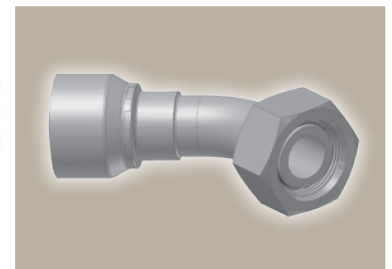
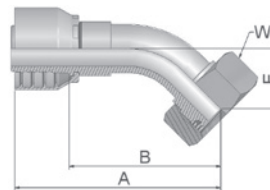


Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
1CA64-8-4C	6	1/4	-4	6.4	M14x1.5	8	44	22	17
1CA64-10-5C	8	5/16	-5	7.9	M16x1.5	10	46	22	19
1CA64-12-6C	10	3/8	-6	9.5	M18x1.5	12	45	22	22
1CA64-15-8C	12	1/2	-8	12.7	M22x1.5	15	50	26	27
1CA64-18-10C	16	5/8	-10	15.9	M26x1.5	18	50	25	32
1CA64-22-12C	19	3/4	-12	19.1	M30x2	22	56	30	36
1CA64-28-16C	25	1	-16	25.4	M36x2	28	62	33	41

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

CE Female Metric 24° Light Series with O-Ring Swivel – 45° Elbow

ISO 12151-2-SWE -L – DKOL 45°



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
1CE64-8-4C	6	1/4	-4	6.4	M14x1.5	8	57	35	16	17
1CE64-10-5C	8	5/16	-5	7.9	M16x1.5	10	68	43	15	19
1CE64-12-6C	10	3/8	-6	9.5	M18x1.5	12	68	45	19	22
1CE64-15-8C	12	1/2	-8	12.7	M22x1.5	15	71	47	22	27
1CE64-18-10C	16	5/8	-10	15.9	M26x1.5	18	75	50	23	32
1CE64-22-12C	19	3/4	-12	19.1	M30x2	22	88	63	26	36
1CE64-28-16C	25	1	-16	25.4	M36x 2	28	113	83	33	41

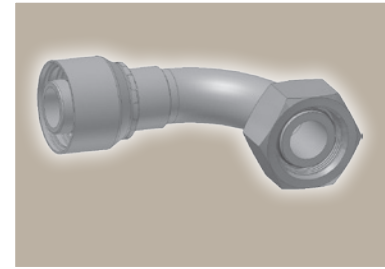
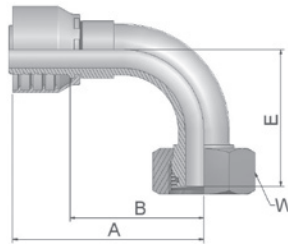
Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

Approved **fitting series** for hose types:

64 681DB

CF **Female Metric 24°
Light Series with O-Ring
Swivel – 90° Elbow**

ISO 12151-2-SWE-L – DKOL 90°

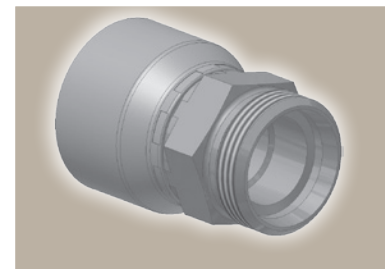
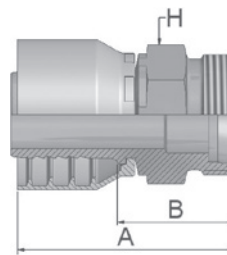


Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
1CF64-8-4C	6	1/4	-4	6.4	M14x1.5	8	50	27	29	17
1CF64-10-5C	8	5/16	-5	7.9	M16x1.5	10	61	37	29	19
1CF64-12-6C	10	3/8	-6	9.5	M18x1.5	12	58	35	36	22
1CF64-15-8C	12	1/2	-8	12.7	M22x1.5	15	61	37	43	27
1CF64-18-10C	16	5/8	-10	15.9	M26x1.5	18	66	41	45	32
1CF64-22-12C	19	3/4	-12	19.1	M30x2	22	80	55	55	36
1CF64-28-16C	25	1	-16	25.4	M36x2	28	102	72	71	41

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

DO **Male Metric 24°
Light Series – Rigid
Straight**

ISO 12151-2-S-L – CEL

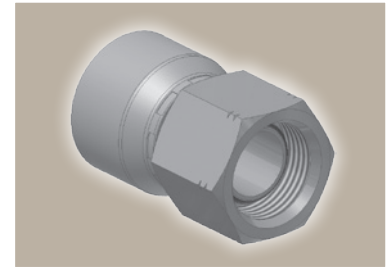
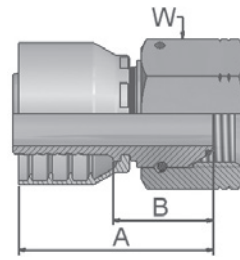


Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	H mm
	DN	Inch	Size	mm					
1D064-8-4C	6	1/4	-4	6.4	M14x1.5	8	44	22	14
1D064-10-5C	8	5/16	-5	7.9	M16x1.5	10	48	24	17
1D064-12-6C	10	3/8	-6	9.5	M18x1.5	12	47	24	19
1D064-15-8C	12	1/2	-8	12.7	M22x1.5	15	50	26	22
1D064-18-10C	16	5/8	-10	15.9	M26x1.5	18	54	29	27
1D064-22-12C	19	3/4	-12	19.1	M30x2	22	59	33	30
1D064-28-16C	25	1	-16	25.4	M36x2	28	65	35	36

Approved **fitting series** for hose types:

64 681DB

EA **BSP Swivel Female
with O-Ring (60° Cone)**
BS 5200 – ISO 12151-6 – DKOR

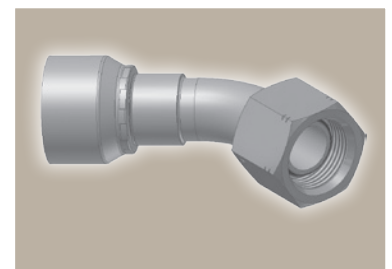
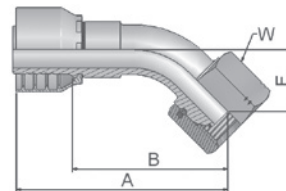


Part Number	Hose I.D.				Thread BSP	A mm	B mm	W mm
	DN	Inch	Size	mm				
1EA64-4-4C	6	1/4	-4	6.4	1/4x19	39	17	19
1EA64-6-6C	10	3/8	-6	9.5	3/8x19	43	20	22
1EA64-8-8C	12	1/2	-8	12.7	1/2x14	46	22	27
1EA64-10-10C	16	5/8	-10	15.9	5/8x14	47	21	30
1EA64-12-12C	19	3/4	-12	19.1	3/4x14	49	24	32
1EA64-16-16C	25	1	-16	25.4	1x11	61	31	41

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

64 Series

EB **BSP Swivel Female
with O-Ring
45° Elbow (60° Cone)**
BS 5200 – ISO 12151-6 – DKOR 45°



Part Number	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1EB64-4-4C	6	1/4	-4	6.4	1/4x19	57	34	14	19
1EB64-6-6C	10	3/8	-6	9.5	3/8x19	69	46	17	22
1EB64-8-8C	12	1/2	-8	12.7	1/2x14	71	48	20	27
1EB64-10-10C	16	5/8	-10	15.9	5/8x14	75	50	22	30
1EB64-12-12C	19	3/4	-12	19.1	3/4x14	89	63	27	32
1EB64-16-16C	25	1	-16	25.4	1x11	112	83	33	41

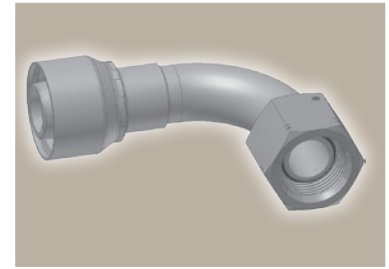
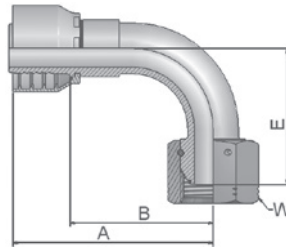
Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

Approved **fitting series** for hose types:



EC **BSP Swivel Female
with O-Ring
90° Elbow (60° Cone)**

BS 5200 – ISO 12151-6 – DKOR 90°

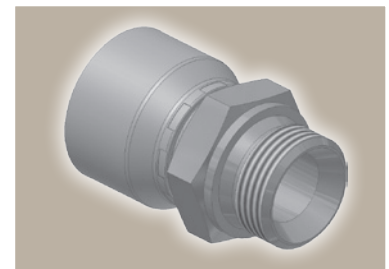
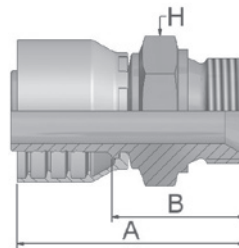


Part Number	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1EC64-4-4C	6	1/4	-4	6.4	1/4x19	48	26	24	19
1EC64-6-6C	10	3/8	-6	9.5	3/8x19	60	38	33	22
1EC64-8-8C	12	1/2	-8	12.7	1/2x14	63	40	40	27
1EC64-10-10C	16	5/8	-10	15.9	5/8x14	70	45	44	30
1EC64-12-12C	19	3/4	-12	19.1	3/4x14	79	54	55	32
1EC64-16-16C	25	1	-16	25.4	1x11	104	75	71	41

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

D9 **Male BSP Parallel Pipe
Rigid – Straight (60° Cone)**

BS5200 – AGR



Part Number	Hose I.D.				Thread BSP	A mm	B mm	H mm
	DN	Inch	Size	mm				
1D964-4-4C	6	1/4	-4	6.4	1/4x19	49	27	19
1D964-6-6C	10	3/8	-6	9.5	3/8x19	54	31	22
1D964-8-8C	12	1/2	-8	12.7	1/2x14	57	34	27
1D964-10-10C	16	5/8	-10	15.9	5/8x14	61	35	30
1D964-12-12C	19	3/4	-12	19.1	3/4x14	62	36	32
1D964-16-16C	25	1	-16	25.4	1x11	72	42	41

Approved **fitting series** for hose types:

64 681DB



Hydraulic Hose Fittings in Stainless Steel

Medium pressure



ENGINEERING YOUR SUCCESS.

Medium Pressure Hoses and Fittings

The perfect range for the more demanding market requirements

This medium pressure hose range contains the Elite No-Skive compact hydraulic hoses exceeding ISO and EN specifications and the classic No-Skive hydraulic hoses according to ISO, EN and SAE specifications. This hose range is complemented by a full selection of compatible No-Skive fittings in steel and stainless steel.

- **Extended range** of working temperatures:
-50 °C up to +150 °C
- Selected hoses feature **nitrile inner tubes** suitable for mineral and bio-degradable oils
- Full range of **fluid compatibility**; oil, water, phosphate ester etc.

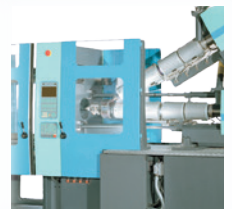


- Using **high quality compounds** allows thin covers – less weight – long service life still assured
- **High flexibility** for easier installation and increased service life
- **Small bend radii** and **light weight** for applications where space and weight are determining factors
- High **abrasion resistance** hose covers superior to ISO 6945 requirements, extending service life
- High **ozone-resistant** cover compounds extending weathering and ageing resistance
- **Parkrimp** machines, portable or bench mount for easy assembly operation – hose assemblies meet CE directives
- Complete **No-Skive fitting technology** across the full range of medium pressure hoses providing simpler, quicker and safer hose assembly



Applications

The definitive hose range for all medium-pressure applications



Parkrimp® *No-Skive*

The system for fast and leak-free assemblies

The perfect match



The complete system from one source. No-Skive hose, No-Skive fitting and crimping machine with world-wide guarantee and availability.

Parker's colour-coded die sets



No loose parts to mismatch or misplace – die set segments linked together. Die sets provide 360° evenly applied crimping forces for an ideal crimp result.

Parkalign®



Parker's exclusive Parkalign® positions the fitting in the dies perfectly every time.



KarryKrimp® 2



Parkrimp®



KarryKrimp® 2
Bench Mount



Parkrimp® *No-Skive*

- No skiving tool needed
- No need to remove the cover
- Crimps one-piece fittings
- Parkalign positions the fittings in the dies perfectly every time
- Quick and easy: no gauges to set on the machine
- Portable machines for field repair
- Meets EN safety regulations

Standard

<p>301SN</p>  <p><i>No-Skive</i> EN 853 2SN – ISO 1436 Type 2</p>	<p>387</p>  <p><i>No-Skive GlobalCore</i> Sizes -4 to -16 exceed ISO 18752-AC Sizes -20 and -32 exceed ISO 18752-BC</p>	<p>421SN</p>  <p><i>No-Skive</i> EN 853 1SN – ISO 1436 Type 1</p>	<p>441</p>  <p><i>Elite No-Skive</i> ISO 11237 Type R16 – SAE 100R16</p>
<p>462</p>  <p><i>Elite No-Skive Compact</i> Exceeds EN 857-2SC – ISO 11237 Type 2SC</p>	<p>487</p>  <p><i>No-Skive GlobalCore</i> Sizes -4 to -12 exceed ISO 18752-AC Sizes -16 and -32 exceed ISO 18752-BC</p>	<p>492</p>  <p><i>Elite No-Skive Compact</i> EN 857 1SC – ISO 11237 Type 1SC</p>	

High abrasion resistance

<p>387TC</p>  <p><i>No-Skive GlobalCore Tough Cover</i> Sizes -4 to -16 exceed ISO 18752-AC Sizes -20 and -32 exceed ISO 18752-CC</p>	<p>462TC</p>  <p><i>Elite No-Skive Compact Tough Cover</i> Exceeds EN 857-2SC – ISO 11237 Type 2SC</p>
<p>487TC</p>  <p><i>No-Skive GlobalCore Tough Cover</i> Sizes -4 to -12 exceed ISO 18752-AC Sizes -16 and -32 exceed ISO 18752-CC</p>	

Extreme abrasion resistance

<p>387ST</p>  <p><i>No-Skive GlobalCore Super Tough</i> Sizes -4 to -16 exceed ISO 18752-AC Sizes -20 and -32 exceed ISO 18752-CC</p>	<p>462ST</p>  <p><i>Elite No-Skive Super Tough Compact</i> EN 857 2SC – ISO 11237 Type 2SC</p>
<p>487ST</p>  <p><i>No-Skive GlobalCore Super Tough</i> Sizes -4 to -12 exceed ISO 18752-AC Sizes -16 and -32 exceed ISO 18752-CC</p>	<p>492ST</p>  <p><i>Elite No-Skive Super Tough Compact</i> EN 857 1SC – ISO 11237 Type 1SC</p>

Railway

<p>421RH</p>  <p><i>No-Skive</i> Fire-retardant cover</p>	<p>441RH</p>  <p><i>No-Skive Compact</i> Fire-retardant cover</p>
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Extremely flexible

<p>692</p>  <p><i>No-Skive Compact</i> Constant pressure, tight bend radius</p>	<p>692Twin</p>  <p><i>No-Skive Compact</i> Twin constant pressure, tight bend radius</p>
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Low temperature

461LT



Elite No-Skive Compact
EN 857 2SC low temperature

Water cleaning

463



No-Skive Compact
High pressure water cleaning applications

Suction

811



No-Skive Suction and Return Line
SAE 100R4

Hose Pressure Ratings

	Hose	Fitting serie	Working Pressure (MPa) at size / DN													Temp.	Construction	Standard
			-4 6	-5 8	-6 10	-8 12	-10 16	-12 19	-16 25	-20 31	-24 38	-32 51	-40 63	-48 76				
Standard	421SN	47	22.5	21.5	18.0	16.0	13.0	10.5	8.8	6.3	5.0	4.0			-40/+100	1 braid, wire	EN 853-1SN - ISO 1436-1SN/ R1AT - SAE 100R1AT	
	301SN	47	40.0	35.0	33.0	27.5	25.0	21.5	16.5	12.5	9.0	8.0			-40/+100	2 braids, wire	EN 853-2SN - ISO 1436-2SN/ R2AT - SAE 100R2AT	
	387*	43 47/77	21.0		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0			-40/+100	1/2 braids, wire* 4 spiral, wire*	Exceeds ISO 18752	
	441	47	35.0	29.7	28.0	24.5	19.2	15.7	14.0						-40/+125	1/2 braids, wire	ISO 11237-R16 - SAE 100R16	
	487**	43 47/77	28.0		28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0			-40/+100	2 braids, wire** 4 spiral, wire**	Exceeds ISO 18752	
	492	47	28.0	25.0	22.5	19.0	15.0	15.0	11.0	7.5					-40/+100	1 braid, wire	Exceeds EN 857-1SC - ISO 11237-1SC	
	462	47	42.5	40.0	35.0	31.0	28.0	28.0	21.0	17.2					-40/+100	2 braids, wire	Exceeds EN 857-2SC - ISO 11237-2SC	
High abrasion resistance - MSHA approved	387TC*	43 47/77	21.0		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0			-40/+100 -40/+125	1/2 braids, wire* 4 spiral, wire*	Exceeds ISO 18752	
	462TC	47	42.5	40.0	35.0	31.0	28.0	28.0	21.0	17.2	14.6	11.2	7.0	7.0	-40/+100	2 braids, wire	Exceeds EN 857-2SC - ISO 11237-2SC	
	487TC**	43 47/77	28.0		28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0			-40/+100 -40/+125	2 braids, wire** 4 spiral, wire**	Exceeds ISO 18752	
Extreme abrasion resistance	387ST*	43 47/77	21.0		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0			-40/+100 -40/+125	1/2 braids, wire* 4 spiral, wire*	Exceeds ISO 18752	
	462ST	47	42.5	40.0	35.0	31.0	28.0	28.0	21.0	17.2					-40/+100	2 braids, wire	EN 857-2SC - ISO 11237-2SC	
	487ST**	43 47/77	28.0		28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0			-40/+100 -40/+125	2 braids, wire** 4 spiral, wire**	Exceeds ISO 18752	
	492ST	47	28.0	25.0	22.5	19.0	15.0	15.0	11.0	7.5					-40/+100	1 braid, wire	EN 857-1SC - ISO 11237-1SC	
Low temperature	461LT	47	42.5	40.0	35.0	31.0	28.0	28.0	21.0					-50/+100	2 braids, wire	Exceeds EN 857-2SC - ISO 11237-2SC		
Railway	441RH	47	35.0	29.7	28.0	24.5	19.2	15.7	14.0						-40/+125	1/2 braids, wire	ISO 11237-R16 - SAE 100R16	
	421RH	48								6.3	5.0	4.0			-40/+100	1 braid, wire	EN 853-1SN - ISO 1436-1SN/ R1AT - SAE 100R1AT	
Water cleaning	463	47		40.0	40.0	35.0									max. +120	2 braids, wire		
Extremely flexible	692	47	21.0	21.0	21.0	21.0	21.0								-40/+100	1/2 braids, wire	Exceeds SAE 100R17	
	692TWIN	47	21.0	21.0	21.0	21.0	21.0								-40/+100	1/2 braids, wire	Exceeds SAE 100R17	
Suction	811***	43						2.1	1.7	1.4	1.0	0.7	0.4	0.4	-40/+100	1 braid, 1 steelspiral	SAE 100R4	

* size -4 up to -16: 1/2 braids, wire
size -20 up to -32: 4 spiral, wire

** size -4 up to -12: 2 braids, wire
size -16 up to -32: 4 / 6 spiral, wire
size -16: Fitting serie 43

*** size -12 up to -32: Fitting serie 43
size -40 up to -48: Fitting serie IF

You can find details on these products in our catalogue C4400/UK.

Information about standard products or non-standard products can be found in the current price list.
Technical changes reserved.

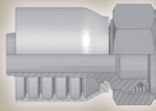
DIN – Metric

Page Cb-1 – Cb-3

CA

Cb-1

Female Metric 24°
Light Series with O-Ring
Swivel – Straight
ISO 12151-2-SWS-L – DKOL



CF

Cb-1

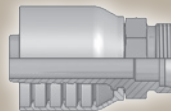
Female Metric 24°
Light Series with O-Ring
Swivel – 90° Elbow
ISO 12151-2-SWE-L – DKOL 90°



D0

Cb-2

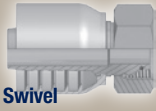
Male Metric 24°
Light Series – Rigid
Straight
ISO 12151-2-S-L – CEL



C9

Cb-2

Female Metric 24° – Swivel
Heavy Series with O-Ring
Straight
ISO 12151-2-SWS-S – DKOS



1C

Cb-3

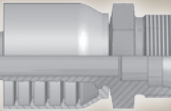
Female Metric 24° – Swivel
Heavy Series with O-Ring
90° Elbow
ISO 12151-2-SWE-S – DKOS 90°



D2

Cb-3

Male Metric 24° – Rigid
Heavy Series – Straight
ISO 12151-2-S-S – CES



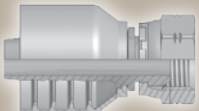
BSP

Page Cb-4

92

Cb-4

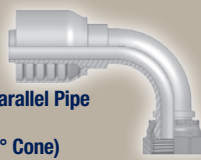
Female BSP Parallel Pipe
Swivel – Straight (60° Cone)
BS5200-A – DKR



B2

Cb-4

Female BSP Parallel Pipe
Swivel
90° Elbow (60° Cone)
BS 5200-B – DKR 90°



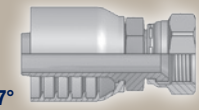
SAE

Page Cb-5

06/68

Cb-5

Female – JIC 37°
SAE 45° Dual Flare
Swivel – Straight
ISO12151-5-SWS – DKJ



39/3W

Cb-5

Female JIC 37°
SAE 45° – Dual Flare
Swivel Female 90° Elbow
ISO 12151-5-SWES – DKJ 90°



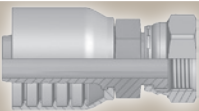
ORFS

Page Cb-6

JC

Cb-6

Female ORFS
Swivel – Straight
Short
ISO 12151-1 – SWSA SAE J516 – ORFS



J9

Cb-6

Female ORFS – Swivel
90° Elbow – Short Drop
ISO 12151-1 – SWES
SAE J516 – ORFS 90°



Further end-configurations available on request.

Information about standard products or non-standard products can be found in the current price list.
Technical changes reserved.

Hose Fittings Pressure Ratings

Fitting end connection	Description	Metric tube (mm) • Light series – L						
		Maximum working pressure (MPa) – design factor 4:1						
		6	8	10	12	15	18	22
CA, CF	ISO 12151-2 swivel female with O-ring	31.5	42.5	40.0	35.0	31.5	31.5	28.0
D0	ISO 12151-2 male stud	25.0	42.5	40.0	35.0	31.0	28.0	28.0

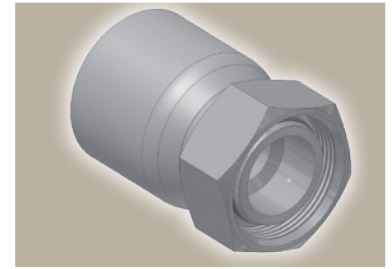
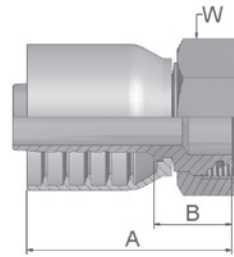
Fitting end connection	Description	Metric tube (mm) • Heavy series – S						
		Maximum working pressure (MPa) – design factor 4:1						
		6	8	10	12	14	16	20
C9, 1C	ISO 12151-2 swivel female with O-ring	63.0	63.0	63.0	63.0	63.0	42.0	42.0
D2	Male stud	63.0	63.0	63.0	63.0	63.0	42.0	42.0

Fitting end connection	Description	Inch fittings (size)						
		Maximum working pressure (MPa) – design factor 4:1						
		-4	-5	-6	-8	-10	-12	-16
92, B2	BSP swivel female	63.0		55.0	43.0	37.5	35.0	28.0
06/68, 39/3W	SAE (JIC) 37° swivel female	41.0	41.0	34.5	34.5	34.5	34.5	27.5
JC, J9	ORFS male / female	41.0		41.0	41.0	41.0	41.0	41.0

CA

Female Metric 24° Light Series with O-Ring Swivel – Straight

ISO 12151-2-SWS-L – DKOL



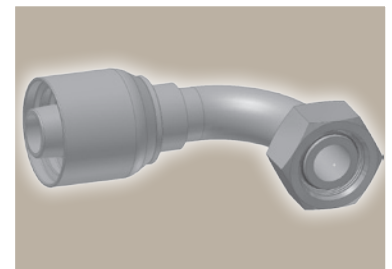
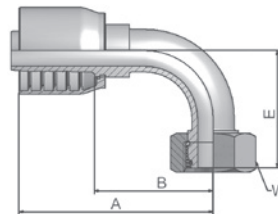
Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
1CA43-6-4C	6	1/4	-4	6.4	M12x1.5	6	45	22	14
1CA43-8-4C	6	1/4	-4	6.4	M14x1.5	8	46	22	17
1CA43-10-4C	6	1/4	-4	6.4	M16x1.5	10	44	22	19
1CA43-10-5C	8	5/16	-5	7.9	M16x1.5	10	46	22	19
1CA43-12-5C	8	5/16	-5	7.9	M18x1.5	12	47	22	22
1CA43-10-6C	10	3/8	-6	9.5	M16x1.5	10	48	21	19
1CA43-12-6C	10	3/8	-6	9.5	M18x1.5	12	49	19	22
1CA43-15-8C	12	1/2	-8	12.7	M22x1.5	15	56	21	27
1CA43-18-10C	16	5/8	-10	15.9	M26x1.5	18	61	22	32
1CA43-22-10C	16	5/8	-10	15.9	M30x2	22	63	24	36
1CA43-18-12C	19	3/4	-12	19.1	M26x1.5	18	65	26	32
1CA43-22-12C	19	3/4	-12	19.1	M30x2	22	63	24	36
1CA43-28-16C	25	1	-16	25.4	M36x2	28	78	33	41

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

CF

Female Metric 24° Light Series with O-Ring Swivel – 90° Elbow

ISO 12151-2-SWE-L – DKOL 90°



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
1CF43-6-4C	6	1/4	-4	6.4	M12x1.5	6	55	33	33	14
1CF43-8-4C	6	1/4	-4	6.4	M14x1.5	8	51	27	29	17
1CF43-10-4C	6	1/4	-4	6.4	M16x1.5	10	50	28	29	19
1CF43-10-5C	8	5/16	-5	7.9	M16x1.5	10	61	37	29	19
1CF43-10-6C	10	3/8	-6	9.5	M16x1.5	10	65	37	35	19
1CF43-12-6C	10	3/8	-6	9.5	M18x1.5	12	64	35	36	22
1CF43-15-8C	12	1/2	-8	12.7	M22x1.5	15	72	37	43	27
1CF43-18-10C	16	5/8	-10	15.9	M26x1.5	18	81	41	45	32
1CF43-22-12C	19	3/4	-12	19.1	M30x2	22	89	49	55	36
1CF43-28-16C	25	1	-16	25.4	M36x2	28	114	68	73	41

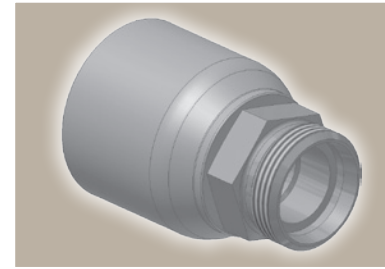
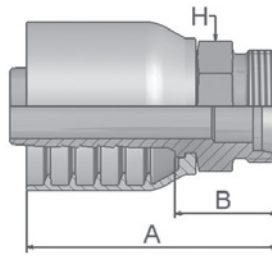
Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

Approved **fitting series** for hose types:

43	301SN	304	387	387TC	387ST	421SN	421WC	424	426	436	441	471TC	472TC	487	487TC
	487ST	692	811	881	722ClF	772	772TC	772ST							

D0 Male Metric 24° Light Series – Rigid Straight

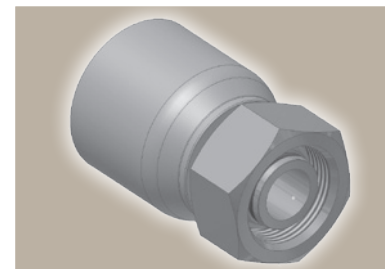
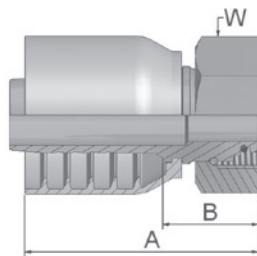
ISO 12151-2-S-L – CEL



