



aerospace  
climate control  
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filtration  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



# Hydraulic Hoses, Fittings and Equipment

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





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



KarryKrimp® 2

Parkrimp 2®

PHastkrimp®

**Adjustable crimpers  
for two-piece ParLock fittings**



TH8E-530

TH8E-380-BM

TH8-800-BM



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



**ParLock two-piece skive fittings**

# Full Flange System

Provides full flange mounting option for Code 61 and 62 ports.  
System flexibility reduces inventory investment.

## The full flange system addresses the needs of customers by:

- Being easier to assemble
- Providing one-piece integrity
- Being easier to handle
- Being easier to route in tight spaces
- Enabling assemblies to be sent to customers with the flange in place
- Easing bent tube installation (displacement angle) with a freely rotating flange



## The full flange system can be used repeatedly because of its patent-pending attachment system – the flange is not permanently locked onto the fitting.

- This is not a captive flange – it can easily be removed
- Flange can be reused if necessary
- Flange is not scrapped on a mis-crimp

## New Fitting Configuration

This newly introduced fitting configuration is specifically designed for Parker's full flange system, and will accept either a Code 61 or Code 62 flange. The X5, X7 and X9 fittings are designed to work with all Parkrimp crimpers. These new fittings can replace multiple existing fittings and help to reduce inventory.

## Reduction of Inventory

Parker's full flange system requires less inventory than the existing split flange system.

By using the new X5, X7 and X9 fittings, distributors can streamline inventory and can still respond to customer needs. Before the introduction of the full flange system, distributors needed to stock both Code 61 and 62 fittings to be prepared.



### 1X577-20-20

Straight Code 61 or Code 62 fitting.  
Alternative to 15, 4A and 6A configurations.

### 1X777-20-20

45° Code 61 or Code 62 fitting.  
Alternative to 17, 4F and 6F configurations.

### 1X977-20-20

90° Code 61 or Code 62 fitting.  
Alternative to 19, 4N and 6N configurations.

**For more information about Full Flange System please refer to pages Df-9 – Df-10, Dk-19 – Dk-20 and Eb-2**





# Hoses and Fittings

High pressure	Hose	371LT	Da-1
		372	Da-2
		372RH	Da-3
		372TC	Da-4
		701	Da-5
		721TC	Da-6
		731	Da-7
		761	Da-8
		772LT	Da-9
		774	Da-10
		781	Da-11
		P35	Da-12
		782TC	Da-13
		787TC	Da-14
		791TC	Da-14
		792TC	Da-15
		797TC	Da-16
		F42	Da-17
		H29	Da-18
		H29RH	Da-19
		H29TC	Da-20
		H29ST	Da-21
		H31	Da-22
		H31TC	Da-23
		H31ST	Da-24
		R35	Da-25
		R35TC	Da-26
		R42	Da-27
		R42TC	Da-28
R42ST	Da-29		

High pressure	Fittings	Series Chapter	Parkrimp No-Skive							ParLock		
			70 series	71 series	73 series	76 series	77 series	78 series	79 series	S6 series	VS series	V4/V6 series
		Db-	Dc-	Dd-	De-	Df-	Dg-	Dh-	Di-	Dj-	Dk-	
		<b>DIN - Metric</b>	1-4	1-4	1-2		1-2	1-2	1-2		2-5	2-5
		<b>BSP</b>	5-7	5-6	3-4			3-4			6-7	6-8
		<b>SAE</b>	8-10	7-9	5-7		3-5	5-7		1	8-10	9-11
		<b>Flange</b>	11-13	10-13	8-12	1	6-10	8-13	3-4	2-3	11-13	12-22
		<b>ORFS</b>	14-16	14-15	13-15		11-12	14-16	5-6		14-15	23-25
		<b>JIS</b>	17									
		<b>French Standard</b>	18		16						16	26
		<b>Others</b>	19	16	17							

Parker Hannifin assumes no liability for typographical errors or other errors

## Parkrimp No-Skive

3-braids Standard	3-braids low temperature	3-braids high abrasion res.	3-braids railway
<b>372</b> Da-2  <b>No-Skive Compact</b> 3-wire braid compact hose with 4SP working pressures	<b>371LT</b> Da-1  <b>No-Skive Compact</b> 3-wire braid low-temperature compact hose with 4SP working pressures	<b>372TC</b> Da-4  <b>No-Skive Compact</b> 3-wire braid compact hose with 4SP working pressures	<b>372RH</b> Da-3  <b>No-Skive Compact</b> 3-wire braid with fire-retardant cover

## Standard

<b>701</b> Da-5  <b>No-Skive Multispiral</b> ISO 3862 Type 4SP – DIN EN 856 Type 4SP	<b>731</b> Da-7  <b>No-Skive Multispiral</b> ISO 3862 Type 4SH – DIN EN 856 Type 4SH	<b>781</b> Da-11  <b>No-Skive Multispiral</b> SAE 100R13 – ISO 3862 Type R13 – DIN EN 856 Type R13	<b>P35</b> Da-12  <b>No-Skive Multispiral</b> SAE 100R13 – ISO 3862 Type R13 – DIN EN 856 Type R13
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## Phosphate Ester

<b>774</b> Da-10  <b>No-Skive Multispiral</b> For phosphate ester base fluids	<b>F42</b> Da-27  <b>No-Skive Multispiral</b> For phosphate ester base fluids
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## Extreme pressure

<b>761</b> Da-8  <b>No-Skive Multispiral</b> Ultra high pressure
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## High abrasion resistance – MSHA approved

<b>721TC</b> Da-6  <b>No-Skive Multispiral</b> SAE 100R12 – DIN EN 856 Type R12 – ISO 3862 Type R12	<b>782TC</b> Da-13  <b>No-Skive Multispiral</b> SAE 100R13 – ISO 3862 Type R13 – DIN EN 856 Type R13	<b>791TC / 792TC</b> Da-15  <b>No-Skive Multispiral</b> SAE 100R15 – ISO 3862 Type R15
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## Low temperature

<b>772LT</b> Da-9  <b>No-Skive Multispiral</b> Low-temperature spiral hose for extremely cold conditions
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## Compact spiral

<b>787TC</b> Da-14  <b>No-Skive Compact Spiral</b> ISO 18752-DC	<b>797TC</b> Da-16  <b>No-Skive Compact Spiral</b> ISO 18752-DC
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## ParLock

### Standard

<p><b>H29</b> Da-18</p>  <p><b>ParLock Multispiral</b> Exceeds ISO 3862 Type 4SH – DIN EN 856 Type 4SH</p>	<p><b>H31</b> Da-22</p>  <p><b>ParLock Multispiral</b> Exceeds ISO 3862 Type 4SP – DIN EN 856 Type 4SP</p>	<p><b>R35</b> Da-25</p>  <p><b>ParLock Multispiral</b> Exceeds ISO 3862 Type R13 – Parker Specifications</p>	<p><b>R42</b> Da-27</p>  <p><b>ParLock Multispiral</b> Exceeds ISO 3862 Type R15 – Parker Specifications</p>
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### High abrasion resistance – MSHA approved

<p><b>H29TC</b> Da-20</p>  <p><b>ParLock Multispiral</b> Exceeds ISO 3862 Type 4SH – DIN EN 856 Type 4SH</p>	<p><b>H31TC</b> Da-23</p>  <p><b>ParLock Multispiral</b> Exceeds ISO 3862 Type 4SP – DIN EN 856 Type 4SP</p>	<p><b>R35TC</b> Da-26</p>  <p><b>ParLock Multispiral</b> Exceeds ISO 3862 Type R13 – Parker Specifications</p>	<p><b>R42TC</b> Da-28</p>  <p><b>ParLock Multispiral</b> Exceeds ISO 3862 Type R15 – Parker Specifications</p>
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### Extreme abrasion resistance

<p><b>H29ST</b> Da-21</p>  <p><b>ParLock Multispiral</b> Exceeds ISO 3862 Type 4SH – DIN EN 856 Type 4SH</p>	<p><b>H31ST</b> Da-24</p>  <p><b>ParLock Multispiral</b> Exceeds ISO 3862 Type 4SP – DIN EN 856 Type 4SP</p>	<p><b>R42ST</b> Da-29</p>  <p><b>ParLock Multispiral</b> Exceeds ISO 3862 Type R15 – Parker Specifications</p>
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### Railway

<p><b>H29RH</b> Da-19</p>  <p><b>ParLock Multispiral</b> Fire-retardant cover – exceeds ISO 3862 Type 4SH – DIN EN 856 Type 4SH</p>
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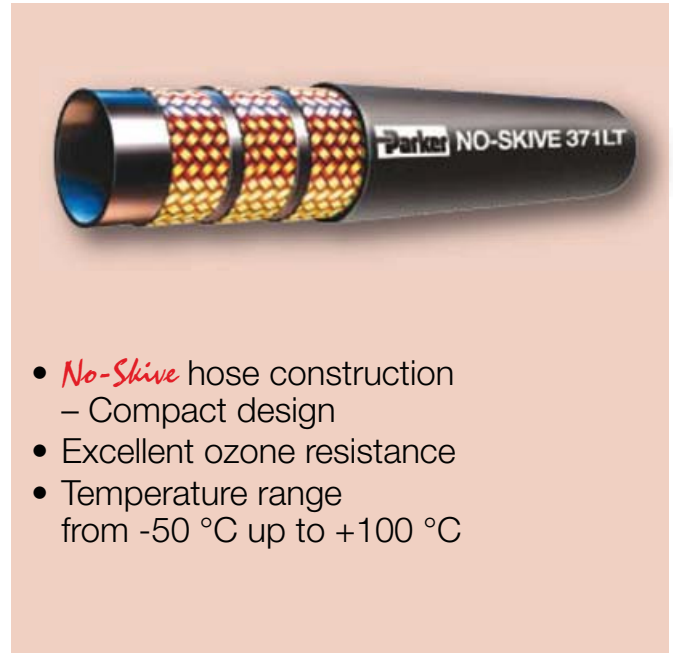




# 371LT

## No-Skive Compact

3-wire braid low-temperature compact hose with 4SP working pressures



- *No-Skive* hose construction – Compact design
- Excellent ozone resistance
- Temperature range from -50 °C up to +100 °C

### Primary Applications

Mobile applications in low temperature environments:  
Forestry machines, refrigerated warehouses

### Applicable Specifications

Parker Specifications

### Construction

Tube: Synthetic rubber  
Reinforcement: Three high tensile steel wire braids  
Cover: Synthetic rubber

Temperature Range ..... -50 °C up to +100 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
371LT-6	10	3/8	-6	9.5	21.4	44.5	6500	178.0	26000	120	0.73
371LT-8	12	1/2	-8	12.7	24.6	41.5	6000	166.0	24000	160	0.90
371LT-10	16	5/8	-10	15.9	28.2	35.0	5000	140.0	20000	210	1.09
371LT-12	20	3/4	-12	19.1	32.2	35.0	5000	140.0	20000	260	1.36
371LT-16	25	1	-16	25.4	39.7	28.0	4000	112.0	16000	310	1.78

The combination of high temperature and high pressure could reduce the hose life.

# 372

## No-Skive Compact

3-wire braid compact hose with  
4SP working pressures

### Primary Applications

General high pressure small bending radii hydraulic applications

### Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

### Applicable Specifications

Parker Specifications

### Construction

Tube: Nitrile (NBR)  
Reinforcement: Three high tensile steel wire braids  
Cover: Synthetic rubber

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C

Water ..... max. +85 °C



- *No-Skive* hose construction – Compact design
- Nitrile (NBR) inner tube for extended fluid compatibility

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
372-6	10	3/8	-6	9.5	21.4	44.5	6500	180.0	25800	120	0.73
372-8	12	1/2	-8	12.7	24.6	41.5	6000	166.0	24000	160	0.90
372-10	16	5/8	-10	15.9	28.2	35.0	5000	140.0	20000	210	1.09
372-12	20	3/4	-12	19.1	32.2	35.0	5000	140.0	20000	260	1.36
372-16	25	1	-16	25.4	39.7	28.0	4000	112.0	16000	310	1.78

The combination of high temperature and high pressure could reduce the hose life.

# 372RH

## No-Skive Compact

3-wire braid with fire-retardant cover



- *No-Skive* hose construction
- Nitrile (NBR) inner tube – high chemical resistance
- Small bend radii
- Fire-retardant cover
- German Standard: **DIN 5510-2**
- French Standard: **NF F16-101/102 I2/F3**
- British Standard: **BS 6853 - Table 4**

### Primary Applications

Dynamic and static high-pressure hydraulic systems

### Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

### Applicable Specifications

Parker specifications

Working pressure and O.D. to DIN EN 856-4SP

### Construction

Tube: Nitrile (NBR)

Reinforcement: Three high tensile steel wire braids

Cover: Fire retardant synthetic rubber

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C

Water ..... max. +85 °C

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
372RH-6	10	3/8	-6	9.5	21.4	44.5	6500	180.0	25800	120	0.73
372RH-8	12	1/2	-8	12.7	24.6	41.5	6000	166.0	24000	160	0.90
372RH-10	16	5/8	-10	15.9	28.2	35.0	5000	140.0	20000	210	1.09
372RH-12	20	3/4	-12	19.1	32.2	35.0	5000	140.0	20000	260	1.36
372RH-16	25	1	-16	25.4	39.7	28.0	4000	112.0	16000	310	1.78

The combination of high temperature and high pressure could reduce the hose life.

# 372TC

## No-Skive Compact

3-wire braid compact hose with 4SP working pressures

### Primary Applications

General high pressure hydraulic applications (typically in the mobile industry)

### Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

### Applicable Specifications

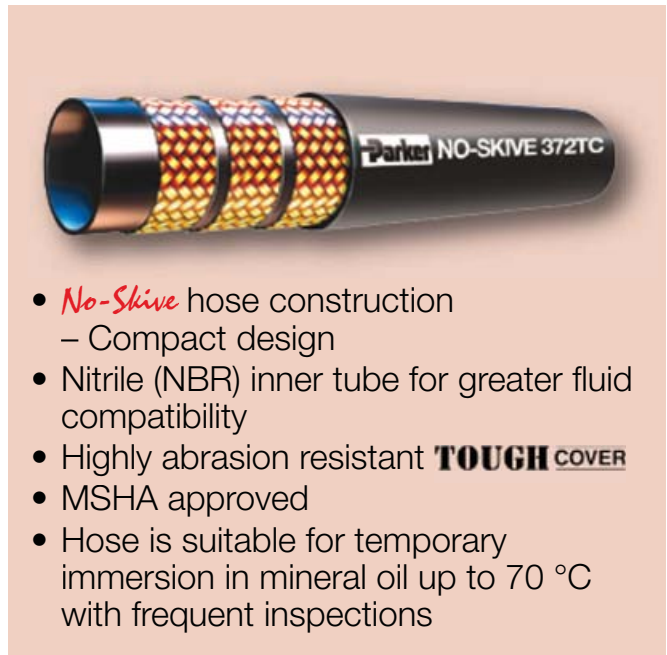
Parker specifications – working pressures and outside diameters according to DIN EN 856-4SP

### Construction

Tube: Nitrile (NBR)  
Reinforcement: Three high tensile steel wire braids  
Cover: Highly abrasion resistant  
MSHA approved synthetic rubber

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C



- **No-Skive** hose construction – Compact design
- Nitrile (NBR) inner tube for greater fluid compatibility
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked. The **TOUGH COVER** hose is suitable for immersion in mineral oils up to 70 °C. Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
372TC-6	10	3/8	-6	9.5	21.4	44.5	6500	180.0	25800	120	0.73
372TC-8	12	1/2	-8	12.7	24.6	41.5	6000	166.0	24000	160	0.90
372TC-10	16	5/8	-10	15.9	28.2	35.0	5000	140.0	20000	210	1.09
372TC-12	20	3/4	-12	19.1	32.2	35.0	5000	140.0	20000	260	1.36
372TC-16	25	1	-16	25.4	39.7	28.0	4000	112.0	16000	310	1.78

Replace the hose when any deformation or damage on the hose cover are visible. The combination of high temperature and high pressure could reduce the hose life.



# 701

## No-Skive Multispiral

ISO 3862 Type 4SP – DIN EN 856 Type 4SP

### Primary Applications

General high pressure hydraulic applications

### Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

### Applicable Specifications

ISO 3862 Type 4SP – DIN EN 856 Type 4SP

### Construction

Tube: Synthetic rubber  
Reinforcement: Four spirals of high-tensile steel wire  
Cover: Synthetic rubber

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C



- *No-Skive* hose construction
- Reinforcement of four high tensile steel wires

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
701-6	10	3/8	-6	9.5	21.4	45.0	6500	180.0	26000	180	0.78
701-8	12	1/2	-8	12.7	24.6	41.5	6000	166.0	24000	230	0.93
701-10	16	5/8	-10	15.9	28.2	35.0	5000	140.0	20000	250	1.15
701-12	20	3/4	-12	19.1	32.2	35.0	5000	140.0	20000	300	1.58
701-16	25	1	-16	25.4	39.7	28.0	4000	112.0	16000	340	2.04

The combination of high temperature and high pressure could reduce the hose life.

# 721TC

## No-Skive Multispiral

SAE 100R12 – DIN EN 856 Type R12 –  
ISO 3862 Type R12

### Primary Applications

High-pressure extremely small bending radii applications

### Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

### Applicable Specifications

SAE 100R12 – DIN EN 856 Type R12 –  
ISO 3862 Type R12

### Construction

Tube: Synthetic rubber  
Reinforcement: Four spirals of high-tensile steel wire  
Cover: High abrasion resistance  
MSHA approved synthetic rubber

Temperature Range ..... -40 °C up to +125 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C



- *No-Skive* hose construction
- Half SAE 100R12 specified minimum bend radius
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
721TC-6	10	3/8	-6	9.5	20.0	28.0	4000	112.0	16000	65	0.59
721TC-8	12	1/2	-8	12.7	24.0	28.0	4000	112.0	16000	90	0.80
721TC-10	16	5/8	-10	15.9	27.0	28.0	4000	112.0	16000	100	1.10
721TC-12	20	3/4	-12	19.1	31.0	28.0	4000	112.0	16000	120	1.40
721TC-16	25	1	-16	25.4	38.0	28.0	4000	112.0	16000	150	1.99
721TC-20	32	1-1/4	-20	31.8	47.0	21.0	3000	84.0	12000	210	2.59
721TC-24	40	1-1/2	-24	38.1	53.0	17.5	2500	70.0	10000	250	2.99
721TC-32	50	2	-32	50.8	67.0	17.5	2500	70.0	10000	320	4.09

Replace the hose when any deformation or damage on the hose cover are visible.  
The combination of high temperature and high pressure could reduce the hose life.

# 731

## No-Skive Multispiral

ISO 3862 Type 4SH – DIN EN 856 Type 4SH



- *No-Skive* hose construction
- Reinforcement of four high tensile steel wires

### Primary Applications

General high pressure hydraulic applications

### Applicable Specifications

ISO 3862 Type 4SH – DIN EN 856 Type 4SH

### Construction

Tube: Synthetic rubber  
 Reinforcement: Four spirals of high-tensile steel wire  
 Cover: Synthetic rubber

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C  
 Water ..... max. +85 °C

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
731-12	20	3/4	-12	19.1	32.0	42.0	6000	168.0	24000	280	1.72
731-16	25	1	-16	25.4	39.0	38.0	5500	152.0	22000	340	2.14
731-20	32	1-1/4	-20	31.8	45.0	32.0	4700	130.0	18800	460	2.96
731-24	40	1-1/2	-24	38.1	53.0	29.0	4200	116.0	16800	560	3.20
731-32	50	2	-32	50.8	68.0	25.0	3600	100.0	14400	700	5.30

Tough Cover (MSHA approved) can be ordered with the extension „TC“ e. g. 731TC-...  
 The combination of high temperature and high pressure could reduce the hose life.

# 761

## No-Skive Multispiral

Ultra high pressure



- Creates new design possibilities for high pressure applications
- *No-Skive* design eliminates the need to remove the cover before crimping
- Durable, colour layline for easy and longer lasting identification
- Flexibility is comparable to SAE 100R15
- Constant working pressure of 56.0 MPa

### Primary Applications

High performance/high pressure applications such as construction, hydrostatic drive lines, agriculture, mining, test stands

### Construction

Tube: Synthetic rubber  
Reinforcement: Six spirals of high-tensile steel wire  
Cover: Abrasion resistant black synthetic rubber

### Recommended Fluids

Petroleum-based hydraulic fluids and lubricating oils. Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Temperature Range ..... -40 °C up to +125 °C

### Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
761-12	20	3/4	-12	19.1	34.8	56.0	8000	224.0	32000	260	2.32
761-16	25	1	-16	25.4	41.9	56.0	8000	224.0	32000	330	3.00

The combination of high temperature and high pressure could reduce the hose life.



# 772LT

## No-Skive Multispiral

Low-temperature spiral hose for extremely cold conditions

### Primary Applications

Snow grooming equipment, heavy construction equipment, sidebooms

### Applicable Specifications

Exceeds SAE 100R12 – ISO 3862 Type R12 – DIN EN 856 Type R12

### Construction

Tube: Nitrile (NBR)  
Reinforcement: Four high tensile steel wire braid  
Cover: Synthetic rubber

Temperature Range ..... -57 °C up to +100 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C



- *No-Skive* hose construction
- Exceeds SAE 100R12 / ISO 3862-1 Type R12 / DIN EN 856 Type R12
- Temperature range from -57 °C to 100 °C

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
772LT-8	12	1/2	-8	12.7	24.0	28.0	4000	112.0	16000	180	0.93
772LT-10	16	5/8	-10	15.9	27.0	28.0	4000	112.0	16000	200	1.10
772LT-12	20	3/4	-12	19.1	31.0	28.0	4000	112.0	16000	240	1.40
772LT-16	25	1	-16	25.4	38.0	28.0	4000	112.0	16000	300	1.99
772LT-20	32	1-1/4	-20	31.8	46.0	21.0	3000	84.0	12000	420	2.59
772LT-24	40	1-1/2	-24	38.1	53.0	17.5	2500	70.0	10000	500	2.99

The combination of high temperature and high pressure could reduce the hose life.

# 774

## No-Skive Multispiral

For phosphate ester base fluids

### Primary Applications

Test stands for aerospace, foundries, steel mills  
High pressure hydraulic applications with phosphate ester fluids

### Restrictions

Do not allow tube to contact any petroleum base fluids.  
Use liquid soap as hose lubricant.

### Applicable Specifications

Parker specifications

### Construction

Tube: Phosphate ester resistant EPDM synthetic rubber  
Reinforcement: Four spirals of high-tensile steel wire  
Cover: Phosphate ester and weather resistant, green, EPDM synthetic rubber cover

Temperature Range ..... -40 °C up to +80 °C



- *No-Skive* hose construction
- Phosphate ester and weather resistant, green, EPDM synthetic rubber cover

### Recommended Fluids

Phosphate ester base hydraulic fluids.  
Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series



Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm	mm	max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
774-12	20	3/4	-12	19.1	31.0	28.0	4000	112.0	16000	240	1.40
774-16	25	1	-16	25.4	38.0	28.0	4000	112.0	16000	300	1.99
774-20	32	1-1/4	-20	31.8	47.0	21.0	3000	84.0	12000	420	2.59
774-24	40	1-1/2	-24	38.1	53.0	17.5	2500	70.0	10000	500	2.99
774-32	50	2	-32	50.8	67.0	17.5	2500	70.0	10000	630	4.09

The combination of high temperature and high pressure could reduce the hose life.

# 781

## No-Skive Multispiral

SAE 100R13 – ISO 3862 Type R13 –  
DIN EN 856 Type R13

### Primary Applications

General extremely high pressure hydraulic applications

### Applicable Specifications

SAE 100R13 – ISO 3862 Type R13 –  
DIN EN 856 Type R13

### Construction

Tube: Synthetic rubber  
Reinforcement: Four or six spirals of high-tensile steel wire  
Cover: Synthetic rubber

Temperature Range ..... -40 °C up to +125 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C



- *No-Skive* hose construction
- Reinforcement of four or six high tensile steel wires
- Constant working pressure of 35.0 Mpa

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
781-12	20	3/4	-12	19.1	32.0	35.0	5000	140.0	20000	240	1.59
781-16	25	1	-16	25.4	39.0	35.0	5000	140.0	20000	300	2.20
781-20	32	1-1/4	-20	31.8	50.0	35.0	5000	140.0	20000	420	3.69
781-24	40	1-1/2	-24	38.1	57.0	35.0	5000	140.0	20000	500	4.79

The combination of high temperature and high pressure could reduce the hose life.

## P35

### No-Skive Multispiral

SAE 100R13 – ISO 3862 Type R13 –  
DIN EN 856 Type R13

#### Primary Applications

Mobile/ industrial hydraulics:

Generally extremely high pressure large flow hydraulic applications

#### Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

#### Applicable Specifications

SAE 100R13 – ISO 3862 Type R13 –  
DIN EN 856 Type R13

#### Construction

Tube: Synthetic rubber  
Reinforcement: Six spirals of high-tensile steel wire  
Cover: Synthetic rubber

Temperature Range ..... -40 °C up to +125 °C

Exception: Air ..... max. +70 °C

Water ..... max. +85 °C



- *No-Skive* hose construction
- Reinforcement of six high tensile steel wires

#### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

#### Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
P35-32	50	2	-32	50.8	71.0	35.0	5000	140.0	20000	630	7.48

The combination of high temperature and high pressure could reduce the hose life.



# 782TC

## No-Skive Multispiral

SAE 100R13 – ISO 3862 Type R13 –  
DIN EN 856 Type R13

### Primary Applications

Generally extremely high pressure hydraulic applications

### Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

### Applicable Specifications

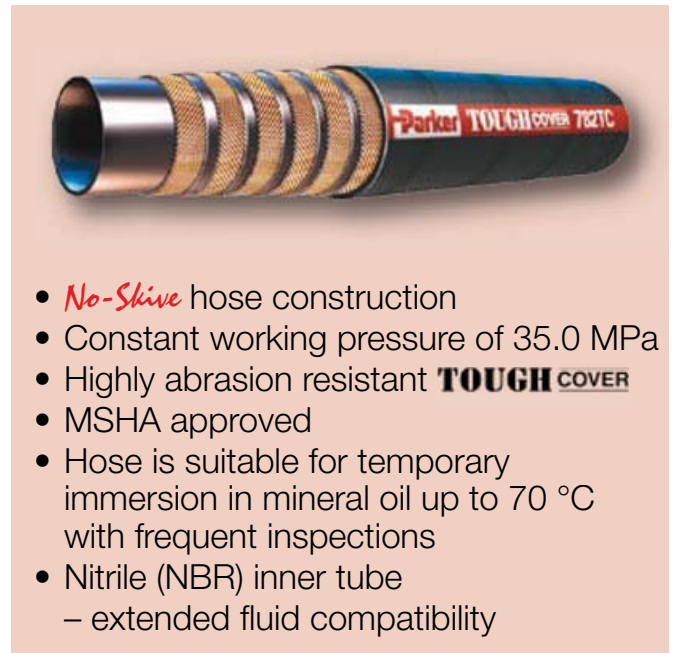
SAE 100R13 – ISO 3862 Type R13 –  
DIN EN 856 Type R13

### Construction

Tube: Nitrile (NBR)  
Reinforcement: Four spirals of high-tensile steel wire  
Cover: High abrasion resistance  
MSHA approved synthetic rubber

Temperature Range ..... -40 °C up to +125 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C



- *No-Skive* hose construction
- Constant working pressure of 35.0 MPa
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections
- Nitrile (NBR) inner tube  
– extended fluid compatibility

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series

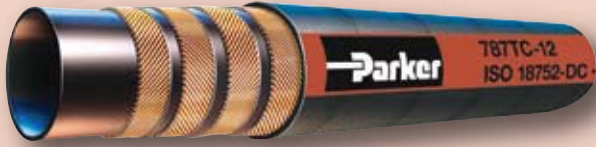


Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
782TC-12	20	3/4	-12	19.1	32.0	35.0	5000	140.0	20000	240	1.59
782TC-16	25	1	-16	25.4	39.0	35.0	5000	140.0	20000	300	2.20
782TC-20	32	1-1/4	-20	31.8	50.0	35.0	5000	140.0	20000	420	3.69
782TC-24	40	1-1/2	-24	38.1	57.0	35.0	5000	140.0	20000	500	4.79

Replace the hose when any deformation or damage on the hose cover are visible.  
The combination of high temperature and high pressure could reduce the hose life.