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	H mm
	DN	Inch	Size	mm					
1D043-8-4C	6	1/4	-4	6.4	M14x1.5	8	45	22	14
1D043-10-5C	8	5/16	-5	7.9	M16x1.5	10	48	24	17
1D043-12-6C	10	3/8	-6	9.5	M18x1.5	12	52	23	19
1D043-15-8C	12	1/2	-8	12.7	M22x1.5	15	61	26	22
1D043-18-10C	16	5/8	-10	15.9	M26x1.5	18	68	28	27
1D043-22-12C	19	3/4	-12	19.1	M30x2	22	70	31	30
1D043-28-16C	25	1	-16	25.4	M36x2	28	78	33	36

C9 Female Metric 24° – Swivel Heavy Series with O-Ring Straight

ISO 12151-2-SWS-S – DKOS



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
1C943-8-4C	6	1/4	-4	6.4	M16x1.5	8	45	23	19
1C943-10-4C	6	1/4	-4	6.4	M18x1.5	10	45	23	22
1C943-12-5C	8	5/16	-5	7.9	M20x1.5	12	49	25	24
1C943-10-6C	10	3/8	-6	9.5	M18x1.5	10	50	21	22
1C943-12-6C	10	3/8	-6	9.5	M20x1.5	12	52	22	24
1C943-14-6C	10	3/8	-6	9.5	M22x1.5	14	50	21	27
1C943-16-8C	12	1/2	-8	12.7	M24x1.5	16	59	24	30
1C943-16-10C	16	5/8	-10	15.9	M24x1.5	16	66	27	30
1C943-20-10C	16	5/8	-10	15.9	M30x2	20	66	27	36
1C943-20-12C	19	3/4	-12	19.1	M30x2	20	66	27	36
1C943-25-12C	19	3/4	-12	19.1	M36x2	25	68	29	46
1C943-25-16C	25	1	-16	25.4	M36x2	25	78	33	46
1C943-30-16C	25	1	-16	25.4	M42x2	30	80	33	50

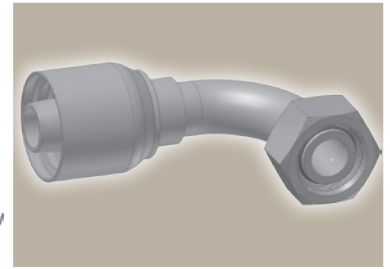
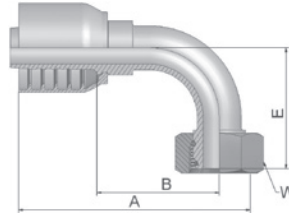
Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

Approved **fitting series** for hose types:

43	301SN	304	387	387TC	387ST	421SN	421WC	424	426	436	441	471TC	472TC	487	487TC
	487ST	692	811	881	722ClF	772	772TC	772ST							

1C Female Metric 24° – Swivel Heavy Series with O-Ring 90° Elbow

ISO 12151-2-SWE-S – DKOS 90°

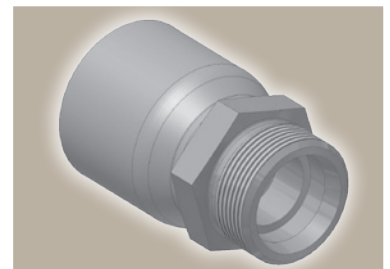
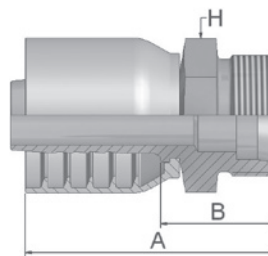


Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
11C43-8-4C	6	1/4	-4	6.4	M16x1.5	8	52	29	30	19
11C43-10-4C	6	1/4	-4	6.4	M18x1.5	10	55	33	30	22
11C43-12-5C	8	5/16	-5	7.9	M20x1.5	12	61	37	33	24
11C43-12-6C	10	3/8	-6	9.5	M20x1.5	12	58	29	39	24
11C43-14-6C	10	3/8	-6	9.5	M22x1.5	14	67	37	37	27
11C43-16-8C	12	1/2	-8	12.7	M24x1.5	16	72	37	45	30
11C43-20-10C	16	5/8	-10	15.9	M30x2	20	77	40	50	36
11C43-25-12C	19	3/4	-12	19.1	M36x2	25	89	49	59	46
11C43-30-16C	25	1	-16	25.4	M42x2	30	115	68	76	50

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C. Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

D2 Male Metric 24° – Rigid Heavy Series – Straight

ISO 12151-2-S-S – CES



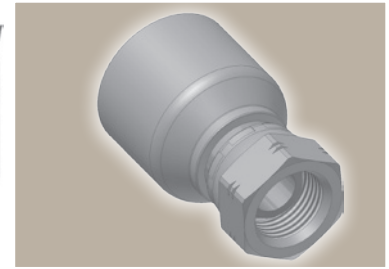
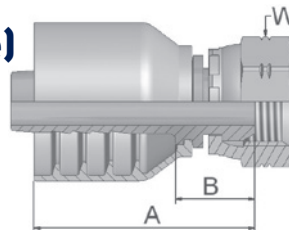
Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	H mm
	DN	Inch	Size	mm					
1D243-10-4C	6	1/4	-4	6.4	M18x1.5	10	50	26	19
1D243-12-5C	8	5/16	-5	7.9	M20x1.5	12	50	26	22
1D243-14-6C	10	3/8	-6	9.5	M22x1.5	14	57	28	22
1D243-16-8C	12	1/2	-8	12.7	M24x1.5	16	62	28	24
1D243-20-10C	16	5/8	-10	15.9	M30x2	20	72	32	30
1D243-25-12C	19	3/4	-12	19.1	M36x2	25	74	35	36
1D243-30-16C	25	1	-16	25.4	M42x2	30	85	40	46

Approved **fitting series** for hose types:

43	301SN	304	387	387TC	387ST	421SN	421WC	424	426	436	441	471TC	472TC	487	487TC
	487ST	692	811	881	722ClF	772	772TC	772ST							

92 Female BSP Parallel Pipe Swivel – Straight (60° Cone)

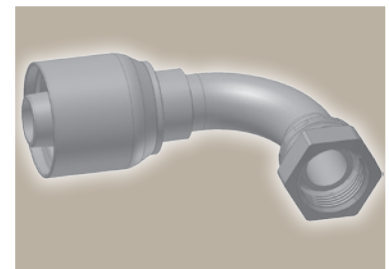
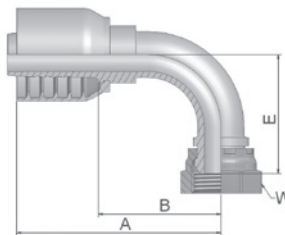
BS5200-A – DKR



Part Number	Hose I.D.				Thread BSP	A mm	B mm	W mm
	DN	Inch	Size	mm				
19243-4-4C	6	1/4	-4	6.4	1/4x19	41	19	19
19243-6-6C	10	3/8	-6	9.5	3/8x19	49	20	22
19243-8-8C	12	1/2	-8	12.7	1/2x14	57	22	27
19243-10-10C	16	5/8	-10	15.9	5/8x14	57	21	30
19243-12-12C	19	3/4	-12	19.1	3/4x14	61	22	32
19243-16-16C	25	1	-16	25.4	1x11	72	25	41

B2 Female BSP Parallel Pipe Swivel 90° Elbow (60° Cone)

BS 5200-B – DKR 90°

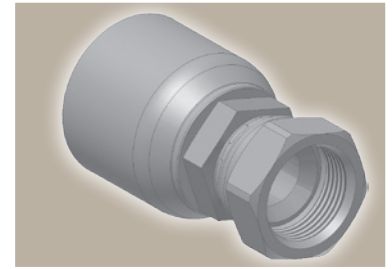
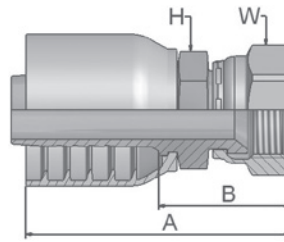


Part Number	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1B243-4-4C	6	1/4	-4	6.4	1/4x19	49	26	28	19
1B243-6-6C	10	3/8	-6	9.5	3/8x19	67	37	33	22
1B243-8-8C	12	1/2	-8	12.7	1/2x14	74	39	40	27
1B243-12-12C	19	3/4	-12	19.1	3/4x14	89	50	53	32
1B243-16-16C	25	1	-16	25.4	1x11	114	69	69	41

Approved **fitting series** for hose types:

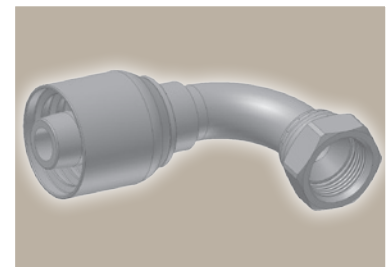
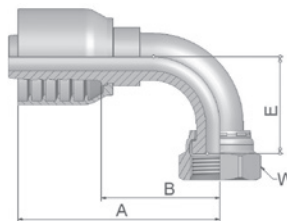
43	301SN	304	387	387TC	387ST	421SN	421WC	424	426	436	441	471TC	472TC	487	487TC
	487ST	692	811	881	722ClF	772	772TC	772ST							

06/68 Female – JIC 37°
SAE 45° Dual Flare
Swivel – Straight
ISO12151-5-SWS – DKJ



Part Number	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
16843-4-4C-SM	6	1/4	-4	6.4	7/16x20	51	29	14	17
10643-6-6C-SM	10	3/8	-6	9.5	9/16x18	58	29	17	19
16843-8-6C-SM	10	3/8	-6	9.5	3/4x16	61	32	17	22
16843-8-8C-SM	12	1/2	-8	12.7	3/4x16	67	32	22	22
16843-10-10C-SM	16	5/8	-10	15.9	7/8x14	73	38	24	27
10643-12-12C-SM	19	3/4	-12	19.1	1 1/16x12	80	41	27	32
10643-16-16C-SM	25	1	-16	25.4	1 5/16x12	94	47	36	41

39/3W Female JIC 37°
SAE 45° – Dual Flare
Swivel Female 90° Elbow
ISO 12151-5-SWES – DKJ 90°



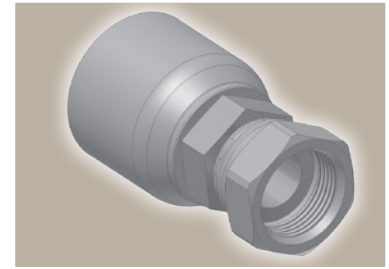
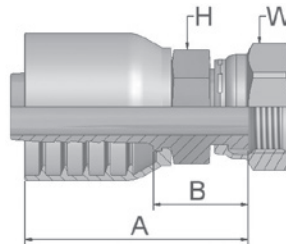
Part Number	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
13W43-4-4C-SM	6	1/4	-4	6.4	7/16x20	46	24	21	17
13943-6-6C-SM	10	3/8	-6	9.5	9/16x18	57	28	23	19
13W43-8-8C-SM	12	1/2	-8	12.7	3/4x16	66	32	29	22
13943-10-10C-SM	16	5/8	-10	15.9	7/8x14	83	42	16	27
13943-12-12C-SM	19	3/4	-12	19.1	1 1/16x12	89	50	48	32
13943-16-16C-SM	25	1	-16	25.4	1 5/16x12	109	64	55	41

Approved **fitting series** for hose types:

43	301SN	304	387	387TC	387ST	421SN	421WC	424	426	436	441	471TC	472TC	487	487TC
	487ST	692	811	881	722ClF	772	772TC	772ST							

JC Female ORFS Swivel – Straight Short

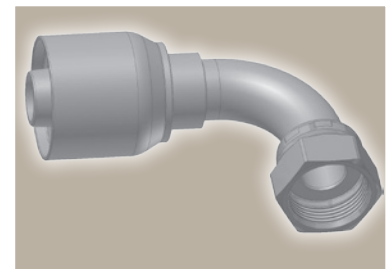
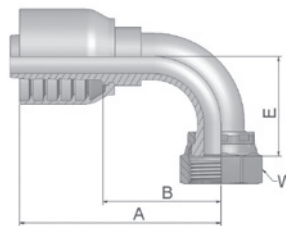
ISO 12151-1 – SWSA
SAE J516 – ORFS



Part Number	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
1JC43-6-6C-SM	10	3/8	-6	9.5	11/16x16	49	20	19	22
1JC43-8-8C-SM	12	1/2	-8	12.7	13/16x16	56	22	22	24
1JC43-10-10C-SM	16	5/8	-10	15.9	1x14	64	24	24	30
1JC43-12-12C-SM	19	3/4	-12	19.1	1 3/16x12	68	29	32	36
1JC43-16-16C-SM	25	1	-16	25.4	1 7/16x12	80	35	36	41
1JC43-20-16C-SM	25	1	-16	25.4	1 11/16x12	79	34	41	50

J9 Female ORFS – Swivel 90° Elbow – Short Drop

ISO 12151-1 – SWES
SAE J516 – ORFS 90°



Part Number	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1J943-8-8C-SM	12	1/2	-8	12.7	13/16x16	70	35	29	24
1J943-10-10C-SM	16	5/8	-10	15.9	1x14	78	39	33	30
1J943-12-12C-SM	19	3/4	-12	19.1	1 3/16x12	89	49	48	36

Approved **fitting series** for hose types:

43	301SN	304	387	387TC	387ST	421SN	421WC	424	426	436	441	471TC	472TC	487	487TC
	487ST	692	811	881	722ClF	772	772TC	772ST							

DIN – Metric

Page Cc-1 – Cc-4

CA
Cc-1
Female Metric 24°
Light Series with O-Ring
Swivel – Straight
ISO 12151-2-SWS-L – DKOL



CE
Cc-1
Female Metric 24°
Light Series with O-Ring
Swivel – 45° Elbow
ISO 12151-2-SWE-L – DKOL 45°



CF
Cc-2
Female Metric 24°
Light Series with O-Ring
Swivel – 90° Elbow
ISO 12151-2-SWE-L – DKOL 90°



DO
Cc-2
Male Metric 24°
Light Series – Rigid
Straight
ISO 12151-2-S-L – CEL



C9
Cc-3
Female Metric 24° – Swivel
Heavy Series with O-Ring
Straight
ISO 12151-2-SWS-S – DKOS



1C
Cc-3
Female Metric 24° – Swivel
Heavy Series with O-Ring
90° Elbow
ISO 12151-2-SWE-S – DKOS 90°



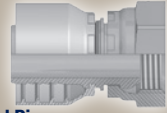
D2
Cc-4
Male Metric 24° – Rigid
Heavy Series – Straight
ISO 12151-2-S-S – CES




BSP

Page Cc-5 – Cc-6

92
Cc-5
Female BSP Parallel Pipe
Swivel – Straight (60° Cone)
BS5200-A – DKR



B1
Cc-5
Female BSP Parallel Pipe
Swivel
45° Elbow (60° Cone)
BS 5200-D – DKR 45°



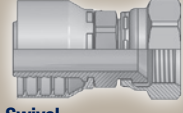
B2
Cc-6
Female BSP Parallel Pipe
Swivel
90° Elbow (60° Cone)
BS 5200-B – DKR 90°




SAE

Page Cc-7

06
Cc-7
Female JIC 37° – Swivel
Straight
ISO12151-5-SWS – DKJ



39
Cc-7
Female JIC 37° – Swivel
90° Elbow
ISO 12151-5-SWES – DKJ 90°



Flange

Page Cc-8

15
Cc-8
ISO 6162-1-Flange
Straight
ISO 12151-3-S-L – SFL
(21.0 MPa/ 3000 psi)



19
Cc-8
ISO 6162-1-Flange
90° Elbow
ISO 12151-3-E-L – SFL 90°
(21.0 MPa/ 3000 psi)



Further end-configurations available on request.

Information about standard products or non-standard products can be found in the current price list.
Technical changes reserved.

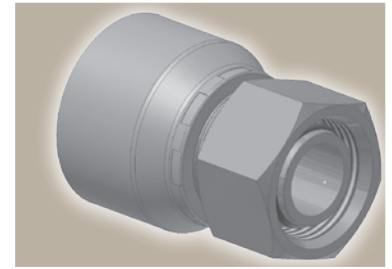
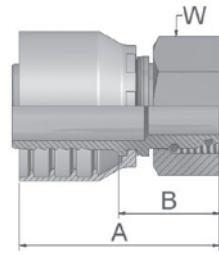
Hose Fittings Pressure Ratings

Fitting end connection	Description	Metric tube (mm) • Light series – L	
		Maximum working pressure (MPa) – design factor 4:1	
		35	42
CA, CE, CF	ISO 12151-2 swivel female with O-ring	16.0	16.0
D0	ISO 12151-2 male stud	16.0	16.0

Fitting end connection	Description	Metric tube (mm) • Heavy series – S	
		Maximum working pressure (MPa) – design factor 4:1	
		30	38
C9, 1C	ISO 12151-2 swivel female with O-ring	42.0	42.0
D2	Male stud	42.0	42.0

Fitting end connection	Description	Inch fittings (size)		
		Maximum working pressure (MPa) – design factor 4:1		
		-20	-24	-32
92, B1, B2	BSP swivel female	25.0	21.0	21.0
06, 39	SAE (JIC) 37° swivel female	20.0	17.0	17.0
15, 19	ISO 6162-1-Flange (21.0 MPa/ 3000 psi)	28.0	28.0	21.0

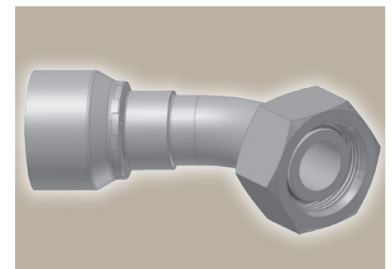
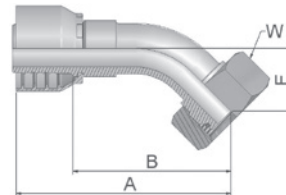
CA **Female Metric 24°
Light Series with O-Ring
Swivel – Straight**
ISO 12151-2-SWS-L – DKOL



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
1CA48-35-20C	31	1 1/4	-20	31.8	M45x2	35	82	35	50
1CA48-42-24C	38	1 1/2	-24	38.1	M52x2	42	77	39	60
1CA48-42-32C	51	2	-32	50.8	M52x2	42	89	41	60

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

CE **Female Metric 24°
Light Series with O-Ring
Swivel – 45° Elbow**
ISO 12151-2-SWE -L – DKOL 45°



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
1CE48-42-24C	38	1 1/2	-24	38.1	M52x2	42	155	117	49	60

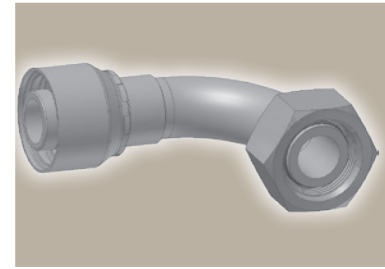
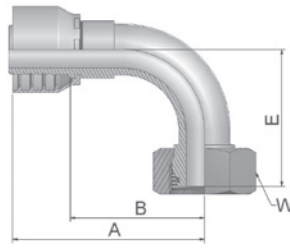
Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

Approved **fitting series** for hose types:

48 301SN 421RH starting with size -5 421SN starting with size -5 462 only size -4, -6, -8, -12 462ST 462TC 881

CF **Female Metric 24°
Light Series with O-Ring
Swivel – 90° Elbow**

ISO 12151-2-SWE-L – DKOL 90°

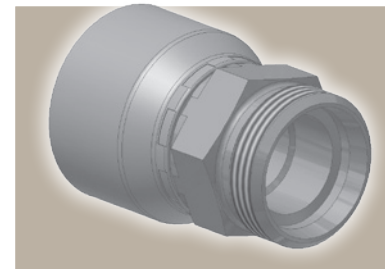
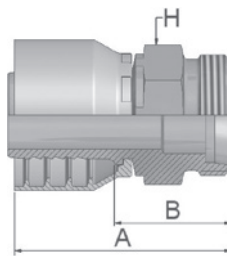


Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
1CF48-35-20C	31	1 1/4	-20	31.8	M45x2	35	130	83	79	50
1CF48-42-24C	38	1 1/2	-24	38.1	M52x2	42	139	101	101	60
1CF48-42-32C	51	2	-32	50.8	M52x2	42	149	101	101	60

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

DO **Male Metric 24°
Light Series – Rigid
Straight**

ISO 12151-2-S-L – CEL



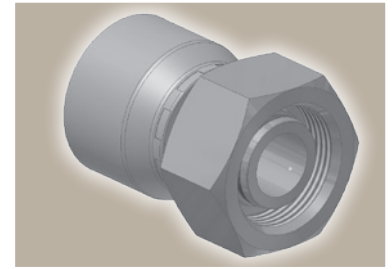
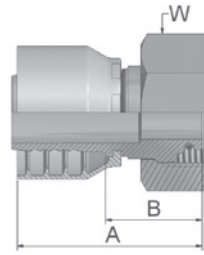
Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	H mm
	DN	Inch	Size	mm					
1D048-35-20C	31	1 1/4	-20	31.8	M45x2	35	85	38	46
1D048-42-24C	38	1 1/2	-24	38.1	M52x2	42	77	39	55

Approved **fitting series** for hose types:

48 301SN | 421RH starting with size -5 | 421SN starting with size -5 | 462 only size -4, -6, -8, -12 | 462ST | 462TC | 881

C9 Female Metric 24° – Swivel Heavy Series with O-Ring Straight

ISO 12151-2-SWS-S – DKOS

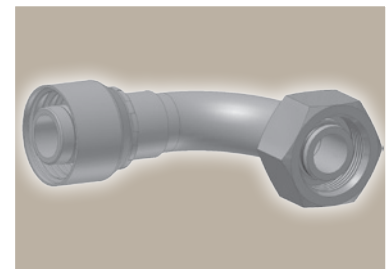
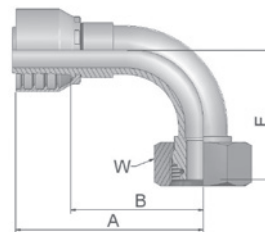


Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
1C948-38-20C	31	1 1/4	-20	31.8	M52x2	38	80	33	60
1C948-38-24C	38	1 1/2	-24	38.1	M52x2	38	78	40	60

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

1C Female Metric 24° – Swivel Heavy Series with O-Ring 90° Elbow

ISO 12151-2-SWE-S – DKOS 90°



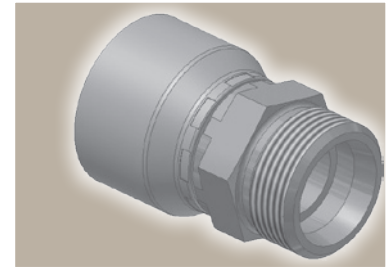
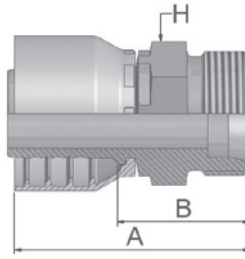
Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
11C48-38-20C	31	1 1/4	-20	31.8	M52x2	38	130	83	78	60
11C48-38-24C	38	1 1/2	-24	38.1	M52x2	38	139	101	101	60




Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

Approved **fitting series** for hose types:

48 301SN 421RH starting with size -5 421SN starting with size -5 462 only size -4, -6, -8, -12 462ST 462TC 881

D2 **Male Metric 24° – Rigid
Heavy Series – Straight**
ISO 12151-2-S-S – CES



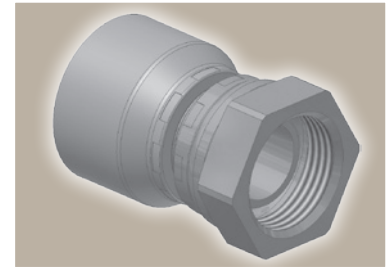
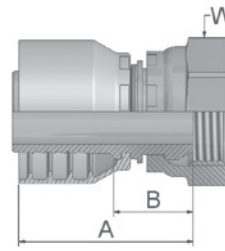
Part Number	 Hose I.D.				 Thread metric	Tube O.D. mm	A mm	B mm	 H mm
	DN	Inch	Size	mm					
1D248-38-20C	31	1 1/4	-20	31.8	M52x2	38	91	44	55

Approved **fitting series** for hose types:

48 301SN | 421RH starting with size -5 | 421SN starting with size -5 | 462 only size -4, -6, -8, -12 | 462ST | 462TC | 881

92 Female BSP Parallel Pipe Swivel – Straight (60° Cone)

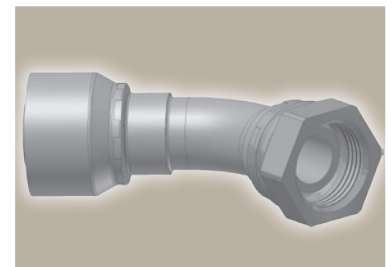
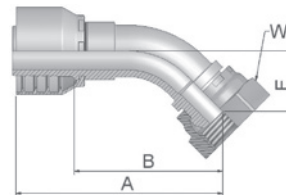
BS5200-A – DKR



Part Number	Hose I.D.				Thread BSP	A mm	B mm	W mm
	DN	Inch	Size	mm				
19248-20-20C	31	1 1/4	-20	31.8	1 1/4x11	79	32	50
19248-24-24C	38	1 1/2	-24	38.1	1 1/2x11	71	33	60
19248-32-32C	51	2	-32	50.8	2x11	84	35	70

B1 Female BSP Parallel Pipe Swivel 45° Elbow (60° Cone)

BS 5200-D – DKR 45°



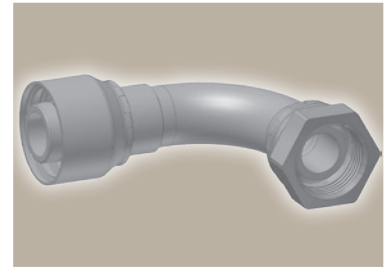
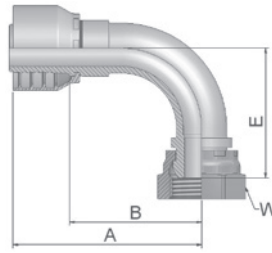
Part Number	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1B148-20-20C	31	1 1/4	-20	31.8	1 1/4x11	141	94	38	50
1B148-24-24C	38	1 1/2	-24	38.1	1 1/2x11	160	122	52	55




Approved **fitting series** for hose types:

48 301SN 421RH starting with size -5 421SN starting with size -5 462 only size -4, -6, -8, -12 462ST 462TC 881

B2 Female BSP Parallel Pipe Swivel 90° Elbow (60° Cone)

BS 5200-B – DKR 90°



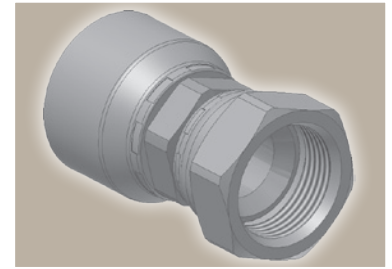
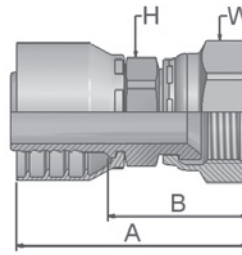
Part Number	 Hose I.D.				 Thread BSP	A mm	B mm	E mm	 W mm
	DN	Inch	Size	mm					
1B248-20-20C	31	1 1/4	-20	31.8	1 1/4x11	129	82	80	50
1B248-24-24C	38	1 1/2	-24	38.1	1 1/2x11	140	102	103	55
1B248-32-32C	51	2	-32	50.8	2x11	185	137	134	70

Approved **fitting series** for hose types:

48 301SN | 421RH starting with size -5 | 421SN starting with size -5 | 462 only size -4, -6, -8, -12 | 462ST | 462TC | 881

06 Female JIC 37° – Swivel Straight

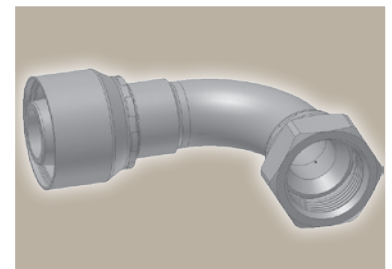
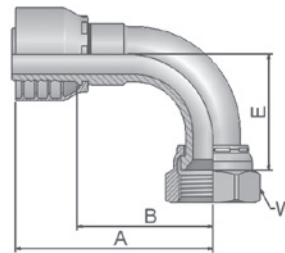
ISO12151-5-SWS – DKJ



Part Number	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
10648-20-20C	31	1 1/4	-20	31.8	1 5/8x12	100	53	46	50
10648-24-24C	38	1 1/2	-24	38.1	1 7/8x12	98	60	55	60
10648-32-32C	51	2	-32	50.8	2 1/2x12	120	72	65	75

39 Female JIC 37° – Swivel 90° Elbow

ISO 12151-5-SWES – DKJ 90°



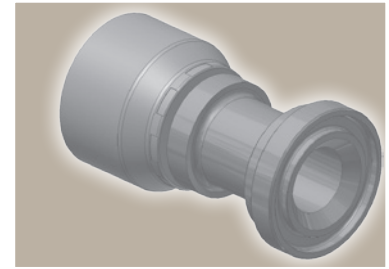
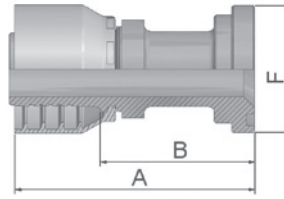
Part Number	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
13948-24-24C	38	1 1/2	-24	38.1	1 7/8x12	140	102	91	60
13948-32-32C	51	2	-32	50.8	2 1/2x12	185	137	145	75

Approved **fitting series** for hose types:

48 301SN | 421RH starting with size -5 | 421SN starting with size -5 | 462 only size -4, -6, -8, -12 | 462ST | 462TC | 881

15 ISO 6162-1-Flange Straight

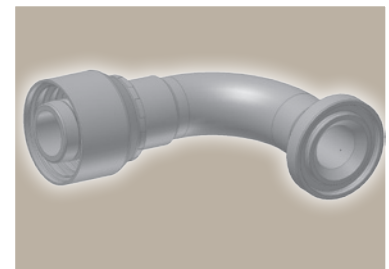
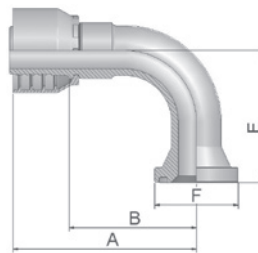
ISO 12151-3-S-L – SFL
(21.0 MPa/ 3000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	F mm
	DN	Inch	Size	mm				
11548-20-20C	31	1 1/4	-20	31.8	1 1/4	119	72	51
11548-24-24C	38	1 1/2	-24	38.1	1 1/2	117	79	60
11548-32-32C	51	2	-32	50.8	2	127	79	71

19 ISO 6162-1-Flange 90° Elbow

ISO 12151-3 – E- L – SFL 90°
(21.0 MPa/ 3000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
11948-20-20C	31	1 1/4	-20	31.8	1 1/4	130	83	90	51
11948-24-24C	38	1 1/2	-24	38.1	1 1/2	140	102	104	60
11948-32-32C	51	2	-32	50.8	2	186	138	138	71

Approved **fitting series** for hose types:

48 301SN | 421RH starting with size -5 | 421SN starting with size -5 | 462 only size -4, -6, -8, -12 | 462ST | 462TC | 881

Shell

Page Cd-1

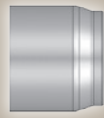
10046



No-Skive shell

for hoses 421SN, 441, 441RH, 461LT, 462, 462ST, 462TC, 463, 492, 492ST, 692, 692TWIN

10048



No-Skive shell

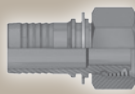
for hoses 301SN, 302, 387, 387TC, 387ST, 421SN, 422, 487, 487TC, 487ST

DIN – Metric

Page Cd-1 – Cd-5

CA

Cd-2



**Female Metric 24°
Light Series with O-Ring
Swivel – Straight**

ISO 12151-2-SWS-L – DKOL

CE

Cd-2



**Female Metric 24°
Light Series with O-Ring
Swivel – 45° Elbow**

ISO 12151-2-SWE-L – DKOL 45°

CF

Cd-3

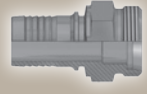


**Female Metric 24°
Light Series with O-Ring
Swivel – 90° Elbow**

ISO 12151-2-SWE-L – DKOL 90°

D0

Cd-3

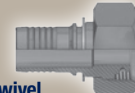


**Male Metric 24°
Light Series – Rigid
Straight**

ISO 12151-2-S-L – CEL

C9

Cd-4



**Female Metric 24° – Swivel
Heavy Series with O-Ring
Straight**

ISO 12151-2-SWS-S – DKOS

OC

Cd-4



**Female Metric 24° – Swivel
Heavy Series with O-Ring
45° Elbow**

ISO 12151-2 – SWE-S – DKOS 45°

1C

Cd-5

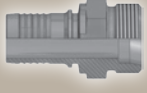


**Female Metric 24° – Swivel
Heavy Series with O-Ring
90° Elbow**

ISO 12151-2-SWE-S – DKOS 90°

D2

Cd-5



**Male Metric 24° – Rigid
Heavy Series – Straight**

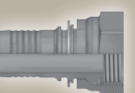
ISO 12151-2-S-S – CES

BSP

Page Cd-6 – Cd-7

92

Cd-6



**Female BSP Parallel Pipe
Swivel – Straight (60° Cone)**

BS5200-A – DKR

B1

Cd-6



**Female BSP Parallel Pipe
Swivel
45° Elbow (60° Cone)**

BS 5200-D – DKR 45°

B2

Cd-7

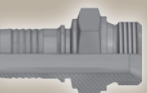


**Female BSP Parallel Pipe
Swivel
90° Elbow (60° Cone)**

BS 5200-B – DKR 90°

D9

Cd-7



**Male BSP Parallel Pipe
Rigid – Straight (60° Cone)**

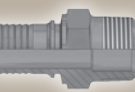
BS5200 – AGR

SAE

Page Cd-8 – Cd-9

01

Cd-8

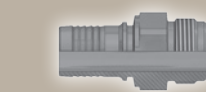


**Male NPTF Pipe
Rigid – Straight**

SAE J476A / J516 – AGN

03

Cd-8

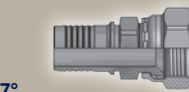


**Male JIC 37° – Rigid
Straight**

ISO12151-5-S – AGJ

06/68

Cd-9



**Female – JIC 37°
SAE 45° Dual Flare
Swivel – Straight**

ISO12151-5-SWS – DKJ

39/3W

Cd-9



**Female JIC 37°
SAE 45° – Dual Flare
Swivel Female 90° Elbow**

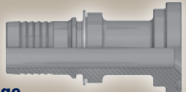
ISO 12151-5-SWES – DKJ 90°

Flange

Page Cd-10 – Cd-11

15

Cd-10



**ISO 6162-1-Flange
Straight**

ISO 12151-3-S-L – SFL
(21.0 MPa/ 3000 psi)

19

Cd-10

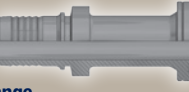


**ISO 6162-1-Flange
90° Elbow**

ISO 12151-3 – E-L – SFL 90°
(21.0 MPa/ 3000 psi)

6A

Cd-11



**ISO 6162-2-Flange
Straight**

ISO 12151-3-S-S – SFS
(42.0 MPa/ 6000 psi)

6N

Cd-11



**ISO 6162-2-Flange
90° Elbow**

ISO 12151-3 – E-S – SFS 90°
(42.0 MPa/ 6000 psi)

Hose Fittings Pressure Ratings

Fitting end connection	Description	Metric tube (mm) • Light series – L									
		Maximum working pressure (MPa) – design factor 4:1									
		6	8	10	12	15	18	22	28	35	42
CA, CE, CF	ISO 12151-2 swivel female with O-ring	31.5	42.5	40.0	35.0	31.5	31.5	28.0	21.0	16.0	16.0
D0	ISO 12151-2 male stud	25.0	42.5	40.0	35.0	31.0	28.0	28.0	21.0	16.0	16.0

Fitting end connection	Description	Metric tube (mm) • Heavy series – S									
		Maximum working pressure (MPa) – design factor 4:1									
		6	8	10	12	14	16	20	25	30	38
C9, OC, 1C	ISO 12151-2 swivel female with O-ring	63.0	63.0	63.0	63.0	63.0	42.0	42.0	42.0	42.0	42.0
D2	Male stud	63.0	63.0	63.0	63.0	63.0	42.0	42.0	42.0	42.0	42.0

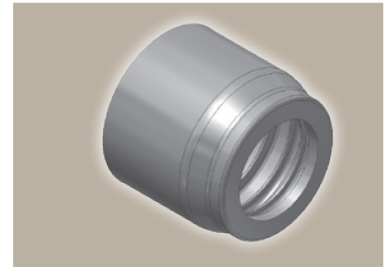
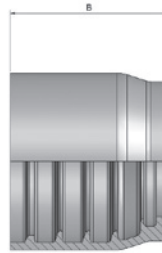
Fitting end connection	Description	Inch fittings (size)									
		Maximum working pressure (MPa) – design factor 4:1									
		-4	-5	-6	-8	-10	-12	-16	-20	-24	-32
92, B1, B2	BSP swivel female	63.0		55.0	43.0	37.5	35.0	28.0	25.0	21.0	21.0
D9	BSP male	63.0		55.0	43.0		35.0	28.0	25.0	21.0	21.0
01	NPTF male	34.5		27.5	24.0		21.0	17.0	15.0	14.0	14.0
03	SAE (JIC) 37° male	41.0	41.0	34.5	34.5	34.5	34.5	27.5	20.0	17.0	17.0
06/68, 39/3W	SAE (JIC) 37° swivel female	41.0	41.0	34.5	34.5	34.5	34.5	27.5	20.0	17.0	17.0
15, 19	ISO 6162-1-Flange (21.0 MPa/ 3000 psi)				34.5	34.5	34.5	34.5	27.5	21.0	21.0
6A, 6N	ISO 6162-2-Flange (42.0 MPa/ 6000 psi)				41.0		41.0	41.0	41.0	41.0	41.0

Further end-configurations available on request.

Information about standard products or non-standard products can be found in the current price list.
Technical changes reserved.

10046 No-Skive shell

for hoses 421SN, 441, 441RH, 461LT,
462, 462ST, 462TC, 463, 492, 492ST, 692,
692TWIN

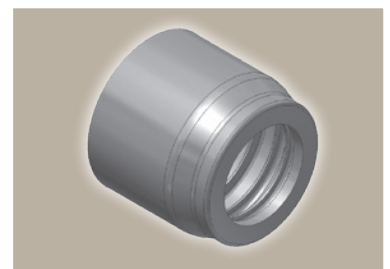
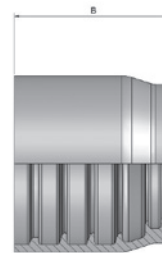


Part Number	Hose I.D.				B mm
	DN	Inch	Size	mm	
10046-4C	6	1/4	-4	6.4	27.7
10046-5C	8	5/16	-5	7.9	27.7
10046-6C	10	3/8	-6	9.5	26.9
10046-8C	12	1/2	-8	12.7	27.7
10046-10C	16	5/8	-10	15.9	29.2
10046-12C	19	3/4	-12	19.1	30.2
10046-16C	25	1	-16	25.4	35.5

only for use with adjustable crimpers

10048 No-Skive shell

for hoses 301SN, 302, 387, 387TC, 387ST,
421SN, 422, 487, 487TC, 487ST



Part Number	Hose I.D.				B mm
	DN	Inch	Size	mm	
10048-4C	6	1/4	-4	6.4	27.7
10048-5C	8	5/16	-5	7.9	27.7
10048-6C	10	3/8	-6	9.5	26.9
10048-8C	12	1/2	-8	12.7	27.7
10048-10C	16	5/8	-10	15.9	29.2
10048-12C	19	3/4	-12	19.1	30.2
10048-16C	25	1	-16	25.4	35.0

only for use with adjustable crimpers

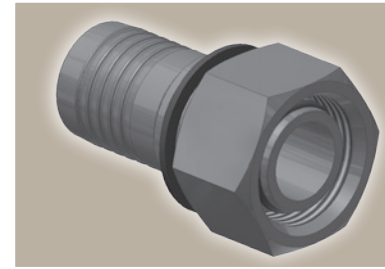
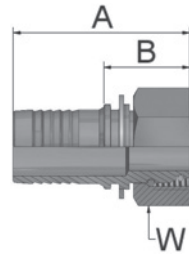
Approved **fitting series** for hose types:

46	421SN	441	441RH	461LT	462	462ST	462TC	463	492	492ST	692	692TWIN
48	301SN	387	387TC	387ST	421SN	size -6, -8, -10, -12, -16	487*	487TC*	487ST*			

* size -16 under development

CA **Female Metric 24°
Light Series with O-Ring
Swivel – Straight**

ISO 12151-2-SWS-L – DKOL

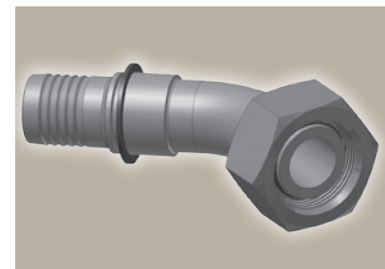
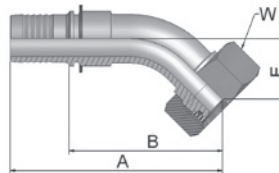


Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
KCA47-6-4C	6	1/4	-4	6.4	M12x1.5	6	49	22	14
KCA47-8-4C	6	1/4	-4	6.4	M14x1.5	8	49	22	17
KCA47-10-4C	6	1/4	-4	6.4	M16x1.5	10	49	22	19
KCA47-10-5C	8	5/16	-5	7.9	M16x1.5	10	49	22	19
KCA47-10-6C	10	3/8	-6	9.5	M16x1.5	10	48	23	19
KCA47-12-6C	10	3/8	-6	9.5	M18x1.5	12	47	22	22
KCA47-15-6C	10	3/8	-6	9.5	M22x1.5	15	51	27	27
KCA47-12-8C	12	1/2	-8	12.7	M18x1.5	12	53	26	22
KCA47-15-8C	12	1/2	-8	12.7	M22x1.5	15	53	26	27
KCA47-18-10C	16	5/8	-10	15.9	M26x1.5	18	53	25	32
KCA47-22-12C	19	3/4	-12	19.1	M30x2	22	58	31	36
KCA47-28-16C	25	1	-16	25.4	M36x2	28	64	33	41

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

CE **Female Metric 24°
Light Series with O-Ring
Swivel – 45° Elbow**

ISO 12151-2-SWE -L – DKOL 45°



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
KCE47-6-4C	6	1/4	-4	6.4	M12x1.5	6	72	45	19	14
KCE47-8-4C	6	1/4	-4	6.4	M14x1.5	8	62	35	16	17
KCE47-10-4C	6	1/4	-4	6.4	M16x1.5	10	62	35	16	19
KCE47-10-5C	8	5/16	-5	7.9	M16x1.5	10	70	43	15	19
KCE47-12-6C	10	3/8	-6	9.5	M18x1.5	12	70	45	19	22
KCE47-15-8C	12	1/2	-8	12.7	M22x1.5	15	74	47	22	27
KCE47-18-10C	16	5/8	-10	15.9	M26x1.5	18	78	50	23	32
KCE47-22-12C	19	3/4	-12	19.1	M30x2	22	91	63	26	36
KCE47-28-16C	25	1	-16	25.4	M36x 2	28	115	83	33	41

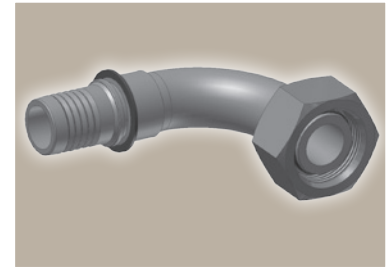
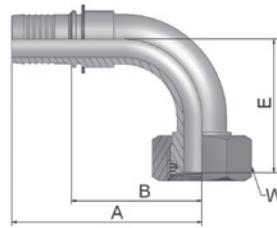
Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

Approved **fitting series** for hose types:

46	421SN	441	441RH	461LT	462	462ST	462TC	463	492	492ST	692	692TWIN
48	301SN	387	387TC	387ST	421SN	size -6, -8, -10, -12, -16	487*	487TC*	487ST*			

* size -16 under development

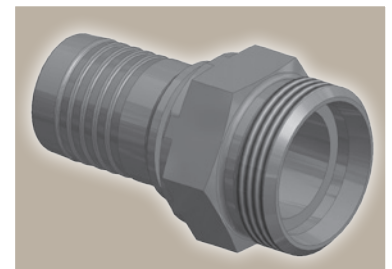
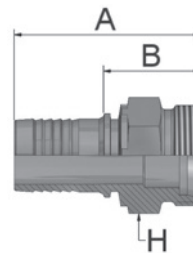
CF **Female Metric 24°
Light Series with O-Ring
Swivel – 90° Elbow**
ISO 12151-2-SWE-L – DKOL 90°



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
KCF47-6-4C	6	1/4	-4	6.4	M12x1.5	6	60	33	33	14
KCF47-8-4C	6	1/4	-4	6.4	M14x1.5	8	54	27	29	17
KCF47-10-4C	6	1/4	-4	6.4	M16x1.5	10	55	28	29	19
KCF47-10-5C	8	5/16	-5	7.9	M16x1.5	10	64	37	29	19
KCF47-10-6C	10	3/8	-6	9.5	M16x1.5	10	62	37	37	19
KCF47-12-6C	10	3/8	-6	9.5	M18x1.5	12	60	35	36	22
KCF47-15-8C	12	1/2	-8	12.7	M22x1.5	15	64	37	43	27
KCF47-18-10C	16	5/8	-10	15.9	M26x1.5	18	68	41	45	32
KCF47-22-12C	19	3/4	-12	19.1	M30x2	22	82	55	55	36
KCF47-28-16C	25	1	-16	25.4	M36x2	28	102	70	71	41

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

DO **Male Metric 24°
Light Series – Rigid
Straight**
ISO 12151-2-S-L – CEL



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	H mm
	DN	Inch	Size	mm					
KD047-8-4C	6	1/4	-4	6.4	M14x1.5	8	49	22	14
KD047-10-5C	8	5/16	-5	7.9	M16x1.5	10	51	24	17
KD047-12-6C	10	3/8	-6	9.5	M18x1.5	12	49	24	19
KD047-15-8C	12	1/2	-8	12.7	M22x1.5	15	53	26	22
KD047-18-10C	16	5/8	-10	15.9	M26x1.5	18	57	29	27
KD047-22-12C	19	3/4	-12	19.1	M30x2	22	62	33	30
KD047-28-16C	25	1	-16	25.4	M36x2	28	67	35	36

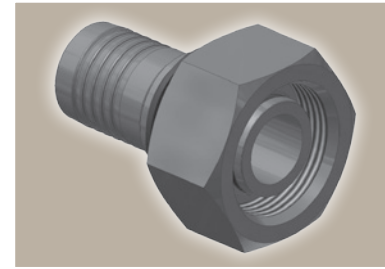
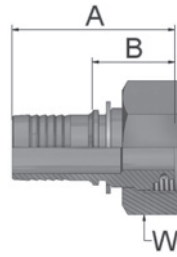
Approved **fitting series** for hose types:

46	421SN	441	441RH	461LT	462	462ST	462TC	463	492	492ST	692	692TWIN
48	301SN	387	387TC	387ST	421SN	size -6, -8, -10, -12, -16	487*	487TC*	487ST*			

* size -16 under development

C9 Female Metric 24° – Swivel Heavy Series with O-Ring Straight

ISO 12151-2-SWS-S – DKOS

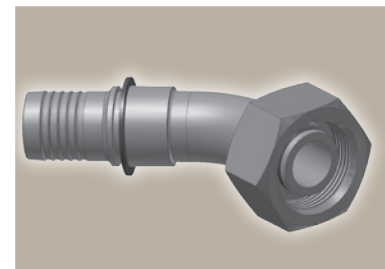
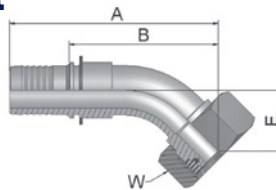


Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
KC947-6-4C	6	1/4	-4	6.4	M14x1.5	6	52	25	17
KC947-8-4C	6	1/4	-4	6.4	M16x1.5	8	50	23	19
KC947-10-4C	6	1/4	-4	6.4	M18x1.5	10	50	23	22
KC947-12-5C	8	5/16	-5	7.9	M20x1.5	12	52	25	24
KC947-12-6C	10	3/8	-6	9.5	M20x1.5	12	50	25	24
KC947-14-6C	10	3/8	-6	9.5	M22x1.5	14	52	27	27
KC947-16-8C	12	1/2	-8	12.7	M24x1.5	16	55	28	30
KC947-20-10C	16	5/8	-10	15.9	M30x2	20	61	33	36
KC947-20-12C	19	3/4	-12	19.1	M30x2	20	59	30	36
KC947-25-12C	19	3/4	-12	19.1	M36x2	25	63	35	46
KC947-25-16C	25	1	-16	25.4	M36x2	25	64	33	46
KC947-30-16C	25	1	-16	25.4	M42x2	30	63	31	50

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

OC Female Metric 24° – Swivel Heavy Series with O-Ring 45° Elbow

ISO 12151-2 – SWE -S – DKOS 45°



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
KOC47-10-4C	6	1/4	-4	6.4	M18x1.5	10	70	43	17	22
KOC47-12-5C	8	5/16	-5	7.9	M20x1.5	12	75	48	18	24
KOC47-12-6C	10	3/8	-6	9.5	M20x1.5	12	72	48	21	24
KOC47-16-8C	12	1/2	-8	12.7	M24x1.5	16	75	48	23	30
KOC47-25-12C	19	3/4	-12	19.1	M36x2	25	93	65	29	41
KOC47-25-16C	25	1	-16	25.4	M36x2	25	112	81	33	46
KOC47-30-16C	25	1	-16	25.4	M42x2	30	118	86	36	50

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

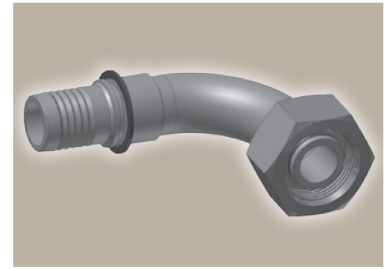
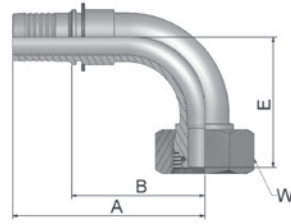
Approved **fitting series** for hose types:

46	421SN	441	441RH	461LT	462	462ST	462TC	463	492	492ST	692	692TWIN
48	301SN	387	387TC	387ST	421SN	size -6, -8, -10, -12, -16	487*	487TC*	487ST*			

* size -16 under development

1C Female Metric 24° – Swivel Heavy Series with O-Ring 90° Elbow

ISO 12151-2-SWE-S – DKOS 90°

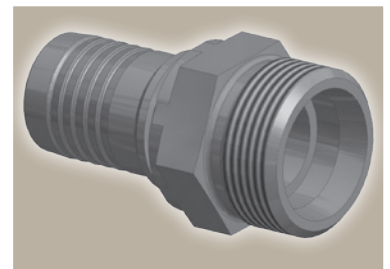
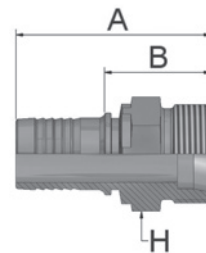


Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
K1C47-6-4C	6	1/4	-4	6.4	M14x1.5	6	65	39	32	17
K1C47-8-4C	6	1/4	-4	6.4	M16x1.5	8	56	29	30	19
K1C47-10-4C	6	1/4	-4	6.4	M18x1.5	10	60	33	30	22
K1C47-12-5C	8	5/16	-5	7.9	M20x1.5	12	63	36	33	24
K1C47-12-6C	10	3/8	-6	9.5	M20x1.5	12	59	37	39	24
K1C47-14-6C	10	3/8	-6	9.5	M22x1.5	14	64	39	37	27
K1C47-16-8C	12	1/2	-8	12.7	M24x1.5	16	64	37	45	30
K1C47-20-10C	16	5/8	-10	15.9	M30x2	20	67	40	50	36
K1C47-20-12C	19	3/4	-12	19.1	M30x2	20	82	54	58	36
K1C47-25-12C	19	3/4	-12	19.1	M36x2	25	82	54	59	46
K1C47-25-16C	25	1	-16	25.4	M36x2	25	104	72	71	46
K1C47-30-16C	25	1	-16	25.4	M42x2	30	106	75	76	50

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C. Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

D2 Male Metric 24° – Rigid Heavy Series – Straight

ISO 12151-2-S-S – CES



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	H mm
	DN	Inch	Size	mm					
KD247-10-4C	6	1/4	-4	6.4	M18x1.5	10	53	26	19
KD247-12-5C	8	5/16	-5	7.9	M20x1.5	12	53	26	22
KD247-12-6C	10	3/8	-6	9.5	M18x1.5	12	51	26	22
KD247-14-6C	10	3/8	-6	9.5	M22x1.5	14	53	28	22
KD247-16-8C	12	1/2	-8	12.7	M24x1.5	16	56	29	24
KD247-20-10C	16	5/8	-10	15.9	M30x2	20	60	33	36
KD247-25-12C	19	3/4	-12	19.1	M36x2	25	67	39	36
KD247-30-16C	25	1	-16	25.4	M42x2	30	74	42	46

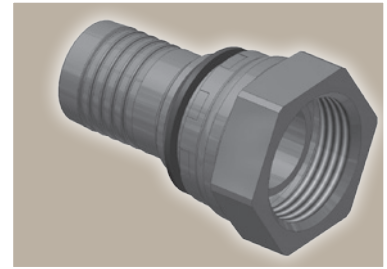
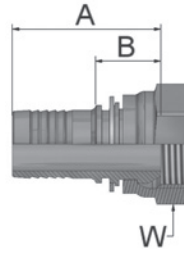
Approved **fitting series** for hose types:

46	421SN	441	441RH	461LT	462	462ST	462TC	463	492	492ST	692	692TWIN
48	301SN	387	387TC	387ST	421SN	size -6, -8, -10, -12, -16	487*	487TC*	487ST*			

* size -16 under development

92 Female BSP Parallel Pipe Swivel – Straight (60° Cone)

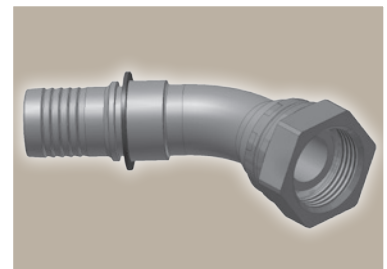
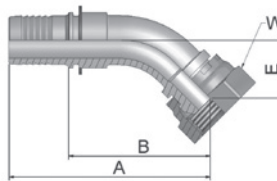
BS5200-A – DKR



Part Number	Hose I.D.				Thread BSP	A mm	B mm	W mm
	DN	Inch	Size	mm				
K9247-4-4C	6	1/4	-4	6.4	1/4x19	46	19	19
K9247-6-6C	10	3/8	-6	9.5	3/8x19	45	20	22
K9247-8-8C	12	1/2	-8	12.7	1/2x14	49	22	27
K9247-10-10C	16	5/8	-10	15.9	5/8x14	48	20	30
K9247-12-12C	19	3/4	-12	19.1	3/4x14	51	23	32
K9247-16-16C	25	1	-16	25.4	1x11	57	25	41

B1 Female BSP Parallel Pipe Swivel 45° Elbow (60° Cone)