# 787TC

*No-Skive* Compact Spiral  
ISO 18752-DC



- 1/2 the bend radius of SAE 100R13
- Constant working pressure of 35.0 MPa
- Reduced O.D. and new construction lead to superior flexibility
- 1/3 less effort to bend
- Weight reduction – up to 26 %
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

## Primary Applications

On- & offshore, construction, injection moulding, mining

## Applicable Specifications

SAE 100R13 – ISO 3862 Type R13

## Construction

Tube: Proprietary synthetic rubber  
Reinforcement: Four spirals of high-tensile steel wire  
Cover: High abrasion resistance  
MSHA approved synthetic rubber

## Recommended Fluids

Petroleum base hydraulic fluids and lubricating oils.  
Wide Compatibility exceeding Column III, with additional chemical resistance, especially for diesel and biodiesel.  
For chemical compatibility please contact  
HPDE\_helpdesk@parker.com

Temperature Range ..... -40 °C up to +125 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C

## Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
787TC-8	12	1/2	-8	12.7	21.1	35	5000	140	20000	90	0.67
787TC-10	16	5/8	-10	15.9	23.9	35	5000	140	20000	100	0.80
787TC-12	20	3/4	-12	19.1	27.9	35	5000	140	20000	120	1.16
787TC-16	25	1	-16	25.4	35.7	35	5000	140	20000	150	1.74

Replace the hose when any deformation or damage on the hose cover are visible.  
The combination of high temperature and high pressure could reduce the hose life.

# 791TC / 792TC

## No-Skive Multispiral

SAE 100R15 – ISO 3862 Type R15

### Primary Applications

Mobile hydraulics: Hydrostatic drives  
General industrial hydraulics: Injection moulding machines  
Test stands

### Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

### Applicable Specifications

SAE 100R15 – ISO 3862 Type R15

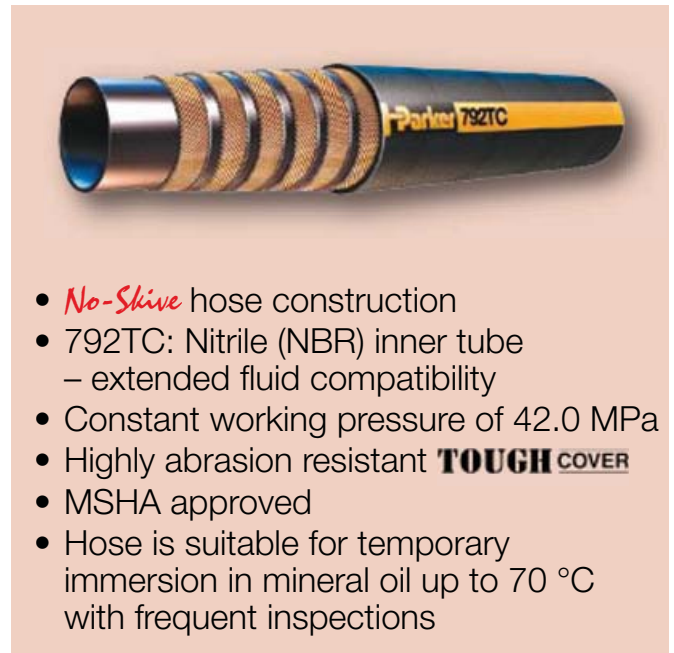
### Construction

Tube 791TC: Synthetic rubber  
Tube 792TC: Nitrile (NBR)  
Reinforcement: Four or six spirals of high-tensile steel wire  
Cover: High abrasion resistance  
MSHA approved synthetic rubber

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C

Water ..... max. +85 °C



- *No-Skive* hose construction
- 792TC: Nitrile (NBR) inner tube – extended fluid compatibility
- Constant working pressure of 42.0 MPa
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series




Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
792TC-12	20	3/4	-12	19.1	32.0	42.0	6000	168.0	24000	265	1.59
792TC-16	25	1	-16	25.4	39.0	42.0	6000	168.0	24000	330	2.20
791TC-20	32	1-1/4	-20	31.8	50.0	42.0	6000	168.0	24000	250	3.69
791TC-24	40	1-1/2	-24	38.1	57.0	42.0	6000	168.0	24000	305	4.79

Replace the hose when any deformation or damage on the hose cover are visible.  
The combination of high temperature and high pressure could reduce the hose life.

# 797TC

*No-Skive* Compact Spiral  
ISO 18752-DC



- 1/2 the bend radius of SAE 100R15
- Constant working pressure of 42.0 MPa
- Reduced O.D. and new construction lead to superior flexibility
- 1/3 less effort to bend
- Weight reduction – up to 26 %
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

## Primary Applications

On- & offshore, construction, injection moulding, mining

## Applicable Specifications

SAE 100R15 – ISO 3862 Type R15

## Construction

Tube: Proprietary synthetic rubber  
Reinforcement: Four spirals of high-tensile steel wire  
Cover: High abrasion resistance  
MSHA approved synthetic rubber

## Recommended Fluids

Petroleum base hydraulic fluids and lubricating oils.  
Wide Compatibility exceeding Column III, with additional chemical resistance, especially for diesel and biodiesel.  
For chemical compatibility please contact  
HPDE\_helpdesk@parker.com

Temperature Range ..... -40 °C up to +125 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C

## Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
797TC-8	12	1/2	-8	12.7	21.1	42	6000	168	24000	100	0.67
797TC-10	16	5/8	-10	15.9	23.9	42	6000	168	24000	115	0.80
797TC-12	20	3/4	-12	19.1	27.9	42	6000	168	24000	135	1.16
797TC-16	25	1	-16	25.4	35.7	42	6000	168	24000	165	1.74

Replace the hose when any deformation or damage on the hose cover are visible.  
The combination of high temperature and high pressure could reduce the hose life.

# F42

## No-Skive Multispiral

For phosphate ester base fluids

### Primary Applications

Test stands for aerospace, foundries, steel mills  
High pressure hydraulic applications with phosphate ester fluids

### Applicable Specifications

Parker Specification

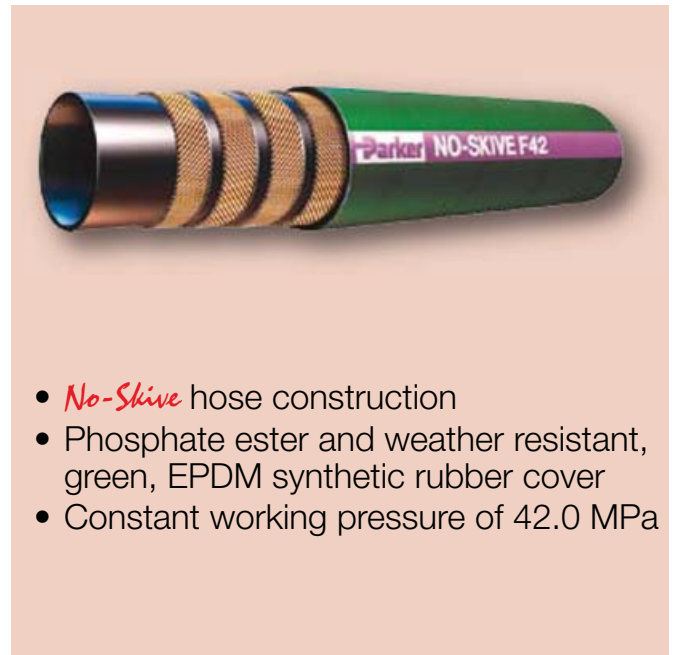
### Restrictions

Do not allow tube to contact any petroleum base fluids.  
Use liquid soap as hose lubricant.

### Construction

Tube: Phosphate ester resistant EPDM synthetic rubber  
Reinforcement: Four or six spirals of high-tensile steel wire  
Cover: Phosphate ester and weather resistant, green EPDM synthetic rubber cover

Temperature Range ..... -40 °C up to +80 °C  
Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C



- *No-Skive* hose construction
- Phosphate ester and weather resistant, green, EPDM synthetic rubber cover
- Constant working pressure of 42.0 MPa

### Recommended Fluids

Phosphate ester based hydraulic fluids, water-glycol based fluids, air and water.  
Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series

\* series 70 only for size -8



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
F42-8	12	1/2	-8	12.7	25.0	42.0	6000	168.0	24000	200	0.83
F42-12	20	3/4	-12	19.1	31.9	42.0	6000	168.0	24000	265	1.53
F42-16	25	1	-16	25.4	38.5	42.0	6000	168.0	24000	330	2.08
F42-20	32	1-1/4	-20	31.8	50	42.0	6000	168.0	24000	445	3.96

The combination of high temperature and high pressure could reduce the hose life.

## H29

### ParLock Multispiral

Exceeds ISO 3862 Type 4SH –  
DIN EN 856 Type 4SH

#### Primary Applications

General high pressure hydraulic applications

#### Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

#### Applicable Specifications

Exceeds ISO 3862 Type 4SH – DIN EN 856 Type 4SH

#### Construction

Tube: Synthetic rubber  
Reinforcement: Four spirals of high-tensile steel wire  
Cover: Synthetic rubber

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C



- Interlock technology
- Reinforcement of four high tensile steel wires

#### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

#### Fitting Series

Internal and external skiving



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
H29-12	20	3/4	-12	19.1	32.2	43.0	6250	172.0	25000	280	1.7
H29-16	25	1	-16	25.4	38.7	40.0	5800	160.0	23200	340	2.2
H29-20	32	1 1/4	-20	31.8	45.5	35.0	5000	140.0	20000	460	2.6
H29-24	38	1 1/2	-24	38.1	53.5	31.0	4500	124.0	18000	560	3.4
H29-32	50	2	-32	50.8	68.1	28.0	4050	112.0	16200	700	4.8

The combination of high temperature and high pressure could reduce the hose life.



# H29RH

## ParLock Multispiral

Fire-retardant cover – exceeds  
ISO 3862 Type 4SH – DIN EN 856 Type 4SH

### Primary Applications

General high pressure hydraulic applications

### Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

### Applicable Specifications

Exceeds ISO 3862 Type 4SH – DIN EN 856 Type 4SH

### Construction

Tube: Synthetic rubber  
Reinforcement: Four spirals of high-tensile steel wire  
Cover: Fire retardant synthetic rubber

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C



- Interlock technology
- Reinforcement of four high tensile steel wires
- Fire-retardant cover
- German Standard: **DIN 5510-2**
- French Standard: **NF F16-101/102 I2/F3**
- British Standard: **BS 6853 - Table 4**

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series

Internal and external skiving



Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm	mm	max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
H29RH-16	25	1	-16	25.4	38.7	40.0	5800	160.0	23200	340	2.2
H29RH-20	32	1 1/4	-20	31.8	45.5	35.0	5000	140.0	20000	460	2.6
H29RH-24	38	1 1/2	-24	38.1	53.5	31.0	4500	124.0	18000	560	3.4

The combination of high temperature and high pressure could reduce the hose life.

# H29TC

## ParLock Multispiral

Exceeds ISO 3862 Type 4SH –  
DIN EN 856 Type 4SH

### Primary Applications

General high pressure hydraulic applications

### Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

### Applicable Specifications

Exceeds ISO 3862 Type 4SH – DIN EN 856 Type 4SH

### Construction

Tube: Synthetic rubber  
Reinforcement: Four spirals of high-tensile steel wire  
Cover: High abrasion resistance  
MSHA approved synthetic rubber

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C



- Interlock technology
- Reinforcement of four high tensile steel wires
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series

Internal and external skiving



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
H29TC-12	20	3/4	-12	19.1	32.2	43.0	6250	172.0	25000	280	1.7
H29TC-16	25	1	-16	25.4	38.7	40.0	5800	160.0	23200	340	2.2
H29TC-20	32	1 1/4	-20	31.8	45.5	35.0	5000	140.0	20000	460	2.6
H29TC-24	38	1 1/2	-24	38.1	53.5	31.0	4500	124.0	18000	560	3.4
H29TC-32	50	2	-32	50.8	68.1	28.0	4050	112.0	16200	700	4.8

Replace the hose when any deformation or damage on the hose cover are visible.  
The combination of high temperature and high pressure could reduce the hose life.

# H29ST

## ParLock Multispiral

Exceeds ISO 3862 Type 4SH –  
DIN EN 856 Type 4SH



- Interlock technology
- Extreme abrasion resistant **SUPER TOUGH** cover
- Reinforcement of four high tensile steel wires

### Primary Applications

General high pressure hydraulic applications

### Applicable Specifications

Exceeds ISO 3862 Type 4SH – DIN EN 856 Type 4SH

### Construction

Tube: Synthetic rubber  
Reinforcement: Four spirals of high-tensile steel wire  
Cover: Synthetic rubber with special polyethylene coating

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series

Internal and external skiving



Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm	mm	max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
H29ST-12	20	3/4	-12	19.1	32.2	43.0	6250	172.0	25000	280	1.7
H29ST-16	25	1	-16	25.4	38.7	40.0	5800	160.0	23200	340	2.2
H29ST-20	32	1 1/4	-20	31.8	45.5	35.0	5000	140.0	20000	460	2.6
H29ST-24	38	1 1/2	-24	38.1	53.5	31.0	4500	124.0	18000	560	3.4
H29ST-32	50	2	-32	50.8	68.1	28.0	4050	112.0	16200	700	4.8

The combination of high temperature and high pressure could reduce the hose life.

# H31

## ParLock Multispiral

Exceeds ISO 3862 Type 4SP –  
DIN EN 856 Type 4SP

### Primary Applications

General high pressure hydraulic applications

### Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

### Applicable Specifications

Exceeds ISO 3862 Type 4SP – DIN EN 856 Type 4SP

### Construction

Tube: Synthetic rubber  
Reinforcement: Four spirals of high-tensile steel wire  
Cover: Synthetic rubber

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C

Water ..... max. +85 °C



- Interlock technology
- Reinforcement of four high tensile steel wires

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series

External skiving (size -4 up to -8)



Internal and external skiving (size -10 up to -16)



Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm	mm	max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
H31-4	6	1/4	-4	6.3	17.8	50.0	7250	200.0	29000	120	0.73
H31-6	10	3/8	-6	9.5	21.4	44.5	6450	178.0	25800	130	0.91
H31-8	12	1/2	-8	12.7	24.6	41.5	6000	166.0	24000	180	1.08
H31-10	16	5/8	-10	15.9	28.5	39.0	5650	156.0	22600	225	1.39
H31-12	20	3/4	-12	19.1	32.0	35.0	5000	140.0	20300	280	1.73
H31-16	25	1	-16	25.4	39.7	31.0	4500	124.0	18000	355	2.31

The combination of high temperature and high pressure could reduce the hose life.

# H31TC

## ParLock Multispiral

Exceeds ISO 3862 Type 4SP –  
DIN EN 856 Type 4SP

### Primary Applications

General high pressure hydraulic applications

### Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

### Applicable Specifications

Exceeds ISO 3862 Type 4SP – DIN EN 856 Type 4SP

### Construction

Tube: Synthetic rubber  
Reinforcement: Four spirals of high-tensile steel wire  
Cover: High abrasion resistance  
MSHA approved synthetic rubber

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C



- Interlock technology
- Reinforcement of four high tensile steel wires
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.  
Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series

External skiving (size -4 up to -8)

Internal and external skiving (size -10 up to -16)



Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm	mm	max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
H31TC-4	6	1/4	-4	6.3	17.8	50.0	7250	200.0	29000	120	0.73
H31TC-6	10	3/8	-6	9.5	21.4	44.5	6450	178.0	25800	130	0.91
H31TC-8	12	1/2	-8	12.7	24.6	41.5	6000	166.0	24000	180	1.08
H31TC-10	16	5/8	-10	15.9	28.5	39.0	5650	156.0	22600	225	1.39
H31TC-12	20	3/4	-12	19.1	32.0	35.0	5000	140.0	20300	280	1.73
H31TC-16	25	1	-16	25.4	39.7	31.0	4500	124.0	18000	355	2.31

Replace the hose when any deformation or damage on the hose cover are visible.  
The combination of high temperature and high pressure could reduce the hose life.

# H31ST

## ParLock Multispiral

Exceeds ISO 3862 Type 4SP –  
DIN EN 856 Type 4SP

### Primary Applications

General high pressure hydraulic applications

### Applicable Specifications

Exceeds ISO 3862 Type 4SP – DIN EN 856 Type 4SP

### Construction

Tube: Synthetic rubber  
Reinforcement: Four spirals of high-tensile steel wire  
Cover: Synthetic rubber with special polyethylene coating

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C



- Interlock technology
- Extreme abrasion resistant **SUPER TOUGH** cover
- Reinforcement of four high tensile steel wires

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series

External skiving (size -4 up to -8)

Internal and external skiving (size -10 up to -16)



Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm	mm	max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
H31ST-4	6	1/4	-4	6.3	17.8	50.0	7250	200.0	29000	120	0.73
H31ST-6	10	3/8	-6	9.5	21.4	44.5	6450	178.0	25800	130	0.91
H31ST-8	12	1/2	-8	12.7	24.6	41.5	6000	166.0	24000	180	1.08
H31ST-10	16	5/8	-10	15.9	28.5	39.0	5650	156.0	22600	225	1.39
H31ST-12	20	3/4	-12	19.1	32.0	35.0	5000	140.0	20300	280	1.73
H31ST-16	25	1	-16	25.4	39.7	31.0	4500	124.0	18000	355	2.31

The combination of high temperature and high pressure could reduce the hose life.



# R35

## ParLock Multispiral

Exceeds ISO 3862 Type R13 – Parker Specifications

### Primary Applications

General high pressure hydraulic applications

### Applicable Specifications

Exceeds ISO 3862 Type R13 – Parker Specifications

### Construction

Tube: Synthetic rubber  
Reinforcement: Four or six spirals of high-tensile steel wire  
Cover: Synthetic rubber

Temperature Range ..... -40 °C up to +125 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C



- Interlock technology
- Reinforcement of four or six high tensile steel wires
- Constant working pressure of 35.0 MPa

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series

Internal and external skiving (size -12, -16, -20)



Internal and external skiving (size -24, -32)



Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm	mm	max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
R35-12	20	3/4	-12	19.1	32.00	35.0	5 000	140.0	20 000	220	1.5
R35-16	25	1	-16	25.4	39.35	35.0	5 000	140.0	20 000	280	2.2
R35-20	32	1-1/4	-20	31.8	45.50	35.0	5 000	140.0	20 000	380	2.6
R35-24	40	1-1/2	-24	38.1	57.30	35.0	5 000	140.0	20 000	480	4.8
R35-32	50	2	-32	50.8	71.10	35.0	5 000	140.0	20 000	600	6.7

The combination of high temperature and high pressure could reduce the hose life.

# R35TC

## ParLock Multispiral

Exceeds ISO 3862 Type R13 – Parker Specifications

### Primary Applications

General high pressure hydraulic applications

### Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

### Applicable Specifications

Exceeds ISO 3862 Type R13 – Parker Specifications

### Construction

Tube: Synthetic rubber  
Reinforcement: Four or six spirals of high-tensile steel wire  
Cover: High abrasion resistance  
MSHA approved synthetic rubber

Temperature Range ..... -40 °C up to +125 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C




- Interlock technology
- Reinforcement of four or six high tensile steel wires
- Constant working pressure of 35.0 MPa
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections


### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series

Internal and external skiving (size -12, -16, -20) 

Internal and external skiving (size -24, -32) 

Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
R35TC-12	20	3/4	-12	19.1	32.00	35.0	5000	140.0	20000	220	1.5
R35TC-16	25	1	-16	25.4	39.35	35.0	5000	140.0	20000	280	2.2
R35TC-20	32	1-1/4	-20	31.8	45.50	35.0	5000	140.0	20000	380	2.6
R35TC-24	40	1-1/2	-24	38.1	57.30	35.0	5000	140.0	20000	480	4.8
R35TC-32	50	2	-32	50.8	71.10	35.0	5000	140.0	20000	600	6.7

Replace the hose when any deformation or damage on the hose cover are visible.  
The combination of high temperature and high pressure could reduce the hose life.

# R42

## ParLock Multispiral

Exceeds ISO 3862 Type R15 – Parker Specifications

### Primary Applications

General high pressure hydraulic applications

### Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

### Applicable Specifications

Exceeds ISO 3862 Type R15 – Parker Specifications

### Construction

Tube: Synthetic rubber  
Reinforcement: Four or six spirals of high-tensile steel wire  
Cover: Synthetic rubber

Temperature Range ..... -40 °C up to +125 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C



- Interlock technology
- Reinforcement of four or six high tensile steel wires
- Constant working pressure of 42.0 MPa

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series

Internal and external skiving (size -10, -12, -16)



Internal and external skiving (size -20, -24, -32)



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
R42-10	16	5/8	-10	15.9	28.50	42.0	6 000	168.0	24 000	225	1.39
R42-12	20	3/4	-12	19.1	32.00	42.0	6 000	168.0	24 000	280	1.70
R42-16	25	1	-16	25.4	39.00	42.0	6 000	168.0	24 000	300	2.30
R42-20	32	1-1/4	-20	31.8	50.75	42.0	6 000	168.0	24 000	400	3.80
R42-24	40	1-1/2	-24	38.1	57.00	42.0	6 000	168.0	24 000	500	4.80
R42-32	50	2	-32	50.8	71.50	42.0	6 000	168.0	24 000	700	7.00

The combination of high temperature and high pressure could reduce the hose life.

# R42TC

## ParLock Multispiral

Exceeds ISO 3862 Type R15 – Parker Specifications

### Primary Applications

General high pressure hydraulic applications

### Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

### Applicable Specifications

Exceeds ISO 3862 Type R15 – Parker Specifications

### Construction

Tube: Synthetic rubber  
Reinforcement: Four or six spirals of high-tensile steel wire  
Cover: High abrasion resistance  
MSHA approved synthetic rubber

Temperature Range ..... -40 °C up to +125 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C



- Interlock technology
- Reinforcement of four or six high tensile steel wires
- Constant working pressure of 42.0 MPa
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series

Internal and external skiving (size -10, -12, -16)



Internal and external skiving (size -20, -24, -32)



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
R42TC-10	16	5/8	-10	15.9	28.50	42.0	6 000	168.0	24 000	225	1.39
R42TC-12	20	3/4	-12	19.1	32.00	42.0	6 000	168.0	24 000	280	1.70
R42TC-16	25	1	-16	25.4	39.00	42.0	6 000	168.0	24 000	300	2.30
R42TC-20	32	1-1/4	-20	31.8	50.75	42.0	6 000	168.0	24 000	400	3.80
R42TC-24	40	1-1/2	-24	38.1	57.00	42.0	6 000	168.0	24 000	500	4.80
R42TC-32	50	2	-32	50.8	71.50	42.0	6 000	168.0	24 000	700	7.00

Replace the hose when any deformation or damage on the hose cover are visible.  
The combination of high temperature and high pressure could reduce the hose life.

# R42ST

## ParLock Multispiral

Exceeds ISO 3862 Type R15 – Parker Specifications



- Interlock technology
- Extreme abrasion resistant **SUPER TOUGH** cover
- Reinforcement of four or six high tensile steel wires
- Constant working pressure of 42.0 MPa

### Primary Applications

General high pressure hydraulic applications

### Applicable Specifications

Exceeds ISO 3862 Type R15 – Parker Specifications

### Construction

Tube: Synthetic rubber  
Reinforcement: Four or six spirals of high-tensile steel wire  
Cover: Synthetic rubber with special polyethylene coating

Temperature Range ..... -40 °C up to +125 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

### Fitting Series

Internal and external skiving (size -10, -12, -16)











Internal and external skiving (size -20, -24, -32)








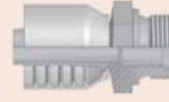
Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm	mm	max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
R42ST-10	16	5/8	-10	15.9	28.50	42.0	6 000	168.0	24 000	225	1.39
R42ST-12	20	3/4	-12	19.1	32.00	42.0	6 000	168.0	24 000	280	1.70
R42ST-16	25	1	-16	25.4	39.00	42.0	6 000	168.0	24 000	300	2.30
R42ST-20	32	1-1/4	-20	31.8	50.75	42.0	6 000	168.0	24 000	400	3.80
R42ST-24	40	1-1/2	-24	38.1	57.00	42.0	6 000	168.0	24 000	500	4.80
R42ST-32	50	2	-32	50.8	71.50	42.0	6 000	168.0	24 000	700	7.00

The combination of high temperature and high pressure could reduce the hose life.