BS 5200-D – DKR 45°



Part Number	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
KB147-6-6C	10	3/8	-6	9.5	3/8x19	71	46	17	22
KB147-8-8C	12	1/2	-8	12.7	1/2x14	75	48	20	27
KB147-12-12C	19	3/4	-12	19.1	3/4x14	89	61	25	32
KB147-16-16C	25	1	-16	25.4	1x11	109	78	33	41

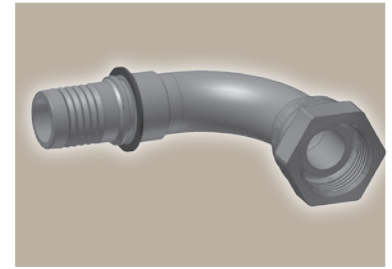
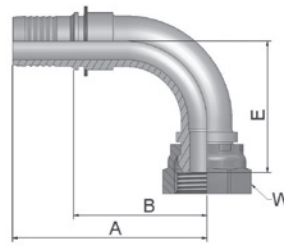
Approved **fitting series** for hose types:

46	421SN	441	441RH	461LT	462	462ST	462TC	463	492	492ST	692	692TWIN
48	301SN	387	387TC	387ST	421SN	size -6, -8, -10, -12, -16	487*	487TC*	487ST*			

* size -16 under development

B2 Female BSP Parallel Pipe Swivel 90° Elbow (60° Cone)

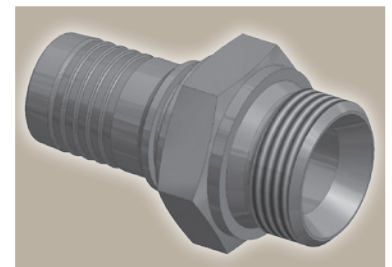
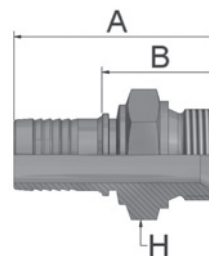
BS 5200-B – DKR 90°



Part Number	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
KB247-4-4C	6	1/4	-4	6.4	1/4x19	53	26	28	19
KB247-6-6C	10	3/8	-6	9.5	3/8x19	66	41	33	22
KB247-8-8C	12	1/2	-8	12.7	1/2x14	66	40	40	27
KB247-12-12C	19	3/4	-12	19.1	3/4x14	82	54	53	32
KB247-16-16C	25	1	-16	25.4	1x11	106	74	69	41

D9 Male BSP Parallel Pipe Rigid – Straight (60° Cone)

BS5200 – AGR



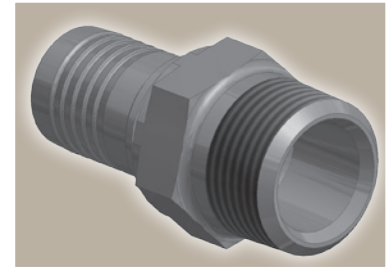
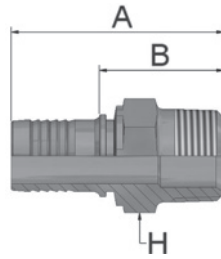
Part Number	Hose I.D.				Thread BSP	A mm	B mm	H mm
	DN	Inch	Size	mm				
KD947-6-6C	10	3/8	-6	9.5	3/8x19	56	31	22
KD947-8-8C	12	1/2	-8	12.7	1/2x14	60	34	27
KD947-12-12C	19	3/4	-12	19.1	3/4x14	65	36	32
KD947-16-16C	25	1	-16	25.4	1x11	74	42	41

Approved **fitting series** for hose types:

46	421SN	441	441RH	461LT	462	462ST	462TC	463	492	492ST	692	692TWIN
48	301SN	387	387TC	387ST	421SN	size -6, -8, -10, -12, -16	487*	487TC*	487ST*			

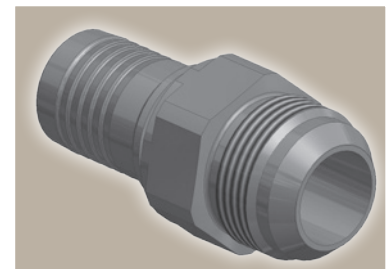
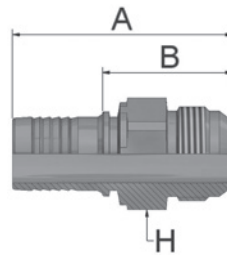
* size -16 under development

01 **Male NPTF Pipe
Rigid – Straight**
SAE J476A / J516 – AGN



Part Number	Hose I.D.				Thread NPTF	A mm	B mm	H mm
	DN	Inch	Size	mm				
K0147-4-4C	6	1/4	-4	6.4	1/4x18	56	29	14
K0147-6-6C	10	3/8	-6	9.5	3/8x18	56	31	19
K0147-8-8C	12	1/2	-8	12.7	1/2x14	65	38	22
K0147-12-12C	19	3/4	-12	19.1	3/4x14	62	34	27
K0147-16-16C	25	1	-16	25.4	1x1 1/2	92	48	46

03 **Male JIC 37° – Rigid
Straight**
ISO12151-5-S – AGJ



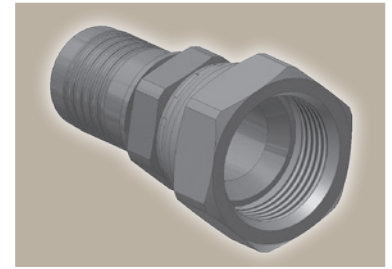
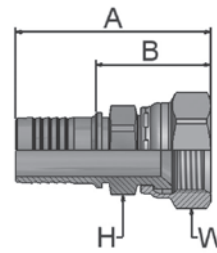
Part Number	Hose I.D.				Thread UNF	A mm	B mm	H mm
	DN	Inch	Size	mm				
K0347-6-6C	10	3/8	-6	9.5	9/16x18	56	31	19
K0347-8-8C	12	1/2	-8	12.7	3/4x16	61	34	22
K0347-12-12C	19	3/4	-12	19.1	1 1/16x12	70	42	27
K0347-16-16C	25	1	-16	25.4	1 5/16x12	78	46	36

Approved **fitting series** for hose types:

46	421SN	441	441RH	461LT	462	462ST	462TC	463	492	492ST	692	692TWIN
48	301SN	387	387TC	387ST	421SN	size -6, -8, -10, -12, -16	487*	487TC*	487ST*			

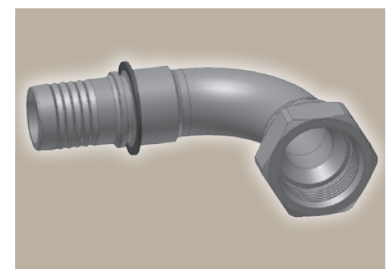
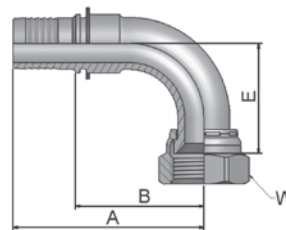
* size -16 under development

06/68 Female – JIC 37°
SAE 45° Dual Flare
Swivel – Straight
ISO12151-5-SWS – DKJ



Part Number	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
K6847-4-4C	6	1/4	-4	6.4	7/16x20	56	29	14	17
K0647-6-4C	6	1/4	-4	6.4	9/16x18	58	31	14	19
K0647-6-5C	8	5/16	-5	7.9	9/16x18	56	29	14	19
K0647-6-6C	10	3/8	-6	9.5	9/16x18	54	29	17	19
K6847-8-8C	12	1/2	-8	12.7	3/4x16	59	32	22	22
K6847-10-10C	16	5/8	-10	15.9	7/8x14	63	35	22	27
K0647-12-12C	19	3/4	-12	19.1	1 1/16x12	69	41	27	32
K0647-16-16C	25	1	-16	25.4	1 5/16x12	77	46	32	41

39/3W Female JIC 37°
SAE 45° – Dual Flare
Swivel Female 90° Elbow
ISO 12151-5-SWES – DKJ 90°



Part Number	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
K3W47-4-4C	6	1/4	-4	6.4	7/16x20	51	24	21	17
K3947-6-4C	6	1/4	-4	6.4	9/16x18	52	25	23	19
K3947-6-5C	8	5/16	-5	7.9	9/16x18	54	27	23	19
K3947-6-6C	10	3/8	-6	9.5	9/16x18	52	28	23	19
K3W47-8-8C	12	1/2	-8	12.7	3/4x16	65	38	29	22
K3W47-10-10C	16	5/8	-10	15.9	7/8x14	66.5	39	33	27
K3947-12-12C	19	3/4	-12	19.1	1 1/16x12	82	54	48	32
K3947-16-16C	25	1	-16	25.4	1 5/16x12	100	68	56	41

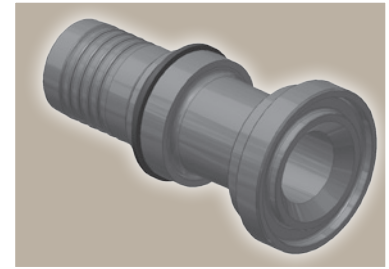
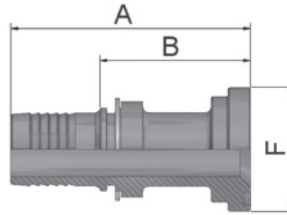
Approved fitting series for hose types:

46	421SN	441	441RH	461LT	462	462ST	462TC	463	492	492ST	692	692TWIN
48	301SN	387	387TC	387ST	421SN	size -6, -8, -10, -12, -16	487*	487TC*	487ST*			

* size -16 under development

15 ISO 6162-1-Flange Straight

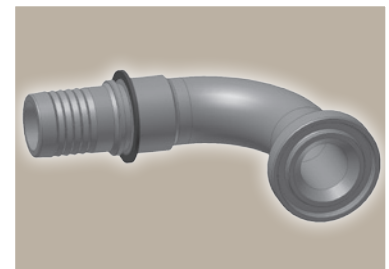
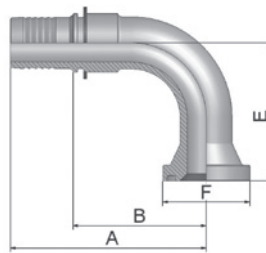
ISO 12151-3-S-L – SFL
(21.0 MPa/ 3000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	F mm
	DN	Inch	Size	mm				
K1547-12-12C	19	3/4	-12	19.1	3/4	84	55	38
K1547-16-12C	19	3/4	-12	19.1	1	59	30	45
K1547-16-16C	25	1	-16	25.4	1	86	54	45

19 ISO 6162-1-Flange 90° Elbow

ISO 12151-3 – E- L – SFL 90°
(21.0 MPa/ 3000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
K1947-12-12C	19	3/4	-12	19.1	3/4	82	54	58	38
K1947-16-12C	19	3/4	-12	19.1	1	82	54	58	45
K1947-16-16C	25	1	-16	25.4	1	100	68	70	45
K1947-20-16C	25	1	-16	25.4	1 1/4	104	72	70	51

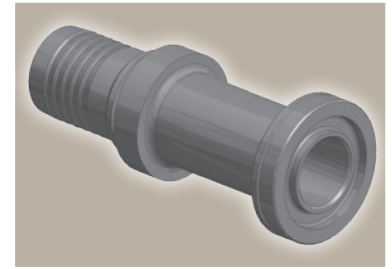
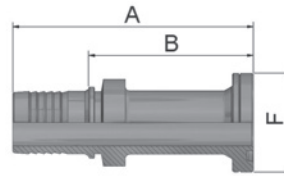
Approved **fitting series** for hose types:

46	421SN	441	441RH	461LT	462	462ST	462TC	463	492	492ST	692	692TWIN
48	301SN	387	387TC	387ST	421SN	size -6, -8, -10, -12, -16	487*	487TC*	487ST*			

* size -16 under development

6A ISO 6162-2-Flange Straight

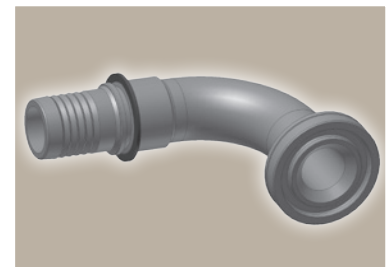
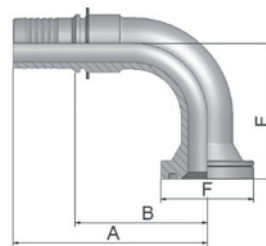
ISO 12151-3-S-S – SFS
(42.0 MPa/ 6000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	F mm
	DN	Inch	Size	mm				
K6A47-8-8C	12	1/2	-8	12.7	1/2	78	51	32
K6A47-12-12C	19	3/4	-12	19.1	3/4	99	70	41
K6A47-16-16C	25	1	-16	25.4	1	113	81	48
K6A47-20-16C	25	1	-16	25.4	1 1/4	79	47	54

6N ISO 6162-2-Flange 90° Elbow

ISO 12151-3 – E-S – SFS 90°
(42.0 MPa/ 6000 psi)

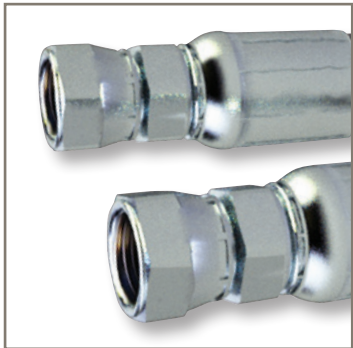


Part Number	Hose I.D.				Flange Inch	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
K6N47-8-8C	12	1/2	-8	12.7	1/2	71	44	41	32
K6N47-12-12C	19	3/4	-12	19.1	3/4	82	54	54	41
K6N47-20-16C	25	1	-16	25.4	1 1/4	104	72	70	54

Approved **fitting series** for hose types:

46	421SN	441	441RH	461LT	462	462ST	462TC	463	492	492ST	692	692TWIN
48	301SN	387	387TC	387ST	421SN	size -6, -8, -10, -12, -16	487*	487TC*	487ST*			

* size -16 under development



Hydraulic Hose Fittings in Stainless Steel

High pressure



ENGINEERING YOUR SUCCESS.

High Pressure Hoses and Fittings

Three systems for heavy duty performers

Multispiral Parkrimp *No-Skive*

Crimpable with
Parkrimp System



Compact Spiral Interlock *No-Skive*

Crimpable with
Parkrimp System



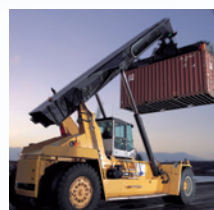
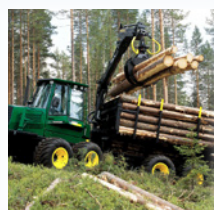
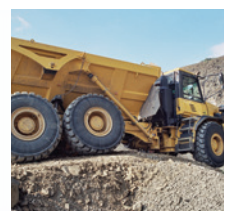
ParLock Interlock Skive

Crimpable with
adjustable crimpers



Applications

The definitive hose range for all
high pressure applications



Crimper systems you can trust

Parkrimp crimpers for *No-Skive* one-piece fittings



KarryKrimp® 2



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Adjustable crimpers for two-piece ParLock fittings



TH8E-530



TH 8E-380-CM



TH 8E-480-CM



Parkrimp *No-Skive*
one-piece fittings



ParLock
two-piece skive fittings

Parkrimp

Standard

372



No-Skive Compact
3-wire braid compact hose with
4SP working pressures

701



No-Skive Multispiral
Exceeds ISO 3862 Type 4SP – EN 856 Type
4SP

722



No-Skive GlobalCore
Exceeds ISO 18752-BC

High abrasion resistance

372TC



No-Skive Compact
3-wire braid compact hose with
4SP working pressures

722TC



No-Skive GlobalCore Tough Cover
Exceed ISO 18752-CC

Extreme abrasion resistance

722ST



**No-Skive GlobalCore Super
Tough**
Exceeds ISO 18752-BC

Compact Spiral

787TC



**No-Skive GlobalCore Compact Spiral™
Tough Cover**

797TC



**No-Skive GlobalCore Compact Spiral™
Tough Cover**

Railway

372RH



No-Skive Compact
3-wire braid with fire-retardant cover

Low temperature

371LT



No-Skive Compact
3-wire braid low-temperature compact hose
with 4SP working pressures

Hose Pressure Ratings

	Hose	Fitting serie	-4	-6	-8	-10	-12	-16	-20	-24	-32	Temp.	Construction	Standard
			6	10	12	16	19	25	31	38	51			
Standard	372	70		44.5	41.5	35.0	35.0	28.0				-40/+100	3 braids, wire	EN 856-4SP - ISO 3862-4SP Exceed ISO 18752-BC
	701	70		45.0	41.5	35.0	35.0	28.0				-40/+100	4 spiral, wire	
	722	43		28.0	28.0	28.0	28.0	28.0				-40/+100	4 spiral, wire	
High abr. resistance - MSHA approved	372TC	70		44.5	41.5	35.0	35.0	28.0				-40/+100	3 braids, wire	Exceed ISO 18752-CC
	722TC	43		28.0	28.0	28.0	28.0	28.0				-40/+125	4 spiral, wire	
Extreme abr. resist.	722ST	43		28.0	28.0	28.0	28.0	28.0				-40/+125	4 spiral, wire	Exceed ISO 18752-CC
Compact Spiral	787TC	77	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	-40/+125	4/6 spiral, wire	Exceed ISO 18752-AC/DC
	797TC	77	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	-40/+125	4/6 spiral, wire	Exceed ISO 18752-AC/CC/DC
Railway	372RH	70		44.5	41.5	35.0	35.0	28.0				-40/+100	3 braids, wire	
Low temperature	371LT	70		44.5	41.5	35.0	35.0	28.0				-50/+100	3 braids, wire	

ParLock

Standard

H29



ParLock Multispiral
Exceeds ISO 3862 Type 4SH –
EN 856 Type 4SH

R42



ParLock Multispiral
Exceeds ISO 3862 Type R15 –
Parker Specifications

High abrasion resistance

H29TC



ParLock Multispiral
Exceeds ISO 3862 Type 4SH –
EN 856 Type 4SH

R42TC



ParLock Multispiral
Exceeds ISO 3862 Type R15 –
Parker Specifications

Extreme abrasion resistance

H29ST



ParLock Multispiral
Exceeds ISO 3862 Type 4SH –
EN 856 Type 4SH

R42ST



ParLock Multispiral
Exceeds ISO 3862 Type R15 –
Parker Specifications

Hose Pressure Ratings

	Hose	Fitting serie	-6	-8	-10	-12	-16	-20	-24	-32	Temp.	Construction	Standard
			10	12	16	19	25	31	38	51			
Standard	H29	V4/V6				43.0	40.0	35.0	31.0	28.0	-40/+100	4 spiral, wire	Exceeds EN 856-4SH - ISO 3862-4SH
	R42	V4/V6			42.0	42.0	42.0	42.0	42.0	42.0	-40/+125	4/6 spiral, wire	ISO 3862-R15 - SAE 100R15
High abr. resistance - MSHA approved	H29TC	V4/V6				43.0	40.0	35.0	31.0	28.0	-40/+100	4 spiral, wire	Exceeds EN 856-4SH - ISO 3862-4SH
	R42TC	V4/V6			42.0	42.0	42.0	42.0	42.0	42.0	-40/+125	4/6 spiral, wire	ISO 3862-R15 - SAE 100R15
Extreme abrasion resistance	H29ST	V4/V6				43.0	40.0	35.0	31.0	28.0	-40/+100	4 spiral, wire	Exceeds EN 856-4SH - ISO 3862-4SH
	R42ST	V4/V6			42.0	42.0	42.0	42.0	42.0	42.0	-40/+125	4/6 spiral, wire	ISO 3862-R15 - SAE 100R15

You can find details on these products in our catalogue C4400/UK.

Information about standard products or non-standard products can be found in the current price list.
Technical changes reserved.

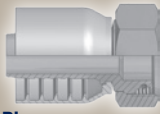
DIN – Metric

Page Db-1 – Db-3

CA

Db-1

Female Metric 24°
Light Series with O-Ring
Swivel – Straight
ISO 12151-2-SWS-L – DKOL



CF

Db-1

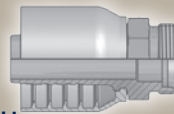
Female Metric 24°
Light Series with O-Ring
Swivel – 90° Elbow
ISO 12151-2-SWE-L – DKOL 90°



D0

Db-2

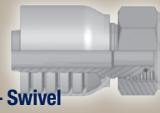
Male Metric 24°
Light Series – Rigid
Straight
ISO 12151-2-S-L – CEL



C9

Db-2

Female Metric 24° – Swivel
Heavy Series with O-Ring
Straight
ISO 12151-2-SWS-S – DKOS



1C

Db-3

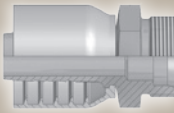
Female Metric 24° – Swivel
Heavy Series with O-Ring
90° Elbow
ISO 12151-2-SWE-S – DKOS 90°



D2

Db-3

Male Metric 24° – Rigid
Heavy Series – Straight
ISO 12151-2-S-S – CES



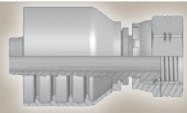
BSP

Page Db-4

92

Db-4

Female BSP Parallel Pipe
Swivel – Straight (60° Cone)
BS5200-A – DKR



B2

Db-4

Female BSP Parallel Pipe
Swivel
90° Elbow (60° Cone)
BS 5200-B – DKR 90°



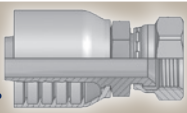
SAE

Page Db-5

06/68

Db-5

Female – JIC 37°
SAE 45° Dual Flare
Swivel – Straight
ISO12151-5-SWS – DKJ



39/3W

Db-5

Female JIC 37°
SAE 45° – Dual Flare
Swivel Female 90° Elbow
ISO 12151-5-SWES – DKJ 90°



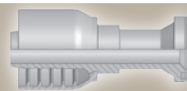
Flange

Page Db-6 – Db-7

15

Db-6

ISO 6162-1-Flange
Straight
ISO 12151-3-S-L – SFL
(21.0 MPa/ 3000 psi)



19

Db-6

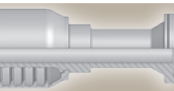
ISO 6162-1-Flange
90° Elbow
ISO 12151-3 – E-L – SFL 90°
(21.0 MPa/ 3000 psi)



6A

Db-7

ISO 6162-2-Flange
Straight
ISO 12151-3-S-S – SFS
(42.0 MPa/ 6000 psi)



6N

Db-7

ISO 6162-2-Flange
90° Elbow
ISO 12151-3 – E-S – SFS 90°
(42.0 MPa/ 6000 psi)



Further end-configurations available on request.

Information about standard products or non-standard products can be found in the current price list.
Technical changes reserved.

Hose Fittings Pressure Ratings

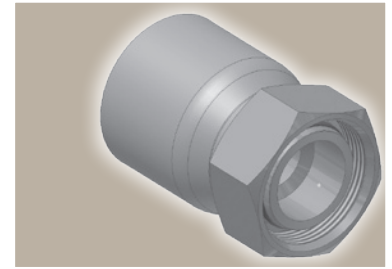
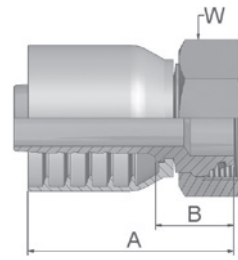
Fitting end connection	Description	Metric tube (mm) • Light series – L						
		Maximum working pressure (MPa) – design factor 4:1						
		6	8	10	12	15	18	22
CA, CF	ISO 12151-2 swivel female with O-ring	31.5	42.5	40.0	35.0	31.5	31.5	28.0
D0	ISO 12151-2 male stud	25.0	42.5	40.0	35.0	31.0	28.0	28.0

Fitting end connection	Description	Metric tube (mm) • Heavy series – S						
		Maximum working pressure (MPa) – design factor 4:1						
		6	8	10	12	14	16	20
C9, 1C	ISO 12151-2 swivel female with O-ring	63.0	63.0	63.0	63.0	63.0	42.0	42.0
D2	Male stud	63.0	63.0	63.0	63.0	63.0	42.0	42.0

Fitting end connection	Description	Inch fittings (size)						
		Maximum working pressure (MPa) – design factor 4:1						
		-4	-5	-6	-8	-10	-12	-16
92, B2	BSP swivel female	63.0		55.0	43.0	37.5	35.0	28.0
06/68, 39/3W	SAE (JIC) 37° swivel female	41.0	41.0	34.5	34.5	34.5	34.5	27.5
15, 19	ISO 6162-1-Flange (21.0 MPa/ 3000 psi)				34.5	34.5	34.5	34.5
6A, 6N	ISO 6162-2-Flange (42.0 MPa/ 6000 psi)				41.0		41.0	41.0

CA Female Metric 24° Light Series with O-Ring Swivel – Straight

ISO 12151-2-SWS-L – DKOL

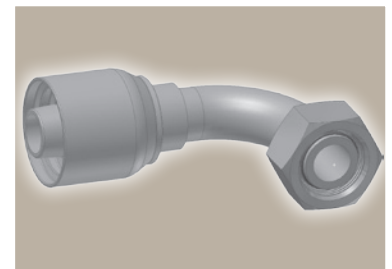
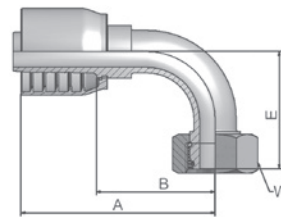


Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
1CA70-10-6C	10	3/8	-6	9.5	M16x1.5	10	53	24	19
1CA70-12-6C	10	3/8	-6	9.5	M18x1.5	12	53	24	22
1CA70-15-8C	12	1/2	-8	12.7	M22x1.5	15	61	27	27
1CA70-18-10C	16	5/8	-10	15.9	M26x1.5	18	62	25	32
1CA70-22-12C	19	3/4	-12	19.1	M30x2	22	63	24	36
1CA70-28-16C	25	1	-16	25.4	M36x2	28	78	33	41

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

CF Female Metric 24° Light Series with O-Ring Swivel – 90° Elbow

ISO 12151-2-SWE-L – DKOL 90°



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
1CF70-10-6C	10	3/8	-6	9.5	M16x1.5	10	67	38	38	19
1CF70-12-6C	10	3/8	-6	9.5	M18x1.5	12	67	38	37	22
1CF70-15-8C	12	1/2	-8	12.7	M22x1.5	15	74	39	45	27
1CF70-18-10C	16	5/8	-10	15.9	M26x1.5	18	79	42	49	32
1CF70-22-12C	19	3/4	-12	19.1	M30x2	22	89	49	55	36
1CF70-28-16C	25	1	-16	25.4	M36x2	28	114	68	73	41

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

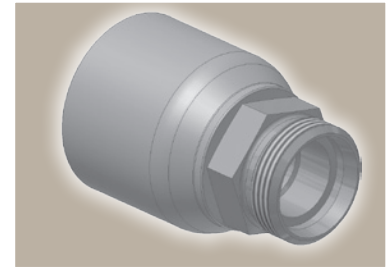
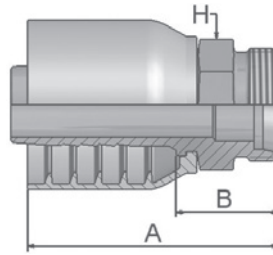
Approved **fitting series** for hose types:

70 | 371LT | 372 | 372TC | 372RH | 701

Also available in steel. Details can be found in catalogue C4400/UK.