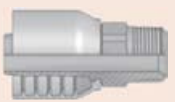

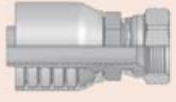


## DIN – Metric

Page Db-1 – Db-4			
<p><b>CA</b> Db-1</p>  <p>Female Metric 24° Light Series with O-Ring Swivel – Straight ISO 12151-2-SWS-L – DKOL</p>	<p><b>CE</b> Db-1</p>  <p>Female Metric 24° Light Series with O-Ring Swivel – 45° Elbow ISO 12151-2-SWE 45°-L – DKOL 45°</p>	<p><b>CF</b> Db-2</p>  <p>Female Metric 24° Light Series with O-Ring Swivel – 90° Elbow ISO 12151-2-SWE-L – DKOL 90°</p>	<p><b>D0</b> Db-2</p>  <p>Male Metric 24° Light Series – Rigid Straight ISO 12151-2-S-L – CEL</p>
<p><b>C9</b> Db-3</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring Straight ISO 12151-2-SWS-S – DKOS</p>	<p><b>0C</b> Db-3</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring 45° Elbow ISO 12151-2 – SWE 45°-S – DKOS 45°</p>	<p><b>1C</b> Db-4</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring 90° Elbow ISO 12151-2-SWE-S – DKOS 90°</p>	<p><b>D2</b> Db-4</p>  <p>Male Metric 24° – Rigid Heavy Series – Straight ISO 12151-2-S-S – CES</p>

## BSP







Page Db-5 – Db-7			
<p><b>92</b> Db-5</p>  <p>Female BSP Parallel Pipe Swivel – Straight (60° Cone) BS5200-A – DKR</p>	<p><b>B1</b> Db-5</p>  <p>Female BSP Parallel Pipe Swivel 45° Elbow (60° Cone) BS 5200-D – DKR 45°</p>	<p><b>B2</b> Db-6</p>  <p>Female BSP Parallel Pipe Swivel 90° Elbow (60° Cone) BS 5200-B – DKR 90°</p>	<p><b>EA</b> Db-6</p>  <p>BSP Swivel Female with O-Ring (60° Cone) BS 5200 – ISO 12151-6 – DKOR</p>
<p><b>EC</b> Db-7</p>  <p>BSP Swivel Female with O-Ring 90° Elbow (60° Cone) BS 5200 – ISO 12151-6 – DKOR 90°</p>	<p><b>D9</b> Db-7</p>  <p>Male BSP Parallel Pipe Rigid – Straight (60° Cone) BS5200 – AGR</p>		

## SAE







Page Db-8 – Db-10			
<p><b>01</b> Db-8</p>  <p>Male NPTF Pipe Rigid – Straight SAE J476A / J516 – AGN</p>	<p><b>03</b> Db-8</p>  <p>Male JIC 37° – Rigid Straight ISO12151-5-S – AGJ</p>	<p><b>06</b> Db-9</p>  <p>Female JIC 37° – Swivel Straight ISO12151-5-SWS – DKJ</p>	<p><b>37</b> Db-10</p>  <p>Female JIC 37° – Swivel 45° Elbow ISO 12151-5-SWE 45° – DKJ 45°</p>
<p><b>39/3W</b> Db-10</p>  <p>Female JIC 37° SAE 45° – Dual Flare Swivel Female 90° Elbow ISO 12151-5-SWES – DKJ 90°</p>			




## Flange

Page Db-11 – Db-13			
<p><b>15</b> Db-11</p>  <p>SAE Code 61 – Flange Head Straight ISO 12151-3-S-L – SFL 3000 psi</p>	<p><b>17</b> Db-11</p>  <p>SAE Code 61 – Flange Head 45° Elbow ISO 12151-3 – E45 – L – SFL 45° 3000 psi</p>	<p><b>19</b> Db-12</p>  <p>SAE Code 61 – Flange Head 90° Elbow ISO 12151-3 – E – L – SFL 90° 3000 psi</p>	<p><b>6A</b> Db-12</p>  <p>SAE Code 62 Flange Straight ISO 12151-3-S-S – SFS 6000 psi</p>
<p><b>6F</b> Db-13</p>  <p>SAE Code 62 Flange 45° Elbow – Heavy Series ISO 12151-3 – E45-S – SFS 45° 6000 psi</p>	<p><b>6N</b> Db-13</p>  <p>SAE Code 62 Flange 90° Elbow ISO 12151-3 – E-S – SFS 90° 6000 psi</p>		



## ORFS

Page Db-14 – Db-16			
<p><b>JC</b> Db-14</p>  <p>Female ORFS Swivel – Straight Short ISO 12151-1 – SWSA SAE J516 – ORFS</p>	<p><b>JS</b> Db-14</p>  <p>ORFS Swivel Female (Long) ISO 12151-1-SWSB SAE J516 – ORFS</p>	<p><b>J7</b> Db-15</p>  <p>Female ORFS – Swivel 45° Elbow ISO 12151-1 – SWE 45° SAE J516 – ORFS 45°</p>	<p><b>J9</b> Db-15</p>  <p>Female ORFS – Swivel 90° Elbow – Short Drop ISO 12151-1 – SWES SAE J516 – ORFS 90°</p>
<p><b>J1</b> Db-16</p>  <p>Female ORFS – Swivel 90° Elbow – Long Drop ISO 12151-1 – SWEL SAE J516 – ORFS 90° L</p>	<p><b>JM</b> Db-16</p>  <p>ORFS Male ISO 12151-1-S – SAE J516</p>		



## JIS

Page Db-17
<p><b>MU</b> Db-17</p>  <p>Female Metric – Swivel Straight (30° Flare) JIS B8363 – MU</p>

## French Standard

Page Db-18	
<p><b>FG</b> Db-18</p>  <p>Male French Gas Series Rigid – Straight (24° Cone)</p>	<p><b>F4</b> Db-18</p>  <p>Female French Gas Series Swivel – Straight (Ball Nose)</p>

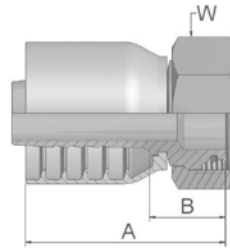
## Others

Page Db-19	
<p><b>XU</b> Db-19</p>  <p>Female Metric – Swivel Straight (30° Flare) JIS B8363</p>	<p><b>XY</b> Db-19</p>  <p>Female Metric – Swivel 90° Elbow (30° Flare) JIS B8363</p>



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

ISO 12151-2-SWS-L – DKOL

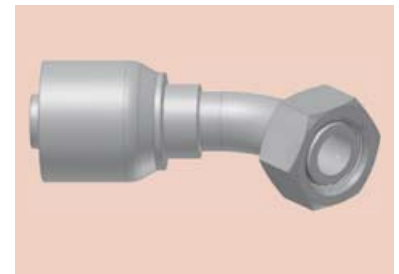
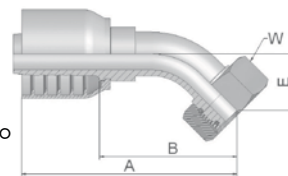


XXXXX-XX-XX Part Number 70	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
1CA70-10-6	10	3/8	-6	9.5	M16x1.5	10	53	24	19
1CA70-12-6	10	3/8	-6	9.5	M18x1.5	12	53	24	22
1CA70-15-8	12	1/2	-8	12.7	M22x1.5	15	62	27	27
1CA70-18-8	12	1/2	-8	12.7	M26x1.5	18	57	22	32
1CA70-15-10	16	5/8	-10	15.9	M22x1.5	15	64	27	27
1CA70-18-10	16	5/8	-10	15.9	M26x1.5	18	62	26	32
1CA70-22-10	16	5/8	-10	15.9	M30x2	22	64	24	36
1CA70-18-12	20	3/4	-12	19.1	M26x1.5	18	65	26	32
1CA70-22-12	20	3/4	-12	19.1	M30x2	22	63	24	36
1CA70-28-12	20	3/4	-12	19.1	M36x2	28	66	26	41
1CA70-28-16	25	1	-16	25.4	M36x2	28	78	33	41
1CA70-35-16	25	1	-16	25.4	M45x2	35	76	31	50

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.  
Attention: Hose assembly pressure is reduced; see page Ab-8

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

ISO 12151-2-SWE 45°-L – DKOL 45°



XXXXX-XX-XX Part Number 70	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
1CE70-12-6	10	3/8	-6	9.5	M18x1.5	12	69	40	20	22
1CE70-15-8	12	1/2	-8	12.7	M22x1.5	15	85	50	24	27
1CE70-18-10	16	5/8	-10	15.9	M26x1.5	18	89	49	23	32
1CE70-22-12	20	3/4	-12	19.1	M30x2	22	98	58	26	36
1CE70-28-16	25	1	-16	25.4	M36x2	28	125	80	34	41

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.  
Attention: Hose assembly pressure is reduced; see page Ab-8

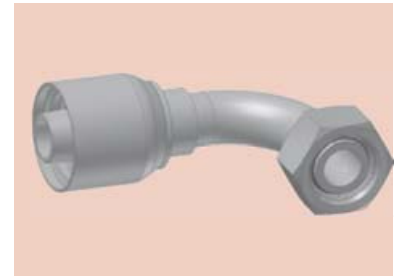
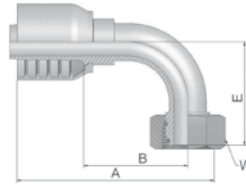
Approved **fitting series** for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

**70** 371LT 372 372RH 372TC 701 F42-8

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

ISO 12151-2-SWE-L – DKOL 90°

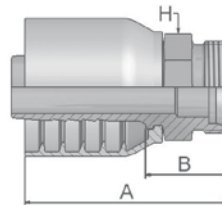


XXXXX-XX-XX Part Number 70	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
1CF70-10-6	10	3/8	-6	9.5	M16x1.5	10	67	38	38	19
1CF70-12-6	10	3/8	-6	9.5	M18x1.5	12	67	38	37	22
1CF70-15-8	12	1/2	-8	12.7	M22x1.5	15	74	39	45	27
1CF70-18-8	12	1/2	-8	12.7	M26x1.5	18	71	36	40	32
1CF70-15-10	16	5/8	-10	15.9	M22x1.5	15	79	42	50	27
1CF70-18-10	16	5/8	-10	15.9	M26x1.5	18	79	42	49	32
1CF70-18-12	20	3/4	-12	19.1	M26x1.5	18	89	50	56	32
1CF70-22-12	20	3/4	-12	19.1	M30x2	22	89	49	55	36
1CF70-28-16	25	1	-16	25.4	M36x2	28	113	68	73	41
1CF70-35-16	25	1	-16	25.4	M45x2	35	115	68	69	50

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.  
Attention: Hose assembly pressure is reduced; see page Ab-8

## D0 Male Metric 24° Light Series – Rigid Straight

ISO 12151-2-S-L – CEL



XXXXX-XX-XX Part Number 70	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	H mm
	DN	Inch	Size	mm					
1D070-15-8	12	1/2	-8	12.7	M22x1.5	15	60	26	22
1D070-18-10	16	5/8	-10	15.9	M26x1.5	18	65	28	27
1D070-22-12	20	3/4	-12	19.1	M30x2	22	69	30	30
1D070-28-16	25	1	-16	25.4	M36x2	28	79	32	36

Attention: Hose assembly pressure is reduced; see page Ab-8

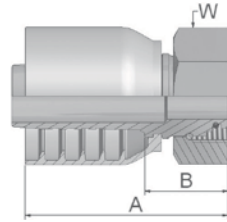
Approved **fitting series** for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

70 371LT 372 372RH 372TC 701 F42-8

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

ISO 12151-2-SWS-S – DKOS

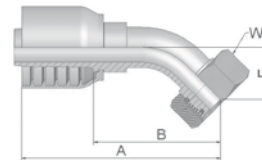


XXXXX-XX-XX Part Number 70	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
1C970-8-6	10	3/8	-6	9.5	M16x1.5	8	53	24	19
1C970-12-6	10	3/8	-6	9.5	M20x1.5	12	52	22	24
1C970-14-6	10	3/8	-6	9.5	M22x1.5	14	53	24	27
1C970-12-8	12	1/2	-8	12.7	M20x1.5	12	60	25	24
1C970-16-8	12	1/2	-8	12.7	M24x1.5	16	59	24	30
1C970-20-8	12	1/2	-8	12.7	M30x2	20	59	25	36
1C970-16-10	16	5/8	-10	15.9	M24x1.5	16	67	27	30
1C970-20-10	16	5/8	-10	15.9	M30x2	20	64	27	36
1C970-25-10	16	5/8	-10	15.9	M36x2	25	65	29	46
1C970-20-12	20	3/4	-12	19.1	M30x2	20	67	27	36
1C970-25-12	20	3/4	-12	19.1	M36x2	25	68	28	46
1C970-25-16	25	1	-16	25.4	M36x2	25	78	33	46
1C970-30-16	25	1	-16	25.4	M42x2	30	80	33	50

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C. Find O-rings in section E. Special O-rings are available on request.

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

ISO 12151-2 – SWE 45°-S – DKOS 45°



XXXXX-XX-XX Part Number 70	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
10C70-12-6	10	3/8	-6	9.5	M20x1.5	12	69	40	20	24
10C70-14-6	10	3/8	-6	9.5	M22x1.5	14	76	46	20	27
10C70-16-8	12	1/2	-8	12.7	M24x1.5	16	83	48	24	30
10C70-16-10	16	5/8	-10	15.9	M24x1.5	16	89	49	23	30
10C70-20-10	16	5/8	-10	15.9	M30x2	20	91	52	25	36
10C70-25-10	16	5/8	-10	15.9	M36x2	25	92	56	27	46
10C70-20-12	20	3/4	-12	19.1	M30x2	20	100	60	29	36
10C70-25-12	20	3/4	-12	19.1	M36x2	25	101	61	30	46
10C70-25-16	25	1	-16	25.4	M36x2	25	127	75	32	46
10C70-30-16	25	1	-16	25.4	M42x2	30	126	79	36	50

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C. Find O-rings in section E. Special O-rings are available on request.

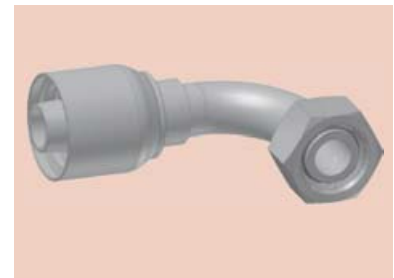
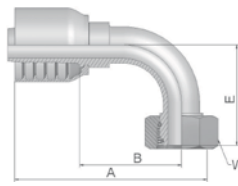
Approved **fitting series** for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

70 371LT 372 372RH 372TC 701 F42-8

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

ISO 12151-2-SWE-S – DKOS 90°

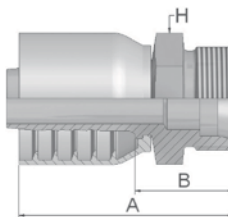


XXXXX-XX-XX Part Number 70	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
11C70-8-6	10	3/8	-6	9.5	M16x1.5	8	67	38	37	19
11C70-12-6	10	3/8	-6	9.5	M20x1.5	12	67	38	37	24
11C70-14-6	10	3/8	-6	9.5	M22x1.5	14	65	35	37	27
11C70-16-8	12	1/2	-8	12.7	M24x1.5	16	72	37	45	30
11C70-20-8	12	1/2	-8	12.7	M30x2	20	75	40	46	36
11C70-16-10	16	5/8	-10	15.9	M24x1.5	16	79	40	45	30
11C70-20-10	16	5/8	-10	15.9	M30x2	20	79	40	48	36
11C70-25-10	16	5/8	-10	15.9	M36x2	25	85	46	52	46
11C70-25-12	20	3/4	-12	19.1	M36x2	25	89	49	59	46
11C70-30-12	20	3/4	-12	19.1	M42x2	30	89	50	60	50
11C70-25-16	25	1	-16	25.4	M36x2	25	115	68	70	46
11C70-30-16	25	1	-16	25.4	M42x2	30	115	68	76	50

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C. Find O-rings in section E. Special O-rings are available on request.

# D2 Male Metric 24° – Rigid Heavy Series – Straight

ISO 12151-2-S-S – CES



XXXXX-XX-XX Part Number 70	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	H mm
	DN	Inch	Size	mm					
1D270-12-6	10	3/8	-6	9.5	M20x1.5	12	53	24	22
1D270-14-6	10	3/8	-6	9.5	M22x1.5	14	55	25	22
1D270-16-8	12	1/2	-8	12.7	M24x1.5	16	62	28	24
1D270-20-8	12	1/2	-8	12.7	M30x2	20	67	32	30
1D270-20-10	16	5/8	-10	15.9	M30x2	20	75	32	30
1D270-20-12	20	3/4	-12	19.1	M30x2	20	72	33	30
1D270-25-12	20	3/4	-12	19.1	M36x2	25	74	35	36
1D270-25-16	25	1	-16	25.4	M36x2	25	84	37	36
1D270-30-16	25	1	-16	25.4	M42x2	30	85	40	46

Approved **fitting series** for hose types:

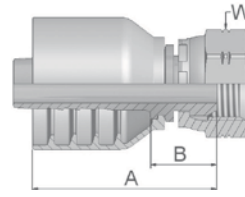
Also available in stainless steel. Details can be found in CAT 4400.1/UK

70 371LT 372 372RH 372TC 701 F42-8



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

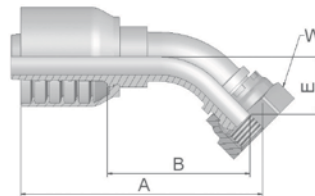
BS5200-A – DKR



XXXXX-XX-XX Part Number 70	Hose I.D.				Thread BSP	A mm	B mm	W mm
	DN	Inch	Size	mm				
19270-6-6	10	3/8	-6	9.5	3/8x19	49	20	22
19270-8-6	10	3/8	-6	9.5	1/2x14	51	22	27
19270-8-8	12	1/2	-8	12.7	1/2x14	57	22	27
19270-10-8	12	1/2	-8	12.7	5/8x14	55	20	30
19270-10-10	16	5/8	-10	15.9	5/8x14	57	21	30
19270-12-10	16	5/8	-10	15.9	3/4x14	61	22	32
19270-12-12	20	3/4	-12	19.1	3/4x14	61	22	32
19270-16-12	20	3/4	-12	19.1	1x11	63	24	41
19270-16-16	25	1	-16	25.4	1x11	76	27	41

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

BS 5200-D – DKR 45°



XXXXX-XX-XX Part Number 70	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1B170-4-6	10	3/8	-6	9.5	1/4x19	68	39	19	19
1B170-6-6	10	3/8	-6	9.5	3/8x19	67	37	17	22
1B170-8-6	10	3/8	-6	9.5	1/2x14	68	39	19	27
1B170-8-8	12	1/2	-8	12.7	1/2x14	79	45	20	27
1B170-10-8	12	1/2	-8	12.7	5/8x14	78	43	19	30
1B170-10-10	16	5/8	-10	15.9	5/8x14	90	50	24	30
1B170-12-10	16	5/8	-10	15.9	3/4x14	88	49	22	32
1B170-12-12	20	3/4	-12	19.1	3/4x14	96	57	25	32
1B170-16-12	20	3/4	-12	19.1	1x11	95	56	24	41
1B170-16-16	25	1	-16	25.4	1x11	120	75	31	41

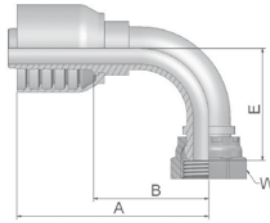
Approved fitting series for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

70 371LT 372 372RH 372TC 701 F42-8

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

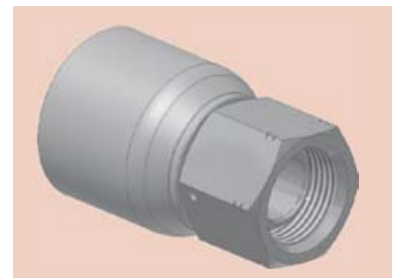
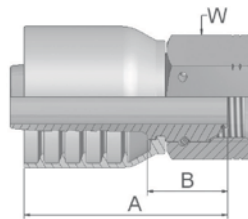
BS 5200-B – DKR 90°



XXXXX-XX-XX Part Number 70	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1B270-6-6	10	3/8	-6	9.5	3/8x19	66	37	33	22
1B270-8-6	10	3/8	-6	9.5	1/2x14	66	37	35	27
1B270-8-8	12	1/2	-8	12.7	1/2x14	70	35	39	27
1B270-10-8	12	1/2	-8	12.7	5/8x14	74	39	38	30
1B270-10-10	16	5/8	-10	15.9	5/8x14	81	44	47	30
1B270-12-10	16	5/8	-10	15.9	3/4x14	92	52	59	32
1B270-16-10	16	5/8	-10	15.9	1x11	86	46	44	41
1B270-12-12	20	3/4	-12	19.1	3/4x14	89	50	53	32
1B270-16-12	20	3/4	-12	19.1	1x11	89	49	51	41
1B270-16-16	25	1	-16	25.4	1x11	116	69	69	41

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

BS 5200 – ISO 12151-6 – DKOR



XXXXX-XX-XX Part Number 70	Hose I.D.				Thread BSP	A mm	B mm	W mm
	DN	Inch	Size	mm				
1EA70-8-8	12	1/2	-8	12.7	1/2x14	56	21	27
1EA70-12-12	20	3/4	-12	19.1	3/4x14	63	23	32
1EA70-16-16	25	1	-16	25.4	1x11	76	31	41

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:

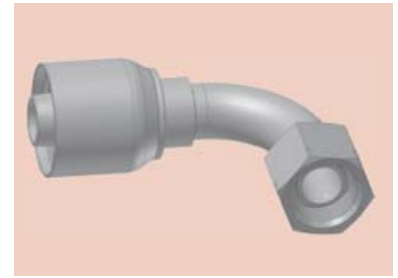
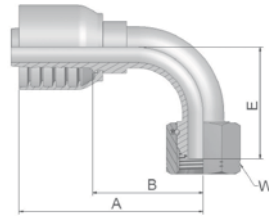
Also available in stainless steel. Details can be found in CAT 4400.1/UK

70 371LT 372 372RH 372TC 701 F42-8

**EC**

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

BS 5200 – ISO 12151-6 – DKOR 90°



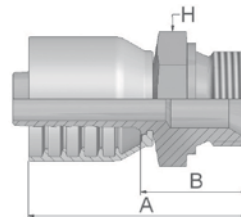
XXXXX-XX-XX Part Number 70	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1EC70-8-8	12	1/2	-8	12.7	1/2x14	71	36	40	27
1EC70-12-12	20	3/4	-12	19.1	3/4x14	89	50	55	32
1EC70-16-16	25	1	-16	25.4	1x11	115	68	71	41

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

**D9**

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

BS5200 – AGR



XXXXX-XX-XX Part Number 70	Hose I.D.				Thread BSP	A mm	B mm	H mm
	DN	Inch	Size	mm				
1D970-6-6	10	3/8	-6	9.5	3/8x19	57	28	22
1D970-8-6	10	3/8	-6	9.5	1/2x14	60	31	27
1D970-8-8	12	1/2	-8	12.7	1/2x14	62	28	27
1D970-10-8	12	1/2	-8	12.7	5/8x14	70	36	30
1D970-12-8	12	1/2	-8	12.7	3/4x14	69	35	32
1D970-10-10	16	5/8	-10	15.9	5/8x14	75	36	30
1D970-12-10	16	5/8	-10	15.9	3/4x14	72	35	32
1D970-12-12	20	3/4	-12	19.1	3/4x14	70	30	32
1D970-16-12	20	3/4	-12	19.1	1x11	77	38	41
1D970-16-16	25	1	-16	25.4	1x11	85	40	41

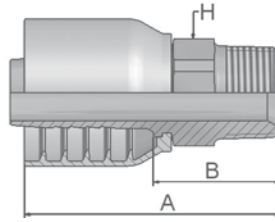
Approved **fitting series** for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

70 371LT 372 372RH 372TC 701 F42-8

# 01 Male NPTF Pipe Rigid – Straight

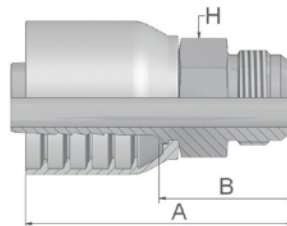
SAE J476A / J516 – AGN



XXXXX-XX-XX Part Number 70	Hose I.D.				Thread NPTF	A mm	B mm	H mm
	DN	Inch	Size	mm				
10170-6-6-SM	10	3/8	-6	9.5	3/8x18	60	31	19
10170-12-8-SM	12	1/2	-8	12.7	3/4x14	68	33	27
10170-8-10-SM	16	5/8	-10	15.9	1/2x14	75	38	24
10170-12-10-SM	16	5/8	-10	15.9	3/4x14	71	34	27
10170-12-12-SM	20	3/4	-12	19.1	3/4x14	79	39	32
10170-16-12-SM	20	3/4	-12	19.1	1x11-1/2	79	39	36
10170-16-16-SM	25	1	-16	25.4	1x11-1/2	93	46	36

# 03 Male JIC 37° – Rigid Straight

ISO12151-5-S – AGJ



XXXXX-XX-XX Part Number 70	Hose I.D.				Thread UNF	A mm	B mm	H mm
	DN	Inch	Size	mm				
10370-6-6-SM	10	3/8	-6	9.5	9/16x18	60	31	19
10370-8-6-SM	10	3/8	-6	9.5	3/4x16	59	29	19
10370-8-8-SM	12	1/2	-8	12.7	3/4x16	68	33	22
10370-10-8-SM	12	1/2	-8	12.7	7/8x14	67	32	24
10370-12-8-SM	12	1/2	-8	12.7	1-1/16x12	71	36	27
10370-10-10-SM	16	5/8	-10	15.9	7/8x14	75	38	24
10370-12-10-SM	16	5/8	-10	15.9	1-1/16x12	75	36	27
10370-12-12-SM	20	3/4	-12	19.1	1-1/16x12	82	42	27
10370-16-12-SM	20	3/4	-12	19.1	1-5/16x12	77	38	36
10370-16-16-SM	25	1	-16	25.4	1-5/16x12	94	47	36

Approved fitting series for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

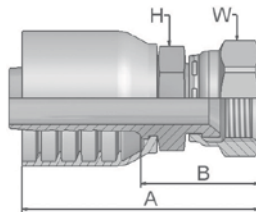
SM: Metric Hexagon

70 371LT 372 372RH 372TC 701 F42-8

06

**Female JIC 37° – Swivel  
Straight**

ISO12151-5-SWS – DKJ



XXXXX-XX-XX Part Number 70	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
10670-6-6-SM	10	3/8	-6	9.5	9/16x18	58	29	17	19
10670-8-6-SM	10	3/8	-6	9.5	3/4x16	61	32	19	22
10670-10-6-SM*	10	3/8	-6	9.5	7/8x14	64	35	22	27
10670-8-8-SM*	12	1/2	-8	12.7	3/4x16	67	32	22	22
10670-10-8-SM*	12	1/2	-8	12.7	7/8x14	70	35	22	27
10670-12-8-SM	12	1/2	-8	12.7	1-1/16x12	71	36	27	32
10670-8-10-SM*	16	5/8	-10	15.9	3/4x16	73	36	24	22
10670-12-10-SM	16	5/8	-10	15.9	1-1/16x12	79	39	27	32
10670-12-12-SM	20	3/4	-12	19.1	1-1/16x12	80	41	27	32
10670-14-12-SM	20	3/4	-12	19.1	1-3/16x12	81	42	32	36
10670-16-12-SM	20	3/4	-12	19.1	1-5/16x12	84	45	32	41
10670-12-16-SM	25	1	-16	25.4	1-1/16x12	89	44	36	32
10670-16-16-SM	25	1	-16	25.4	1-5/16x12	92	47	36	41
10670-20-16-SM	25	1	-16	25.4	1-5/8x12	98	52	41	50

\* These fittings contain a dual seat that accepts both JIC (37°) and SAE (45°) male configurations. The other sizes accept the JIC (37°) male configurations only.

Approved **fitting series** for hose types:

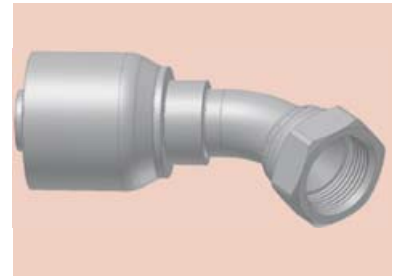
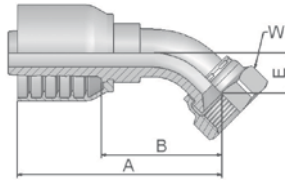
Also available in stainless steel. Details can be found in CAT 4400.1/UK

SM: Metric Hexagon

70 371LT 372 372RH 372TC 701 F42-8

### 37 Female JIC 37° – Swivel 45° Elbow

ISO 12151-5-SWE 45° – DKJ 45°

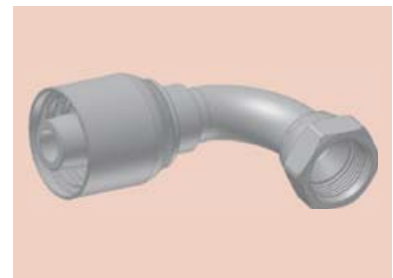
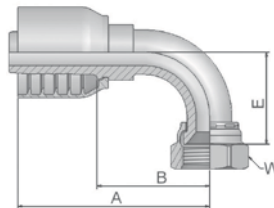


XXXXX-XX-XX Part Number 70	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
13770-6-6-SM	10	3/8	-6	9.5	9/16x18	61	31	10	19
13770-8-6-SM*	10	3/8	-6	9.5	3/4x16	70	41	14	22
13770-8-8-SM*	12	1/2	-8	12.7	3/4x16	73	38	14	22
13770-10-8-SM*	12	1/2	-8	12.7	7/8x14	78	43	17	27
13770-8-10-SM*	16	5/8	-10	15.9	3/4x16	78	39	15	22
13770-10-10-SM*	16	5/8	-10	15.9	7/8x14	83	44	17	27
13770-12-10-SM	16	5/8	-10	15.9	1-1/16x12	85	48	21	32
13770-12-12-SM	20	3/4	-12	19.1	1-1/16x12	91	52	20	32
13770-16-12-SM	20	3/4	-12	19.1	1-5/16x12	95	56	24	41
13770-16-16-SM	25	1	-16	25.4	1-5/16x12	111	66	24	41
13770-20-16-SM	25	1	-16	25.4	1-5/8x12	113	67	26	50

\* These fittings contain a dual seat that accepts both JIC (37°) and SAE (45°) male configurations. The other sizes accept the JIC (37°) male configurations only.

### 39/3W Female JIC 37° SAE 45° – Dual Flare Swivel Female 90° Elbow

ISO 12151-5-SWES – DKJ 90°



XXXXX-XX-XX Part Number 70	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
13970-6-6-SM	10	3/8	-6	9.5	9/16x18	57	28	23	19
13W70-8-6-SM	10	3/8	-6	9.5	3/4x16	64	35	28	22
13970-6-8-SM	12	1/2	-8	12.7	9/16x18	64	29	22	19
13970-8-8-SM*	12	1/2	-8	12.7	3/4x16	68	33	28	22
13970-10-8-SM*	12	1/2	-8	12.7	7/8x14	74	39	32	27
13970-8-10-SM*	16	5/8	-10	15.9	3/4x16	74	34	28	22
13970-10-10-SM*	16	5/8	-10	15.9	7/8x14	80	41	33	27
13970-12-10-SM	16	5/8	-10	15.9	1-1/16x12	88	48	47	32
13970-12-12-SM	20	3/4	-12	19.1	1-1/16x12	89	50	48	32
13970-16-12-SM	20	3/4	-12	19.1	1-5/16x12	89	50	51	41
13970-12-16-SM	25	1	-16	25.4	1-1/16x12	99	54	46	32
13970-16-16-SM	25	1	-16	25.4	1-5/16x12	109	64	56	41
13970-20-16-SM	25	1	-16	25.4	1-5/8x12	109	64	62	50

\* These fittings contain a dual seat that accepts both JIC (37°) and SAE (45°) male configurations. The other sizes accept the JIC (37°) male configurations only.

Approved fitting series for hose types:

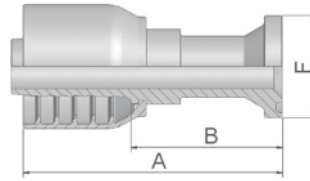
Also available in stainless steel. Details can be found in CAT 4400.1/UK

SM: Metric Hexagon

70 371LT 372 372RH 372TC 701 F42-8

## 15 SAE Code 61 – Flange Head Straight

ISO 12151-3-S-L – SFL  
3000 psi

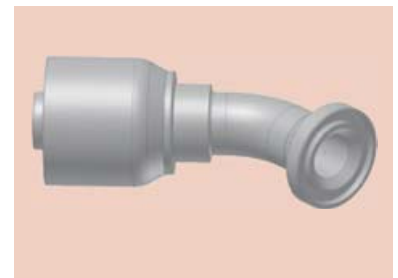
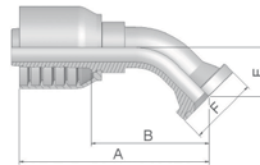


XXXXX-XX-XX Part Number 70	Hose I.D.				Flange	A mm	B mm	F mm
	DN	Inch	Size	mm				
11570-8-8	12	1/2	-8	12.7	1/2	89	54	30
11570-10-10	16	5/8	-10	15.9	5/8	116	79	34
11570-12-10	16	5/8	-10	15.9	3/4	69	30	38
11570-12-12	20	3/4	-12	19.1	3/4	98	59	38
11570-16-12	20	3/4	-12	19.1	1	70	31	45
11570-20-12	20	3/4	-12	19.1	1-1/4	75	36	51
11570-12-16	25	1	-16	25.4	3/4	111	66	38
11570-16-16	25	1	-16	25.4	1	108	63	45
11570-20-16	25	1	-16	25.4	1-1/4	83	36	51

Find SAE flange halves in section Eb.  
Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

## 17 SAE Code 61 – Flange Head 45° Elbow

ISO 12151-3 – E45 – L – SFL 45°  
3000 psi



XXXXX-XX-XX Part Number 70	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
11770-8-8	12	1/2	-8	12.7	1/2	79	44	20	30
11770-10-10	16	5/8	-10	15.9	5/8	104	67	24	34
11770-12-10	16	5/8	-10	15.9	3/4	96	57	26	38
11770-12-12	20	3/4	-12	19.1	3/4	97	58	26	38
11770-16-12	20	3/4	-12	19.1	1	98	58	26	45
11770-16-16	25	1	-16	25.4	1	121	74	32	45
11770-20-16	25	1	-16	25.4	1-1/4	121	76	32	51

Find SAE flange halves in section Eb.  
Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:

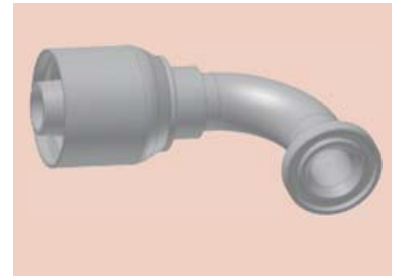
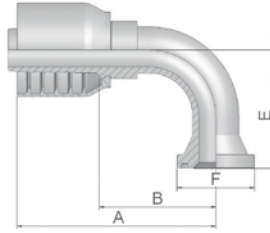
Also available in stainless steel. Details can be found in CAT 4400.1/UK

70 371LT 372 372RH 372TC 701 F42-8



## 19 SAE Code 61 – Flange Head 90° Elbow

ISO 12151-3 – E– L – SFL 90°  
3000 psi



XXXXX-XX-XX Part Number 70	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
11970-8-8	12	1/2	-8	12.7	1/2	75	40	41	30
11970-12-8	12	1/2	-8	12.7	3/4	77	42	42	38
11970-10-10	16	5/8	-10	15.9	5/8	92	55	55	34
11970-12-12	20	3/4	-12	19.1	3/4	89	50	58	38
11970-16-12	20	3/4	-12	19.1	1	90	50	58	45
11970-16-16	25	1	-16	25.4	1	105	55	61	45
11970-20-16	25	1	-16	25.4	1-1/4	113	68	70	51

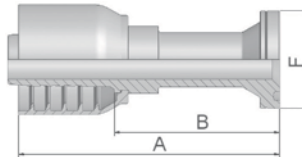
Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

Find O-rings in section E. Special O-rings are available on request.

## 6A SAE Code 62 Flange Straight

ISO 12151-3-S-S – SFS  
6000 psi



XXXXX-XX-XX Part Number 70	Hose I.D.				Flange	A mm	B mm	F mm
	DN	Inch	Size	mm				
16A70-8-8	12	1/2	-8	12.7	1/2	89	54	32
16A70-12-8	12	1/2	-8	12.7	3/4	74	34	41
16A70-8-10	16	5/8	-10	15.9	1/2	107	68	32
16A70-12-10	16	5/8	-10	15.9	3/4	72	35	41
16A70-8-12	20	3/4	-12	19.1	1/2	107	67	32
16A70-12-12	20	3/4	-12	19.1	3/4	105	66	41
16A70-16-12	20	3/4	-12	19.1	1	79	39	48
16A70-12-16	25	1	-16	25.4	3/4	127	82	41
16A70-16-16	25	1	-16	25.4	1	127	82	48
16A70-20-16	25	1	-16	25.4	1-1/4	99	47	54

Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

Find O-rings in section E. Special O-rings are available on request.

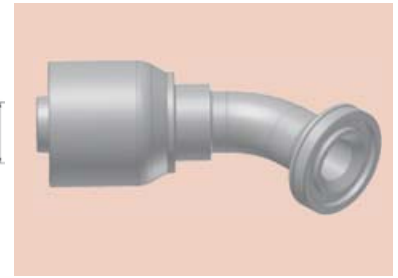
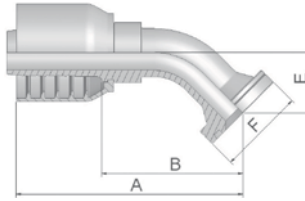
Approved **fitting series** for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

70 371LT 372 372RH 372TC 701 F42-8

## 6F SAE Code 62 Flange 45° Elbow – Heavy Series

ISO 12151-3 – E45-S – SFS 45°  
6000 psi



XXXXX-XX-XX Part Number 70	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
16F70-8-8	12	1/2	-8	12.7	1/2	81	46	19	31.75
16F70-12-8	12	1/2	-8	12.7	3/4	90	55	26	41
16F70-8-10	16	5/8	-10	15.9	1/2	92	53	26	32
16F70-12-10	16	5/8	-10	15.9	3/4	92	55	26	41
16F70-8-12	20	3/4	-12	19.1	1/2	94	54	26	32
16F70-12-12	20	3/4	-12	19.1	3/4	105	66	26	41
16F70-16-12	20	3/4	-12	19.1	1	101	62	26	48
16F70-12-16	25	1	-16	25.4	3/4	118	73	27	41
16F70-16-16	25	1	-16	25.4	1	119	74	32	48
16F70-20-16	25	1	-16	25.4	1-1/4	120	73	32	54

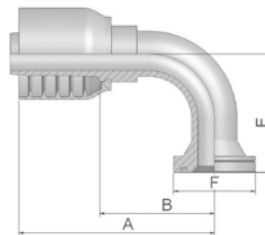
Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

Find O-rings in section E. Special O-rings are available on request.

## 6N SAE Code 62 Flange 90° Elbow

ISO 12151-3 – E-S – SFS 90°  
6000 psi



XXXXX-XX-XX Part Number 70	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
16N70-8-8	12	1/2	-8	12.7	1/2	74	39	41	32
16N70-12-8	12	1/2	-8	12.7	1/2	79	44	45	41
16N70-8-10	16	5/8	-10	15.9	1/2	95	56	54	32
16N70-12-10	16	5/8	-10	15.9	3/4	94	55	54	41
16N70-16-10	16	5/8	-10	15.9	1	86	46	54	48
16N70-8-12	20	3/4	-12	19.1	1/2	81	42	54	32
16N70-12-12	20	3/4	-12	19.1	3/4	98	59	54	41
16N70-16-12	20	3/4	-12	19.1	1	92	53	58	48
16N70-12-16	25	1	-16	25.4	3/4	113	66	57	41
16N70-16-16	25	1	-16	25.4	1	111	64	70	48

Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

Find O-rings in section E. Special O-rings are available on request.

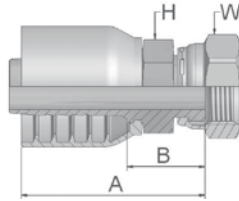
Approved **fitting series** for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

70 371LT 372 372RH 372TC 701 F42-8

# JC Female ORFS Swivel – Straight Short

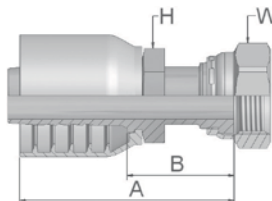
ISO 12151-1 – SWSA  
SAE J516 – ORFS



XXXXX-XX-XX Part Number 70	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
1JC70-6-6-SM	10	3/8	-6	9.5	11/16x16	49	20	19	22
1JC70-8-6-SM	10	3/8	-6	9.5	13/16x16	51	22	19	24
1JC70-8-8-SM	12	1/2	-8	12.7	13/16x16	56	24	22	24
1JC70-10-8-SM	12	1/2	-8	12.7	1x14	59	24	24	30
1JC70-12-8-SM	12	1/2	-8	12.7	1-3/16x12	63	28	32	36
1JC70-8-10-SM	16	5/8	-10	15.9	13/16x16	59	22	22	24
1JC70-10-10-SM	16	5/8	-10	15.9	1x14	64	24	24	30
1JC70-12-10-SM	16	5/8	-10	15.9	1-3/16x12	68	29	32	36
1JC70-8-12-SM	20	3/4	-12	19.1	13/16x16	61	22	27	24
1JC70-12-12-SM	20	3/4	-12	19.1	1-3/16x12	68	29	32	36
1JC70-16-12-SM	20	3/4	-12	19.1	1-7/16x12	72	33	36	41
1JC70-12-16-SM	25	1	-16	25.4	13/16x12	76	31	36	36
1JC70-16-16-SM	25	1	-16	25.4	1-7/16x12	80	35	36	41
1JC70-20-16-SM	25	1	-16	25.4	1-11/16x12	79	34	41	50

# JS ORFS Swivel Female (Long)

ISO 12151-1-SWSB  
SAE J516 – ORFS



XXXXX-XX-XX Part Number 70	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
1JS70-6-6-SM	10	3/8	-6	9.5	11/16x16	58	29	17	22
1JS70-8-6-SM	10	3/8	-6	9.5	13/16x16	64	35	19	24
1JS70-8-8-SM	12	1/2	-8	12.7	13/16x16	67	33	22	24
1JS70-10-8-SM	12	1/2	-8	12.7	1x14	73.5	38.5	24	30
1JS70-10-10-SM	16	5/8	-10	15.9	1x14	79	39	24	30
1JS70-12-12-SM	20	3/4	-12	19.1	1-3/16x12	84	45	30	36
1JS70-16-12-SM	20	3/4	-12	19.1	1-7/16x12	86	47	36	41
1JS70-16-16-SM	25	1	-16	25.4	1-7/16x12	92	51	36	41
1JS70-20-16-SM	25	1	-16	25.4	1-11/16x12	94	47	41	50

Approved fitting series for hose types:

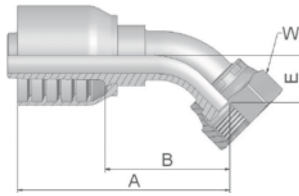
Also available in stainless steel. Details can be found in CAT 4400.1/UK

SM: Metric Hexagon

70 371LT 372 372RH 372TC 701 F42-8

## J7 Female ORFS – Swivel 45° Elbow

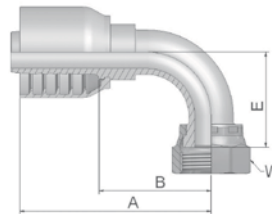
ISO 12151-1 – SWE 45°  
SAE J516 – ORFS 45°



XXXXX-XX-XX Part Number 70	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1J770-6-6-SM	10	3/8	-6	9.5	11/16x16	62	33	11	22
1J770-8-6-SM	10	3/8	-6	9.5	13/16x16	65	35	15	24
1J770-6-8-SM	12	1/2	-8	12.7	11/16x16	68	33	11	22
1J770-8-8-SM	12	1/2	-8	12.7	13/16x16	72	37	15	24
1J770-10-8-SM	12	1/2	-8	12.7	1x14	81	46	17	30
1J770-10-10-SM	16	5/8	-10	15.9	1x14	83	44	16	30
1J770-12-10-SM	16	5/8	-10	15.9	1-3/16x12	90	53	21	36
1J770-12-12-SM	20	3/4	-12	19.1	1-3/16x12	92	53	21	36
1J770-16-12-SM	20	3/4	-12	19.1	1-7/16x12	95	56	24	41
1J770-16-16-SM	25	1	-16	25.4	1-7/16x12	113	66	24	41

## J9 Female ORFS – Swivel 90° Elbow – Short Drop

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



XXXXX-XX-XX Part Number 70	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1J970-6-6-SM	10	3/8	-6	9.5	11/16x16	58	29	23	22
1J970-8-6-SM	10	3/8	-6	9.5	13/16x16	58	29	29	24
1J970-8-8-SM	12	1/2	-8	12.7	13/16x16	70	35	29	24
1J970-10-8-SM	12	1/2	-8	12.7	1x14	73	38	32	30
1J970-12-8-SM	12	1/2	-8	12.7	1-3/16x12	76	41	48	36
1J970-10-10-SM	16	5/8	-10	15.9	1x14	78	39	33	30
1J970-12-10-SM	16	5/8	-10	15.9	1-3/16x12	86	50	48	36
1J970-12-12-SM	20	3/4	-12	19.1	1-3/16x12	89	49	48	36
1J970-16-12-SM	20	3/4	-12	19.1	1-7/16x12	89	49	56	41
1J970-16-16-SM	25	1	-16	25.4	1-7/16x12	111	64	56	41
1J970-20-16-SM	25	1	-16	25.4	1-11/16x12	111	64	64	50

Approved fitting series for hose types:

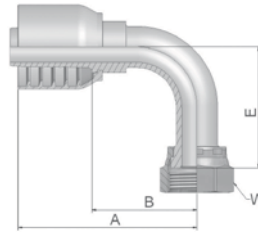
Also available in stainless steel. Details can be found in CAT 4400.1/UK

SM: Metric Hexagon

70 371LT 372 372RH 372TC 701 F42-8

# J1 Female ORFS – Swivel 90° Elbow – Long Drop

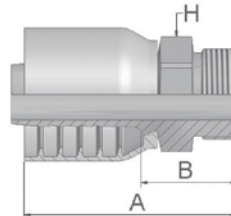
ISO 12151-1 – SWEL  
SAE J 516 – ORFS 90° L



XXXXX-XX-XX Part Number 70	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm Inch
	DN	Inch	Size	mm					
1J170-8-8-SM	12	1/2	-8	12.7	13/16x16	71	36	64	24
1J170-10-8-SM	12	1/2	-8	12.7	1x14	73	38	70	30
1J170-10-10-SM	16	5/8	-10	15.9	1x14	78	39	70	30
1J170-12-10-SM	16	5/8	-10	15.9	1-3/16x12	76	40	96	36
1J170-12-12-SM	20	3/4	-12	19.1	1-3/16x12	89	49	96	36
1J170-16-16-SM	25	1	-16	25.4	1-7/16x12	111	64	114	41

# JM ORFS Male

ISO 12151-1-S – SAE J516



XXXXX-XX-XX Part Number 70	Hose I.D.				Thread UNF	A mm	B mm	H mm
	DN	Inch	Size	mm				
1JM70-6-6-SM	10	3/8	-6	9.5	11/16x16	53	24	19
1JM70-8-6-SM	10	3/8	-6	9.5	13/16x16	56	27	22
1JM70-8-8-SM	12	1/2	-8	12.7	13/16x16	62	27	22
1JM70-10-8-SM	12	1/2	-8	12.7	1x14	66	32	27
1JM70-10-10-SM	16	5/8	-10	15.9	1x14	68	32	27
1JM70-12-10-SM	16	5/8	-10	15.9	1-3/16x12	71	34	32
1JM70-12-12-SM	20	3/4	-12	19.1	1-3/16x12	74	34	32
1JM70-16-12-SM	20	3/4	-12	19.1	1-7/16x12	74	35	41
1JM70-16-16-SM	25	1	-16	25.4	1-7/16x12	84	39	41
1JM70-20-16-SM	25	1	-16	25.4	1-11/16x12	82	37	46

JM fittings are supplied without O-ring.  
Find O-rings in section E. Special O-rings are available on request.

Approved fitting series for hose types:

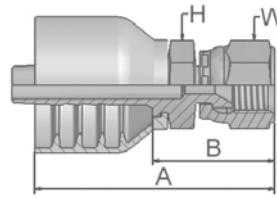
Also available in stainless steel. Details can be found in CAT 4400.1/UK

SM: Metric Hexagon

70 371LT 372 372RH 372TC 701 F42-8

# MU Female Metric – Swivel Straight (30° Flare)

JIS B8363 – MU



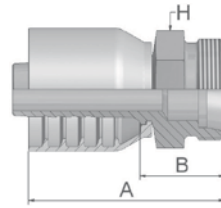
XXXXX-XX-XX Part Number 70	Hose I.D.				Thread metric	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
1MU70-6-6	10	3/8	-6	9.5	M18x1.5	62	33	24	24
1MU70-8-8	12	1/2	-8	12.7	M22x1.5	72	37	27	27
1MU70-12-12	20	3/4	-12	19.1	M27x2	81	41	36	36

Approved **fitting series** for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

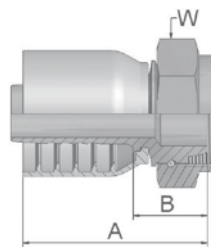
**70** 371LT 372 372RH 372TC 701 F42-8

## FG Male French Gas Series Rigid – Straight (24° Cone)



XXXXX-XX-XX Part Number 70	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	H mm
	DN	Inch	Size	mm					
1FG70-13-6	10	3/8	-6	9.5	M20x1.5	13.25	46	24	22
1FG70-17-8	12	1/2	-8	12.7	M24x1.5	16.75	62	27	24
1FG70-21-10	16	5/8	-10	15.9	M30x1.5	21.25	70	30	30
1FG70-27-12	20	3/4	-12	19.1	M36x1.5	26.75	70	30	36
1FG70-33-16	25	1	-16	25.4	M45x1.5	33.50	82	36	46

## F4 Female French Gas Series Swivel – Straight (Ball Nose)



XXXXX-XX-XX Part Number 70	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
1F470-13-6	10	3/8	-6	9.5	M20x1.5	13	52	22	24
1F470-17-8	12	1/2	-8	12.7	M24x1.5	17	60	25	30
1F470-21-10	16	5/8	-10	15.9	M30x1.5	21	62	25	36
1F470-27-12	20	3/4	-12	19.1	M36x1.5	27	70	31	46
1F470-33-16°	25	1	-16	25.4	M45x1.5	33	77	32	55

°Assembly only with Parkrimp 2 machine

Approved **fitting series** for hose types:

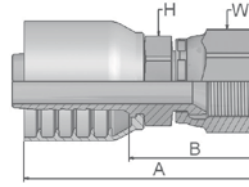
Also available in stainless steel. Details can be found in CAT 4400.1/UK

70 371LT 372 372RH 372TC 701 F42-8



## XU Female Metric – Swivel Straight (30° Flare)

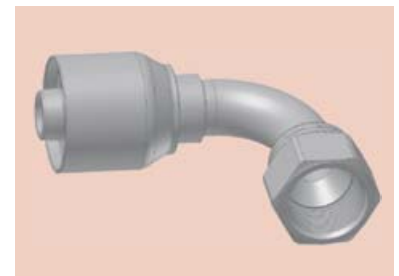
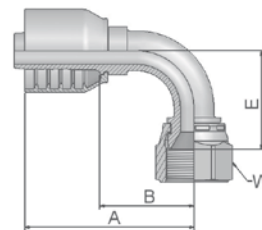
JIS B8363



XXXXX-XX-XX Part Number 70	Hose I.D.				Thread metric	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
1XU70-10-10	16	5/8	-10	15.9	M24x1.5	67	28	30	32
1XU70-12-12	20	3/4	-12	19.1	M30x1.5	68	28	32	36
1XU70-16-16	25	1	-16	25.4	M33x1.5	82	35	36	41

## XY Female Metric – Swivel 90° Elbow (30° Flare)

JIS B8363






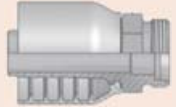




XXXXX-XX-XX Part Number 70	Hose I.D.				Thread metric	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1XY70-10-10	16	5/8	-10	15.9	M24x1.5	80	41	41	32
1XY70-12-12	20	3/4	-12	19.1	M24x1.5	89	49	52	36

Approved **fitting series** for hose types:





Also available in stainless steel. Details can be found in CAT 4400.1/UK

70 371LT 372 372RH 372TC 701 F42-8

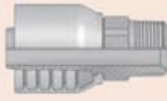




## DIN – Metric

Page Dc-1 – Dc-4			
<p><b>CA</b> Dc-1</p>  <p>Female Metric 24° Light Series with O-Ring Swivel – Straight ISO 12151-2-SWS-L – DKOL</p>	<p><b>CE</b> Dc-1</p>  <p>Female Metric 24° Light Series with O-Ring Swivel – 45° Elbow ISO 12151-2-SWE 45°-L – DKOL 45°</p>	<p><b>CF</b> Dc-2</p>  <p>Female Metric 24° Light Series with O-Ring Swivel – 90° Elbow ISO 12151-2-SWE-L – DKOL 90°</p>	<p><b>D0</b> Dc-2</p>  <p>Male Metric 24° Light Series – Rigid Straight ISO 12151-2-S-L – CEL</p>
<p><b>C9</b> Dc-3</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring Straight ISO 12151-2-SWS-S – DKOS</p>	<p><b>0C</b> Dc-3</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring 45° Elbow ISO 12151-2 – SWE 45°-S – DKOS 45°</p>	<p><b>1C</b> Dc-4</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring 90° Elbow ISO 12151-2-SWE-S – DKOS 90°</p>	<p><b>D2</b> Dc-4</p>  <p>Male Metric 24° – Rigid Heavy Series – Straight ISO 12151-2-S-S – CES</p>








## BSP

Page Dc-5 – Dc-6			
<p><b>92</b> Dc-5</p>  <p>Female BSP Parallel Pipe Swivel – Straight (60° Cone) BS5200-A – DKR</p>	<p><b>B1</b> Dc-5</p>  <p>Female BSP Parallel Pipe Swivel 45° Elbow (60° Cone) BS 5200-D – DKR 45°</p>	<p><b>B2</b> Dc-6</p>  <p>Female BSP Parallel Pipe Swivel 90° Elbow (60° Cone) BS 5200-B – DKR 90°</p>	<p><b>D9</b> Dc-6</p>  <p>Male BSP Parallel Pipe Rigid – Straight (60° Cone) BS5200 – AGR</p>





## SAE

Page Dc-7 – Dc-9			
<p><b>01</b> Dc-7</p>  <p>Male NPTF Pipe Rigid – Straight SAE J476A / J516 – AGN</p>	<p><b>03</b> Dc-7</p>  <p>Male JIC 37° – Rigid Straight ISO12151-5-S – AGJ</p>	<p><b>06</b> Dc-8</p>  <p>Female JIC 37° – Swivel Straight ISO12151-5-SWS – DKJ</p>	<p><b>37</b> Dc-9</p>  <p>Female JIC 37° – Swivel 45° Elbow ISO 12151-5-SWE 45° – DKJ 45°</p>
<p><b>39</b> Dc-9</p>  <p>Female JIC 37° – Swivel 90° Elbow ISO 12151-5-SWES – DKJ 90°</p>			

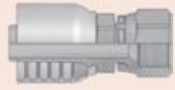
## Flange

Page Dc-10 – Dc-13			
<p><b>15</b> Dc-10</p>  <p>SAE Code 61 – Flange Head Straight ISO 12151-3-S-L – SFL 3000 psi</p>	<p><b>16</b> Dc-10</p>  <p>SAE Code 61 – Flange Head 22.5° Elbow ISO 12151-3-E22ML – SFL 22.5° 3000 psi</p>	<p><b>17</b> Dc-11</p>  <p>SAE Code 61 – Flange Head 45° Elbow ISO 12151-3-E45-L – SFL 45° 3000 psi</p>	<p><b>19</b> Dc-11</p>  <p>SAE Code 61 – Flange Head 90° Elbow ISO 12151-3-E-L – SFL 90° 3000 psi</p>
<p><b>6A</b> Dc-12</p>  <p>SAE Code 62 Flange Straight ISO 12151-3-S-S – SFS 6000 psi</p>	<p><b>6F</b> Dc-12</p>  <p>SAE Code 62 Flange 45° Elbow – Heavy Series ISO 12151-3-E45-S – SFS 45° 6000 psi</p>	<p><b>6N</b> Dc-13</p>  <p>SAE Code 62 Flange 90° Elbow ISO 12151-3-E-S – SFS 90° 6000 psi</p>	

## ORFS

Page Dc-14 – Dc-15			
<p><b>JC</b> Dc-14</p>  <p>Female ORFS Swivel – Straight Short ISO 12151-1 – SWSA SAE J516 – ORFS</p>	<p><b>JS</b> Dc-14</p>  <p>ORFS Swivel Female (Long) ISO 12151-1-SWSB SAE J516 – ORFS</p>	<p><b>J7</b> Dc-15</p>  <p>Female ORFS – Swivel 45° Elbow ISO 12151-1 – SWE 45° SAE J516 – ORFS 45°</p>	<p><b>J9</b> Dc-15</p>  <p>Female ORFS – Swivel 90° Elbow – Short Drop ISO 12151-1 – SWES SAE J516 – ORFS 90°</p>

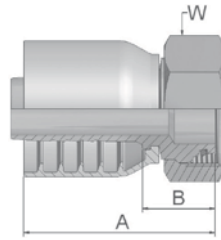
## Others

Page Dc-16	
<p><b>XU</b> Dc-16</p>  <p>Female Metric – Swivel Straight (30° Flare) JIS B8363</p>	



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

ISO 12151-2-SWS-L – DKOL

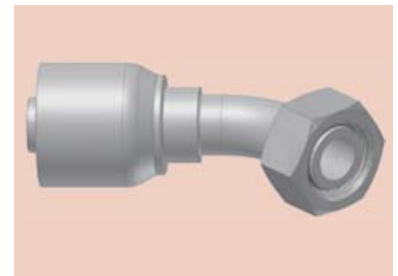
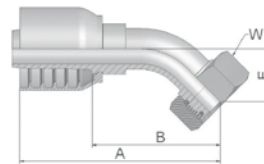


XXXXX-XX-XX Part Number 71	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
1CA71-12-6	10	3/8	-6	9.5	M18x1.5	12	53	24	22
1CA71-15-8	12	1/2	-8	12.7	M22x1.5	15	62	27	27
1CA71-18-10	16	5/8	-10	15.9	M26x1.5	18	62	26	32
1CA71-22-10	16	5/8	-10	15.9	M30x2	22	64	24	36
1CA71-22-12	20	3/4	-12	19.1	M30x2	22	63	24	36
1CA71-35-16	25	1	-16	25.4	M45x2	35	76	31	50
1CA71-35-20	32	1-1/4	-20	31.8	M45x2	35	82	35	50
1CA71-42-24	40	1-1/2	-24	38.1	M52x2	42	99	39	60

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.  
Attention: Hose assembly pressure is reduced; see page Ab-8

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

ISO 12151-2-SWE 45°-L – DKOL 45°



XXXXX-XX-XX Part Number 71	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
1CE71-35-20	32	1-1/4	-20	31.8	M45x2	35	141	94	38	50
1CE71-42-24	40	1-1/2	-24	38.1	M52x2	42	178	118	49	60