D0 Male Metric 24° Light Series – Rigid Straight

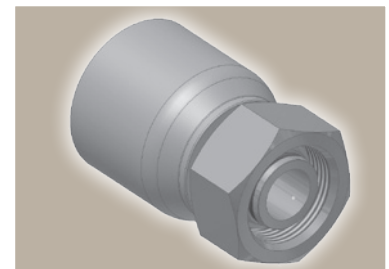
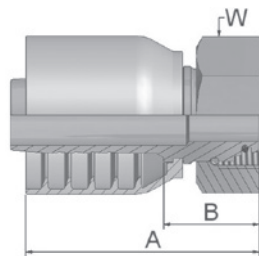
ISO 12151-2-S-L – CEL



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	H mm
	DN	Inch	Size	mm					
1D070-12-6C	10	3/8	-6	9.5	M18x1.5	12	52	23	19
1D070-15-8C	12	1/2	-8	12.7	M22x1.5	15	60	26	22
1D070-18-10C	16	5/8	-10	15.9	M26x1.5	18	65	28	27
1D070-22-12C	19	3/4	-12	19.1	M30x2	22	69	30	30
1D070-28-16C	25	1	-16	25.4	M36x2	28	79	32	36

C9 Female Metric 24° – Swivel Heavy Series with O-Ring Straight

ISO 12151-2-SWS-S – DKOS



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
1C970-12-6C	10	3/8	-6	9.5	M20x1.5	12	52	23	24
1C970-14-6C	10	3/8	-6	9.5	M22x1.5	14	53	24	27
1C970-16-8C	12	1/2	-8	12.7	M24x1.5	16	59	24	30
1C970-20-10C	16	5/8	-10	15.9	M30x2	20	66	27	36
1C970-20-12C	19	3/4	-12	19.1	M30x2	20	66	27	36
1C970-25-12C	19	3/4	-12	19.1	M36x2	25	67	28	46
1C970-25-16C	25	1	-16	25.4	M36x2	25	78	33	46
1C970-30-16C	25	1	-16	25.4	M42x2	30	80	33	50

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

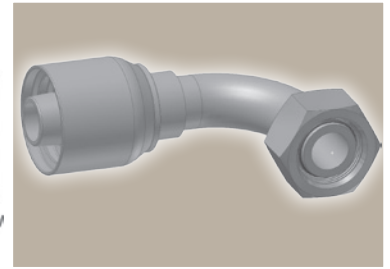
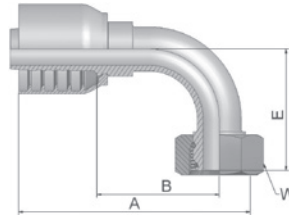
Approved **fitting series** for hose types:

Also available in steel. Details can be found in catalogue C4400/UK.

70 | 371LT | 372 | 372TC | 372RH | 701

1C Female Metric 24° – Swivel Heavy Series with O-Ring 90° Elbow

ISO 12151-2-SWE-S – DKOS 90°

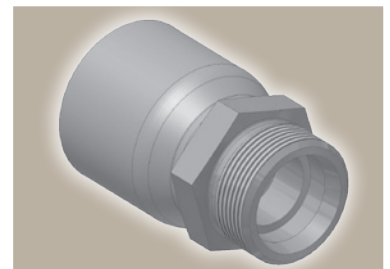
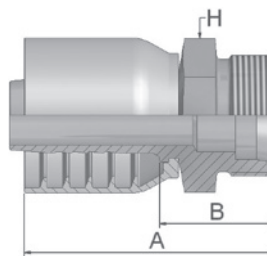


Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
11C70-12-6C	10	3/8	-6	9.5	M20x1.5	12	67	38	37	24
11C70-14-6C	10	3/8	-6	9.5	M22x1.5	14	67	37	37	27
11C70-16-8C	12	1/2	-8	12.7	M24x1.5	16	72	37	45	30
11C70-20-10C	16	5/8	-10	15.9	M30x2	20	77	40	50	36
11C70-20-12C	19	3/4	-12	19.1	M30x2	20	89	50	58	36
11C70-25-12C	19	3/4	-12	19.1	M36x2	25	89	49	59	46
11C70-25-16C	25	1	-16	25.4	M36x2	25	111	64	69	46
11C70-30-16C	25	1	-16	25.4	M42x2	30	111	64	69	50

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

D2 Male Metric 24° – Rigid Heavy Series – Straight

ISO 12151-2-S-S – CES



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	H mm
	DN	Inch	Size	mm					
1D270-14-6C	10	3/8	-6	9.5	M22x1.5	14	57	28	22
1D270-16-8C	12	1/2	-8	12.7	M24x1.5	16	62	28	24
1D270-20-10C	16	5/8	-10	15.9	M30x2	20	72	32	30
1D270-20-12C	19	3/4	-12	19.1	M30x2	20	78	33	30
1D270-25-12C	19	3/4	-12	19.1	M36x2	25	74	35	36
1D270-25-16C	25	1	-16	25.4	M36x2	25	84	37	36

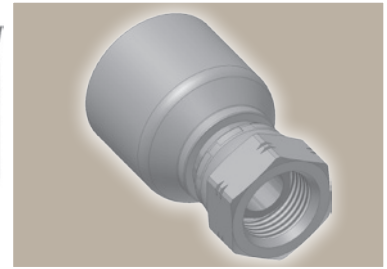
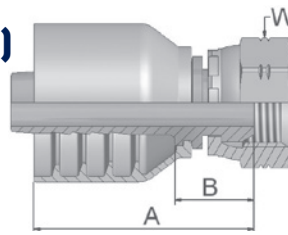
Approved fitting series for hose types:

Also available in steel. Details can be found in catalogue C4400/UK.

70 371LT 372 372TC 372RH 701

92 Female BSP Parallel Pipe Swivel – Straight (60° Cone)

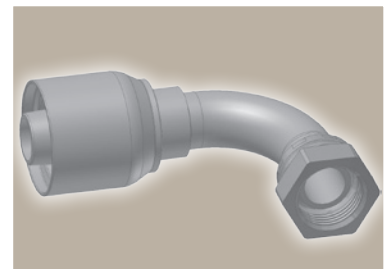
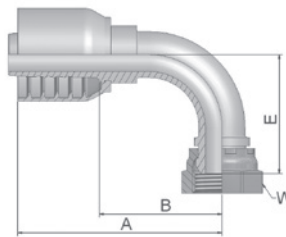
BS5200-A – DKR



Part Number	Hose I.D.				Thread BSP	A mm	B mm	W mm
	DN	Inch	Size	mm				
19270-6-6C	10	3/8	-6	9.5	3/8x19	49	20	22
19270-8-8C	12	1/2	-8	12.7	1/2x14	57	22	27
19270-10-10C	16	5/8	-10	15.9	5/8x14	60	21	30
19270-12-12C	19	3/4	-12	19.1	3/4x14	61	22	32
19270-16-16C	25	1	-16	25.4	1x11	72	25	41

B2 Female BSP Parallel Pipe Swivel 90° Elbow (60° Cone)

BS 5200-B – DKR 90°



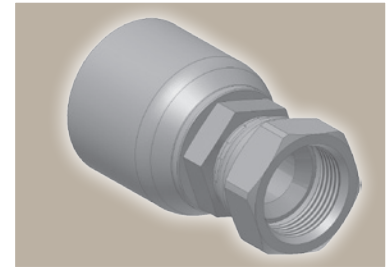
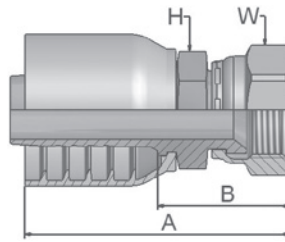
Part Number	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1B270-6-6C	10	3/8	-6	9.5	3/8x19	66	37	33	22
1B270-8-8C	12	1/2	-8	12.7	1/2x14	74	39	40	27
1B270-12-12C	19	3/4	-12	19.1	3/4x14	89	50	53	32
1B270-16-16C	25	1	-16	25.4	1x11	114	69	69	41

Approved **fitting series** for hose types:

Also available in steel. Details can be found in catalogue C4400/UK.

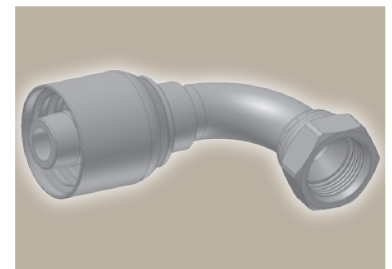
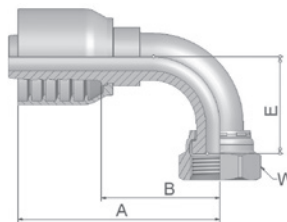
70 371LT 372 372TC 372RH 701

06/68 Female – JIC 37°
SAE 45° Dual Flare
Swivel – Straight
ISO12151-5-SWS – DKJ



Part Number	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
10670-6-6C-SM	10	3/8	-6	9.5	9/16x18	58	29	17	19
16870-8-8C-SM	12	1/2	-8	12.7	3/4x16	67	32	22	22
10670-10-8C-SM	12	1/2	-8	12.7	7/8x14	72	38	22	27
16870-10-10C-SM	16	5/8	-10	15.9	7/8x14	75	35	24	27
10670-12-12C-SM	19	3/4	-12	19.1	1 1/16x12	80	41	27	32
10670-16-16C-SM	25	1	-16	25.4	1 5/16x12	92	47	36	41

39/3W Female JIC 37°
SAE 45° – Dual Flare
Swivel Female 90° Elbow
ISO 12151-5-SWES – DKJ 90°



Part Number	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
13970-6-6C-SM	10	3/8	-6	9.5	9/16x18	57	28	23	19
13W70-8-8C-SM	12	1/2	-8	12.7	3/4x16	66	32	29	22
13970-10-10C-SM	16	5/8	-10	15.9	7/8x14	80	40	33	27
13970-12-12C-SM	19	3/4	-12	19.1	1 1/16x12	89	50	48	32
13970-16-16C-SM	25	1	-16	25.4	1 5/16x12	109	64	55	41

SM: metric hexagon

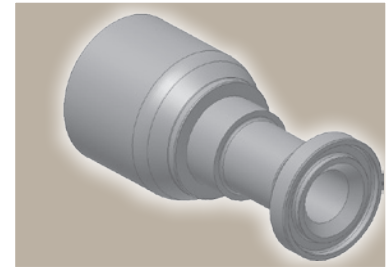
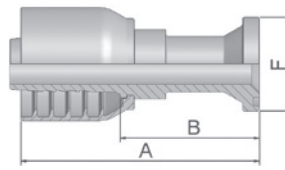
Approved fitting series for hose types:

Also available in steel. Details can be found in catalogue C4400/UK.

70 371LT | 372 | 372TC | 372RH | 701

15 ISO 6162-1-Flange Straight

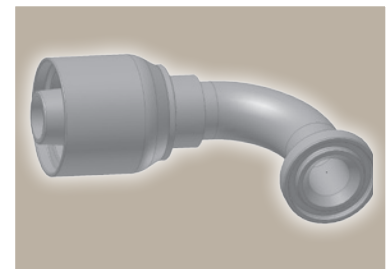
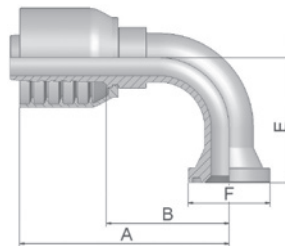
ISO 12151-3-S-L – SFL
(21.0 MPa/ 3000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	F mm
	DN	Inch	Size	mm				
11570-12-12C	19	3/4	-12	19.1	3/4	98	59	38
11570-16-12C	19	3/4	-12	19.1	1	70	30	45
11570-16-16C	25	1	-16	25.4	1	110	63	45
11570-20-16C	25	1	-16	25.4	1 1/4	83	36	51

19 ISO 6162-1-Flange 90° Elbow

ISO 12151-3 – E– L – SFL 90°
(21.0 MPa/ 3000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
11970-12-12C	19	3/4	-12	19.1	3/4	89	50	58	38
11970-16-12C	19	3/4	-12	19.1	1	89	50	58	45
11970-16-16C	25	1	-16	25.4	1	111	64	70	45
11970-20-16C	25	1	-16	25.4	1 1/4	115	68	70	51

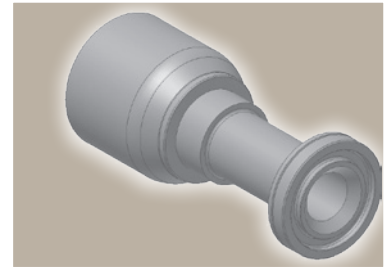
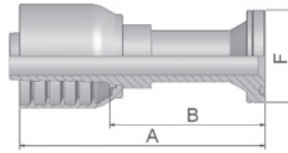
Approved **fitting series** for hose types:

Also available in steel. Details can be found in catalogue C4400/UK.

70 371LT | 372 | 372TC | 372RH | 701

6A ISO 6162-2-Flange Straight

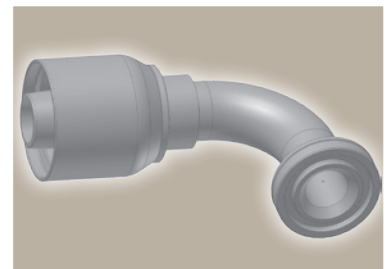
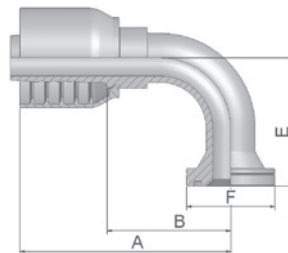
ISO 12151-3-S-S – SFS
(42.0 MPa/ 6000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	F mm
	DN	Inch	Size	mm				
16A70-8-8C	12	1/2	-8	12.7	1/2	89	54	32
16A70-12-12C	19	3/4	-12	19.1	3/4	105	65	41
16A70-16-12C	19	3/4	-12	19.1	1	79	39	48
16A70-16-16C	25	1	-16	25.4	1	124	77	48
16A70-20-16C	25	1	-16	25.4	1 1/4	99	47	54

6N ISO 6162-2-Flange 90° Elbow

ISO 12151-3 – E-S – SFS 90°
(42.0 MPa/ 6000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
16N70-8-8C	12	1/2	-8	12.7	1/2	74	39	41	32
16N70-12-12C	19	3/4	-12	19.1	3/4	98	58	54	41
16N70-12-16C	25	1	-16	25.4	3/4	99	54	70	41
16N70-16-16C	25	1	-16	25.4	1	111	64	70	48

Approved **fitting series** for hose types:

Also available in steel. Details can be found in catalogue C4400/UK.

70 371LT 372 372TC 372RH 701

DIN – Metric

Page Dc-1 – Dc-2

CA
Dc-1
**Female Metric 24°
Light Series with O-Ring
Swivel – Straight**
ISO 12151-2-SWS-L – DKOL



C9
Dc-1
**Female Metric 24° – Swivel
Heavy Series with O-Ring
Straight**
ISO 12151-2-SWS-S – DKOS



OC
Dc-2
**Female Metric 24° – Swivel
Heavy Series with O-Ring
45° Elbow**
ISO 12151-2 – SWE-S – DKOS 45°



1C
Dc-2
**Female Metric 24° – Swivel
Heavy Series with O-Ring
90° Elbow**
ISO 12151-2-SWE-S – DKOS 90°



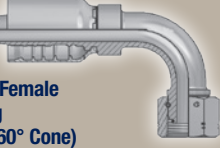
BSP

Page Dc-3

EA
Dc-3
**BSP Swivel Female
with O-Ring (60° Cone)**
BS 5200 – ISO 12151-6 – DKOR



EC
Dc-3
**BSP Swivel Female
with O-Ring
90° Elbow (60° Cone)**
BS 5200 – ISO 12151-6 – DKOR 90°



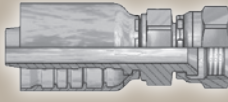
SAE

Page Dc-4 – Dc-5

01
Dc-4
**Male NPTF Pipe
Rigid – Straight**
SAE J476A / J516 – AGN



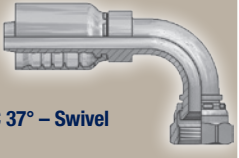
06
Dc-4
**Female JIC 37° – Swivel
Straight**
ISO 12151-5-SWS – DKJ



37
Dc-5
**Female JIC 37° – Swivel
45° Elbow**
ISO 12151-5-SWE 45° – DKJ 45°



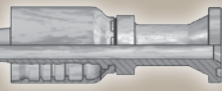
39
Dc-5
**Female JIC 37° – Swivel
90° Elbow**
ISO 12151-5-SWES – DKJ 90°



Flange

Page Dc-6 – Dc-8

4A
Dc-6
**ISO 6162-1-Flange
Straight**
ISO 12151-3-S-S-L – SFL (35.0 MPa/ 5000 psi)



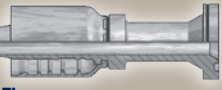
4F
Dc-6
**ISO 6162-1-Flange
45° Elbow**
ISO 12151-3 – E45S – L – SFL 45°
(35.0 MPa/ 5000 psi)



4N
Dc-7
**ISO 6162-1-Flange
90° Elbow**
ISO 12151-3-E-L – SFL 90°
(35.0 MPa/ 5000 psi)



6A
Dc-7
**ISO 6162-2-Flange
Straight**
ISO 12151-3-S-S – SFS
(42.0 MPa/ 6000 psi)



6F
Dc-8
**ISO 6162-2-Flange
45° Elbow – Heavy Series**
ISO 12151-3 – E45-S – SFS 45°
(42.0 MPa/ 6000 psi)



6N
Dc-8
**ISO 6162-2-Flange
90° Elbow**
ISO 12151-3 – E-S – SFS 90°
(42.0 MPa/ 6000 psi)



Hose Fittings Pressure Ratings

Fitting end connection	Description	Metric tube (mm) • Light series – L									
		Maximum working pressure (MPa) – design factor 4:1									
		6	8	10	12	15	18	22	28	35	42
CA	ISO 12151-2 swivel female with O-ring	31.5	42.5	40.0	35.0	31.5	31.5	28.0	21.0	16.0	16.0

Fitting end connection	Description	Metric tube (mm) • Heavy series – S									
		Maximum working pressure (MPa) – design factor 4:1									
		6	8	10	12	14	16	20	25	30	38
C9, 0C, 1C	ISO 12151-2 swivel female with O-ring	63.0	63.0	63.0	63.0	63.0	42.0	42.0	42.0	42.0	42.0

Fitting end connection	Description	Inch fittings (size)											
		Maximum working pressure (MPa) – design factor 4:1											
		-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	-40	-48
EA, EC	BSP swivel female with O-ring	45.0		45.0	42.0	42.0	42.0	42.0	35.0	30.0	25.0		
06, 37, 39	SAE (JIC) 37° swivel female	41.0	41.0	35.0	35.0	35.0	35.0	28.0	21.0	17.5	17.5		
15, 17, 19	ISO 6162-1-Flange (35.0 MPa/ 3000 psi)				35.0		35.0	35.0	35.0	35.0	35.0		
4A, 4N, 4F	ISO 6162-1-Flange (35.0 MPa/ 5000 psi)								35.0	35.0	35.0		
6F, 6N	ISO 6162-2-Flange (42.0 MPa/ 6000 psi)				42.0		42.0	42.0	42.0	42.0	42.0		
6A	ISO 6162-2 Flange (42.0 MPa/ 6000 psi)				42.0		42.0	42.0	42.0	42.0	42.0	35.0*	21.0* 35.0**

* Dynamic hydraulic application
** Static applications according to ISO 6807-D

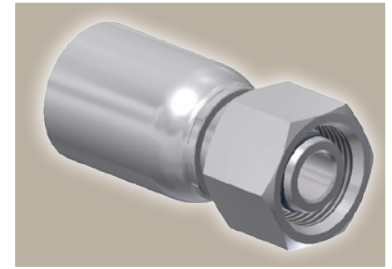
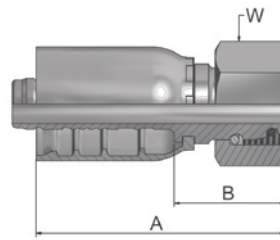
Fitting end connection	Description	Inch fittings (size)										
		Maximum working pressure (MPa) – design factor 4:1										
		-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	
01	NPTF male	83.0		69.0	69.0		52.0	45.0	35.0	21.0	17.5	

Further end-configurations available on request.

Information about standard products or non-standard products can be found in the current price list.
Technical changes reserved.

CA Female Metric 24° Light Series with O-Ring Swivel – Straight

ISO 12151-2-SWS-L – DKOL

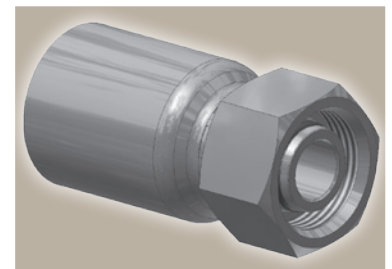
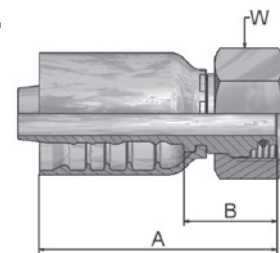


Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
1CA77-15-8C	12	1/2	-8	12.7	M22x1.5	15	63	28	27
1CA77-18-12C	19	3/4	-12	19.1	M26x1.5	18	73	27	32
1CA77-22-12C	19	3/4	-12	19.1	M30x2	22	73	27	36
1CA77-28-16C	25	1	-16	25.4	M36x2	28	89	35	41
1CA77-35-20C	31	1 1/4	-20	31.8	M45x2	35	100	37	50

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

C9 Female Metric 24° – Swivel Heavy Series with O-Ring Straight

ISO 12151-2-SWS-S – DKOS



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
1C977-16-8C	12	1/2	-8	12.7	M24x1.5	16	60	25	30
1C977-20-12C	19	3/4	-12	19.1	M30x2	20	76	30	36
1C977-25-12C	19	3/4	-12	19.1	M36x2	25	76.6	30.6	46
1C977-30-16C	25	1	-16	25.4	M42x2	30	89	35	50
1C977-30-20C	31	1 1/4	-20	31.8	M42x2	30	102	39	50
1C977-38-20C	31	1 1/4	-20	31.8	M52x2	38	100	36	60

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

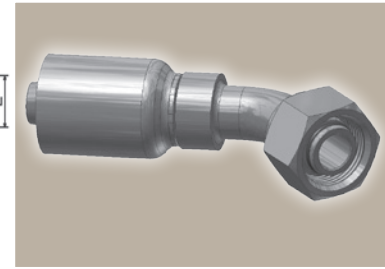
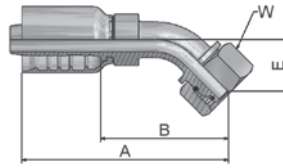
Approved **fitting series** for hose types:

77 387* | 387TC* | 387ST* | 487* | 487TC* | 487ST* | 787TC | 797TC

* size -20, -24 and -32

0C Female Metric 24° – Swivel Heavy Series with O-Ring 45° Elbow

ISO 12151-2 – SWE -S – DKOS 45°

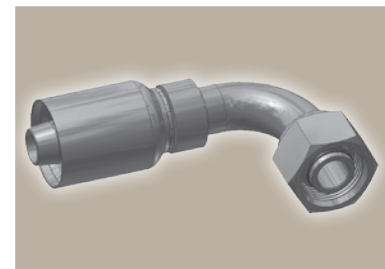
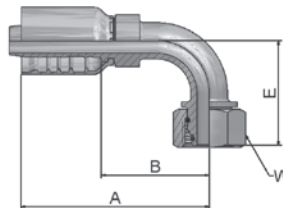


Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
10C77-16-8C	12	1/2	-8	12.7	M24x1.5	16	83	49	24	30
10C77-20-12C	19	3/4	-12	19.1	M30x2	20	120	74	30	36
10C77-25-12C	19	3/4	-12	19.1	M36x2	25	119	73	29	46
10C77-30-16C	25	1	-16	25.4	M42x2	30	142	88	33	50
10C77-38-20C	31	1 1/4	-20	31.8	M52x2	38	161	97	37	60

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

1C Female Metric 24° – Swivel Heavy Series with O-Ring 90° Elbow

ISO 12151-2-SWE-S – DKOS 90°



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
11C77-16-8C	12	1/2	-8	12.7	M24x1.5	16	77	42	45	30
11C77-20-12C	19	3/4	-12	19.1	M30x2	20	108	62	60	36
11C77-25-12C	19	3/4	-12	19.1	M36x2	25	108	62	59	46
11C77-30-16C	25	1	-16	25.4	M42x2	30	131	77	69	50
11C77-30-20C	31	1 1/4	-20	31.8	M42x2	30	145	82	73	50
11C77-38-20C	31	1 1/4	-20	31.8	M52x2	38	151	87	78	60

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

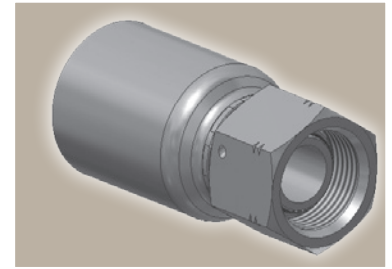
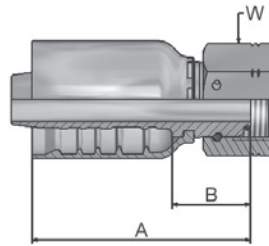
Approved **fitting series** for hose types:

77	387*	387TC*	387ST*	487*	487TC*	487ST*	787TC	797TC
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* size -20, -24 and -32

EA BSP Swivel Female with O-Ring (60° Cone)

BS 5200 – ISO 12151-6 – DKOR

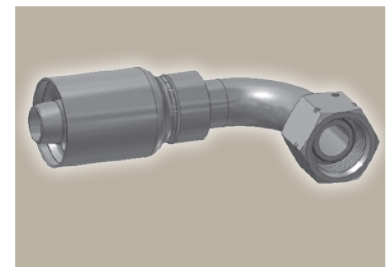
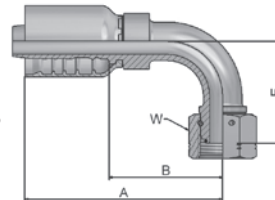


Part Number	Hose I.D.				Thread BSP	A mm	B mm	W mm
	DN	Inch	Size	mm				
1EA77-12-12C	19	3/4	-12	19.1	3/4x14	72	26	32

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C. Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

EC BSP Swivel Female with O-Ring 90° Elbow (60° Cone)

BS 5200 – ISO 12151-6 – DKOR 90°



Part Number	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1EC77-12-12C	19	3/4	-12	19.1	3/4x14	108	62	55	32

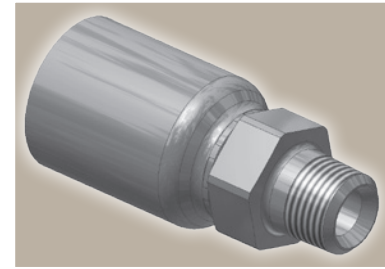
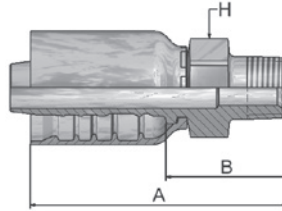
Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C. Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

Approved **fitting series** for hose types:

77	387*	387TC*	387ST*	487*	487TC*	487ST*	787TC	797TC
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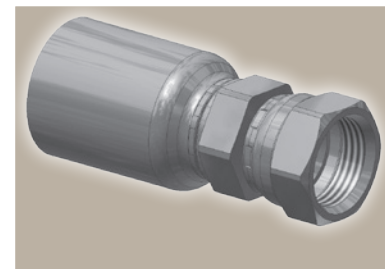
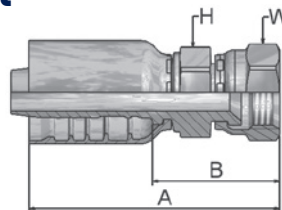
* size -20, -24 and -32

01 **Male NPTF Pipe
Rigid – Straight**
SAE J476A / J516 – AGN



Part Number	Hose I.D.				Thread NPTF	A mm	B mm	H mm
	DN	Inch	Size	mm				
10177-20-20C	31	1 1/4	-20	31.8	1 1/4x11	116	53	46

06 **Female JIC 37° – Swivel
Straight**
ISO12151-5-SWS – DKJ



Part Number	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
10677-12-12C	19	3/4	-12	19.1	1 1/16x12	99	53	30	36
10677-16-16C	25	1	-16	25.4	1 5/16x12	106	52	36	41
10677-20-20C	31	1 1/4	-20	31.8	1 5/8 12	129	65	46	50
10677-24-24C	38	1 1/2	-24	38.1	1 7/8 12	141	74	50	65

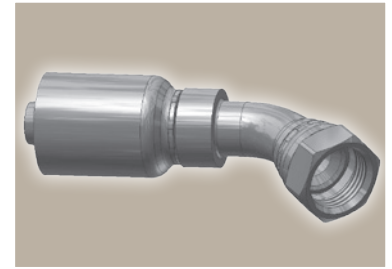
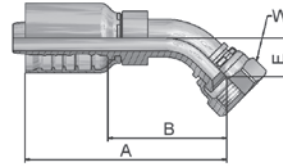
Approved **fitting series** for hose types:

77	387*	387TC*	387ST*	487*	487TC*	487ST*	787TC	797TC
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* size -20, -24 and -32

37 Female JIC 37° – Swivel 45° Elbow

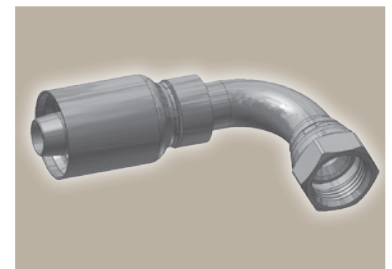
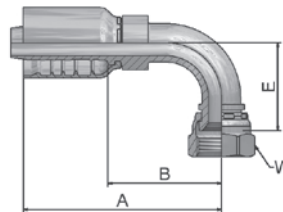
ISO 12151-5-SWE 45° – DKJ 45°



Part Number	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
13777-8-8C	12	1/2	-8	12.7	3/4x16	73	38	15	22
13777-12-12C	19	3/4	-12	19.1	1 1/16x12	113	67	23	36
13777-16-16C	25	1	-16	25.4	1 5/16x12	135	81	26	41
13777-24-24C	38	1 1/2	-24	38.1	1 7/8x12	204	137	61	65

39 Female JIC 37° – Swivel 90° Elbow

ISO 12151-5-SWES – DKJ 90°



Part Number	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
13977-8-8C	12	1/2	-8	12.7	3/4x16	71	36	29	22
13977-12-12C	19	3/4	-12	19.1	1 1/16x12	108	62	50	36
13977-16-16C	25	1	-16	25.4	1 5/16x12	131	77	74	41
13977-20-20C	31	1 1/4	-20	31.8	1 5/8 12	148	88	78	50
13977-24-24C	38	1 1/2	-24	38.1	1 7/8x12	175	108	106	65

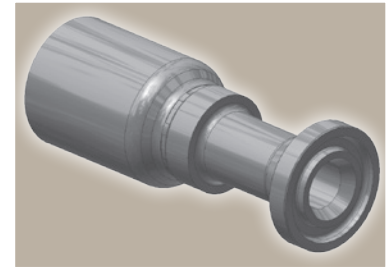
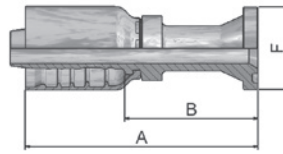
Approved **fitting series** for hose types:

77 387* | 387TC* | 387ST* | 487* | 487TC* | 487ST* | 787TC | 797TC

* size -20, -24 and -32

15/4A ISO 6162-1-Flange Straight

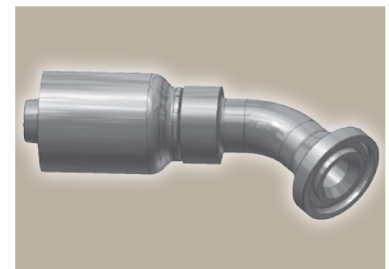
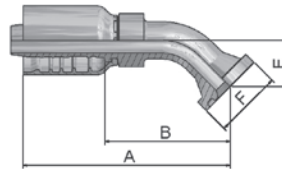
ISO 12151-3-S-L – SFL
(35.0 MPa/ 5000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	F mm
	DN	Inch	Size	mm				
11577-8-8C	12	1/2	-8	12.7	1/2	90	55	30
11577-12-12C	19	3/4	-12	19.1	3/4	107	62	38
11577-16-16C	25	1	-16	25.4	1	119	65	45
14A77-20-20C	31	1 1/4	-20	31.8	1 1/4	138	74	51
14A77-24-24C	38	1 1/2	-24	38.1	1 1/2	140	73	60
14A77-32-32C	51	2	-32	50.8	2	164	86	71

17/4F ISO 6162-1-Flange 45° Elbow

ISO 12151-3 – E45S – L – SFL 45°
(35.0 MPa/ 5000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
11777-8-8C	12	1/2	-8	12.7	1/2	79	45	20	30
11777-12-12C	19	3/4	-12	19.1	3/4	116	70	26	38
11777-16-16C	25	1	-16	25.4	1	141	87	32	45
14F77-20-20C	31	1 1/4	-20	31.8	1 1/4	162	99	38	51
14F77-24-24C	38	1 1/2	-24	38.1	1 1/2	187	120	44	60
14F77-32-32C	51	2	-32	50.8	2	227	149	56	71

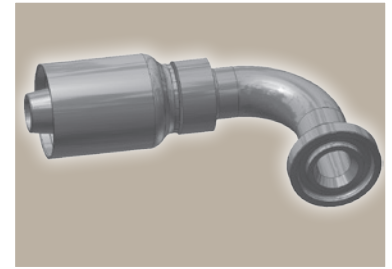
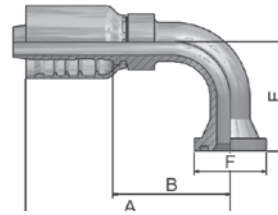
Approved **fitting series** for hose types:

77 387* 387TC* 387ST* 487* 487TC* 487ST* 787TC 797TC

* size -20, -24 and -32

19/4N ISO 6162-1-Flange 90° Elbow

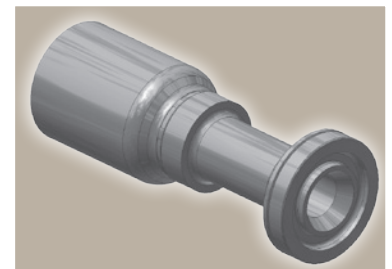
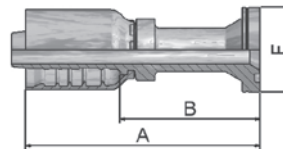
ISO 12151-3-E-L – SFL 90°
(35.0 MPa/ 5000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
11977-8-8C	12	1/2	-8	12.7	1/2	76	41	41	30
11977-12-12C	19	3/4	-12	19.1	3/4	108	62	58	38
11977-16-16C	25	1	-16	25.4	1	131	77	70	45
14N77-20-20C	31	1 1/4	-20	31.8	1 1/4	151	87	90	51
14N77-24-24C	38	1 1/2	-24	38.1	1 1/2	175	108	104	60
14N77-32-32C	51	2	-32	50.8	2	221	144	138	71

6A ISO 6162-2-Flange Straight

ISO 12151-3-S-S – SFS
(42.0 MPa/ 6000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	F mm
	DN	Inch	Size	mm				
16A77-12-12C	19	3/4	-12	19.1	3/4	114	68	41
16A77-16-16C	25	1	-16	25.4	1	113	59	48
16A77-20-20C	31	1 1/4	-20	31.8	1 1/4	146	82	54
16A77-24-24C	38	1 1/2	-24	38.1	1 1/2	162	96	64
16A77-32-32C	51	2	-32	50.8	2	182	105	79

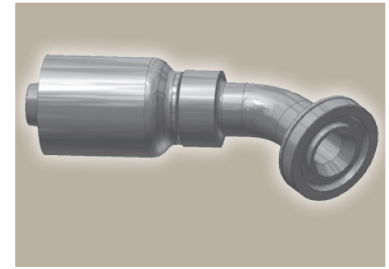
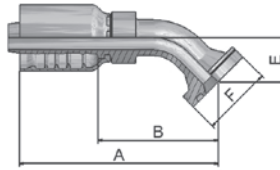
Approved **fitting series** for hose types:

77 387* | 387TC* | 387ST* | 487* | 487TC* | 487ST* | 787TC | 797TC

* size -20, -24 and -32

6F ISO 6162-2-Flange 45° Elbow – Heavy Series

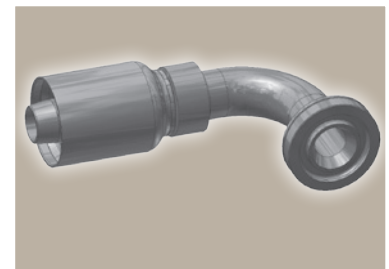
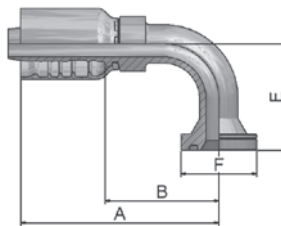
ISO 12151-3 – E45-S – SFS 45°
(42.0 MPa/ 6000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
16F77-12-12C	19	3/4	-12	19.1	3/4	116.2	70	26	41
16F77-16-16C	25	1	-16	25.4	1	141	87	32	48
16F77-20-20C	31	1 1/4	-20	31.8	1 1/4	162	99	38	54
16F77-24-24C	38	1 1/2	-24	38.1	1 1/2	182	115	44	64
16F77-32-32C	51	2	-32	50.8	2	211	134	56	79

6N ISO 6162-2-Flange 90° Elbow

ISO 12151-3 – E-S – SFS 90°
(42.0 MPa/ 6000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
16N77-12-12C	19	3/4	-12	19.1	3/4	108	62	58	41
16N77-16-16C	25	1	-16	25.4	1	131	77	70	48
16N77-20-20C	31	1 1/4	-20	31.8	1 1/4	151	87	90	54
16N77-24-24C	38	1 1/2	-24	38.1	1 1/2	175	108	104	64
16N77-32-32C	51	2	-32	50.8	2	206	129	138	79

Approved **fitting series** for hose types:

77 | 387* | 387TC* | 387ST* | 487* | 487TC* | 487ST* | 787TC | 797TC

* size -20, -24 and -32

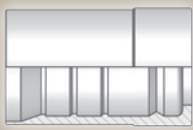
Shell

Page Dd-1

V4

Dd-1

**Interlock
In-/Outside Skive**
4 Wire Hoses



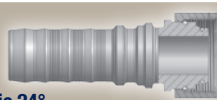
DIN – Metric

Page Dd-2 – Dd-3

CA

Dd-2

**Female Metric 24°
Light Series with O-Ring
Swivel – Straight**
ISO 12151-2-SWS-L – DKOL



C9

Dd-2

**Female Metric 24° – Swivel
Heavy Series with O-Ring
Straight**
ISO 12151-2-SWS-S – DKOS



1C

Dd-3

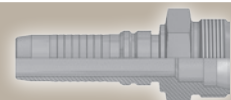
**Female Metric 24° – Swivel
Heavy Series with O-Ring
90° Elbow**
ISO 12151-2-SWE-S – DKOS 90°



D2

Dd-3

**Male Metric 24° – Rigid
Heavy Series – Straight**
ISO 12151-2-S-S – CES



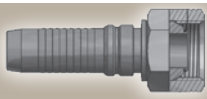
BSP

Page Dd-4 – Dd-5

EA

Dd-4

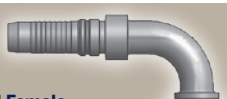
**BSP Swivel Female
with O-Ring (60° Cone)**
BS 5200 – ISO 12151-6 – DKOR



EC

Dd-4

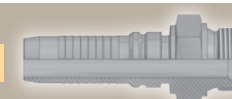
**BSP Swivel Female
with O-Ring
90° Elbow (60° Cone)**
BS 5200 – ISO 12151-6 – DKOR 90°



D9

Dd-5

**Male BSP Parallel Pipe
Rigid – Straight (60° Cone)**
BS5200 – AGR



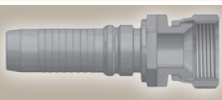
SAE

Page Dd-6

06

Dd-6

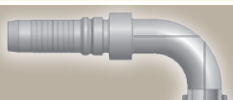
**Female JIC 37° – Swivel
Straight**
ISO12151-5-SWS – DKJ



39

Dd-6

**Female JIC 37° – Swivel
90° Elbow**
ISO 12151-5-SWES – DKJ 90°



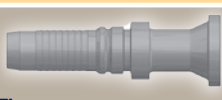
Flange

Page Dd-7 – Dd-9

15/4A

Dd-7

**ISO 6162-1-Flange
Straight**
ISO 12151-3-S-L – SFL
(35.0 MPa/ 5000 psi)



17/4F

Dd-7

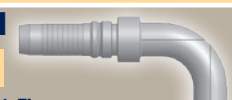
**ISO 6162-1-Flange
45° Elbow**
ISO 12151-3 – E45S – L – SFL 45°
(35.0 MPa/ 5000 psi)



19/4N

Dd-8

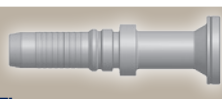
**ISO 6162-1-Flange
90° Elbow**
ISO 12151-3-E-L – SFL 90°
(35.0 MPa/ 5000 psi)



6A

Dd-8

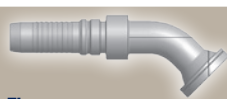
**ISO 6162-2-Flange
Straight**
ISO 12151-3-S-S – SFS
(42.0 MPa/ 6000 psi)



6F

Dd-9

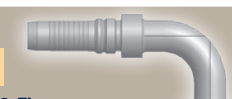
**ISO 6162-2-Flange
45° Elbow – Heavy Series**
ISO 12151-3 – E45-S – SFS 45°
(42.0 MPa/ 6000 psi)



6N

Dd-9

**ISO 6162-2-Flange
90° Elbow**
ISO 12151-3 – E-S – SFS 90°
(42.0 MPa/ 6000 psi)



Hose Fittings Pressure Ratings

Fitting end connection	Description	Metric tube (mm) • Light series – L									
		Maximum working pressure (MPa) – design factor 4:1									
		6	8	10	12	15	18	22	28	35	42
CA	ISO 12151-2 swivel female with O-ring	31.5	42.5	40.0	35.0	31.5	31.5	28.0	21.0	16.0	16.0

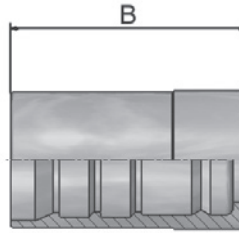
Fitting end connection	Description	Metric tube (mm) • Heavy series – S									
		Maximum working pressure (MPa) – design factor 4:1									
		6	8	10	12	14	16	20	25	30	38
C9, 1C	ISO 12151-2 swivel female with O-ring	63.0	63.0	63.0	63.0	63.0	42.0	42.0	42.0	42.0	42.0
D2	Male stud	63.0	63.0	63.0	63.0	63.0	42.0	42.0	42.0	42.0	42.0

Fitting end connection	Description	Inch fittings (size)									
		Maximum working pressure (MPa) – design factor 4:1									
		-4	-5	-6	-8	-10	-12	-16	-20	-24	-32
EA, EC	BSP swivel female with O-ring	40.0		40.0	35.0	35.0	31.5	25.0	20.0	16.0	12.5
D9	BSP male	63.0		55.0	43.0		35.0	28.0	25.0	21.0	21.0
06, 39	SAE (JIC) 37° swivel female	41.0	41.0	34.5	34.5	34.5	34.5	27.5	20.0	17.0	17.0
15, 17, 19	ISO 6162-1-Flange (21.0 MPa/ 3000 psi)				35.0	35.0	35.0	35.0	28.0	28.0	21.0
4A, 4N, 4F	ISO 6162-1-Flange (35.0 MPa/ 5000 psi)								35.0	35.0	35.0
6A, 6F, 6N	ISO 6162-2-Flange (42.0 MPa/ 6000 psi)				41.0		41.0	41.0	41.0	41.0	41.0


Further end-configurations available on request.

Information about standard products or non-standard products can be found in the current price list.
Technical changes reserved.

V4 **Interlock
In-/Outside Skive**
4 Wire Hoses



Only for use with adjustable crimpers.
Minimum of 320 tons crimping force recommended!

Part Number	 Hose I.D.				B mm
	DN	Inch	Size	mm	
100V4-10C	16	5/8	-10	15.9	49
100V4-12C	19	3/4	-12	19.1	60
100V4-16C	25	1	-16	25.4	75
100V4-20C *	31	1 1/4	-20	31.8	88
100V4-24C *	38	1 1/2	-24	38.1	94
100V4-32C *	551	2	-32	50.8	99

* not suitable for R42, R42TC and R42ST

V4 Series

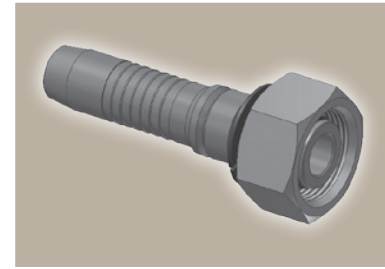
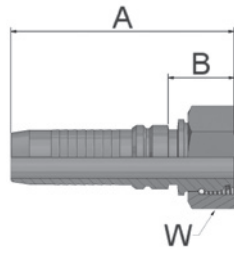
Approved **fitting series** for hose types:

Also available in steel. Details can be found in CAT 4400/UK

V4 H29 H29ST H29TC R42 R42ST R42TC

CA Female Metric 24° Light Series with O-Ring Swivel – Straight

ISO 12151-2-SWS-L – DKOL

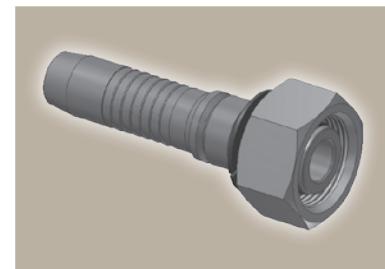
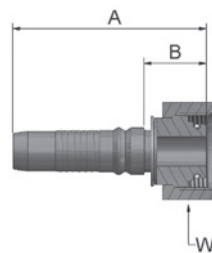


Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
KCAV4-22-12C	19	3/4	-12	19.1	M30x2	22	89	28	36
KCAV4-28-16C	25	1	-16	25.4	M36x2	28	103	31	41
KCAV4-35-20C	31	1 1/4	-20	31.8	M45x2	35	120	32	50
KCAV4-42-24C	38	1 1/2	-24	38.1	M52x2	42	128	35	60

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

C9 Female Metric 24° – Swivel Heavy Series with O-Ring Straight

ISO 12151-2-SWS-S – DKOS



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
KC9V4-20-10C	16	5/8	-10	15.9	M30x2	20	87	27	36
KC9V4-20-12C	19	3/4	-12	19.1	M30x2	20	89	27	36
KC9V4-25-12C	19	3/4	-12	19.1	M36x2	25	91	30.3	46
KC9V4-25-16C	25	1	-16	25.4	M36x2	25	103	30	46
KC9V4-30-16C	25	1	-16	25.4	M42x2	30	108	35	50
KC9V4-38-20C	31	1 1/4	-20	31.8	M52x2	38	126	38	60

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

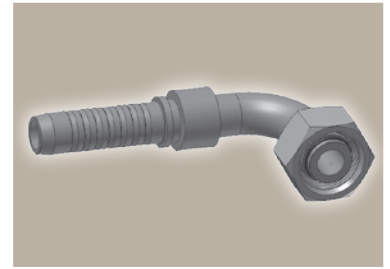
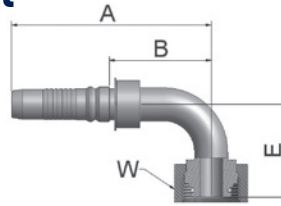
Approved **fitting series** for hose types:

Also available in steel. Details can be found in CAT 4400/UK

V4 H29 H29ST H29TC R42 R42ST R42TC

1C Female Metric 24° – Swivel Heavy Series with O-Ring 90° Elbow

ISO 12151-2-SWE-S – DKOS 90°

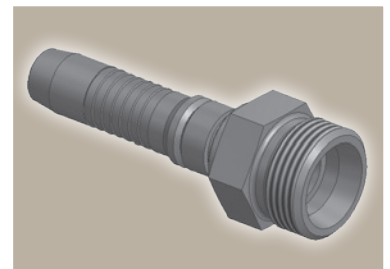
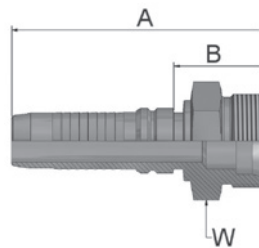


Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
K1CV4-20-10C	16	5/8	-10	15.9	M30x2	20	112	52	50	36
K1CV4-25-12C	19	3/4	-12	19.1	M36x2	25	126	64	59	46
K1CV4-25-16C	25	1	-16	25.4	M36x2	25	150	77	69	46
K1CV4-30-16C	25	1	-16	25.4	M42x2	30	151	78	69	50
K1CV4-38-20C	31	1 1/4	-20	31.8	M52x2	38	187	98.7	78	60

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C. Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

D2 Male Metric 24° – Rigid Heavy Series – Straight

ISO 12151-2-S-S – CES



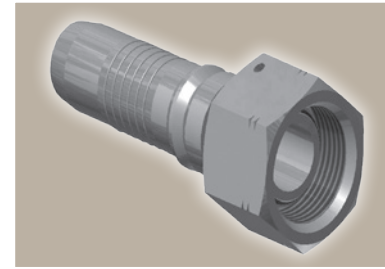
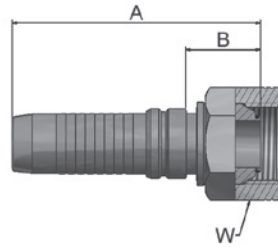
Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	H mm
	DN	Inch	Size	mm					
KD2V4-25-12C	19	3/4	-12	19.1	M36x2	25	98	36.3	36
KD2V4-30-16C	25	1	-16	25.4	M42x2	30	115	41.7	46
KD2V4-38-20C	31	1 1/4	-20	31.8	M52x2	38	135	46.7	55

Approved **fitting series** for hose types:

Also available in steel. Details can be found in CAT 4400/UK

V4 H29 H29ST H29TC R42 R42ST R42TC

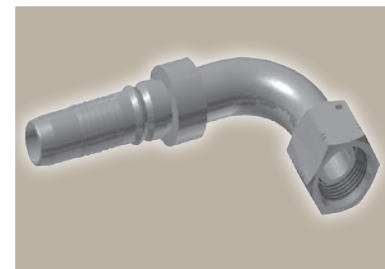
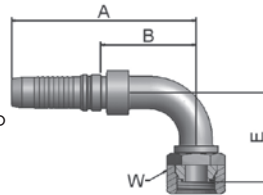
EA **BSP Swivel Female
with O-Ring (60° Cone)**
BS 5200 – ISO 12151-6 – DKOR



Part Number	Hose I.D.				Thread BSP	A mm	B mm	W mm
	DN	Inch	Size	mm				
KEAV4-12-12C	19	3/4	-12	19.1	3/4x14	84	22	32
KEAV4-16-16C	25	1	-16	25.4	1x11	104	31	41
KEAV4-20-20C	31	1 1/4	-20	31.8	1 1/4x11	117	29	50

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

EC **BSP Swivel Female
with O-Ring
90° Elbow (60° Cone)**
BS 5200 – ISO 12151-6 – DKOR 90°



Part Number	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
KECV4-12-12C	19	3/4	-12	19.1	3/4x14	125	63	55	32
KECV4-16-16C	25	1	-16	25.4	1x11	150	77	72	41
KECV4-20-20C	31	1 1/4	-20	31.8	1 1/4x11	186	98	75	50

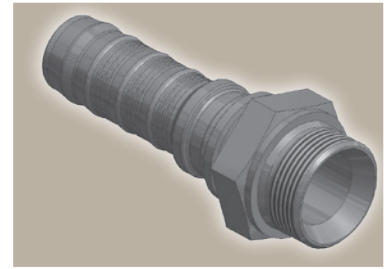
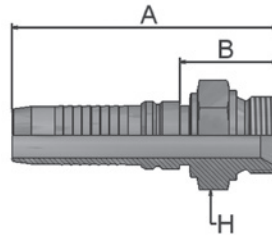
Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

Approved **fitting series** for hose types:

Also available in steel. Details can be found in CAT 4400/UK

V4 H29 H29ST H29TC R42 R42ST R42TC

D9 **Male BSP Parallel Pipe
Rigid – Straight (60° Cone)**
BS5200 – AGR



Part Number	Hose I.D.				Thread BSP	A mm	B mm	H mm
	DN	Inch	Size	mm				
KD9V4-12-12C	19	3/4	-12	19.1	3/4x14	99	37.3	32
KD9V4-16-16C	25	1	-16	25.4	1x11	115	42.7	41

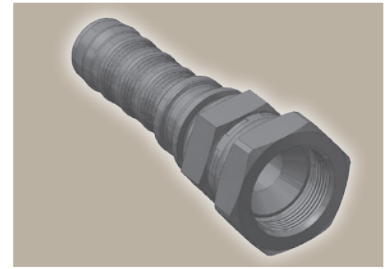
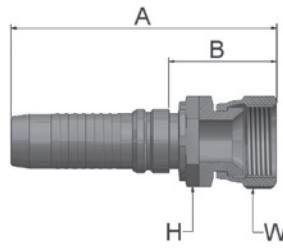
Approved **fitting series** for hose types:

Also available in steel. Details can be found in CAT 4400/UK

V4 H29 H29ST H29TC R42 R42ST R42TC

06 Female JIC 37° – Swivel Straight

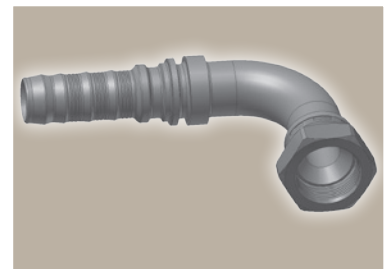
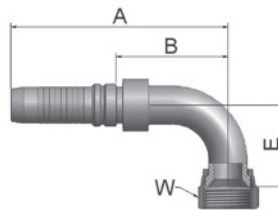
ISO12151-5-SWS – DKJ



Part Number	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
K06V4-12-12C	19	3/4	-12	19.1	1 1/16x12	110	49	30	36
K06V4-16-16C	25	1	-16	25.4	1 5/16x12	125	53	36	46
K06V4-20-20C	31	1 1/4	-20	31.8	1 5/8x12	151	60	46	50

39 Female JIC 37° – Swivel 90° Elbow

ISO 12151-5-SWES – DKJ 90°



Part Number	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
K39V4-12-12C	19	3/4	-12	19.1	1 1/16x12	125	63	50	36
K39V4-16-16C	25	1	-16	25.4	1 5/16x12	150	77	59	46
K39V4-20-20C	31	1 1/4	-20	31.8	1 5/8x12	186	98	88	60

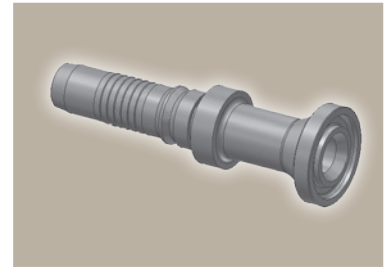
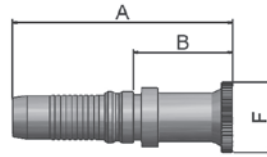
Approved **fitting series** for hose types:

Also available in steel. Details can be found in CAT 4400/UK

V4 H29 H29ST H29TC R42 R42ST R42TC

15/4A ISO 6162-1-Flange Straight

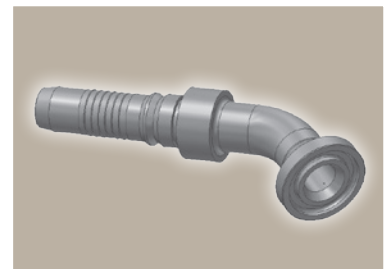
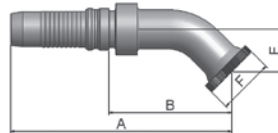
ISO 12151-3-S-L – SFL
(35.0 MPa/ 5000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	F mm
	DN	Inch	Size	mm				
K15V4-12-12C	19	3/4	-12	19.1	3/4	119	58	38
K15V4-16-12C	19	3/4	-12	19.1	1	100	38.3	45
K15V4-16-16C	25	1	-16	25.4	1	133	61	45
K4AV4-20-16C	25	1	-16	25.4	1 1/4	101	28	51
K4AV4-20-20C	31	1 1/4	-20	31.8	1 1/4	160	72	51
K4AV4-24-20C	31	1 1/4	-20	31.8	1 1/2	126	38.7	60
K4AV4-24-24C	38	1 1/2	-24	38.1	1 1/2	190	97	60
K4AV4-32-24C	38	1 1/2	-24	38.1	2	149	56	71
K4AV4-32-32C	51	2	-32	50.8	2	189	92	71