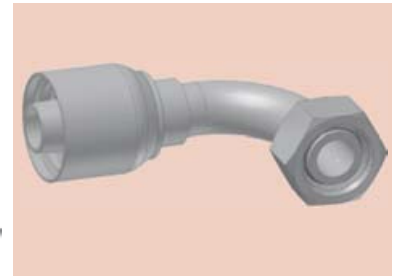
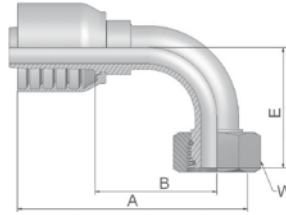
Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.  
Attention: Hose assembly pressure is reduced; see page Ab-8

Approved **fitting series** for hose types:

71 774 721TC 772LT

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

ISO 12151-2-SWE-L – DKOL 90°

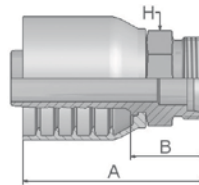


XXXXX-XX-XX Part Number 71	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
1CF71-12-6	10	3/8	-6	9.5	M18x1.5	12	67	38	37	22
1CF71-15-8	12	1/2	-8	12.7	M22x1.5	15	74	39	45	27
1CF71-18-10	16	5/8	-10	15.9	M26x1.5	18	79	42	49	32
1CF71-22-12	20	3/4	-12	19.1	M30x2	22	89	49	55	36
1CF71-28-16	25	1	-16	25.4	M36x2	28	113	68	73	41
1CF71-35-20	32	1-1/4	-20	31.8	M45x2	35	130	83	79	50
1CF71-42-24	40	1-1/2	-24	38.1	M52x2	42	161	101	101	60

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.  
Attention: Hose assembly pressure is reduced; see page Ab-8

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

ISO 12151-2-S-L – CEL



XXXXX-XX-XX Part Number 71	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	H mm
	DN	Inch	Size	mm					
1D071-42-24	40	1-1/2	-24	38.1	M52x2	42	99	39	55

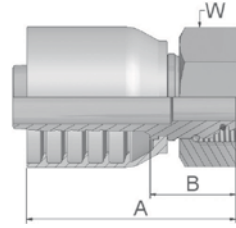
Attention: Hose assembly pressure is reduced; see page Ab-8

Approved **fitting series** for hose types:

71 774 721TC 772LT

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

ISO 12151-2-SWS-S – DKOS

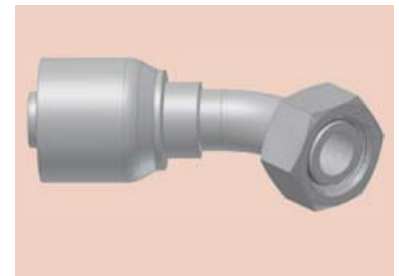
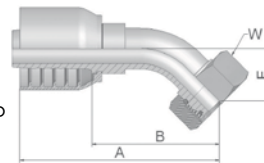


XXXXX-XX-XX Part Number 71	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
1C971-16-8	12	1/2	-8	12.7	M24x1.5	16	59	24	30
1C971-20-10	16	5/8	-10	15.9	M30x2	20	66	27	36
1C971-25-12	20	3/4	-12	19.1	M36x2	25	68	28	46
1C971-25-16	25	1	-16	25.4	M36x2	25	78	33	46
1C971-30-16	25	1	-16	25.4	M42x2	30	78	33	50
1C971-38-20°	32	1-1/4	-20	31.8	M52x2	38	80	33	60
1C971-38-24	40	1-1/2	-24	38.1	M52x2	38	99	39	60

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.  
\*Assembly only with Parkrimp 2 machine

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

ISO 12151-2 – SWE 45°-S – DKOS 45°



XXXXX-XX-XX Part Number 71	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
10C71-16-8	12	1/2	-8	12.7	M24x1.5	16	83	48	24	30
10C71-20-10	16	5/8	-10	15.9	M30x2	20	91	52	25	36
10C71-25-12	20	3/4	-12	19.1	M36x2	25	101	61	30	46
10C71-30-16	25	1	-16	25.4	M42x2	30	126	79	36	50
10C71-38-20°	32	1-1/4	-20	31.8	M52x2	38	140	93	37	60
10C71-38-24	40	1-1/2	-24	38.1	M52x2	38	178	118	49	60

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.  
\*Assembly only with Parkrimp 2 machine

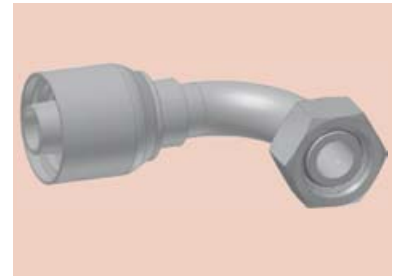
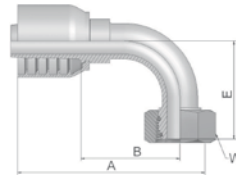
Approved **fitting series** for hose types:

71 774 721TC 772LT



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

ISO 12151-2-SWE-S – DKOS 90°



XXXXX-XX-XX Part Number 71	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
11C71-12-8	12	1/2	-8	12.7	M20x1.5	12	71	36	44	24
11C71-16-8	12	1/2	-8	12.7	M24x1.5	16	72	37	45	30
11C71-20-10	16	5/8	-10	15.9	M30x2	20	79	40	48	36
11C71-25-12	20	3/4	-12	19.1	M36x2	25	89	49	59	46
11C71-30-16	25	1	-16	25.4	M42x2	30	115	68	76	50
11C71-38-20°	32	1-1/4	-20	31.8	M52x2	38	130	83	78	60

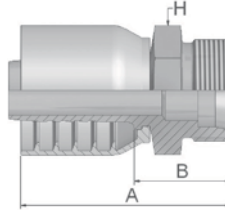
Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

Find O-rings in section E. Special O-rings are available on request.

°Assembly only with Parkrimp 2 machine

## D2 Male Metric 24° – Rigid Heavy Series – Straight

ISO 12151-2-S-S – CES



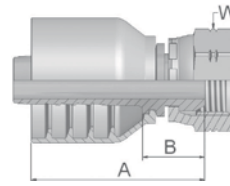
XXXXX-XX-XX Part Number 71	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	H mm
	DN	Inch	Size	mm					
1D271-14-6	10	3/8	-6	9.5	M22x1.5	14	55	25	22
1D271-16-8	12	1/2	-8	12.7	M24x1.5	16	62	28	24
1D271-20-12	20	3/4	-12	19.1	M30x2	20	77	33	30
1D271-25-12	20	3/4	-12	19.1	M36x2	25	74	35	36
1D271-30-16	25	1	-16	25.4	M42x2	30	85	40	46
1D271-38-20	32	1-1/4	-20	31.8	M52x2	38	43	44	55

Approved **fitting series** for hose types:

71 774 721TC 772LT

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

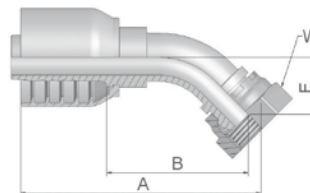
BS5200-A – DKR



XXXXX-XX-XX Part Number 71	Hose I.D.				Thread BSP	A mm	B mm	W mm
	DN	Inch	Size	mm				
19271-6-6	10	3/8	-6	9.5	3/8x19	49	20	22
19271-8-8	12	1/2	-8	12.7	1/2x14	57	22	27
19271-10-10	16	5/8	-10	15.9	5/8x14	57	21	30
19271-12-12	20	3/4	-12	19.1	3/4x14	61	22	32
19271-16-16	25	1	-16	25.4	1x11	73	26	41
19271-20-20	32	1-1/4	-20	31.8	1-1/4x11	79	32	50
19271-24-24	40	1-1/2	-24	38.1	1-1/2x11	93	33	60
19271-32-32	50	2	-32	50.8	2x11	101	35	70

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

BS 5200-D – DKR 45°



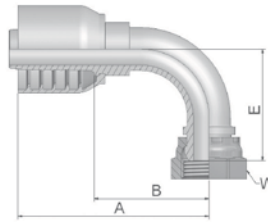
XXXXX-XX-XX Part Number 71	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1B171-10-10	16	5/8	-10	15.9	5/8x14	90	50	24	30
1B171-12-12	20	3/4	-12	19.1	3/4x14	96	57	25	32
1B171-16-16	25	1	-16	25.4	1x11	120	75	31	41
1B171-20-20	32	1-1/4	-20	31.8	1-1/4x11	139	91	35	50

Approved **fitting series** for hose types:

71 774 721TC 772LT

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

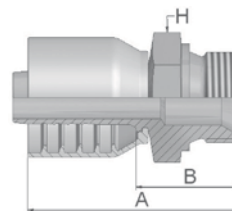
BS 5200-B – DKR 90°



XXXXX-XX-XX Part Number 71	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1B271-6-6	10	3/8	-6	9.5	3/8x19	66	37	33	22
1B271-12-12	20	3/4	-12	19.1	3/4x14	89	50	53	32
1B271-16-16	25	1	-16	25.4	1x11	116	69	69	41
1B271-20-20	32	1-1/4	-20	31.8	1-1/4x11	130	82	76	50
1B271-24-24	40	1-1/2	-24	38.1	1-1/2x11	163	102	103	55
1B271-32-32	50	2	-32	50.8	2x11	197	132	134	70

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

BS5200 – AGR



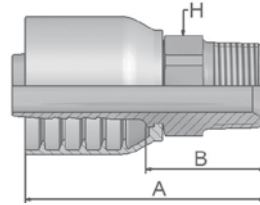
XXXXX-XX-XX Part Number 71	Hose I.D.				Thread BSP	A mm	B mm	H mm
	DN	Inch	Size	mm				
1D971-12-12	20	3/4	-12	19.1	3/4x14	70	30	32
1D971-16-16	25	1	-16	25.4	1x11	85	40	41
1D971-20-20	32	1-1/4	-20	31.8	1-1/4x11	92	45	50
1D971-24-24	40	1-1/2	-24	38.1	1-1/2x11	109	49	55

Approved **fitting series** for hose types:

71 774 721TC 772LT

# 01 Male NPTF Pipe Rigid – Straight

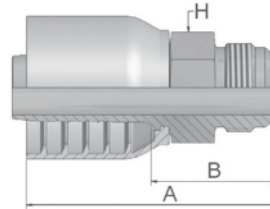
SAE J476A / J516 – AGN



XXXXX-XX-XX Part Number 71	Hose I.D.				Thread NPTF	A mm	B mm	H mm Inch
	DN	Inch	Size	mm				
10171-6-6	10	3/8	-6	9.5	3/8x18	60	31	19
10171-8-6-SM	10	3/8	-6	9.5	1/2x14	61	32	22
10171-8-8	12	1/2	-8	12.7	1/2x14	72	41	7/8
10171-12-10-SM	16	5/8	-10	15.9	3/4x14	71	34	27
10171-12-12-SM	20	3/4	-12	19.1	3/4x14	79	39	32
10171-16-12-SM	20	3/4	-12	19.1	1x11-1/2	79	39	36
10171-16-16	25	1	-16	25.4	1x11-1/2	93	46	1-3/8
10171-20-16	25	1	-16	25.4	1-1/4x11-1/2	89	48	1-11/16
10171-20-20-SM	32	1-1/4	-20	31.8	1-1/4x11-1/2	104	57	46
10171-24-24-SM	40	1-1/2	-24	38.1	1-1/2x11-1/2	112	51	50
10171-32-32	50	2	-32	50.8	2x11-1/2	118	64	2-1/2

# 03 Male JIC 37° – Rigid Straight

ISO12151-5-S – AGJ



XXXXX-XX-XX Part Number 71	Hose I.D.				Thread UNF	A mm	B mm	H mm
	DN	Inch	Size	mm				
10371-6-6-SM	10	3/8	-6	9.5	9/16x18	60	31	19
10371-8-6-SM	10	3/8	-6	9.5	3/4x16	59	29	19
10371-8-8-SM	12	1/2	-8	12.7	3/4x16	68	37	7/8
10371-10-8-SM	12	1/2	-8	12.7	7/8x14	67	32	24
10371-12-8-SM	12	1/2	-8	12.7	1-1/16x12	71	36	27
10371-12-12-SM	20	3/4	-12	19.1	1-1/16x12	82	42	27
10371-16-12-SM	20	3/4	-12	19.1	1-5/16x12	77	38	36
10371-16-16-SM	25	1	-16	25.4	1-5/16x12	94	47	36
10371-20-16-SM	25	1	-16	25.4	1-5/8x12	88	43	46
10371-20-20-SM	32	1-1/4	-20	31.8	1-5/8x12	101	53	46
10371-24-24-SM	40	1-1/2	-24	38.1	1-7/8x12	110	49	50

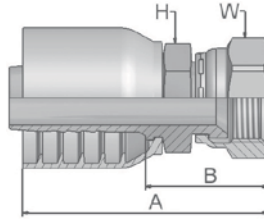
Approved fitting series for hose types:





SM: Metric Hexagon

71 774 721TC 772LT

# 06 Female JIC 37° – Swivel Straight

ISO12151-5-SWS – DKJ



XXXXX-XX-XX Part Number 71	 Hose I.D.				 Thread UNF	A mm	B mm	 H mm Inch	 W mm Inch
	DN	Inch	Size	mm					
10671-6-6-SM	10	3/8	-6	9.5	9/16x18	58	29	17	19
10671-8-6-SM	10	3/8	-6	9.5	3/4x16	61	32	19	22
10671-8-8-SM	12	1/2	-8	12.7	3/4x16	67	32	22	22
10671-10-8-SM*	12	1/2	-8	12.7	7/8x14	70	35	22	27
10671-8-10-SM	16	5/8	-10	15.9	3/4x16	73	36	24	22
10671-12-10-SM	16	5/8	-10	15.9	1-1/16x12	78	41	27	32
10671-10-12-SM	20	3/4	-12	19.1	7/8x14	74	35	27	27
10671-12-12-SM	20	3/4	-12	19.1	1-1/16x12	80	41	27	32
10671-14-12-SM	20	3/4	-12	19.1	1-3/16x12	81	42	32	36
10671-16-12-SM	20	3/4	-12	19.1	1-5/16x12	84	45	32	41
10671-12-16-SM	25	1	-16	25.4	1-1/16x12	89	44	36	32
10671-16-16-SM	25	1	-16	25.4	1-5/16x12	92	47	36	41
10671-20-16	25	1	-16	25.4	1-5/8x12	98	53	1-7/8	2
10671-16-20-SM	32	1-1/4	-20	31.8	1-5/16x12	97	50	46	41
10671-20-20	32	1-1/4	-20	31.8	1-5/8x12	100	57	1-7/8	2
10671-24-20	32	1-1/4	-20	31.8	1-7/8x12	104	62	2-1/8	2-1/4
10671-24-24	40	1-1/2	-24	38.1	1-7/8x12	119	64	2-1/8	2-1/4
10671-24-24-SM	40	1-1/2	-24	38.1	1-7/8x12	127	61	50	60

\* These fittings contain a dual seat that accepts both JIC (37°) and SAE (45°) male configurations. The other sizes accept the JIC (37°) male configurations only.

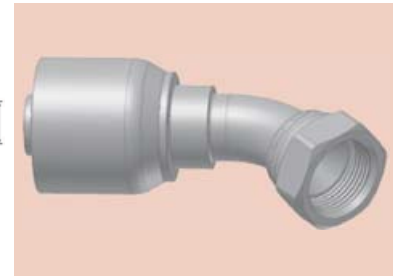
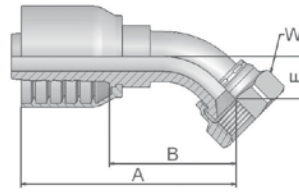
Approved **fitting series** for hose types:

SM: Metric Hexagon

71 774 721TC 772LT

### 37 Female JIC 37° – Swivel 45° Elbow

ISO 12151-5-SWE 45° – DKJ 45°

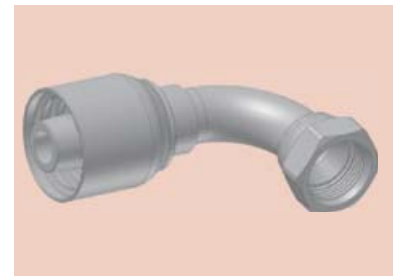
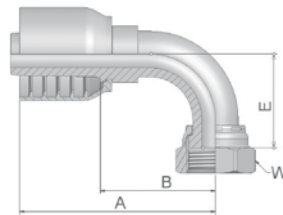


XXXXX-XX-XX Part Number 71	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
13771-6-6-SM	10	3/8	-6	9.5	9/16x18	61	31	10	19
13771-8-8-SM*	12	1/2	-8	12.7	3/4x16	73	38	14	22
13771-10-10-SM*	16	5/8	-10	15.9	7/8x14	83	44	17	27
13771-12-12-SM	20	3/4	-12	19.1	1-1/16x12	91	52	20	32
13771-16-16-SM	25	1	-16	25.4	1-5/16x12	111	66	24	41
13771-20-16-SM	25	1	-16	25.4	1-5/8x12	113	67	26	50
13771-20-20-SM	32	1-1/4	-20	31.8	1-5/8x12	134	87	30	50
13771-24-24-SM	40	1-1/2	-24	38.1	1-7/8x12	174	114	46	60

\* These fittings contain a dual seat that accepts both JIC (37°) and SAE (45°) male configurations. The other sizes accept the JIC (37°) male configurations only.

### 39 Female JIC 37° – Swivel 90° Elbow

ISO 12151-5-SWES – DKJ 90°



XXXXX-XX-XX Part Number 71	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
13971-6-6-SM	10	3/8	-6	9.5	9/16x18	57	28	23	19
13971-8-8-SM*	12	1/2	-8	12.7	3/4x16	68	33	28	22
13971-10-8-SM*	12	1/2	-8	12.7	7/8x14	74	39	32	27
13971-10-10-SM*	16	5/8	-10	15.9	7/8x14	80	41	33	27
13971-12-12-SM	20	3/4	-12	19.1	1-1/16x12	89	50	48	32
13971-16-12-SM	20	3/4	-12	19.1	1-5/16x12	89	50	51	41
13971-16-16-SM	25	1	-16	25.4	1-5/16x12	109	64	55	41
13971-20-16-SM	25	1	-16	25.4	1-5/8x12	109	64	62	50
13971-20-20-SM	32	1-1/4	-20	31.8	1-5/8x12	129	82	70	50
13971-24-20-SM	32	1-1/4	-20	31.8	1-7/8x12	130	82	80	60
13971-24-24-SM	40	1-1/2	-24	38.1	1-7/8x12	161	101	101.5	60

\* These fittings contain a dual seat that accepts both JIC (37°) and SAE (45°) male configurations. The other sizes accept the JIC (37°) male configurations only.

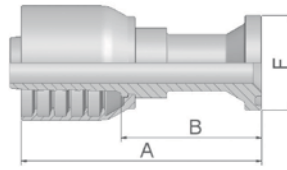
Approved fitting series for hose types:

SM: Metric Hexagon

71 774 721TC 772LT

## 15 SAE Code 61 – Flange Head Straight

ISO 12151-3-S-L – SFL  
3000 psi



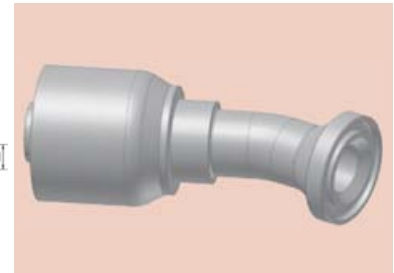
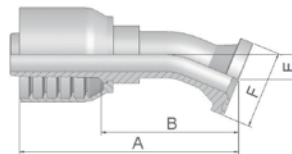
XXXXX-XX-XX Part Number 71	Hose I.D.				Flange	A mm	B mm	F mm
	DN	Inch	Size	mm				
11571-8-8	12	1/2	-8	12.7	1/2	89	54	30
11571-12-12	20	3/4	-12	19.1	3/4	98	59	38
11571-16-12	20	3/4	-12	19.1	1	70	31	45
11571-16-16	25	1	-16	25.4	1	108	63	45
11571-20-16	25	1	-16	25.4	1-1/4	83	36	51
11571-20-20	32	1-1/4	-20	31.8	1-1/4	120	72	51
11571-24-20	32	1-1/4	-20	31.8	1-1/2	82	35	60
11571-32-20	32	1-1/4	-20	31.8	2	109	62	71
11571-20-24	40	1-1/2	-24	38.1	1-1/4	138	77	51
11571-24-24	40	1-1/2	-24	38.1	1-1/2	140	79	60
11571-32-32	50	2	-32	50.8	2	144	79	71

Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Special O-rings are available on request.

## 16 SAE Code 61 – Flange Head 22.5° Elbow

ISO 12151-3-E22ML – SFL 22.5°  
3000 psi



XXXXX-XX-XX Part Number 71	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
11671-12-12	20	3/4	-12	19.1	3/4	105	65	11	38
11671-16-16	25	1	-16	25.4	1	125	80	11	45
11671-20-20	32	1-1/4	-20	31.8	1-1/4	139	92	13	51
11671-24-24	40	1-1/2	-24	38.1	1-1/2	149	94	16	60
11671-32-32	50	2	-32	50.8	2	185	131	22	71

Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Special O-rings are available on request.

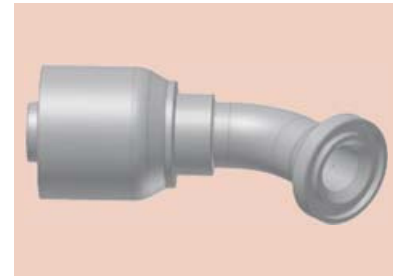
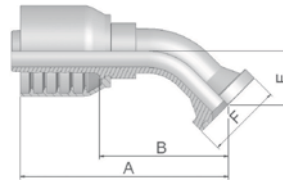
Approved **fitting series** for hose types:

71 774 721TC 772LT



# 17 SAE Code 61 – Flange Head 45° Elbow

ISO 12151-3 – E45 – L – SFL 45°  
3000 psi

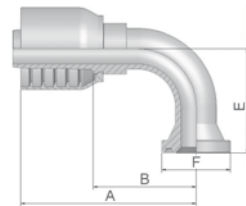


XXXXX-XX-XX Part Number 71	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
11771-12-12	20	3/4	-12	19.1	3/4	97	58	26	38
11771-16-12	20	3/4	-12	19.1	1	97	57	25	45
11771-16-16	25	1	-16	25.4	1	121	74	32	45
11771-20-16	25	1	-16	25.4	1-1/4	121	76	32	51
11771-20-20	32	1-1/4	-20	31.8	1-1/4	141	94	38	51
11771-24-20	32	1-1/4	-20	31.8	1-1/2	141	94	38	60
11771-24-24	40	1-1/2	-24	38.1	1-1/2	173	113	44	60
11771-32-32	50	2	-32	50.8	2	200	135	52	71

Find SAE flange halves in section Eb.  
Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Special O-rings are available on request.

# 19 SAE Code 61 – Flange Head 90° Elbow

ISO 12151-3 – E-L – SFL 90°  
3000 psi



XXXXX-XX-XX Part Number 71	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
11971-8-8	12	1/2	-8	12.7	1/2	75	40	41	30
11971-12-8	12	1/2	-8	12.7	3/4	77	42	42	38
11971-12-12	20	3/4	-12	19.1	3/4	89	50	58	38
11971-16-12	20	3/4	-12	19.1	1	90	50	58	45
11971-20-12	20	3/4	-12	19.1	1-1/4	90	50	70	51
11971-16-16	25	1	-16	25.4	1	113	72	60	45
11971-20-16	25	1	-16	25.4	1-1/4	113	68	70	51
11971-24-16	25	1	-16	25.4	1-1/2	113	72	60	60
11971-20-20	32	1-1/4	-20	31.8	1-1/4	130	82	90	51
11971-24-20	32	1-1/4	-20	31.8	1-1/2	130	83	67	60
11971-24-24	40	1-1/2	-24	38.1	1-1/2	161	101	104	60
11971-32-32	50	2	-32	50.8	2	203	138	138	71
11971-40-32	50	2	-32	50.8	2-1/2	187	133	114	84

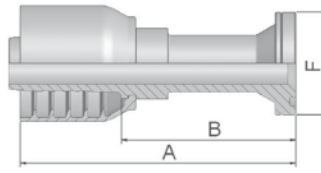
Find SAE flange halves in section Eb.  
Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Special O-rings are available on request.

Approved fitting series for hose types:

71 774 721TC 722LT

## 6A SAE Code 62 Flange Straight

ISO 12151-3-S-S – SFS  
6000 psi

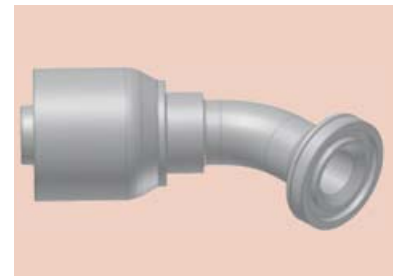
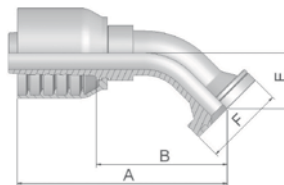


XXXXX-XX-XX Part Number 71	Hose I.D.				Flange	A mm	B mm	F mm
	DN	Inch	Size	mm				
16A71-12-12	20	3/4	-12	19.1	3/4	105	66	41
16A71-16-12	20	3/4	-12	19.1	1	79	39	48
16A71-16-16	25	1	-16	25.4	1	127	82	48
16A71-20-16	25	1	-16	25.4	1-1/4	127	82	54
16A71-20-20	32	1-1/4	-20	31.8	1-1/4	130	83	54
16A71-24-20	32	1-1/4	-20	31.8	1-1/2	107	53	64
16A71-24-24	40	1-1/2	-24	38.1	1-1/2	163	107	64
16A71-32-32	50	2	-32	50.8	2	187	133	79

Find SAE flange halves in section Eb.  
Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Special O-rings are available on request.

## 6F SAE Code 62 Flange 45° Elbow – Heavy Series

ISO 12151-3 – E45-S – SFS 45°  
6000 psi



XXXXX-XX-XX Part Number 71	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
16F71-8-8	12	1/2	-8	12.7	1/2	81	46	19	31.75
16F71-12-12	20	3/4	-12	19.1	3/4	105	66	26	41
16F71-16-12	20	3/4	-12	19.1	1	101	62	26	48
16F71-12-16	25	1	-16	25.4	3/4	118	73	27	41
16F71-16-16	25	1	-16	25.4	1	119	74	32	48
16F71-20-16	25	1	-16	25.4	1-1/4	120	73	32	54
16F71-20-20	32	1-1/4	-20	31.8	1-1/4	141	94	38	54
16F71-24-20	32	1-1/4	-20	31.8	1-1/2	141	94	38	64
16F71-24-24	40	1-1/2	-24	38.1	1-1/2	173	113	44	64
16F71-32-32	50	2	-32	50.8	2	198	144	52	79

Find SAE flange halves in section Eb.  
Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Special O-rings are available on request.

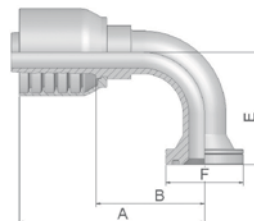
Approved **fitting series** for hose types:

71 774 721TC 772LT

# 6N

## SAE Code 62 Flange 90° Elbow

ISO 12151-3 – E-S – SFS 90°  
6000 psi



XXXXX-XX-XX Part Number 71	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
16N71-12-12	20	3/4	-12	19.1	3/4	98	59	54	41
16N71-16-12	20	3/4	-12	19.1	1	93	53	53	48
16N71-16-16	25	1	-16	25.4	1	111	64	70	48
16N71-20-16	25	1	-16	25.4	1-1/4	115	68	61	54
16N71-20-20	32	1-1/4	-20	31.8	1-1/4	129	82	90	54
16N71-24-20	32	1-1/4	-20	31.8	1-1/2	130	82	70	64
16N71-24-24	40	1-1/2	-24	38.1	1-1/2	161	101	81	64
16N71-32-32	50	2	-32	50.8	2	188	134	114	79

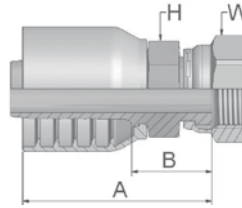
Find SAE flange halves in section Eb.  
Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Special O-rings are available on request.

Approved **fitting series** for hose types:

71 774 721TC 772LT

## JC Female ORFS Swivel – Straight Short

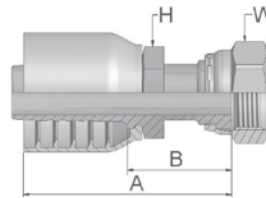
ISO 12151-1 – SWSA  
SAE J516 – ORFS



XXXXX-XX-XX Part Number 71	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
1JC71-12-10-SM	16	5/8	-10	15.9	1-3/16x12	68	29	32	36
1JC71-16-12-SM	20	3/4	-12	19.1	1-7/16x12	72	33	36	41
1JC71-12-16-SM	25	1	-16	25.4	1-3/16x12	76	31	36	36
1JC71-16-16-SM	25	1	-16	25.4	1-7/16x12	80	35	36	41
1JC71-20-20-SM	32	1-1/4	-20	31.8	1-11/16x12	85	36	50	50
1JC71-24-24-SM	40	1-1/2	-24	38.1	2x12	102	42	50	60

## JS ORFS Swivel Female (Long)

ISO 12151-1-SWSB  
SAE J516 – ORFS



XXXXX-XX-XX Part Number 71	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
1JS71-8-8-SM	12	1/2	-8	12.7	13/16x16	67	33	22	24
1JS71-10-10-SM	16	5/8	-10	15.9	1x14	79	39	24	30
1JS71-12-12-SM	20	3/4	-12	19.1	1-3/16x12	84	45	30	36
1JS71-16-12-SM	20	3/4	-12	19.1	1-7/16x12	86	47	36	41
1JS71-16-16-SM	25	1	-16	25.4	1-7/16x12	94	47	36	41
1JS71-24-24-SM	40	1-1/2	-24	38.1	2x12	118	58	50	60

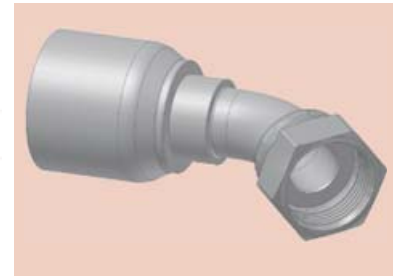
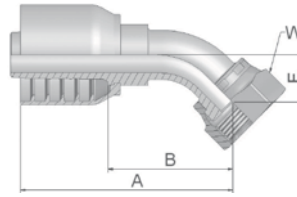
Approved **fitting series** for hose types:

SM: Metric Hexagon

71 774 721TC 772LT

## J7 Female ORFS – Swivel 45° Elbow

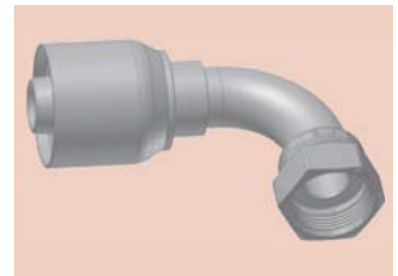
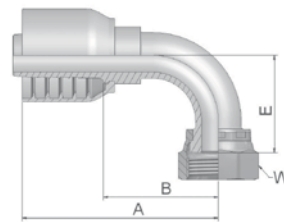
ISO 12151-1 – SWE 45°  
SAE J516 – ORFS 45°



XXXXX-XX-XX Part Number 71	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1J771-8-8-SM	12	1/2	-8	12.7	13/16x16	72	37	15	24
1J771-12-10-SM	16	5/8	-10	15.9	1-3/16x12	90	53	21	36
1J771-12-12-SM	20	3/4	-12	19.1	1-3/16x12	92	53	21	36
1J771-16-12-SM	20	3/4	-12	19.1	1-7/16x12	95	56	24	41
1J771-16-16-SM	25	1	-16	25.4	1-7/16x12	113	66	24	41
1J771-20-20	32	1-1/4	-20	31.8	1-11/16x12	130	82	27	50
1J771-24-24-SM	40	1-1/2	-24	38.1	2x12	169	109	40	60

## J9 Female ORFS – Swivel 90° Elbow – Short Drop

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



XXXXX-XX-XX Part Number 71	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1J971-6-6-SM	10	3/8	-6	9.5	11/16x16	58	29	23	22
1J971-8-8-SM	12	1/2	-8	12.7	13/16x16	70	35	29	24
1J971-10-10-SM	16	5/8	-10	15.9	1x14	78	39	33	30
1J971-12-12-SM	20	3/4	-12	19.1	1-3/16x12	89	49	48	36
1J971-16-16-SM	25	1	-16	25.4	1-7/16x12	111	64	56	41
1J971-20-20-SM	32	1-1/4	-20	31.8	1-11/16x12	130	83	64	50

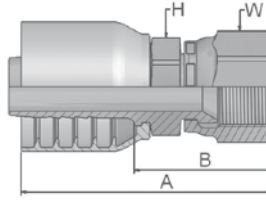
Approved fitting series for hose types:





SM: Metric Hexagon

71 774 721TC 772LT

# XU Female Metric – Swivel Straight (30° Flare)

JIS B8363



XXXXX-XX-XX Part Number 71	 Hose I.D.				 Thread metric	A mm	B mm	 H	 W
	DN	Inch	Size	mm	mm			mm	mm
1XU71-10-10	16	5/8	-10	15.9	M24x1.5	67	28	30	32
1XU71-12-12	20	3/4	-12	19.1	M30x1.5	68	28	36	36
1XU71-16-16	25	1	-16	25.4	M33x1.5	82	35	36	41
1XU71-20-20	32	1-1/4	-20	31.8	M36x1.5	106	64	46	46
1XU71-24-24	40	1-1/2	-24	38.1	M42x1.5	125	71	55	55





Approved **fitting series** for hose types:

71 774 721TC 772LT




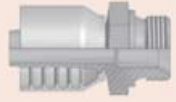




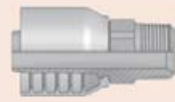

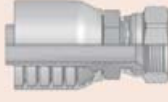


## DIN – Metric

Page Dd-1 – Dd-2			
<p><b>C9</b> Dd-1</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring Straight ISO 12151-2-SWS-S – DKOS</p>	<p><b>0C</b> Dd-1</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring 45° Elbow ISO 12151-2 – SWE 45°-S – DKOS 45°</p>	<p><b>1C</b> Dd-2</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring 90° Elbow ISO 12151-2-SWE-S – DKOS 90°</p>	<p><b>D2</b> Dd-2</p>  <p>Male Metric 24° – Rigid Heavy Series – Straight ISO 12151-2-S-S – CES</p>











## BSP

Page Dd-3 – Dd-4			
<p><b>92</b> Dd-3</p>  <p>Female BSP Parallel Pipe Swivel – Straight (60° Cone) BS5200-A – DKR</p>	<p><b>B1</b> Dd-3</p>  <p>Female BSP Parallel Pipe Swivel 45° Elbow (60° Cone) BS 5200-D – DKR 45°</p>	<p><b>B2</b> Dd-4</p>  <p>Female BSP Parallel Pipe Swivel 90° Elbow (60° Cone) BS 5200-B – DKR 90°</p>	<p><b>D9</b> Dd-4</p>  <p>Male BSP Parallel Pipe Rigid – Straight (60° Cone) BS5200 – AGR</p>






## SAE

Page Dd-5 – Dd-7			
<p><b>01</b> Dd-5</p>  <p>Male NPTF Pipe Rigid – Straight SAE J476A / J516 – AGN</p>	<p><b>03</b> Dd-5</p>  <p>Male JIC 37° – Rigid Straight ISO12151-5-S – AGJ</p>	<p><b>06</b> Dd-6</p>  <p>Female JIC 37° – Swivel Straight ISO12151-5-SWS – DKJ</p>	<p><b>37</b> Dd-6</p>  <p>Female JIC 37° – Swivel 45° Elbow ISO 12151-5-SWE 45° – DKJ 45°</p>
<p><b>39</b> Dd-7</p>  <p>Female JIC 37° – Swivel 90° Elbow ISO 12151-5-SWES – DKJ 90°</p>			



## Flange

Page Dd-8 – Dd-12			
<p><b>15/4A</b> Dd-8</p>  <p>SAE Code 61 Flange Straight ISO 12151-3-S-L-SFL 5000 psi</p>	<p><b>17/4F</b> Dd-8</p>  <p>SAE Code 61 Flange 45° Elbow ISO 12151-3-E45S-L-SFL 45° 5000 psi</p>	<p><b>19/4N</b> Dd-9</p>  <p>SAE Code 61 Flange 90° Elbow ISO 12151-3-E-L-SFL 90° 5000 psi</p>	<p><b>6A</b> Dd-9</p>  <p>SAE Code 62 Flange Straight ISO 12151-3-S-S-SFS 6000 psi</p>
<p><b>6F</b> Dd-10</p>  <p>SAE Code 62 Flange 45° Elbow – Heavy Series ISO 12151-3-E45-S-SFS 45° 6000 psi</p>	<p><b>6N</b> Dd-10</p>  <p>SAE Code 62 Flange 90° Elbow ISO 12151-3-E-S-SFS 90° 6000 psi</p>	<p><b>XA</b> Dd-11</p>  <p>Caterpillar® Flange Straight</p>	<p><b>XF</b> Dd-11</p>  <p>Caterpillar® Flange 45° Elbow</p>
<p><b>XG</b> Dd-12</p>  <p>Caterpillar® Flange 60° Elbow</p>	<p><b>XN</b> Dd-12</p>  <p>Caterpillar® Flange 90° Elbow</p>		


## ORFS

Page Dd-13 – Dd-15			
<p><b>JC</b> Dd-13</p>  <p>Female ORFS Swivel – Straight Short ISO 12151-1-SWSA SAE J516 – ORFS</p>	<p><b>JS</b> Dd-13</p>  <p>ORFS Swivel Female (Long) ISO 12151-1-SWSB SAE J516 – ORFS</p>	<p><b>J7</b> Dd-14</p>  <p>Female ORFS – Swivel 45° Elbow ISO 12151-1-SWE 45° SAE J516 – ORFS 45°</p>	<p><b>J9</b> Dd-14</p>  <p>Female ORFS – Swivel 90° Elbow – Short Drop ISO 12151-1-SWES SAE J516 – ORFS 90°</p>
<p><b>JM</b> Dd-15</p>  <p>ORFS Male ISO 12151-1-S – SAE J516</p>			

## French Standard

Page Dd-16	
<p><b>F2</b> Dd-16</p>  <p>Female French Gas Series Swivel – 90° Elbow</p>	<p><b>F4</b> Dd-16</p>  <p>Female French Gas Series Swivel – Straight (Ball Nose)</p>

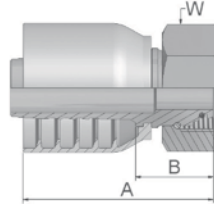
## Others

Page Dd-17	
<p><b>XU</b> Dd-17</p>  <p>Female Metric – Swivel Straight (30° Flare) JIS B8363</p>	



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

ISO 12151-2-SWS-S – DKOS

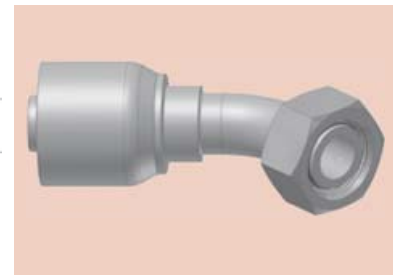
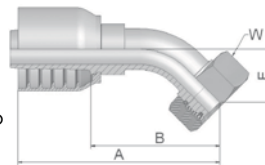


XXXXX-XX-XX Part Number 73	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
1C973-20-12	20	3/4	-12	19.1	M30x2	20	81	33	36
1C973-25-12	20	3/4	-12	19.1	M36x2	25	79	31	46
1C973-25-16	25	1	-16	25.4	M36x2	25	87	36	46
1C973-30-16	25	1	-16	25.4	M42x2	30	87	36	50
1C973-30-20	32	1-1/4	-20	31.8	M42x2	30	106	42	50
1C973-38-20	32	1-1/4	-20	31.8	M52x2	38	101	37	60
1C973-38-24	40	1-1/2	-24	38.1	M52x2	38	105	42	60

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

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

ISO 12151-2 – SWE 45°-S – DKOS 45°



XXXXX-XX-XX Part Number 73	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
10C73-20-12	20	3/4	-12	19.1	M30x2	20	112	64	28	36
10C73-25-12	20	3/4	-12	19.1	M36x2	25	112	64	29	46
10C73-30-16	25	1	-16	25.4	M42x2	30	131	81	34	50
10C73-38-20	32	1-1/4	-20	31.8	M52x2	38	161	97	37	60

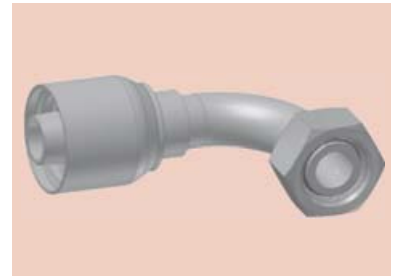
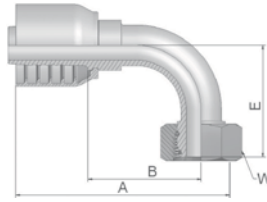
Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:

73 731

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

ISO 12151-2-SWE-S – DKOS 90°

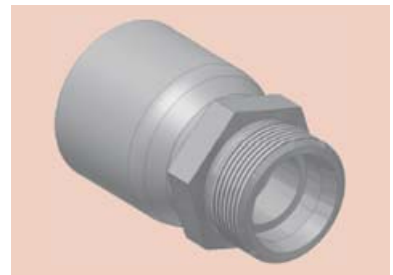
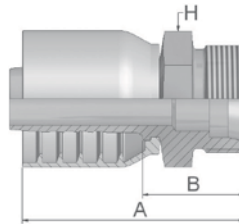


XXXXX-XX-XX Part Number 73	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
11C73-20-12	20	3/4	-12	19.1	M30x2	20	101	53	57	36
11C73-25-12	20	3/4	-12	19.1	M36x2	25	101	53	59	46
11C73-25-16	25	1	-16	25.4	M36x2	25	122	71	70	46
11C73-30-16	25	1	-16	25.4	M42x2	30	122	71	73	50
11C73-30-20	32	1-1/4	-20	31.8	M42x2	30	138	73	74	50
11C73-38-20	32	1-1/4	-20	31.8	M52x2	38	151	87	78	60

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C. Find O-rings in section E. Special O-rings are available on request.

## D2 Male Metric 24° – Rigid Heavy Series – Straight

ISO 12151-2-S-S – CES



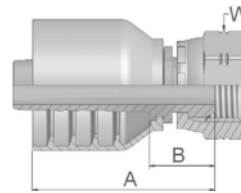
XXXXX-XX-XX Part Number 73	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	H mm
	DN	Inch	Size	mm					
1D273-20-12	20	3/4	-12	19.1	M30x2	20	84	35	30
1D273-25-12	20	3/4	-12	19.1	M36x2	25	86	38	36
1D273-30-16	25	1	-16	25.4	M42x2	30	94	42	46
1D273-38-20	32	1-1/4	-20	31.8	M52x2	38	112	46	55

Approved **fitting series** for hose types:

73 731

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

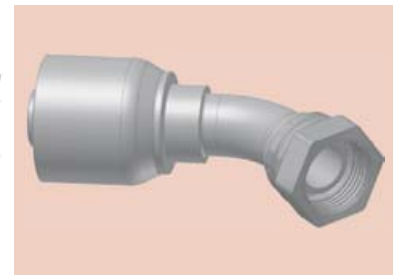
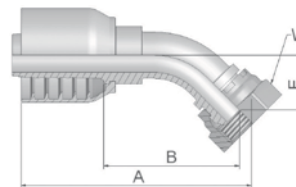
BS5200-A – DKR



XXXXX-XX-XX Part Number 73	Hose I.D.				Thread BSP	A mm	B mm	W mm
	DN	Inch	Size	mm				
19273-12-12	20	3/4	-12	19.1	3/4x14	77	29	32
19273-16-16	25	1	-16	25.4	1x11	89	38	41
19273-20-20	32	1-1/4	-20	31.8	1-1/4x11	101	37	50
19273-24-24	40	1-1/2	-24	38.1	1-1/2x11	100	37	55
19273-32-32	50	2	-32	50.8	2x11	113	38	70

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

BS 5200-D – DKR 45°



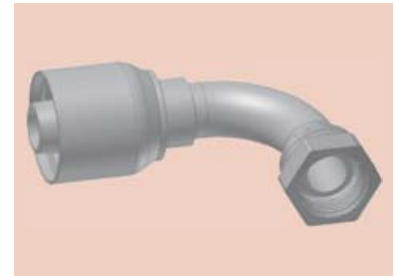
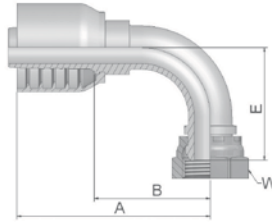
XXXXX-XX-XX Part Number 73	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1B173-12-12	20	3/4	-12	19.1	3/4x14	110	62	26	32
1B173-16-16	25	1	-16	25.4	1x11	136	84	39	41
1B173-20-20	32	1-1/4	-20	31.8	1-1/4x11	168	104	43	50
1B173-24-24	40	1-1/2	-24	38.1	1-1/2x11	186	123	52	55
1B173-32-32	50	2	-32	50.8	2x11	249	177	70	70

Approved **fitting series** for hose types:

73 731

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

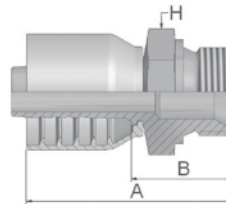
BS 5200-B – DKR 90°



XXXXX-XX-XX Part Number 73	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1B273-12-12	20	3/4	-12	19.1	3/4x14	106	58	55	32
1B273-16-16	25	1	-16	25.4	1x11	121	70	76	41
1B273-20-20	32	1-1/4	-20	31.8	1-1/4x11	151	87	80	50
1B273-24-24	40	1-1/2	-24	38.1	1-1/2x11	166	103	103	55
1B273-32-32	50	2	-32	50.8	2x11	229	157	121	70

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

BS5200 – AGR



XXXXX-XX-XX Part Number 73	Hose I.D.				Thread BSP	A mm	B mm	H mm
	DN	Inch	Size	mm				
1D973-12-12	20	3/4	-12	19.1	3/4x14	87	39	32
1D973-16-16	25	1	-16	25.4	1x11	96	43	41
1D973-20-20	32	1-1/4	-20	31.8	1-1/4x11	113	49	50
1D973-24-24	40	1-1/2	-24	38.1	1-1/2x11	114	51	55
1D973-32-32	50	2	-32	50.8	2x11	129	58	70

Approved **fitting series** for hose types:

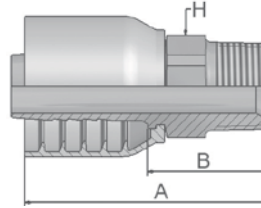
73 731



# 01

## Male NPTF Pipe Rigid – Straight

SAE J476A / J516 – AGN

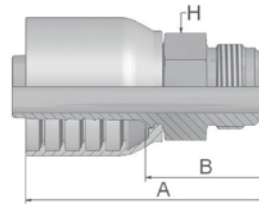


XXXXX-XX-XX Part Number 73	Hose I.D.				Thread NPTF	A mm	B mm	H mm Inch
	DN	Inch	Size	mm				
10173-12-12-SM	20	3/4	-12	19.1	3/4x14	90	42	30
10173-16-16-SM	25	1	-16	25.4	1x11-1/2	100	50	36
10173-20-20-SM	32	1-1/4	-20	31.8	1-1/4x11-1/2	125	61	46
10173-24-24	40	1-1/2	-24	38.1	1-1/2x11-1/2	124	61	50
10173-32-32	50	2	-32	50.8	2x11-1/2	141	73	2-1/2

# 03

## Male JIC 37° – Rigid Straight

ISO12151-5-S – AGJ



XXXXX-XX-XX Part Number 73	Hose I.D.				Thread UNF	A mm	B mm	H mm
	DN	Inch	Size	mm				
10373-12-12-SM	20	3/4	-12	19.1	1-1/16x12	89	41	30
10373-16-12	20	3/4	-12	19.1	1-5/16x12	91	43	36
10373-16-16-SM	25	1	-16	25.4	1-5/16x12	97	47	36
10373-20-16	25	1	-16	25.4	1-5/8x12	102	52	46
10373-20-20-SM	32	1-1/4	-20	31.8	1-5/8x12	118	54	46
10373-24-20	32	1-1/4	-20	31.8	1-7/8x12	118	54	50
10373-24-24-SM	40	1-1/2	-24	38.1	1-7/8x12	122	59	50
10373-32-32-SM	50	2	-32	50.8	2-1/2x12	143	72	65

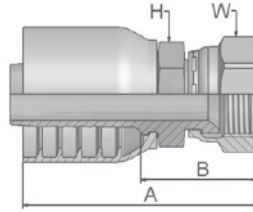
Approved fitting series for hose types:

SM: Metric Hexagon

73 731

## 06 Female JIC 37° – Swivel Straight

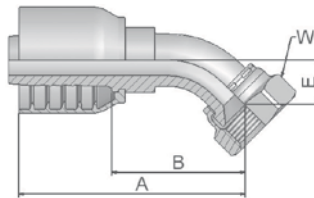
ISO12151-5-SWS – DKJ



XXXXX-XX-XX Part Number 73	Hose I.D.				Thread UNF	A mm	B mm	H mm Inch	W mm Inch
	DN	Inch	Size	mm					
10673-12-12-SM	20	3/4	-12	19.1	1-1/16x12	93	45	30	32
10673-16-12	20	3/4	-12	19.1	1-5/16x12	95	47	1-3/8	1-1/2
10673-16-16-SM	25	1	-16	25.4	1-5/16x12	103	52	36	41
10673-20-16	25	1	-16	25.4	1-5/8x12	108	60	1-3/4	2
10673-16-20-SM	32	1-1/4	-20	31.8	1-5/16x12	116	52	46	41
10673-20-20-SM	32	1-1/4	-20	31.8	1-5/8x12	125	61	46	55
10673-24-20-SM	32	1-1/4	-20	31.8	1-7/8x12	130	66	50	60
10673-24-24-SM	40	1-1/2	-24	38.1	1-7/8x12	128	66	50	60

## 37 Female JIC 37° – Swivel 45° Elbow

ISO 12151-5-SWE 45° – DKJ 45°



XXXXX-XX-XX Part Number 73	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
13773-12-12-SM	20	3/4	-12	19.1	1-1/16x12	104	56	22	32
13773-16-12	20	3/4	-12	19.1	1-5/16x12	107	59	24	41
13773-16-16-SM	25	1	-16	25.4	1-5/16x12	119	69	24	41
13773-20-16-SM	25	1	-16	25.4	1-5/8x12	143	92	47	55
13773-20-20-SM	32	1-1/4	-20	31.8	1-5/8x12	172	108	47	55
13773-24-24-SM	40	1-1/2	-24	38.1	1-7/8x12	194	132	58	60
13773-32-32-SM	50	2	-32	50.8	2-1/2x12	251	179	72	75

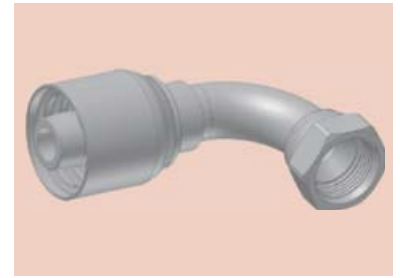
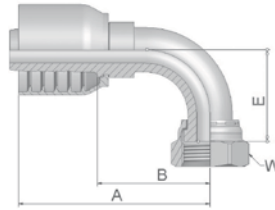
Approved fitting series for hose types:

SM: Metric Hexagon

73 731

# 39 Female JIC 37° – Swivel 90° Elbow

ISO 12151-5-SWES – DKJ 90°



XXXXX-XX-XX Part Number 73	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm Inch
	DN	Inch	Size	mm					
13973-12-12-SM	20	3/4	-12	19.1	1-1/16x12	101	53	48	32
13973-16-12	20	3/4	-12	19.1	1-5/16x12	115	94	41	1-1/2
13973-16-16-SM	25	1	-16	25.4	1-5/16x12	118	67	56	41
13973-20-16	25	1	-16	25.4	1-5/8x12	118	67	85	55
13973-20-20-SM	32	1-1/4	-20	31.8	1-5/8x12	151	87	85	55
13973-24-24-SM	40	1-1/2	-24	38.1	1-7/8x12	194	119	102	60
13973-32-32-SM	50	2	-32	50.8	2-1/2x12	229	157	152	75

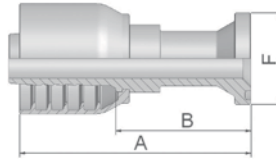
Approved **fitting series** for hose types:

SM: Metric Hexagon

73 731

## 15/4A SAE Code 61 Flange Straight

ISO 12151-3-S-L – SFL  
5000 psi



XXXXX-XX-XX Part Number 73	Hose I.D.				Flange	A mm	B mm	F mm
	DN	Inch	Size	mm				
11573-12-12	20	3/4	-12	19.1	3/4	110	62	38
11573-16-12	20	3/4	-12	19.1	1	91	43	45
11573-16-16	25	1	-16	25.4	1	117	67	45
14A73-20-16	25	1	-16	25.4	1-1/4	85	34	51
11573-16-20	32	1-1/4	-20	31.8	1	133	69	45
14A73-20-20	32	1-1/4	-20	31.8	1-1/4	141	77	51
14A73-24-20	32	1-1/4	-20	31.8	1-1/2	104	40	60
14A73-24-24	40	1-1/2	-24	38.1	1-1/2	166	103	60
14A73-32-24	40	1-1/2	-24	38.1	2	113	50	71
14A73-32-32	50	2	-32	50.8	2	220	148	71

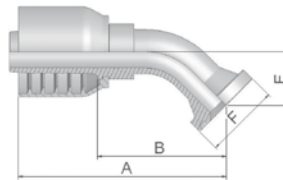
Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

Find O-rings in section E. Special O-rings are available on request.

## 17/4F SAE Code 61 Flange 45° Elbow

ISO 12151-3 – E45S – L – SFL 45°  
5000 psi



XXXXX-XX-XX Part Number 73	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
11773-12-12	20	3/4	-12	19.1	3/4	119	71	27	38
11773-16-12	20	3/4	-12	19.1	1	109	64	26	44
11773-16-16	25	1	-16	25.4	1	127	77	32	45
14F73-20-16	25	1	-16	25.4	1-1/4	136	85	32	51
14F73-20-20	32	1-1/4	-20	31.8	1-1/4	160	96	35	51
14F73-24-20	32	1-1/4	-20	31.8	1-1/2	162	102	38	60
14F73-24-24	40	1-1/2	-24	38.1	1-1/2	178	115	44	60
14F73-32-24	40	1-1/2	-24	38.1	2	177	114	43	71

Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

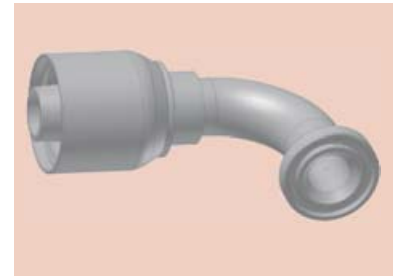
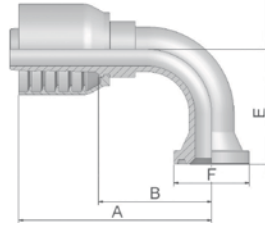
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:

73 731

# 19/4N SAE Code 61 Flange 90° Elbow

ISO 12151-3-E-L – SFL 90°  
5000 psi



XXXXX-XX-XX Part Number 73	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
11973-12-12	20	3/4	-12	19.1	3/4	109	61	58	38
11973-16-12	20	3/4	-12	19.1	1	102	54	58	45
11973-12-16	25	1	-16	25.4	3/4	111	61	72	38
11973-16-16	25	1	-16	25.4	1	118	67	70	45
14N73-20-16	25	1	-16	25.4	1-1/4	128	78	68	51
14N73-20-20	32	1-1/4	-20	31.8	1-1/4	155	91	90	51
14N73-24-20	32	1-1/4	-20	31.8	1-1/2	155	91	90	60
14N73-24-24	40	1-1/2	-24	38.1	1-1/2	166	103	93	60
14N73-32-24	40	1-1/2	-24	38.1	2	166	103	92	71
14N73-32-32	50	2	-32	50.8	2	220	148	133	71

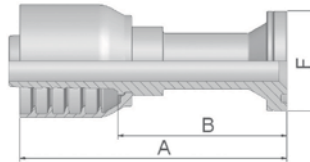
Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

Find O-rings in section E. Special O-rings are available on request.