17/4F ISO 6162-1-Flange 45° Elbow

ISO 12151-3 – E45S – L – SFL 45°
(35.0 MPa/ 5000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
K17V4-12-12C	19	3/4	-12	19.1	3/4	133	72	26	38
K17V4-16-12C	19	3/4	-12	19.1	1	133	72	26	45
K17V4-16-16C	25	1	-16	25.4	1	160	87	32	45
K4FV4-20-16C	25	1	-16	25.4	1 1/4	160	87	32	51
K4FV4-20-20C	31	1 1/4	-20	31.8	1 1/4	198	109.7	38	51
K4FV4-24-20C	31	1 1/4	-20	31.8	1 1/2	198	109.7	38	60
K4FV4-24-24C	38	1 1/2	-24	38.1	1 1/2	222	128.9	44	60
K4FV4-32-24C	38	1 1/2	-24	38.1	2	222	128.9	44	71

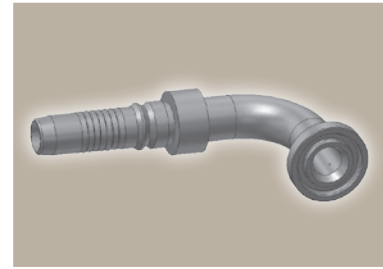
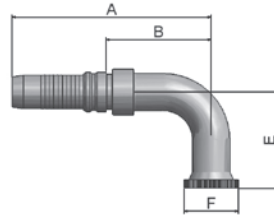
Approved **fitting series** for hose types:

V4 H29 H29ST H29TC R42 R42ST R42TC

Also available in steel. Details can be found in CAT 4400/UK

19/4N ISO 6162-1-Flange 90° Elbow

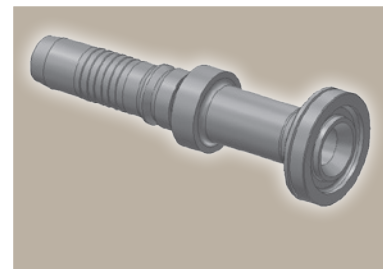
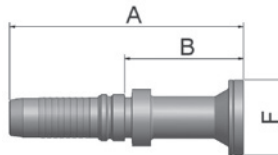
ISO 12151-3-E-L – SFL 90°
(35.0 MPa/ 5000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
K19V4-12-12C	19	3/4	-12	19.1	3/4	125	63.3	58	38
K19V4-16-12C	19	3/4	-12	19.1	1	125	63.3	58	45
K19V4-16-16C	25	1	-16	25.4	1	150	77.7	70	45
K4NV4-20-16C	25	1	-16	25.4	1 1/4	150	77	69	51
K4NV4-20-20C	31	1 1/4	-20	31.8	1 1/4	186	98.2	90	51
K4NV4-24-20C	31	1 1/4	-20	31.8	1 1/2	186	98	90	60
K4NV4-24-24C	38	1 1/2	-24	38.1	1 1/2	210	116.9	104	60
K4NV4-32-24C	38	1 1/2	-24	38.1	2	210	116.9	104	71
K4NV4-32-32C	51	2	-32	50.8					

6A ISO 6162-2-Flange Straight

ISO 12151-3-S-S – SFS
(42.0 MPa/ 6000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	F mm
	DN	Inch	Size	mm				
K6AV4-12-12C	19	3/4	-12	19.1	3/4	126	64.4	41
K6AV4-16-12C	19	3/4	-12	19.1	1	100	38	48
K6AV4-16-16C	25	1	-16	25.4	1	148	75	48
K6AV4-20-16C	25	1	-16	25.4	1 1/4	116	44	54
K6AV4-20-20C	31	1 1/4	-20	31.8	1 1/4	166	78	54
K6AV4-24-20C	31	1 1/4	-20	31.8	1 1/2	139	51	64
K6AV4-24-24C	38	1 1/2	-24	38.1	1 1/2	192	99	64
K6AV4-32-24C	38	1 1/2	-24	38.1	2	184	91	79
K6AV4-32-32C	51	2	-32	50.8				

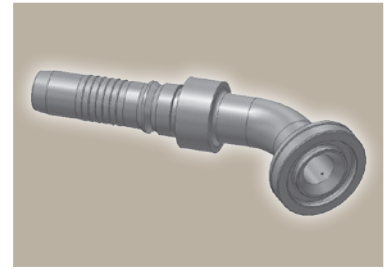
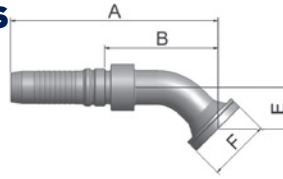
Approved **fitting series** for hose types:

Also available in steel. Details can be found in CAT 4400/UK

V4 H29 H29ST H29TC R42 R42ST R42TC

6F ISO 6162-2-Flange 45° Elbow – Heavy Series

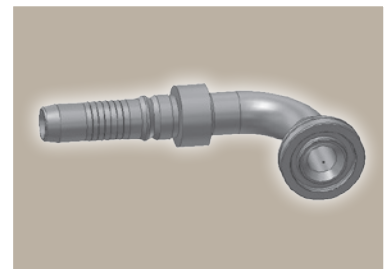
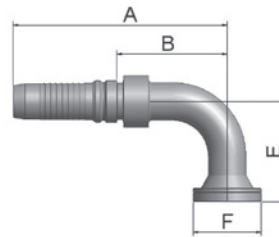
ISO 12151-3 – E45-S – SFS 45°
(42.0 MPa/ 6000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
K6FV4-12-12C	19	3/4	-12	19.1	3/4	133	72	26	41
K6FV4-16-12C	19	3/4	-12	19.1	1	133	71.3	26	48
K6FV4-16-16C	25	1	-16	25.4	1	160	87	32	48
K6FV4-20-16C	25	1	-16	25.4	1 1/4	161	88.7	32	54
K6FV4-20-20C	31	1 1/4	-20	31.8	1 1/4	198	109.7	38	54
K6FV4-24-20C	31	1 1/4	-20	31.8	1 1/2	198	109.7	38	64
K6FV4-24-24C	38	1 1/2	-24	38.1	1 1/2	222	128.9	44	64
K6FV4-32-24C	38	1 1/2	-24	38.1	2	222	128.9	44	79

6N ISO 6162-2-Flange 90° Elbow

ISO 12151-3 – E-S – SFS 90°
(42.0 MPa/ 6000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
K6NV4-12-12C	19	3/4	-12	19.1	3/4	125	63.3	58	41
K6NV4-16-12C	19	3/4	-12	19.1	1	125	63.3	58	48
K6NV4-16-16C	25	1	-16	25.4	1	150	77.7	70	48
K6NV4-20-16C	25	1	-16	25.4	1 1/4	154	81	70	54
K6NV4-20-20C	31	1 1/4	-20	31.8	1 1/4	186	98.7	90	54
K6NV4-24-20C	31	1 1/4	-20	31.8	1 1/2	186	98.7	90	64
K6NV4-24-24C	38	1 1/2	-24	38.1	1 1/2	210	116.9	104	64
K6NV4-32-24C	38	1 1/2	-24	38.1	2	210	116.9	104	79

Approved **fitting series** for hose types:

Also available in steel. Details can be found in CAT 4400/UK

V4 H29 H29ST H29TC R42 R42ST R42TC

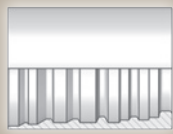
Shell

Page De-1

V6

De-1

Interlock
In-/Outside Skive
6 Wire Hoses



DIN – Metric

Page De-2 – De-3

C9

De-2

Female Metric 24° – Swivel
Heavy Series with O-Ring
Straight

ISO 12151-2-SWS-S – DKOS



0C

De-2

Female Metric 24° – Swivel
Heavy Series with O-Ring
45° Elbow

ISO 12151-2 – SWE-S – DKOS 45°



1C

De-3

Female Metric 24° – Swivel
Heavy Series with O-Ring
90° Elbow

ISO 12151-2-SWE-S – DKOS 90°

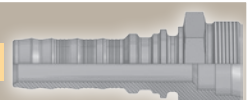


D2

De-3

Male Metric 24° – Rigid
Heavy Series – Straight

ISO 12151-2-S-S – CES



BSP

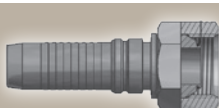
Page De-4 – De-5

EA

De-4

BSP Swivel Female
with O-Ring (60° Cone)

BS 5200 – ISO 12151-6 – DKOR



EC

De-4

BSP Swivel Female
with O-Ring
90° Elbow (60° Cone)

BS 5200 – ISO 12151-6 – DKOR 90°

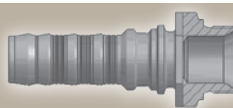


D9

De-5

Male BSP Parallel Pipe
Rigid – Straight (60° Cone)

BS5200 – AGR



SAE

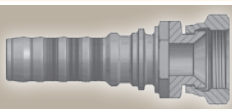
Page De-6 – De-7

06

De-6

Female JIC 37° – Swivel
Straight

ISO 12151-5-SWS – DKJ



37

De-6

Female JIC 37° – Swivel
45° Elbow

ISO 12151-5-SWE 45° – DKJ 45°

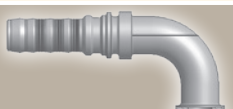


39

De-7

Female JIC 37° – Swivel
90° Elbow

ISO 12151-5-SWES – DKJ 90°



Flange

Page De-8 – De-10

4A

De-8

ISO 6162-1-Flange
Straight

ISO 12151-3-S-L – SFL (35.0 MPa/ 5000 psi)

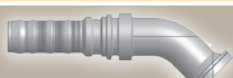


4F

De-8

ISO 6162-1-Flange
45° Elbow

ISO 12151-3 – E45S – L – SFL 45°
(35.0 MPa/ 5000 psi)

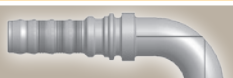


4N

De-9

ISO 6162-1-Flange
90° Elbow

ISO 12151-3-E-L – SFL 90°
(35.0 MPa/ 5000 psi)



6A

De-9

ISO 6162-2-Flange
Straight

ISO 12151-3-S-S – SFS
(42.0 MPa/ 6000 psi)



6F

De-10

ISO 6162-2-Flange
45° Elbow – Heavy Series

ISO 12151-3 – E45-S – SFS 45°
(42.0 MPa/ 6000 psi)

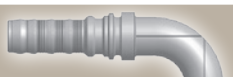


6N

De-10

ISO 6162-2-Flange
90° Elbow

ISO 12151-3 – E-S – SFS 90°
(42.0 MPa/ 6000 psi)



Hose Fittings Pressure Ratings

Fitting end connection	Description	Metric tube (mm) • Heavy series – S									
		Maximum working pressure (MPa) – design factor 4:1									
		6	8	10	12	14	16	20	25	30	38
C9, 0C, 1C	ISO 12151-2 swivel female with O-ring	63.0	63.0	63.0	63.0	63.0	42.0	42.0	42.0	42.0	42.0
D2	Male stud	63.0	63.0	63.0	63.0	63.0	42.0	42.0	42.0	42.0	42.0

Fitting end connection	Description	Inch fittings (size)											
		Maximum working pressure (MPa) – design factor 4:1											
		-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	-40	-48
EA, EC	BSP swivel female with O-ring	40.0		40.0	35.0	35.0	31.5	25.0	20.0	16.0	12.5		
D9	BSP male	63.0		55.0	43.0		35.0	28.0	25.0	21.0	21.0		
06, 37, 39	SAE (JIC) 37° swivel female	41.0	41.0	34.5	34.5	34.5	34.5	27.5	20.0	17.0	17.0		
4A, 4N, 4F	ISO 6162-1-Flange (35.0 MPa/ 5000 psi)								35.0	35.0	35.0		
6F, 6N	ISO 6162-2-Flange (42.0 MPa/ 6000 psi)				41.0		41.0	41.0	41.0	41.0	41.0		
6A	ISO 6162-2-Flange (42.0 MPa/ 6000 psi)				41.0		41.0	41.0	41.0	41.0	41.0	35.0*	21.0* 35.0**

* Dynamic hydraulic application

** Static applications according to ISO 6807-D

Further end-configurations available on request.

Information about standard products or non-standard products can be found in the current price list.
Technical changes reserved.


V6

Interlock In-/Outside Skive

6 Wire Hoses



Only for use with adjustable crimpers.
Minimum of 340 tons crimping force recommended!

Part Number	 Hose I.D.				B mm
	DN	Inch	Size	mm	
100V6-20C	31	1 1/4	-20	31.8	90
100V6-24C	38	1 1/2	-24	38.1	96
100V6-32C	51	2	-32	50.8	110

V6 Series

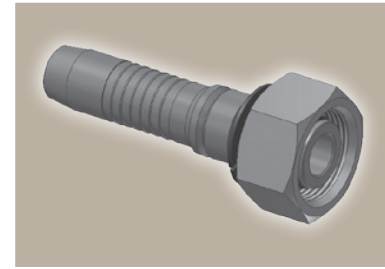
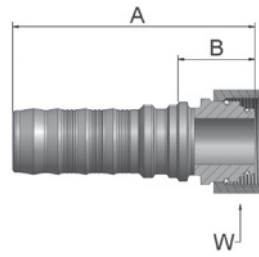
Approved **fitting series** for hose types:

Also available in steel. Details can be found in CAT 4400/UK

V6 R42 R42ST R42TC

C9 Female Metric 24° – Swivel Heavy Series with O-Ring Straight

ISO 12151-2-SWS-S – DKOS

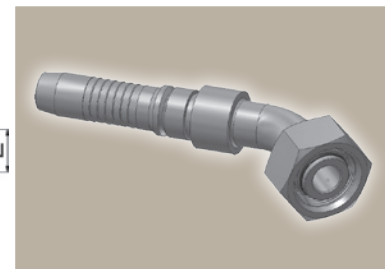
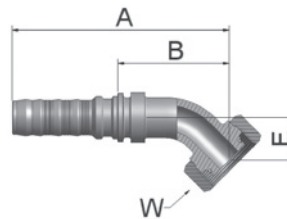


Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
KC9V6-30-20C	31	1 1/4	-20	31.8	M42x2	30	132	42	50
KC9V6-38-20C	31	1 1/4	-20	31.8	M52x2	38	135	44	60
KC9V6-38-24C	38	1 1/2	-24	38.1	M52x2	38	139	43	60

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

OC Female Metric 24° – Swivel Heavy Series with O-Ring 45° Elbow

ISO 12151-2 – SWE -S – DKOS 45°



Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
KOCV6-30-20C	31	1 1/4	-20	31.8	M42x2	30	184	93	34	50
KOCV6-38-20C	31	1 1/4	-20	31.8	M52x2	38	187	96	37	60
KOCV6-38-24C	38	1 1/2	-24	38.1	M52x2	38	226	130	49	60

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

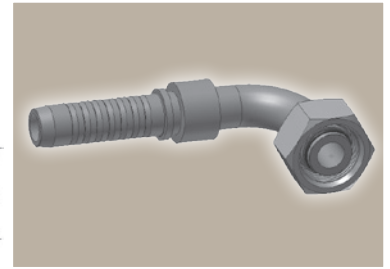
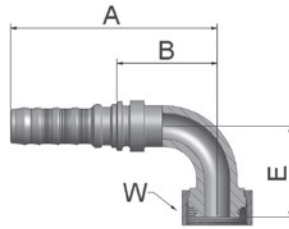
Approved **fitting series** for hose types:

Also available in steel. Details can be found in CAT 4400/UK

V6 R42 R42ST R42TC

1C Female Metric 24° – Swivel Heavy Series with O-Ring 90° Elbow

ISO 12151-2-SWE-S – DKOS 90°

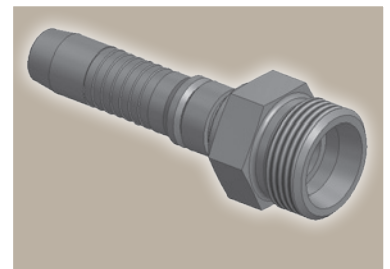
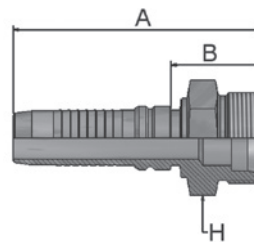


Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
K1CV6-30-20C	31	1 1/4	-20	31.8	M42x2	30	169	78	69	50
K1CV6-38-20C	31	1 1/4	-20	31.8	M52x2	38	177	86	78	60
K1CV6-38-24C	38	1 1/2	-24	38.1	M52x2	38	209	113	101	60

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

D2 Male Metric 24° – Rigid Heavy Series – Straight

ISO 12151-2-S-S – CES



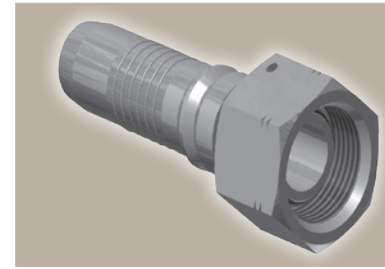
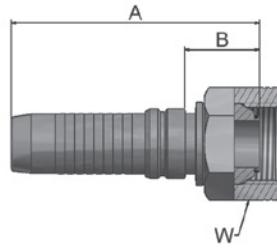
Part Number	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	H mm
	DN	Inch	Size	mm					
KD2V6-30-20C	31	1 1/4	-20	31.8	M42x2	30	140	59	46
KD2V6-38-20C	31	1 1/4	-20	31.8	M52x2	38	142	51	55
KD2V6-38-24C	38	1 1/2	-24	38.1	M52x2	38	151	55	55

Approved **fitting series** for hose types:

Also available in steel. Details can be found in CAT 4400/UK

V6 R42 R42ST R42TC

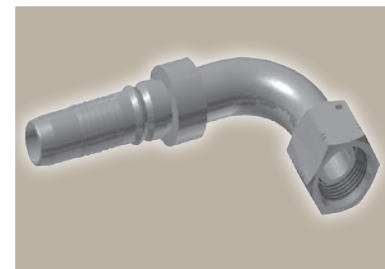
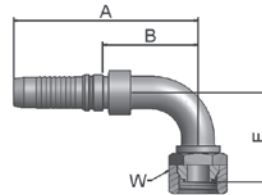
EA **BSP Swivel Female
with O-Ring (60° Cone)**
BS 5200 – ISO 12151-6 – DKOR



Part Number	Hose I.D.				Thread BSP	A mm	B mm	W mm
	DN	Inch	Size	mm				
KEAV6-20-20C	31	1 1/4	-20	31.8	1 1/4x11	126	35	50
KEAV6-24-24C	38	1 1/2	-24	38.1	1 1/2x11	134	38	55
KEAV6-32-32C	51	2	-32	50.8	2x11	149	39	70

Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

EC **BSP Swivel Female
with O-Ring
90° Elbow (60° Cone)**
BS 5200 – ISO 12151-6 – DKOR 90°



Part Number	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
KECV6-20-20C	31	1 1/4	-20	31.8	1 1/4x11	177	86	75	50
KECV6-24-24C	38	1 1/2	-24	38.1	1 1/2x11	209	113	103	55
KECV6-32-32C	51	2	-32	50.8	2x11	268	157	147	70

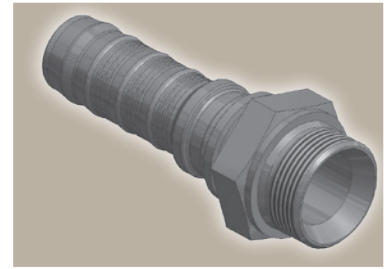
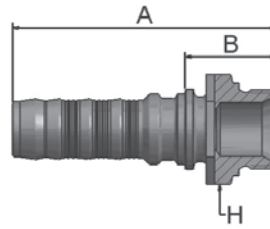
Hose fittings are delivered with ozone resistant Nitrile (NBR) O-ring as a standard version. Working temperature from -40 °C up to +105 °C.
Hose fittings with special O-rings (Viton or EPDM) available on request. O-ring dimensions and part-numbers see catalogue C4400 section Eb.

Approved **fitting series** for hose types:

Also available in steel. Details can be found in CAT 4400/UK

V6 R42 R42ST R42TC

D9 **Male BSP Parallel Pipe
Rigid – Straight (60° Cone)**
BS5200 – AGR



Part Number	Hose I.D.				Thread BSP	A mm	B mm	H mm
	DN	Inch	Size	mm				
KD9V6-20-20C	31	1 1/4	-20	31.8	1 1/4x11	139	48	50
KD9V6-24-24C	38	1 1/2	-24	38.1	1 1/2x11	155	58	55
KD9V6-32-32C	51	2	-32	50.8	2x11	168	58	70

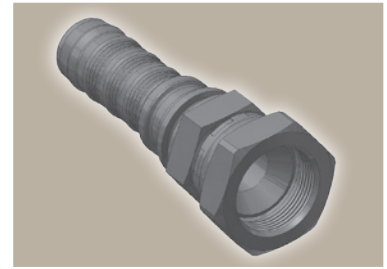
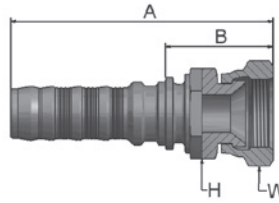
Approved **fitting series** for hose types:

Also available in steel. Details can be found in CAT 4400/UK

V6 R42 R42ST R42TC

06 Female JIC 37° – Swivel Straight

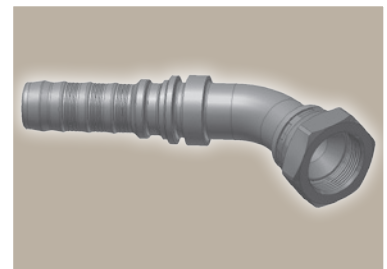
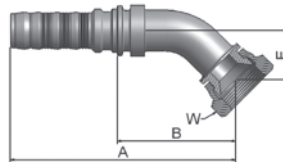
ISO12151-5-SWS – DKJ



Part Number	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
K06V6-20-20C	31	1 1/4	-20	31.8	1 5/8x12	159	68	46	60
K06V6-24-24C	38	1 1/2	-24	38.1	1 7/8x12	168	72	50	65
K06V6-32-32C	51	2	-32	50.8	2 1/2x12	188	77	65	75

37 Female JIC 37° – Swivel 45° Elbow

ISO 12151-5-SWE 45° – DKJ 45°



Part Number	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
K37V6-20-20C	31	1 1/4	-20	31.8	1 5/8x12	194	103	44	60
K37V6-24-24C	38	1 1/2	-24	38.1	1 7/8x12	238	142	61	65
K37V6-32-32C	51	2	-32	50.8	2 1/2x12	290	180	72	85

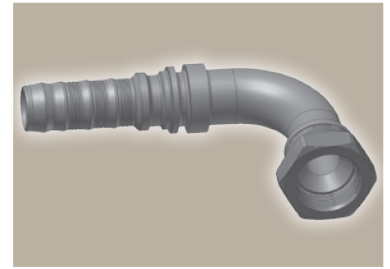
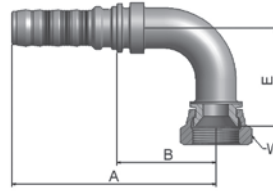
Approved **fitting series** for hose types:




Also available in steel. Details can be found in CAT 4400/UK

V6 R42 R42ST R42TC

39 Female JIC 37° – Swivel 90° Elbow

ISO 12151-5-SWES – DKJ 90°



Part Number	 Hose I.D.				 Thread UNF	A mm	B mm	E mm	 W mm
	DN	Inch	Size	mm					
K39V6-20-20C	31	1 1/4	-20	31.8	1 5/8x12	177	86	85	50
K39V6-24-24C	38	1 1/2	-24	38.1	1 7/8x12	209	113	106	65
K39V6-32-32C	51	2	-32	50.8	2 1/2x12	268	157	152	85

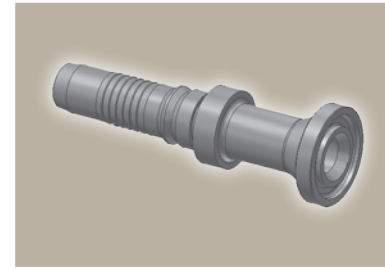
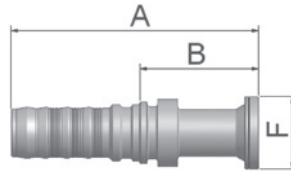
Approved **fitting series** for hose types:

Also available in steel. Details can be found in CAT 4400/UK

V6 R42 R42ST R42TC

4A ISO 6162-1-Flange Straight

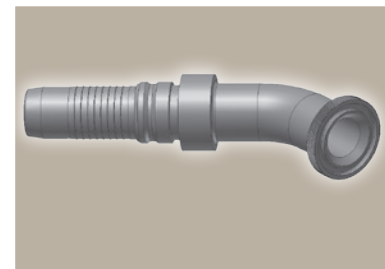
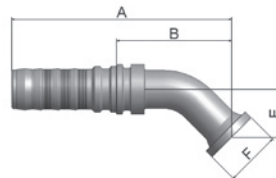
ISO 12151-3-S-L – SFL
(35.0 MPa/ 5000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	F mm
	DN	Inch	Size	mm				
K4AV6-20-20C	31	1 1/4	-20	31.8	1 1/4	167	76	51
K4AV6-24-20C	31	1 1/4	-20	31.8	1 1/2	165	74	60
K4AV6-24-24C	38	1 1/2	-24	38.1	1 1/2	201	105	60
K4AV6-32-24C	38	1 1/2	-24	38.1	2	159	63	71

4F ISO 6162-1-Flange 45° Elbow

ISO 12151-3 – E45S – L – SFL 45°
(35.0 MPa/ 5000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
K4FV6-20-20C	31	1 1/4	-20	31.8	1 1/4	188	97	38	51
K4FV6-24-20C	31	1 1/4	-20	31.8	1 1/2	188	97	38	60
K4FV6-24-24C	38	1 1/2	-24	38.1	1 1/2	221	125	44	60
K4FV6-32-24C	38	1 1/2	-24	38.1	2	221	125	44	71

Approved **fitting series** for hose types:

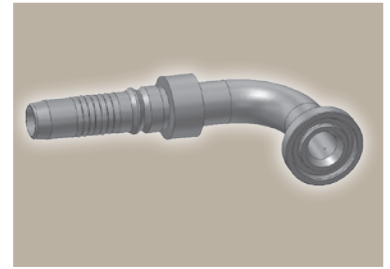
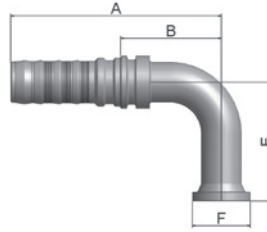
Also available in steel. Details can be found in CAT 4400/UK

V6 R42 R42ST R42TC

4N

ISO 6162-1-Flange 90° Elbow

ISO 12151-3-E-L – SFL 90°
(35.0 MPa/ 5000 psi)

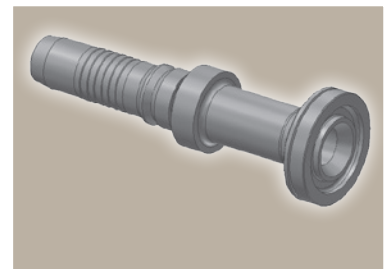
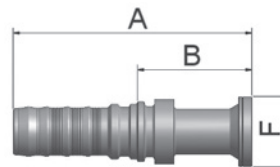


Part Number	Hose I.D.				Flange Inch	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
K4NV6-20-20C	31	1 1/4	-20	31.8	1 1/4	177	86	90	51
K4NV6-24-20C	31	1 1/4	-20	31.8	1 1/2	177	86	90	60
K4NV6-24-24C	38	1 1/2	-24	38.1	1 1/2	209	113	104	60
K4NV6-32-24C	38	1 1/2	-24	38.1	2	209	113	104	71

6A

ISO 6162-2-Flange Straight

ISO 12151-3-S-S – SFS
(42.0 MPa/ 6000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	F mm
	DN	Inch	Size	mm				
K6AV6-20-20C	31	1 1/4	-20	31.8	1 1/4	175	83	54
K6AV6-24-20C	31	1 1/4	-20	31.8	1 1/2	147	56	64
K6AV6-24-24C	38	1 1/2	-24	38.1	1 1/2	202	106	64
K6AV6-32-24C	38	1 1/2	-24	38.1	2	194	98	79
K6AV6-32-32C	51	2	-32	50.8	2	233	122	79

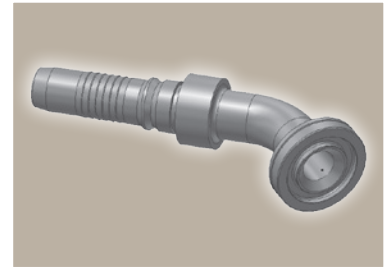
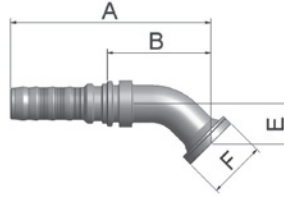
Approved **fitting series** for hose types:

Also available in steel. Details can be found in CAT 4400/UK

V6 R42 R42ST R42TC

6F ISO 6162-2-Flange 45° Elbow – Heavy Series

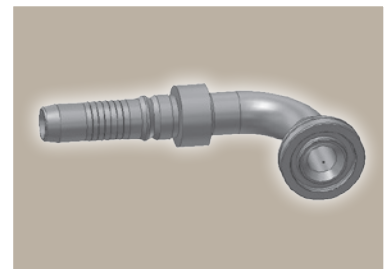
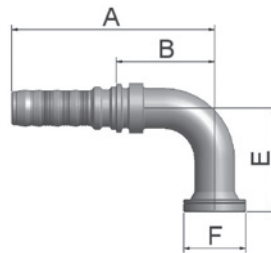
ISO 12151-3 – E45-S – SFS 45°
(42.0 MPa/ 6000 psi)



Part Number	Hose I.D.				Flange Inch	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
K6FV6-20-20C	31	1 1/4	-20	31.8	1 1/4	189	97.3	38	54
K6FV6-24-20C	31	1 1/4	-20	31.8	1 1/2	189	97.3	38	64
K6FV6-24-24C	38	1 1/2	-24	38.1	1 1/2	221	125.3	44	64
K6FV6-32-24C	38	1 1/2	-24	38.1	2	221	125.3	44	79
K6FV6-32-32C	51	2	-32	50.8	2	274	163.3	56	79

6N ISO 6162-2-Flange 90° Elbow

ISO 12151-3 – E-S – SFS 90°
(42.0 MPa/ 6000 psi)

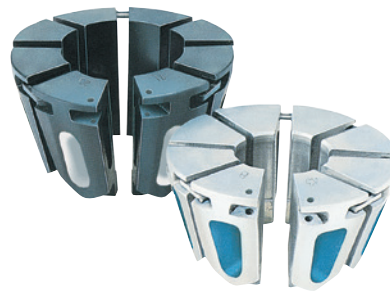


Part Number	Hose I.D.				Flange Inch	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
K6NV6-20-20C	31	1 1/4	-20	31.8	1 1/4	177	86.3	90	54
K6NV6-24-20C	31	1 1/4	-20	31.8	1 1/2	177	86.3	90	64
K6NV6-24-24C	38	1 1/2	-24	38.1	1 1/2	210	113.3	104	64
K6NV6-32-24C	38	1 1/2	-24	38.1	2	209	113.3	104	79
K6NV6-32-32C	51	2	-32	50.8	2	268	157.3	138	79

Approved **fitting series** for hose types:

Also available in steel. Details can be found in CAT 4400/UK

V6 R42 R42ST R42TC



Hydraulic Hose Fittings in Stainless Steel

Machines, Tooling, Accessories

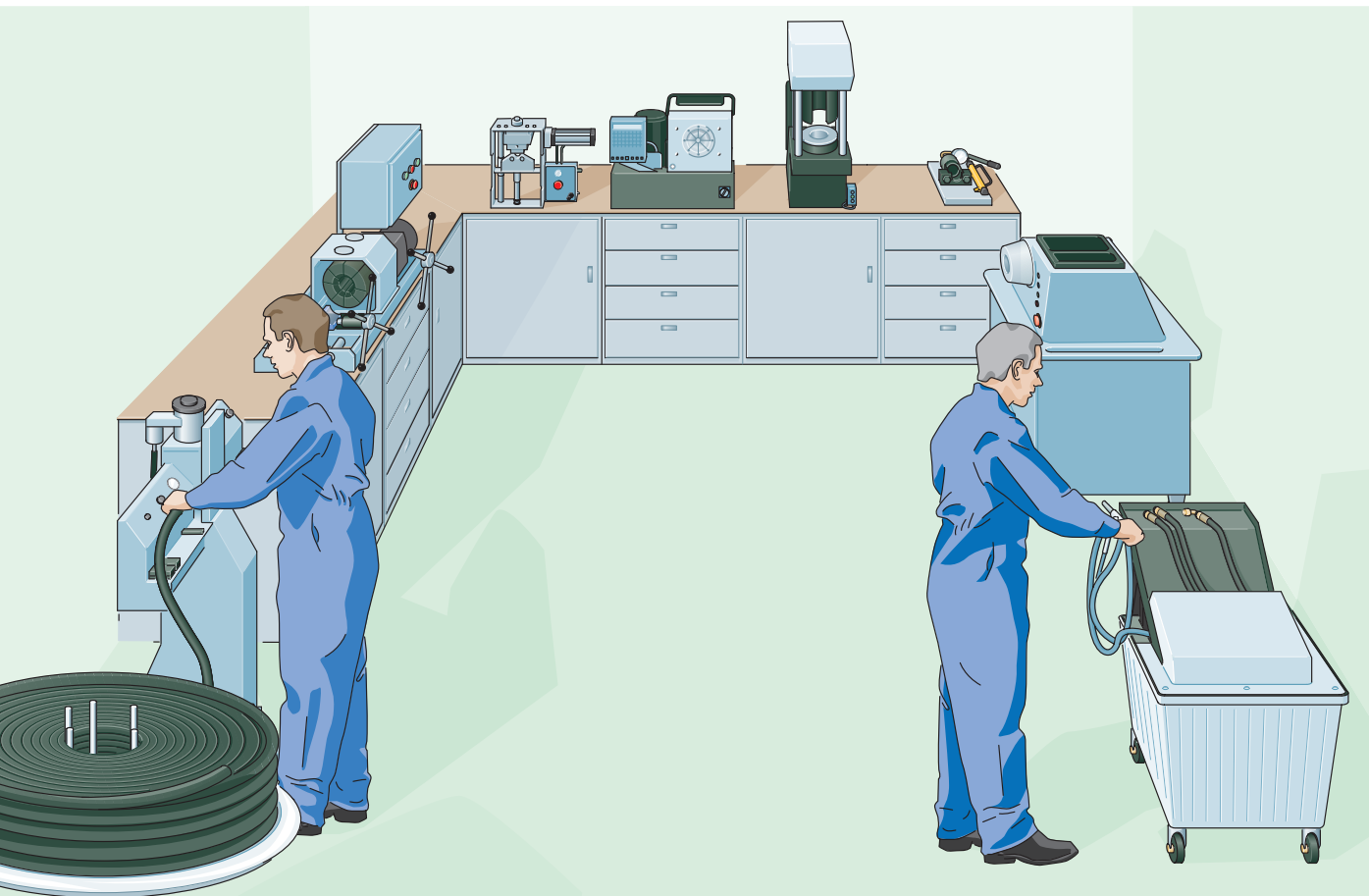


ENGINEERING YOUR SUCCESS.

Hydraulic Hose Assembly Workshop Equipment

– meeting the demands of professional
hose assembly manufacture

Hose assemblies must be manufactured in conformity with all the relevant EN/ISO standards and with the requirements of various work safety and trade associations. Hose Products Division Europe has selected and developed a complete range of machines and tooling to ensure effective and safe production of hose assemblies. This can be achieved only when equipment designed for the purpose is used.



**The programme includes the right tools for
ready-to-install Parkrimp No-Skive
and ParLock hose assemblies:**

- Cutting hoses
- Crimping hoses
- Marking hose assemblies
- Cleaning hose assemblies
- Testing hose assemblies



TH 7-12
7-stage hose reel



85CE-061L + 85CE-1PE
KarryKrimp 2 Bench Mount



TH3E-EM6-M
Hose Cutting Machine



TH 5-3
Hose Assembly Test Bench



TH 4-4 U
Hand Marking Tools



TH 6-6
Cleaning System



TH8E-535-CM
Frei einstellbare Schlauchpresse

**It's so easy to crimp
your own hose
assemblies**

Please visit us at
www.easy-crimping.com



Parkrimp® *No-Skive*

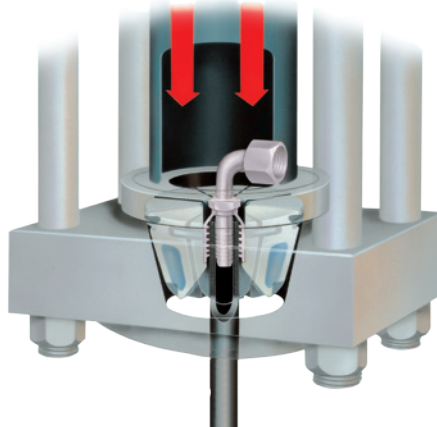
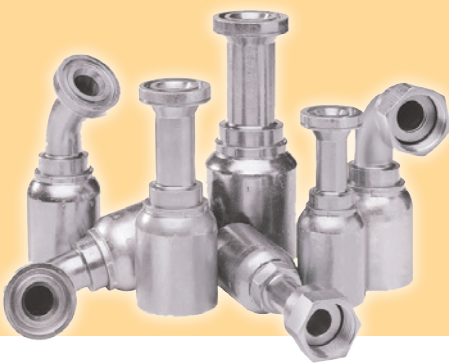
The system for fast and leak-free assemblies

Hose fittings have an impact on the overall efficiency and safety of a hydraulic system.

The No-Skive concept was launched by Parker Hannifin some 30 years ago but continuous development and the use of modern materials and production techniques have resulted in a state-of-the-art hose to fitting connection. Much easier handling and a high level of safety are available with No-Skive crimp fittings. Parker offers No-Skive fittings in one and two pieces as part of a package consisting of quality hose, No-Skive fittings, hose crimpers and tooling.



Parkrimp *No-Skive* one-piece fittings



Modular Design = Portable + Bench Mount Parkrimp crimpers for *No-Skive* one-piece fittings

The modular design enables the customer to choose between the portability that Parker KarryKrimp crimpers have always offered, and the option to make these same crimpers bench mount units.

The modular design gives users the flexibility of a portable crimper with the advantage of increased productivity when connected to the Bench Power Unit 85CE-1PE.



KarryKrimp® 2



KarryKrimp® 2
Bench Mount

Parkrimp® *No-Skive*

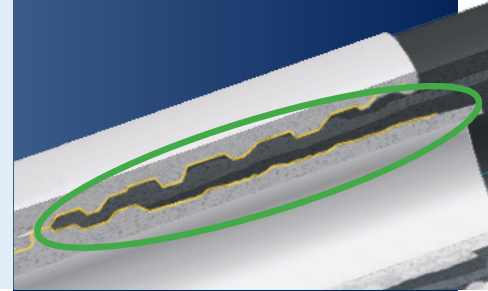
- No skiving tool needed
- No need to remove the cover
- Crimps one-piece fittings
- Parkalign positions the fittings in the dies perfectly every time
- Quick and easy: no gauges to set on the machine
- Portable machines for field repair
- Meets EN safety regulations

ParLock Hose and Fittings

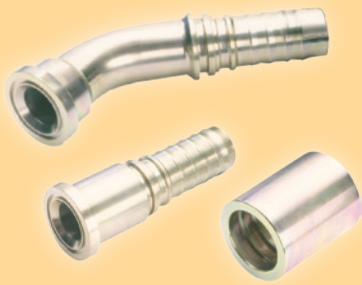
The high-performance skiving system

Certain customers and applications stipulate the usage of multispiral hose assemblies with external/internal skive-type fittings. With the ParLock hose and fitting range, Parker meets this demanding market requirement. Parker adjustable crimpers for two-piece fittings ensure precise, leak-free and tear-proof assembly of hose and fitting.

- High flex-impulse applications
- High vibration applications
- The ParLock design is approved by the German Accident Prevention & Insurance Association (Berufsgenossenschaft) conforming to EN 201 (approved for injection-moulding machine applications)



ParLock two-piece skive fittings



TH2-13-3PH
Hose skiving machine

Adjustable crimpers
for two-piece ParLock fittings



TH8E-530



TH 8E-380-CM



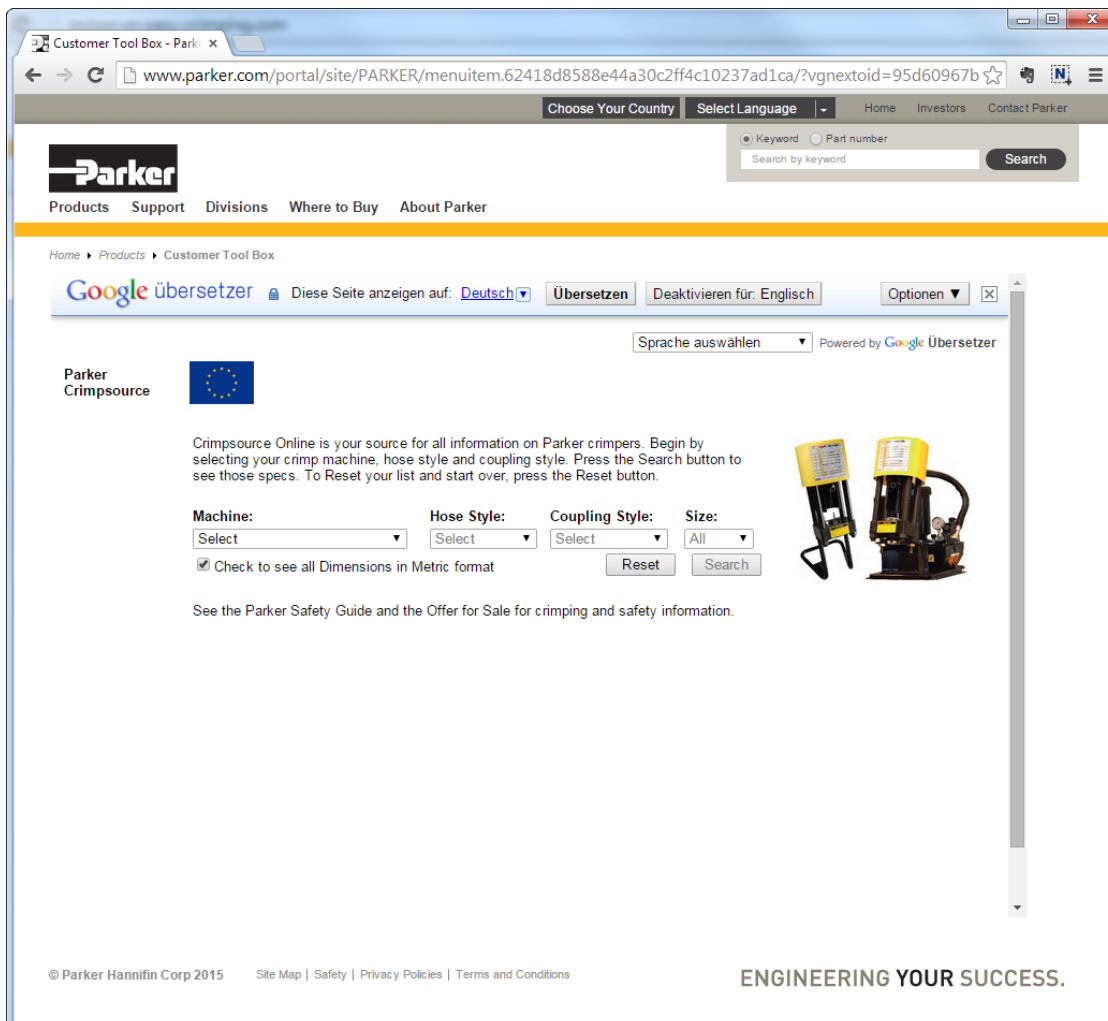
TH 8E-480-CM

ParLock System

- A full range of multispiral hoses to ISO 3862 (4SP to R15)
- Field-tested, proven reliability
- Hose and fitting combinations giving performance that exceeds ISO/EN requirements
- Approved hose and fitting compatibility “one manufacturer, one source”

Your crimp source online keeps you always up-to-date

Crimpsource online is your tool for a fast, easy and exact assembly of hose products in Europe



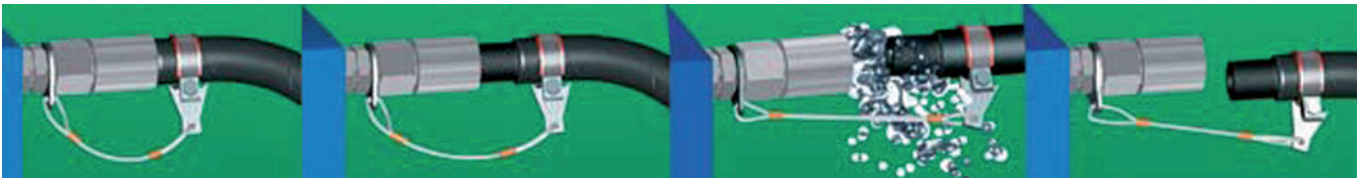
Find the correct crimp specification on the push of a button!

www.parker.com/crimpsource-euro

Hose Whip Restraint

Safety Restraining System for Pressure Hoses

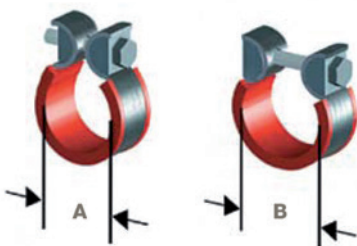
- Prevents whipping of a pressurized hose in the event of the hose separating from its fitting
- The system consists of two parts – a hose collar and a cable assembly



Parker's Hose Whip Restraint System is designed to prevent whipping of a pressurized hose in the event of the hose separating from its fitting. The Hose Whip Restraint System provides an additional level of safety and helps prevent damage to nearby equipment or injury to operators near the failed hose by limiting the whip or travel of the pressurized hose after it breaks free from its hose fitting. Serious damage or injury can occur from whipping hoses, especially at higher pressures.

The system consists of two parts – a hose collar and a cable assembly. The hose collar (WRCxx) is selected based on the outside diameter of the hose, and the cable assembly is selected based on the type of hose connection. Two types of cable assemblies are available – one for flange-type connections (WRFxxx), and the other for port adapters (WRAxxx).

The Hose Whip Restraint is not to be used in place of proper hose crimping procedures. Exceeding the maximum operating pressure of the hose jeopardizes the proper operation of the Hose Whip Restraint System.



Hose collars for Hose Whip Restraint System



Cable Assemblies for hoses attached with port adapters



Cable Assemblies for hoses using flange-style connections
ISO 6162-1 (35.0 MPa/5000 psi) and
ISO 6162-2 (42.0 MPa/ 6000 psi)

For more information about hose whip restraint please refer to page *Eb-19*.

Part Number	page	Part Number	page	Part Number	page
10046	Cd-1	1CF43	Cb-1	K37V6	De-6
10048	Cd-1	1CF48	Cc-2	K3947	Cd-9
100V4	Dd-1	1CF64	B2b-2	K39V4	Dd-6
100V6	De-1	1CF70	Db-1	K39V6	De-7
10177	Dc-4	1D043	Cb-2	K3W47	Cd-9
10643	Cb-5	1D048	Cc-2	K4AV4	Dd-7
10648	Cc-7	1D064	B2b-2	K4AV6	De-8
10670	Db-5	1D070	Db-2	K4FV4	Dd-7
10677	Dc-4	1D243	Cb-3	K4FV6	De-8
10C77	Dc-2	1D248	Cc-4	K4NV4	Dd-8
11548	Cc-8	1D270	Db-3	K4NV6	De-9
11570	Db-6	1D964	B2b-4	K6847	Cd-9
11577	Dc-6	1EA64	B2b-3	K6A47	Cd-11
11777	Dc-6	1EA77	Dc-3	K6AV4	Dd-8
11948	Cc-8	1EB64	B2b-3	K6AV6	De-9
11970	Db-6	1EC64	B2b-4	K6FV4	Dd-9
11977	Dc-7	1EC77	Dc-3	K6FV6	De-10
11C43	Cb-3	1J943	Cb-6	K6N47	Cd-11
11C48	Cc-3	1JC43	Cb-6	K6NV4	Dd-9
11C70	Db-3	30182	B1b-7	K6NV6	De-10
11C77	Dc-2	30682	B1b-7	K9247	Cd-6
13777	Dc-5	31D82	B1b-4	KB147	Cd-6
13943	Cb-5	33982	B1b-8	KB247	Cd-7
13948	Cc-7	33W82	B1b-8	KC947	Cd-4
13970	Db-5	34982	B1b-4	KC9V4	Dd-2
13977	Dc-5	36882	B1b-7	KC9V6	De-2
13W43	Cb-5	39182	B1b-6	KCA47	Cd-2
13W70	Db-5	39282	B1b-5	KCAV4	Dd-2
14A77	Dc-6	3AF82	B1b-9	KCE47	Cd-2
14F77	Dc-6	3B282	B1b-5	KCF47	Cd-3
14N77	Dc-7	3C382	B1b-2	KD047	Cd-3
16843	Cb-5	3C482	B1b-3	KD247	Cd-5
16870	Db-5	3C582	B1b-3	KD2V4	Dd-3
16A70	Db-7	3CA82	B1b-1	KD2V6	De-3
16A77	Dc-7	3CF82	B1b-1	KD947	Cd-7
16F77	Dc-8	3D082	B1b-2	KD9V4	Dd-5
16N70	Db-7	3D982	B1b-6	KD9V6	De-5
16N77	Dc-8	3YW82	B1b-9	KEAV4	Dd-4
19243	Cb-4	611050G	B1b-10	KEAV6	De-4
19248	Cc-5	611050HV	B1b-10	KECV4	Dd-4
19270	Db-4	H896137	B1b-10	KECV6	De-4
1B148	Cc-5	K0147	Cd-8		
1B243	Cb-4	K0347	Cd-8		
1B248	Cc-6	K0647	Cd-9		
1B270	Db-4	K06V4	Dd-6		
1C943	Cb-2	K06V6	De-6		
1C948	Cc-3	K0C47	Cd-4		
1C970	Db-2	K0CV6	De-2		
1C977	Dc-1	K1547	Cd-10		
1CA43	Cb-1	K15V4	Dd-7		
1CA48	Cc-1	K17V4	Dd-7		
1CA64	B2b-1	K1947	Cd-10		
1CA70	Db-1	K19V4	Dd-8		
1CA77	Dc-1	K1C47	Cd-5		
1CE48	Cc-1	K1CV4	Dd-3		
1CE64	B2b-1	K1CV6	De-3		

Parker's Motion & Control Technologies

At Parker, we're guided by a relentless drive to help our customers become more productive and achieve higher levels of profitability by engineering the best systems for their requirements. It means looking at customer applications from many angles to find new ways to create value. Whatever the motion and control technology need, Parker has the experience, breadth of product and global reach to consistently deliver. No company knows more about motion and control technology than Parker.

**For further info call
00800 27 27 5374**



Aerospace

Key Markets

Aftermarket services
Commercial transports
Engines
General & business aviation
Helicopters
Launch vehicles
Military aircraft
Missiles
Power generation
Regional transports
Unmanned aerial vehicles

Key Products

Control systems & actuation products
Engine systems & components
Fluid conveyance systems & components
Fluid metering, delivery & atomization devices
Fuel systems & components
Fuel tank inerting systems
Hydraulic systems & components
Thermal management
Wheels & brakes



Climate Control

Key Markets

Agriculture
Air conditioning
Construction Machinery
Food & beverage
Industrial machinery
Life sciences
Oil & gas
Precision cooling
Process
Refrigeration
Transportation

Key Products

Accumulators
Advanced actuators
CO₂ controls
Electronic controllers
Filter driers
Hand shut-off valves
Heat exchangers
Hose & fittings
Pressure regulating valves
Refrigerant distributors
Safety relief valves
Smart pumps
Solenoid valves
Thermostatic expansion valves



Hydraulics

Key Markets

Aerial lift
Agriculture
Alternative energy
Construction machinery
Forestry
Industrial machinery
Machine tools
Marine
Material handling
Mining
Oil & gas
Power generation
Refuse vehicles
Renewable energy
Truck hydraulics
Turf equipment

Key Products

Accumulators
Cartridge valves
Electrohydraulic actuators
Human machine interfaces
Hybrid drives
Hydraulic cylinders
Hydraulic motors & pumps
Hydraulic systems
Hydraulic valves & controls
Hydrostatic steering
Integrated hydraulic circuits
Power take-offs
Power units
Rotary actuators
Sensors



Pneumatics

Key Markets

Aerospace
Conveyor & material handling
Factory automation
Life science & medical
Machine tools
Packaging machinery
Transportation & automotive

Key Products

Air preparation
Brass fittings & valves
Manifolds
Pneumatic accessories
Pneumatic actuators & grippers
Pneumatic valves & controls
Quick disconnects
Rotary actuators
Rubber & thermoplastic hose & couplings
Structural extrusions
Thermoplastic tubing & fittings
Vacuum generators, cups & sensors





Electromechanical

Key Markets

Aerospace
 Factory automation
 Life science & medical
 Machine tools
 Packaging machinery
 Paper machinery
 Plastics machinery & converting
 Primary metals
 Semiconductor & electronics
 Textile
 Wire & cable

Key Products

AC/DC drives & systems
 Electric actuators, gantry robots & slides
 Electrohydraulic actuation systems
 Electromechanical actuation systems
 Human machine interface
 Linear motors
 Stepper motors, servo motors, drives & controls
 Structural extrusions



Filtration

Key Markets

Aerospace
 Food & beverage
 Industrial plant & equipment
 Life sciences
 Marine
 Mobile equipment
 Oil & gas
 Power generation & renewable energy
 Process
 Transportation
 Water Purification

Key Products

Analytical gas generators
 Compressed air filters & dryers
 Engine air, coolant, fuel & oil filtration systems
 Fluid condition monitoring systems
 Hydraulic & lubrication filters
 Hydrogen, nitrogen & zero air generators
 Instrumentation filters
 Membrane & fiber filters
 Microfiltration
 Sterile air filtration
 Water desalination & purification filters & systems



Fluid & Gas Handling

Key Markets

Aerial lift
 Agriculture
 Bulk chemical handling
 Construction machinery
 Food & beverage
 Fuel & gas delivery
 Industrial machinery
 Life sciences
 Marine
 Mining
 Mobile
 Oil & gas
 Renewable energy
 Transportation

Key Products

Check valves
 Connectors for low pressure fluid conveyance
 Deep sea umbilicals
 Diagnostic equipment
 Hose couplings
 Industrial hose
 Mooring systems & power cables
 PTFE hose & tubing
 Quick couplings
 Rubber & thermoplastic hose
 Tube fittings & adapters
 Tubing & plastic fittings



Process Control

Key Markets

Alternative fuels
 Biopharmaceuticals
 Chemical & refining
 Food & beverage
 Marine & shipbuilding
 Medical & dental
 Microelectronics
 Nuclear Power
 Offshore oil exploration
 Oil & gas
 Pharmaceuticals
 Power generation
 Pulp & paper
 Steel
 Water/wastewater

Key Products

Analytical Instruments
 Analytical sample conditioning products & systems
 Chemical injection fittings & valves
 Fluoropolymer chemical delivery fittings, valves & pumps
 High purity gas delivery fittings, valves, regulators & digital flow controllers
 Industrial mass flow meters/controllers
 Permanent no-weld tube fittings
 Precision industrial regulators & flow controllers
 Process control double block & bleeds
 Process control fittings, valves, regulators & manifold valves



Sealing & Shielding

Key Markets

Aerospace
 Chemical processing
 Consumer
 Fluid power
 General industrial
 Information technology
 Life sciences
 Microelectronics
 Military
 Oil & gas
 Power generation
 Renewable energy
 Telecommunications
 Transportation

Key Products

Dynamic seals
 Elastomeric o-rings
 Electro-medical instrument design & assembly
 EMI shielding
 Extruded & precision-cut, fabricated elastomeric seals
 High temperature metal seals
 Homogeneous & inserted elastomeric shapes
 Medical device fabrication & assembly
 Metal & plastic retained composite seals
 Shielded optical windows
 Silicone tubing & extrusions
 Thermal management
 Vibration dampening

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SE, SK, UK, ZA)



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