# 6A SAE Code 62 Flange Straight

ISO 12151-3-S-S – SFS  
6000 psi



XXXXX-XX-XX Part Number 73	Hose I.D.				Flange	A mm	B mm	F mm
	DN	Inch	Size	mm				
16A73-12-12	20	3/4	-12	19.1	3/4	130	82	41
16A73-16-12	20	3/4	-12	19.1	1	135	87	48
16A73-12-16	25	1	-16	25.4	3/4	136	85	41
16A73-16-16	25	1	-16	25.4	1	131	81	48
16A73-20-16	25	1	-16	25.4	1-1/4	100	50	54
16A73-16-20	32	1-1/4	-20	31.8	1	149	85	48
16A73-20-20	32	1-1/4	-20	31.8	1-1/4	149	85	54
16A73-24-20	32	1-1/4	-20	31.8	1-1/2	121	57	64
16A73-20-24	40	1-1/2	-24	38.1	1-1/4	158	96	54
16A73-24-24	40	1-1/2	-24	38.1	1-1/2	166	104	64
16A73-32-24	40	1-1/2	-24	38.1	2	129	66	79
16A73-32-32	50	2	-32	50.8	2	194	122	79

Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

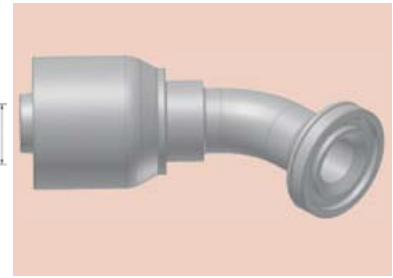
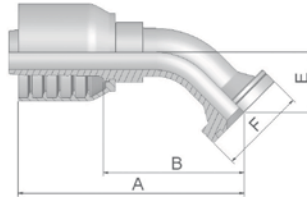
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:

**73** 731

## 6F SAE Code 62 Flange 45° Elbow – Heavy Series

ISO 12151-3 – E45-S – SFS 45°  
6000 psi



XXXXX-XX-XX Part Number 73	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
16F73-12-12	20	3/4	-12	19.1	3/4	110	62	26	41
16F73-16-12	20	3/4	-12	19.1	1	110	62	26	48
16F73-12-16	25	1	-16	25.4	3/4	123	73	32	41
16F73-16-16	25	1	-16	25.4	1	129	79	32	48
16F73-20-16	25	1	-16	25.4	1-1/4	129	79	32	54
16F73-16-20	32	1-1/4	-20	31.8	1	157	93	33	48
16F73-20-20	32	1-1/4	-20	31.8	1-1/4	163	98	38	54
16F73-24-20	32	1-1/4	-20	31.8	1-1/2	163	99	38	63
16F73-24-24	40	1-1/2	-24	38.1	1-1/2	178	115	44	64
16F73-32-32	50	2	-32	50.8	2	230	158	56	79

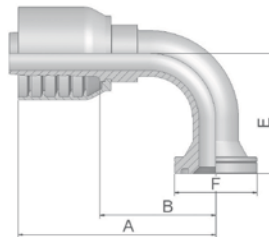
Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

Find O-rings in section E. Special O-rings are available on request.

## 6N SAE Code 62 Flange 90° Elbow

ISO 12151-3 – E-S – SFS 90°  
6000 psi



XXXXX-XX-XX Part Number 73	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
16N73-12-12	20	3/4	-12	19.1	3/4	101	53	58	41
16N73-16-12	20	3/4	-12	19.1	1	111	63	58	48
16N73-20-12	20	3/4	-12	19.1	1-1/4	111	63	63	54
16N73-12-16	25	1	-16	25.4	3/4	108	57	70	41
16N73-16-16	25	1	-16	25.4	1	122	71	70	48
16N73-20-16	25	1	-16	25.4	1-1/4	122	71	70	54
16N73-16-20	32	1-1/4	-20	31.8	1	137	73	90	48
16N73-20-20	32	1-1/4	-20	31.8	1-1/4	172	108	71	54
16N73-24-20	32	1-1/4	-20	31.8	1-1/2	172	108	76	64
16N73-24-24	40	1-1/2	-24	38.1	1-1/2	166	103	104	64
16N73-32-32	50	2	-32	50.8	2	229	157	138	79

Find SAE flange halves in section Eb.

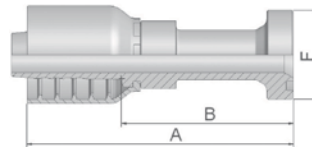
Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:

73 731

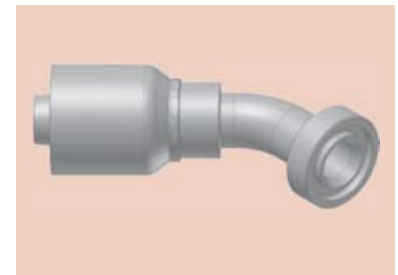
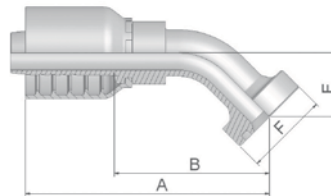
**XA** Caterpillar® Flange  
Straight



XXXXX-XX-XX Part Number 73	Hose I.D.				Flange	A mm	B mm	F mm
	DN	Inch	Size	mm				
1XA73-12-12	20	3/4	-12	19.1	3/4	123	75	41
1XA73-16-12	20	3/4	-12	19.1	1	134	86	48
1XA73-16-16	25	1	-16	25.4	1	138	88	48

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

**XF** Caterpillar® Flange  
45° Elbow



XXXXX-XX-XX Part Number 73	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
1XF73-12-12	20	3/4	-12	19.1	3/4	123	75	31	41
1XF73-16-12	20	3/4	-12	19.1	1	122	74	31	48
1XF73-16-16	25	1	-16	25.4	1	139	88	36	48

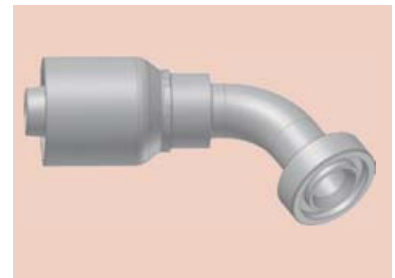
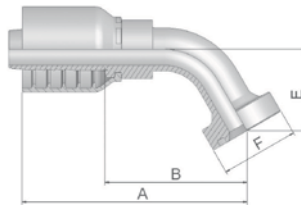
Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:

**73** 731



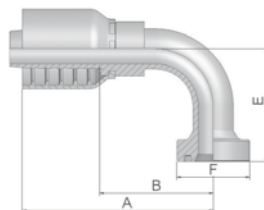
**XG** Caterpillar® Flange  
60° Elbow



XXXXX-XX-XX Part Number 73	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
1XG73-12-12	20	3/4	-12	19.1	3/4	138	90	42	41
1XG73-16-16	25	1	-16	25.4	1	160	109	50	48
1XG73-20-16	25	1	-16	25.4	1-1/4	153	103	48	54

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

**XN** Caterpillar® Flange  
90° Elbow



XXXXX-XX-XX Part Number 73	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
1XN73-12-12	20	3/4	-12	19.1	3/4	111	63	63	41
1XN73-16-16	25	1	-16	25.4	1	128	78	74	48
1XN73-20-20	32	1-1/4	-20	31.8	1-1/4	172	108	77	54

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

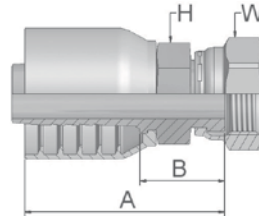
Approved **fitting series** for hose types:

73 731

# JC

## Female ORFS Swivel – Straight Short

ISO 12151-1 – SWSA  
SAE J516 – ORFS

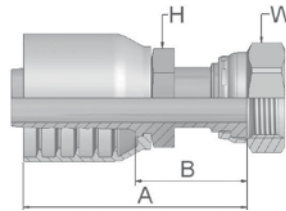


XXXXX-XX-XX Part Number 73	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
1JC73-12-12-SM	20	3/4	-12	19.1	1-3/16x12	81	33	30	36
1JC73-16-16-SM	25	1	-16	25.4	1-7/16x12	97	38	36	41
1JC73-20-20-SM	32	1-1/4	-20	31.8	1-11/16x12	106	42	46	50
1JC73-24-24-SM	40	1-1/2	-24	38.1	2x12	117	44	50	60

# JS

## ORFS Swivel Female (Long)

ISO 12151-1-SWSB  
SAE J516 – ORFS



XXXXX-XX-XX Part Number 73	Hose I.D.				Thread UNF	A mm	B mm	H mm Inch	W mm Inch
	DN	Inch	Size	mm					
1JS73-12-12-SM	20	3/4	-12	19.1	1-3/16x12	98	50	30	36
1JS73-16-12-SM	20	3/4	-12	19.1	1-7/16x12	103	58	1-3/8	1-5/8
1JS73-16-16-SM	25	1	-16	25.4	1-7/16x12	103	52	36	41
1JS73-20-16-SM	25	1	-16	25.4	1-11/16x12	114	64	41	50
1JS73-20-20-SM	32	1-1/4	-20	31.8	1-11/16x12	118	54	46	50
1JS73-24-24-SM	40	1-1/2	-24	38.1	2x12	120	57	50	60

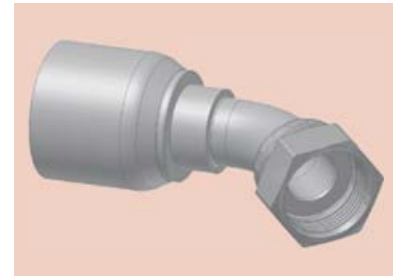
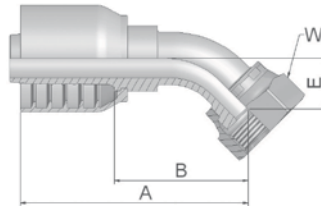
Approved fitting series for hose types:

SM: Metric Hexagon

73 731

## J7 Female ORFS – Swivel 45° Elbow

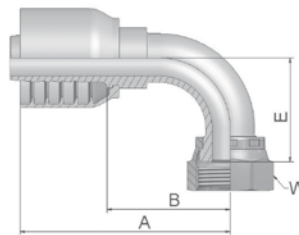
ISO 12151-1 – SWE 45°  
SAE J516 – ORFS 45°



XXXXX-XX-XX Part Number 73	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1J773-12-12-SM	20	3/4	-12	19.1	1-3/16x12	105	57	21	36
1J773-16-12-SM	20	3/4	-12	19.1	1-7/16x12	107	59	24	41
1J773-16-16-SM	25	1	-16	25.4	1-7/16x12	119	69	24	41
1J773-20-16-SM	25	1	-16	25.4	1-11/16x12	131	80	26	50
1J773-20-20-SM	32	1-1/4	-20	31.8	1-11/16x12	154	90	30	50

## J9 Female ORFS – Swivel 90° Elbow – Short Drop

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



XXXXX-XX-XX Part Number 73	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1J973-12-12-SM	20	3/4	-12	19.1	1-3/16x12	101	53	48	36
1J973-16-12-SM	20	3/4	-12	19.1	1-7/16x12	114	66	56	41
1J973-16-16-SM	25	1	-16	25.4	1-7/16x12	120	70	56	41
1J973-20-16-SM	25	1	-16	25.4	1-11/16x12	127	77	64	50
1J973-20-20-SM	32	1-1/4	-20	31.8	1-11/16x12	151	87	69	50

Approved **fitting series** for hose types:

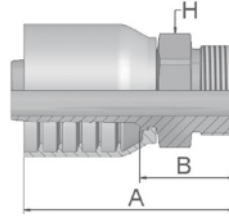
SM: Metric Hexagon

73 731

**JM**

**ORFS Male**

ISO 12151-1-S – SAE J516



XXXXX-XX-XX Part Number 73	Hose I.D.				Thread UNF	A mm	B mm	H mm
	DN	Inch	Size	mm				
1JM73-16-12-SM	20	3/4	-12	19.1	1-7/16x12	87	39	41
1JM73-16-16-SM	25	1	-16	25.4	1-7/16x12	93	42	41
1JM73-20-16-SM	25	1	-16	25.4	1-11/16x12	89	39	46
1JM73-20-20-SM	32	1-1/4	-20	31.8	1-11/16x12	106	42	46

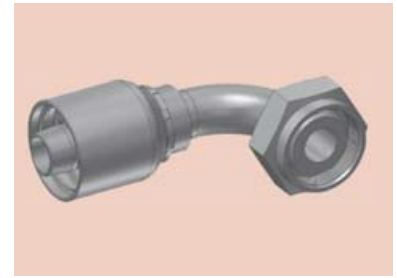
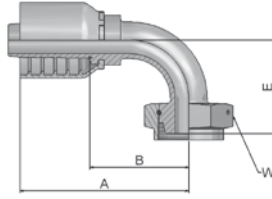
JM fittings are supplied without O-ring.  
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:

SM: Metric Hexagon

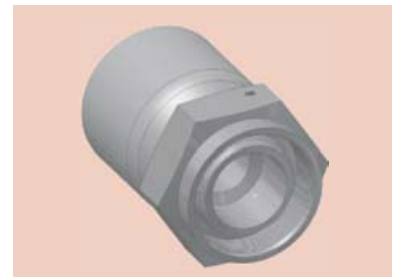
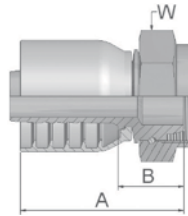
73 731

## F2 Female French Gas Series Swivel – 90° Elbow



XXXXX-XX-XX Part Number 73	Hose I.D.				Thread metric	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1F273-33-16	25	1	-16	25.4	M45x1.5	122	71	68	55

## F4 Female French Gas Series Swivel – Straight (Ball Nose)



XXXXX-XX-XX Part Number 73	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
1F473-27-12	20	3/4	-12	19.1	M36x1.5	27	83	33	46
1F473-33-16	25	1	-16	25.4	M45x1.5	33	85	34	55

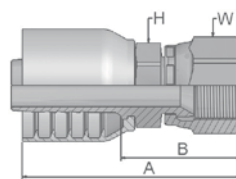
Approved **fitting series** for hose types:


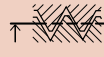


73 731

# XU

## Female Metric – Swivel Straight (30° Flare)

JIS B8363






XXXXX-XX-XX Part Number 73	 Hose I.D.				 Thread metric	A	B	 H	 W
	DN	Inch	Size	mm		mm	mm	mm	mm
1XU73-12-12	20	3/4	-12	19.1	M30x1.5	76	28	32	36
1XU73-16-16	25	1	-16	25.4	M33x1.5	85	35	36	41

Approved **fitting series** for hose types:

**73** 731

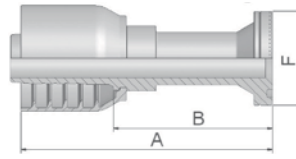
## Flange

Page De-1		
<b>8A</b> De-1  Flange – Straight 8000 psi	<b>8F</b> De-1  Flange – 45° Elbow 8000 psi	<b>8N</b> De-1  Flange – 90° Elbow 8000 psi



## 8A Flange – Straight

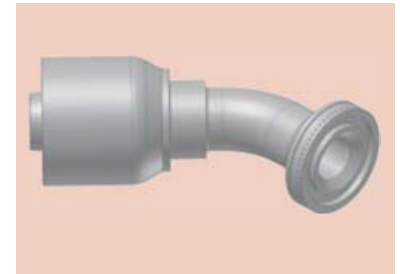
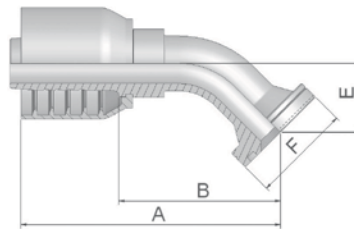
8000 psi



XXXXX-XX-XX Part Number 76	Hose I.D.				Flange	A mm	B mm	F mm
	DN	Inch	Size	mm				
18A76-12-12	20	3/4	-12	19.1	3/4	134	75	41
18A76-16-16	25	1	-16	25.4	1	145	81	48

## 8F Flange – 45° Elbow

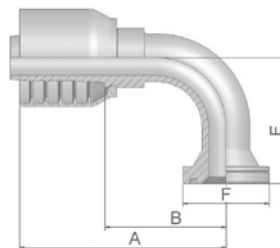
8000 psi



XXXXX-XX-XX Part Number 76	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
18F76-12-12	20	3/4	-12	19.1	3/4	126	67	26	41
18F76-16-16	25	1	-16	25.4	1	155	90	32	48

## 8N Flange – 90° Elbow

8000 psi


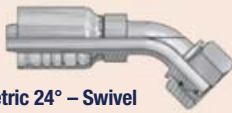




XXXXX-XX-XX Part Number 76	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
18N76-12-12	20	3/4	-12	19.1	3/4	122	63	70	41
18N76-16-16	25	1	-16	25.4	1	150	85	70	48





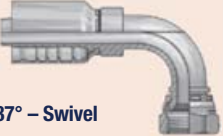
Approved **fitting series** for hose types:

76 761


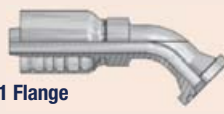







## DIN – Metric

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<p><b>C9</b> Df-1</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring Straight ISO 12151-2-SWS-S – DKOS</p>	<p><b>0C</b> Df-1</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring 45° Elbow ISO 12151-2 – SWE 45°-S – DKOS 45°</p>	<p><b>1C</b> Df-2</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring 90° Elbow ISO 12151-2-SWE-S – DKOS 90°</p>	<p><b>D2</b> Df-2</p>  <p>Male Metric 24° – Rigid Heavy Series – Straight ISO 12151-2-S-S – CES</p>



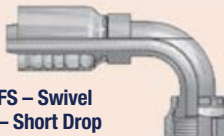

## SAE

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<p><b>01</b> Df-3</p>  <p>Male NPTF Pipe Rigid – Straight SAE J476A / J516 – AGN</p>	<p><b>03</b> Df-3</p>  <p>Male JIC 37° – Rigid Straight ISO12151-5-S – AGJ</p>	<p><b>06</b> Df-4</p>  <p>Female JIC 37° – Swivel Straight ISO12151-5-SWS – DKJ</p>	<p><b>37</b> Df-4</p>  <p>Female JIC 37° – Swivel 45° Elbow ISO 12151-5-SWE 45° – DKJ 45°</p>
<p><b>39</b> Df-5</p>  <p>Female JIC 37° – Swivel 90° Elbow ISO 12151-5-SWES – DKJ 90°</p>			

## Flange

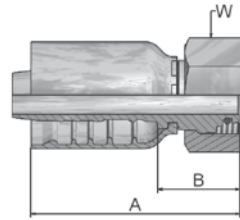
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<p><b>15/4A</b> Df-6</p>  <p>SAE Code 61 Flange Straight ISO 12151-3-S-L – SFL 5000 psi</p>	<p><b>17/4F</b> Df-6</p>  <p>SAE Code 61 Flange 45° Elbow ISO 12151-3 – E45S – L – SFL 45° 5000 psi</p>	<p><b>19/4N</b> Df-7</p>  <p>SAE Code 61 Flange 90° Elbow ISO 12151-3-E-L – SFL 90° 5000 psi</p>	<p><b>6A</b> Df-7</p>  <p>SAE Code 62 Flange Straight ISO 12151-3-S-S – SFS 6000 psi</p>
<p><b>6F</b> Df-8</p>  <p>SAE Code 62 Flange 45° Elbow – Heavy Series ISO 12151-3 – E45-S – SFS 45° 6000 psi</p>	<p><b>6N</b> Df-8</p>  <p>SAE Code 62 Flange 90° Elbow ISO 12151-3 – E-S – SFS 90° 6000 psi</p>	<p><b>X5</b> Df-9</p>  <p>Flange – Straight Full flange system for Code 61 or Code 62</p>	<p><b>X7</b> Df-9</p>  <p>Flange – 45° Elbow Full flange system for Code 61 or Code 62</p>
<p><b>X9</b> Df-10</p>  <p>Flange – 90° Elbow Full flange system for Code 61 or Code 62</p>			

## ORFS

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<p><b>JC</b> Df-11</p>  <p>Female ORFS Swivel – Straight Short ISO 12151-1 – SWSA SAE J516 – ORFS</p>	<p><b>J7</b> Df-11</p>  <p>Female ORFS – Swivel 45° Elbow ISO 12151-1 – SWE 45° SAE J516 – ORFS 45°</p>	<p><b>J9</b> Df-12</p>  <p>Female ORFS – Swivel 90° Elbow – Short Drop ISO 12151-1 – SWES SAE J516 – ORFS 90°</p>	<p><b>JM</b> Df-12</p>  <p>ORFS Male ISO 12151-1-S – SAE J516</p>

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

ISO 12151-2-SWS-S – DKOS

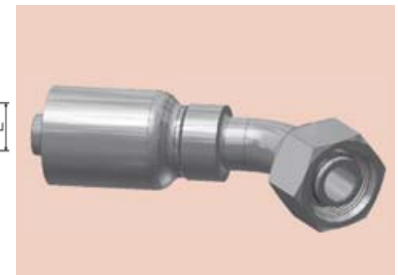
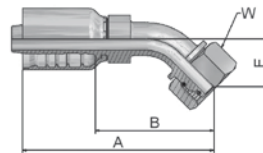


XXXXX-XX-XX Part Number 77	Hose I.D.				Thread metric	A mm	B mm	W mm
	DN	Inch	Size	mm				
1C977-16-8	12	1/2	-8	12.7	M24x1.5	60	25	30
1C977-20-10	16	5/8	-10	15.9	M30x2	67	28	36
1C977-20-12	20	3/4	-12	19.1	M30x2	76	30	36
1C977-25-12	20	3/4	-12	19.1	M36x2	77	31	46
1C977-30-16	25	1	-16	25.4	M42x2	89	35	50

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

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

ISO 12151-2 – SWE 45°-S – DKOS 45°



XXXXX-XX-XX Part Number 77	Hose I.D.				Thread metric	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
10C77-16-8	12	1/2	-8	12.7	M24x1.5	83	49	24	30
10C77-20-12	20	3/4	-12	19.1	M30x2	120	74	30	36
10C77-25-12	20	3/4	-12	19.1	M36x2	119	73	29	46
10C77-30-16	25	1	-16	25.4	M42x2	142	88	33	50

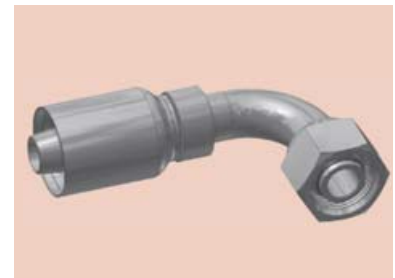
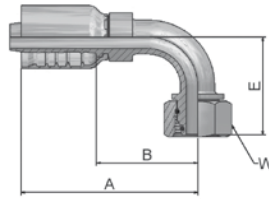
Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:

77 787TC 797TC

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

ISO 12151-2-SWE-S – DKOS 90°

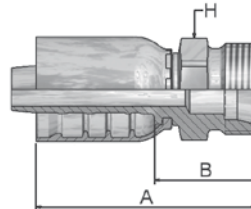


XXXXX-XX-XX Part Number 77	Hose I.D.				Thread metric	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
11C77-16-8	12	1/2	-8	12.7	M24x1.5	77	42	45	30
11C77-20-12	20	3/4	-12	19.1	M30x2	108	62	60	36
11C77-25-12	20	3/4	-12	19.1	M36x2	108	62	59	46
11C77-30-16	25	1	-16	25.4	M42x2	131	77	69	50

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

## D2 Male Metric 24° – Rigid Heavy Series – Straight

ISO 12151-2-S-S – CES



XXXXX-XX-XX Part Number 77	Hose I.D.				Thread metric	A mm	B mm	H mm
	DN	Inch	Size	mm				
1D277-16-8	12	1/2	-8	12.7	M24x1.5	64	30	24
1D277-20-10	16	5/8	-10	15.9	M30x2	72	34	30
1D277-20-12	20	3/4	-12	19.1	M30x2	84	38	30
1D277-25-12	20	3/4	-12	19.1	M36x2	86	40	36
1D277-30-16	25	1	-16	25.4	M42x2	99	45	46

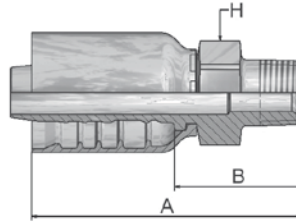
Approved **fitting series** for hose types:

77 787TC 797TC

# 01

## Male NPTF Pipe Rigid – Straight

SAE J476A / J516 – AGN

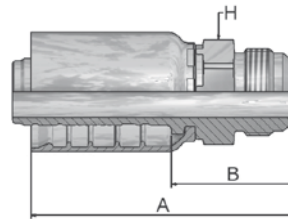


XXXXX-XX-XX Part Number 77	Hose I.D.				Thread NPTF	A mm	B mm	H mm
	DN	Inch	Size	mm				
10177-8-8	12	1/2	-8	12.7	1/2x14	69	35	22
10177-8-12	20	3/4	-12	19.1	1/2x14	87	41	30
10177-12-12	20	3/4	-12	19.1	3/4x14	87	41	30
10177-16-16	25	1	-16	25.4	1x11-1/2	103	49	36

# 03

## Male JIC 37° – Rigid Straight

ISO12151-5-S – AGJ



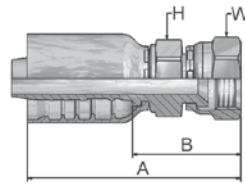
XXXXX-XX-XX Part Number 77	Hose I.D.				Thread UNF	A mm	B mm	H mm
	DN	Inch	Size	mm				
10377-8-8	12	1/2	-8	12.7	3/4x16	66	32	22
10377-10-8	12	1/2	-8	12.7	7/8x14	69	34	24
10377-16-16	25	1	-16	25.4	1-5/16x12	101	47	36

Approved **fitting series** for hose types:

77 787TC 797TC

## 06 Female JIC 37° – Swivel Straight

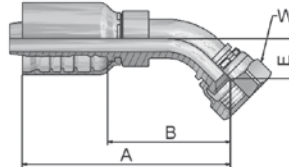
ISO12151-5-SWS – DKJ



XXXXX-XX-XX Part Number 77	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
10677-8-8	12	1/2	-8	12.7	3/4x16	71	37	22	22
10677-10-8	12	1/2	-8	12.7	7/8x14	74	39	22	27
10677-10-10	16	5/8	-10	15.9	7/8x14	81	42	24	27
10677-12-12	20	3/4	-12	19.1	1-1/16x12	94	48	30	32
10677-16-12	20	3/4	-12	19.1	1-5/16x12	99	53	36	41
10677-16-16	25	1	-16	25.4	1-5/16x12	106	52	36	41
10677-20-16	25	1	-16	25.4	1-5/8x12	109	55	41	50

## 37 Female JIC 37° – Swivel 45° Elbow

ISO 12151-5-SWE 45° – DKJ 45°



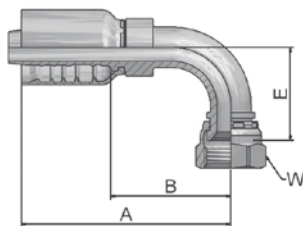
XXXXX-XX-XX Part Number 77	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
13777-8-8	12	1/2	-8	12.7	3/4x16	73	38	15	22
13777-12-12	20	3/4	-12	19.1	1-1/16x12	111	65	21	32
13777-16-16	25	1	-16	25.4	1-5/16x12	133	79	24	41

Approved **fitting series** for hose types:

77 787TC 797TC

# 39 Female JIC 37° – Swivel 90° Elbow

ISO 12151-5-SWES – DKJ 90°



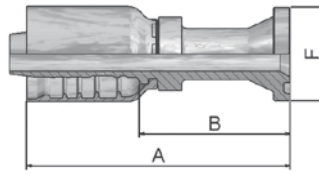
XXXXX-XX-XX Part Number 77	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
13977-8-8	12	1/2	-8	12.7	3/4x16	71	36	29	22
13977-12-12	20	3/4	-12	19.1	1-1/16x12	108	62	48	32
13977-16-16	25	1	-16	25.4	1-5/16x12	131	77	74	41

Approved **fitting series** for hose types:

77 787TC 797TC

## 15/4A SAE Code 61 Flange Straight

ISO 12151-3-S-L – SFL  
5000 psi



XXXXX-XX-XX Part Number 77	Hose I.D.				Flange	A mm	B mm	F mm
	DN	Inch	Size	mm				
11577-8-8	12	1/2	-8	12.7	1/2	90	55	30
11577-12-8	12	1/2	-8	12.7	3/4	67	33	38
11577-12-12	20	3/4	-12	19.1	3/4	107	62	38
11577-16-12	20	3/4	-12	19.1	1	88	42	45
11577-16-16	25	1	-16	25.4	1	119	65	45
14A77-20-16	25	1	-16	25.4	1 1/4	87	33	51

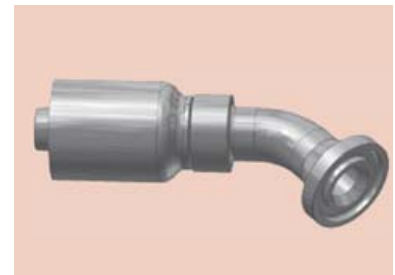
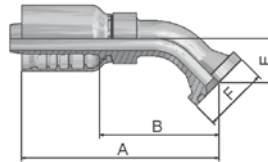
Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

Find O-rings in section E. Special O-rings are available on request.

## 17/4F SAE Code 61 Flange 45° Elbow

ISO 12151-3 – E45S – L – SFL 45°  
5000 psi



XXXXX-XX-XX Part Number 77	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
11777-8-8	12	1/2	-8	12.7	1/2	79	45	20	30
11777-12-8	12	1/2	-8	12.7	3/4	81	47	22	38
11777-12-12	20	3/4	-12	19.1	3/4	116	70	26	38
11777-16-12	20	3/4	-12	19.1	1	116	70	26	45
11777-16-16	25	1	-16	25.4	1	141	87	32	45
14F77-20-16	25	1	-16	25.4	1 1/4	141	87	32	51

Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

Find O-rings in section E. Special O-rings are available on request.

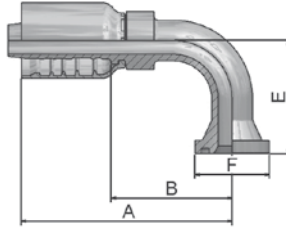
Approved **fitting series** for hose types:

77 787TC 797TC



# 19/4N SAE Code 61 Flange 90° Elbow

ISO 12151-3-E-L – SFL 90°  
5000 psi

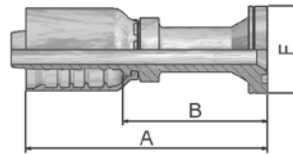


XXXXX-XX-XX Part Number 77	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
11977-8-8	12	1/2	-8	12.7	1/2	76	41	41	30
11977-12-8	12	1/2	-8	12.7	3/4	80	45	42	38
11977-12-12	20	3/4	-12	19.1	3/4	108	62	58	38
11977-16-12	20	3/4	-12	19.1	1	108	62	58	45
11977-16-16	25	1	-16	25.4	1	131	77	70	45
14N77-20-16	25	1	-16	25.4	1 1/4	131	77	69	51

Find SAE flange halves in section Eb.  
Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

# 6A SAE Code 62 Flange Straight

ISO 12151-3-S-S – SFS  
6000 psi



XXXXX-XX-XX Part Number 77	Hose I.D.				Flange	A mm	B mm	F mm
	DN	Inch	Size	mm				
16A77-8-8	12	1/2	-8	12.7	1/2	90	55	32
16A77-12-8	12	1/2	-8	12.7	3/4	69	35	41
16A77-12-12	20	3/4	-12	19.1	3/4	114	68	41
16A77-16-12	20	3/4	-12	19.1	1	88	42	48
16A77-16-16	25	1	-16	25.4	1	134	80	48
16A77-20-16	25	1	-16	25.4	1 1/4	103	49	54

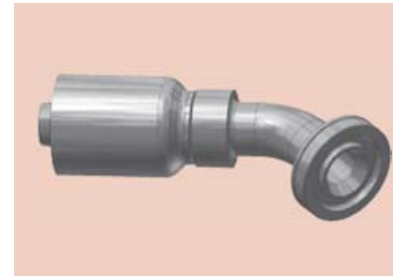
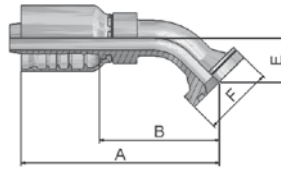
Find SAE flange halves in section Eb.  
Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:

77 787TC 797TC

## 6F SAE Code 62 Flange 45° Elbow – Heavy Series

ISO 12151-3 – E45-S – SFS 45°  
6000 psi



XXXXX-XX-XX Part Number 77	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
16F77-8-8	12	1/2	-8	12.7	1/2	79	44	19	32
16F77-12-8	12	1/2	-8	12.7	3/4	86	51	26	41
16F77-12-12	20	3/4	-12	19.1	3/4	116	70	26	41
16F77-16-12	20	3/4	-12	19.1	1	116	70	26	48
16F77-16-16	25	1	-16	25.4	1	141	87	32	48
16F77-20-16	25	1	-16	25.4	1 1/4	142	88	32	54

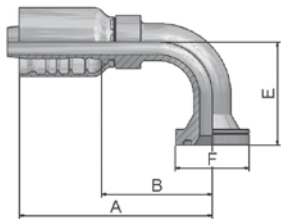
Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

Find O-rings in section E. Special O-rings are available on request.

## 6N SAE Code 62 Flange 90° Elbow

ISO 12151-3 – E-S – SFS 90°  
6000 psi



XXXXX-XX-XX Part Number 77	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
16N77-8-8	12	1/2	-8	12.7	1/2	77	42	41	32
16N77-12-8	12	1/2	-8	12.7	3/4	81	47	45	41
16N77-12-12	20	3/4	-12	19.1	3/4	108	62	58	41
16N77-16-12	20	3/4	-12	19.1	1	108	62	58	48
16N77-16-16	25	1	-16	25.4	1	131	77	70	48
16N77-20-16	25	1	-16	25.4	1 1/4	135	81	70	54

Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

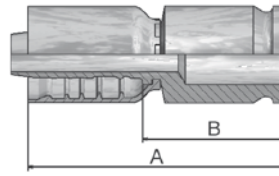
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:

77 787TC 797TC

## X5 Flange – Straight

Full flange system for  
Code 61 or Code 62

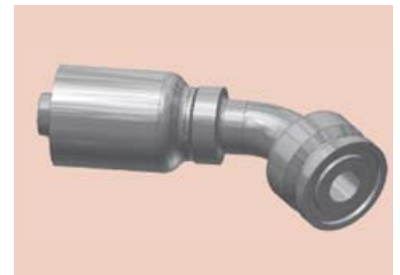
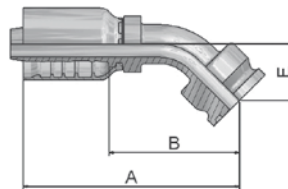


XXXXX-XX-XX Part Number 77	Hose I.D.				A mm	B mm
	DN	Inch	Size	mm		
1X577-12-12	20	3/4	-12	19.1	103	57
1X577-16-12	20	3/4	-12	19.1	103	57
1X577-16-16	25	1	-16	25.4	113	59
1X577-20-16	25	1	-16	25.4	113	59

Find full flange system on page Eb-2.

## X7 Flange – 45° Elbow

Full flange system for  
Code 61 or Code 62



XXXXX-XX-XX Part Number 77	Hose I.D.				A mm	B mm	E mm
	DN	Inch	Size	mm			
1X777-12-12	20	3/4	-12	19.1	118	73	29
1X777-16-12	20	3/4	-12	19.1	118	72	29
1X777-16-16	25	1	-16	25.4	141	87	32
1X777-20-16	25	1	-16	25.4	147	93	38

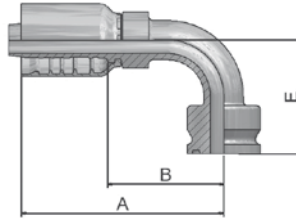
Find full flange system on page Eb-2.

Approved **fitting series** for hose types:

77 787TC 797TC

## X9 Flange – 90° Elbow

Full flange system for  
Code 61 or Code 62



XXXXX-XX-XX Part Number 77	Hose I.D.				A mm	B mm	E mm
	DN	Inch	Size	mm			
1X977-12-12	20	3/4	-12	19.1	108	62	61
1X977-16-12	20	3/4	-12	19.1	108	62	61
1X977-16-16	25	1	-16	25.4	131	77	70
1X977-20-16	25	1	-16	25.4	131	77	70

Find full flange system on page Eb-2.

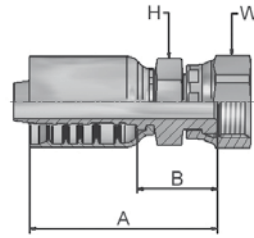
Approved **fitting series** for hose types:

77 787TC 797TC

# JC

## Female ORFS Swivel – Straight Short

ISO 12151-1 – SWSA  
SAE J516 – ORFS

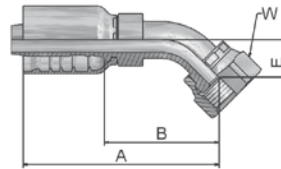


XXXXX-XX-XX Part Number 77	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
1JC77-8-8	12	1/2	-8	12.7	13/16x16	63	23	22	24
1JC77-12-8	12	1/2	-8	12.7	1-3/16x12	64	29	30	36
1JC77-10-10	16	5/8	-10	15.9	1x14	70	31	24	30
1JC77-12-12	20	3/4	-12	19.1	1-3/16x12	79	33	30	36
1JC77-16-12	20	3/4	-12	19.1	1-7/16x12	88	35	36	41
1JC77-12-16	25	1	-16	25.4	1-3/16x12	92	38	36	36
1JC77-16-16	25	1	-16	25.4	1-7/16x12	91	37	36	41
1JC77-20-16	25	1	-16	25.4	1-11/16x12	90	36	41	50

# J7

## Female ORFS – Swivel 45° Elbow

ISO 12151-1 – SWE 45°  
SAE J516 – ORFS 45°



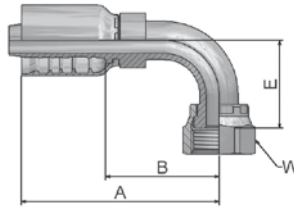
XXXXX-XX-XX Part Number 77	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1J777-8-8	12	1/2	-8	12.7	13/16x16	73	38	15	24
1J777-12-12	20	3/4	-12	19.1	1-3/16x12	111	65	21	36
1J777-16-16	25	1	-16	25.4	1-7/16x12	133	79	24	41

Approved **fitting series** for hose types:

77 787TC 797TC

## J9 Female ORFS – Swivel 90° Elbow – Short Drop

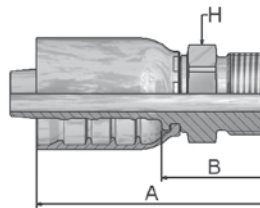
ISO 12151-1 – SWES  
SAE J516 – ORFS 90°



XXXXX-XX-XX Part Number 77	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1J977-8-8	12	1/2	-8	12.7	13/16x16	71	36	29	24
1J977-12-12	20	3/4	-12	19.1	1-3/16x12	108	62	48	36
1J977-16-16	25	1	-16	25.4	1-7/16x12	131	77	56	41

## JM ORFS Male

ISO 12151-1-S – SAE J516



XXXXX-XX-XX Part Number 77	Hose I.D.				Thread UNF	A mm	B mm	H mm
	DN	Inch	Size	mm				
1JM77-8-8	12	1/2	-8	12.7	13/16x16	63	28	22
1JM77-12-8	12	1/2	-8	12.7	1-3/16x12	70	35	32
1JM77-10-10	16	5/8	-10	15.9	1x14	72	33	27
1JM77-12-12	20	3/4	-12	19.1	1-3/16x12	83	37	32
1JM77-16-12	20	3/4	-12	19.1	1-7/16x12	84	38	41
1JM77-16-16	25	1	-16	25.4	1-7/16x12	96	41	41
1JM77-20-16	25	1	-16	25.4	1-11/16x12	93	39	46





JM fittings are supplied without O-ring.  
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:





77 787TC 797TC








## DIN – Metric

Page Dg-1 – Dg-2			
<p><b>C9</b> Dg-1</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring Straight ISO 12151-2-SWS-S – DKOS</p>	<p><b>0C</b> Dg-1</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring 45° Elbow ISO 12151-2 – SWE 45°-S – DKOS 45°</p>	<p><b>1C</b> Dg-2</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring 90° Elbow ISO 12151-2-SWE-S – DKOS 90°</p>	<p><b>D2</b> Dg-2</p>  <p>Male Metric 24° – Rigid Heavy Series – Straight ISO 12151-2-S-S – CES</p>

## BSP











Page Dg-3 – Dg-4			
<p><b>92</b> Dg-3</p>  <p>Female BSP Parallel Pipe Swivel – Straight (60° Cone) BS5200-A – DKR</p>	<p><b>B1</b> Dg-3</p>  <p>Female BSP Parallel Pipe Swivel 45° Elbow (60° Cone) BS 5200-D – DKR 45°</p>	<p><b>B2</b> Dg-4</p>  <p>Female BSP Parallel Pipe Swivel 90° Elbow (60° Cone) BS 5200-B – DKR 90°</p>	<p><b>D9</b> Dg-4</p>  <p>Male BSP Parallel Pipe Rigid – Straight (60° Cone) BS5200 – AGR</p>

## SAE






Page Dg-5 – Dg-7			
<p><b>01</b> Dg-5</p>  <p>Male NPTF Pipe Rigid – Straight SAE J476A / J516 – AGN</p>	<p><b>03</b> Dg-5</p>  <p>Male JIC 37° – Rigid Straight ISO12151-5-S – AGJ</p>	<p><b>06</b> Dg-6</p>  <p>Female JIC 37° – Swivel Straight ISO12151-5-SWS – DKJ</p>	<p><b>37</b> Dg-6</p>  <p>Female JIC 37° – Swivel 45° Elbow ISO 12151-5-SWE 45° – DKJ 45°</p>
<p><b>39</b> Dg-7</p>  <p>Female JIC 37° – Swivel 90° Elbow ISO 12151-5-SWES – DKJ 90°</p>			



## Flange

Page Dg-8 – Dg-13			
<p><b>15/4A</b> Dg-8</p>  <p>SAE Code 61 Flange Straight ISO 12151-3-S-L – SFL 5000 psi</p>	<p><b>17/4F</b> Dg-8</p>  <p>SAE Code 61 Flange 45° Elbow ISO 12151-3 – E45S – L – SFL 45° 5000 psi</p>	<p><b>19/4N</b> Dg-9</p>  <p>SAE Code 61 Flange 90° Elbow ISO 12151-3-E-L – SFL 90° 5000 psi</p>	<p><b>6A</b> Dg-9</p>  <p>SAE Code 62 Flange Straight ISO 12151-3-S-S – SFS 6000 psi</p>
<p><b>6F</b> Dg-10</p>  <p>SAE Code 62 Flange 45° Elbow – Heavy Series ISO 12151-3 – E45-S – SFS 45° 6000 psi</p>	<p><b>6N</b> Dg-10</p>  <p>SAE Code 62 Flange 90° Elbow ISO 12151-3 – E-S – SFS 90° 6000 psi</p>	<p><b>XA</b> Dg-11</p>  <p>Caterpillar® Flange Straight</p>	<p><b>XF</b> Dg-11</p>  <p>Caterpillar® Flange 45° Elbow</p>
<p><b>XG</b> Dg-12</p>  <p>Caterpillar® Flange 60° Elbow</p>	<p><b>XN</b> Dg-12</p>  <p>Caterpillar® Flange 90° Elbow</p>		

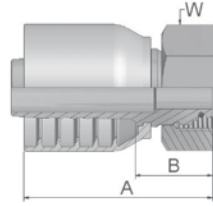
## ORFS

Page Dg-14 – Dg-16			
<p><b>JC</b> Dg-13</p>  <p>Female ORFS Swivel – Straight Short ISO 12151-1 – SWSA SAE J516 – ORFS</p>	<p><b>JS</b> Dg-13</p>  <p>ORFS Swivel Female (Long) ISO 12151-1-SWSB SAE J516 – ORFS</p>	<p><b>J7</b> Dg-14</p>  <p>Female ORFS – Swivel 45° Elbow ISO 12151-1 – SWE 45° SAE J516 – ORFS 45°</p>	<p><b>J9</b> Dg-14</p>  <p>Female ORFS – Swivel 90° Elbow – Short Drop ISO 12151-1 – SWES SAE J516 – ORFS 90°</p>
<p><b>JM</b> Dg-15</p>  <p>ORFS Male ISO 12151-1-S – SAE J516</p>			



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

ISO 12151-2-SWS-S – DKOS

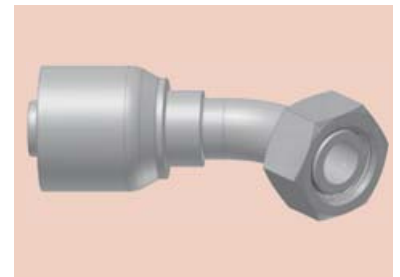
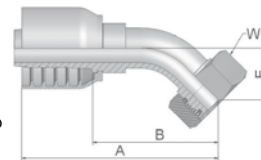


XXXXX-XX-XX Part Number 78	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
1C978-20-12	20	3/4	-12	19.1	M30x2	20	86	35	36
1C978-25-12	20	3/4	-12	19.1	M36x2	25	79	31	46
1C978-30-16	25	1	-16	25.4	M42x2	30	87	36	50
1C978-30-20	32	1-1/4	-20	31.8	M42x2	30	106	42	50
1C978-38-20	32	1-1/4	-20	31.8	M52x2	38	101	37	60
1C978-38-24	40	1-1/2	-24	38.1	M52x2	38	105	42	60

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

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

ISO 12151-2 – SWE 45°-S – DKOS 45°



XXXXX-XX-XX Part Number 78	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
10C78-25-12	20	3/4	-12	19.1	M36x2	25	112	64	29	46
10C78-30-16	25	1	-16	25.4	M42x2	30	131	81	34	50
10C78-38-20	32	1-1/4	-20	31.8	M52x2	38	161	97	37	60
10C78-38-24	40	1-1/2	-24	38.1	M52x2	38	182	120	49	60

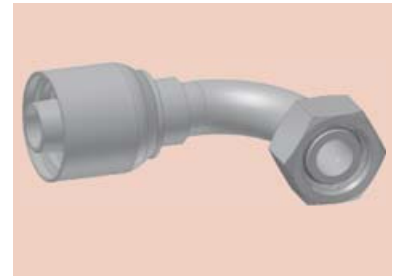
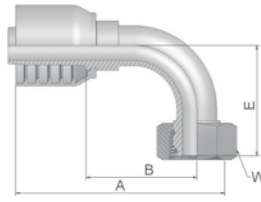
Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:

78 781 782TC

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

ISO 12151-2-SWE-S – DKOS 90°

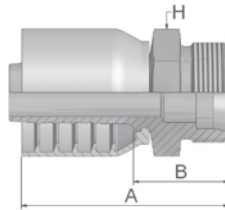


XXXXX-XX-XX Part Number 78	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
11C78-20-12	20	3/4	-12	19.1	M30x2	20	101	53	57	36
11C78-25-12	20	3/4	-12	19.1	M36x2	25	101	53	59	46
11C78-30-16	25	1	-16	25.4	M42x2	30	122	71	73	50
11C78-38-20	32	1-1/4	-20	31.8	M52x2	38	151	87	78	60

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

## D2 Male Metric 24° – Rigid Heavy Series – Straight

ISO 12151-2-S-S – CES



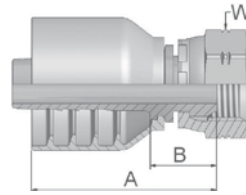
XXXXX-XX-XX Part Number 78	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	H mm
	DN	Inch	Size	mm					
1D278-25-12	20	3/4	-12	19.1	M36x2	25	86	38	36
1D278-30-16	25	1	-16	25.4	M42x2	30	95	42	46
1D278-38-20	32	1-1/4	-20	31.8	M52x2	38	112	46	55

Approved **fitting series** for hose types:

78 781 782TC

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

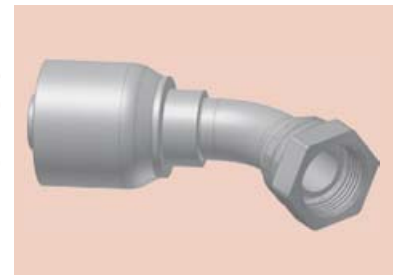
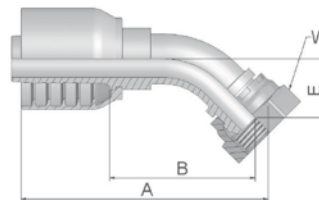
BS5200-A – DKR



XXXXX-XX-XX Part Number 78	Hose I.D.				Thread BSP	A mm	B mm	W mm
	DN	Inch	Size	mm				
19278-12-12	20	3/4	-12	19.1	3/4x14	77	29	32
19278-16-16	25	1	-16	25.4	1x11	89	39	41
19278-20-20	32	1-1/4	-20	31.8	1-1/4x11	101	37	50
19278-24-24	40	1-1/2	-24	38.1	1-1/2x11	100	37	55

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

BS 5200-D – DKR 45°



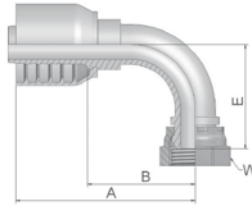
XXXXX-XX-XX Part Number 78	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1B178-12-12	20	3/4	-12	19.1	3/4x14	110	62	26	32
1B178-16-16	25	1	-16	25.4	1x11	134	81	38	41
1B178-20-20	32	1-1/4	-20	31.8	1-1/4x11	168	104	43	50
1B178-24-24	40	1-1/2	-24	38.1	1-1/2x11	186	123	52	55

Approved **fitting series** for hose types:

78 781 782TC

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

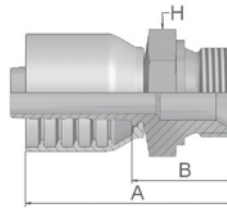
BS 5200-B – DKR 90°



XXXXX-XX-XX Part Number 78	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1B278-12-12	20	3/4	-12	19.1	3/4x14	106	58	55	32
1B278-16-16	25	1	-16	25.4	1x11	121	70	76	41
1B278-20-20	32	1-1/4	-20	31.8	1-1/4x11	151	87	80	50
1B278-24-24	40	1-1/2	-24	38.1	1-1/2x11	166	103	103	55

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

BS5200 – AGR



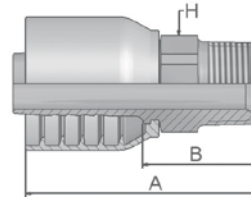
XXXXX-XX-XX Part Number 78	Hose I.D.				Thread BSP	A mm	B mm	H mm
	DN	Inch	Size	mm				
1D978-12-12	20	3/4	-12	19.1	3/4x14	87	39	32
1D978-16-16	25	1	-16	25.4	1x11	96	45	41
1D978-20-20	32	1-1/4	-20	31.8	1-1/4x11	113	49	50
1D978-24-24	40	1-1/2	-24	38.1	1-1/2x11	114	51	55

Approved **fitting series** for hose types:

78 781 782TC

# 01 Male NPTF Pipe Rigid – Straight

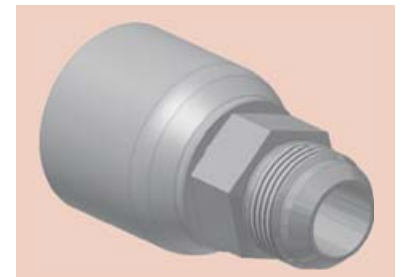
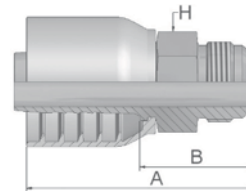
SAE J476A / J516 – AGN



XXXXX-XX-XX Part Number 78	Hose I.D.				Thread NPTF	A mm	B mm	H mm
	DN	Inch	Size	mm				
10178-12-12-SM	20	3/4	-12	19.1	3/4x14	90	42	30
10178-16-16-SM	25	1	-16	25.4	1x11-1/2	100	50	36
10178-20-20-SM	32	1-1/4	-20	31.8	1-1/4x11-1/2	125	61	46
10178-24-24-SM	40	1-1/2	-24	38.1	1-1/2x11-1/2	124	61	50

# 03 Male JIC 37° – Rigid Straight

ISO12151-5-S – AGJ



XXXXX-XX-XX Part Number 78	Hose I.D.				Thread UNF	A mm	B mm	H mm
	DN	Inch	Size	mm				
10378-12-12-SM	20	3/4	-12	19.1	1-1/16x12	89	41	30
10378-16-16-SM	25	1	-16	25.4	1-5/16x12	97	47	36
10378-20-20-SM	32	1-1/4	-20	31.8	1-5/8x12	118	54	46
10378-24-24-SM	40	1-1/2	-24	38.1	1-7/8x12	122	59	50

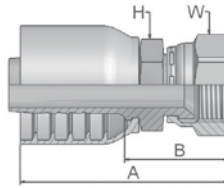
Approved fitting series for hose types:

SM: Metric Hexagon

78 781 782TC

# 06 Female JIC 37° – Swivel Straight

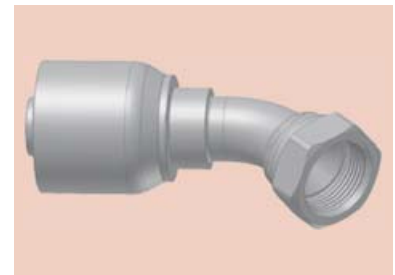
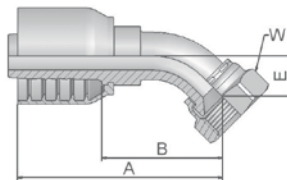
ISO12151-5-SWS – DKJ



XXXXX-XX-XX Part Number 78	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
10678-12-12-SM	20	3/4	-12	19.1	1-1/16x12	93	45	30	32
10678-16-16-SM	25	1	-16	25.4	1-5/16x12	103	52	36	41
10678-16-20-SM	32	1-1/4	-20	31.8	1-5/16x12	116	52	46	41
10678-20-20-SM	32	1-1/4	-20	31.8	1-5/8x12	125	61	46	55
10678-24-24-SM	40	1-1/2	-24	38.1	1-7/8x12	128	66	50	60

# 37 Female JIC 37° – Swivel 45° Elbow

ISO 12151-5-SWE 45° – DKJ 45°



XXXXX-XX-XX Part Number 78	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
13778-12-12-SM	20	3/4	-12	19.1	1-1/16x12	104	56	22	32
13778-16-16-SM	25	1	-16	25.4	1-5/16x12	119	69	24	41
13778-20-20-SM	32	1-1/4	-20	31.8	1-5/8x12	172	108	47	55
13778-24-24-SM	40	1-1/2	-24	38.1	1-7/8x12	194	132	58	60

Approved fitting series for hose types:

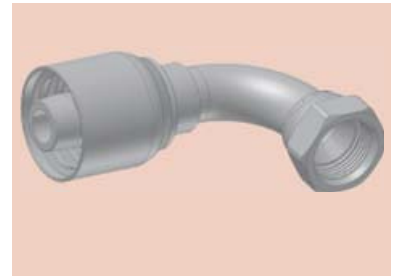
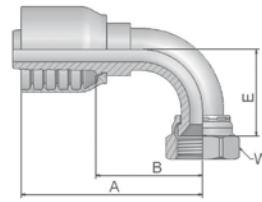
SM: Metric Hexagon

78 781 782TC



# 39 Female JIC 37° – Swivel 90° Elbow

ISO 12151-5-SWES – DKJ 90°



XXXXX-XX-XX Part Number 78	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
13978-12-12-SM	20	3/4	-12	19.1	1-1/16x12	101	53	48	32
13978-16-16-SM	25	1	-16	25.4	1-5/16x12	118	67	56	41
13978-20-20-SM	32	1-1/4	-20	31.8	1-5/8x12	151	87	85	55
13978-24-24-SM	40	1-1/2	-24	38.1	1-7/8x12	194	119	102	60

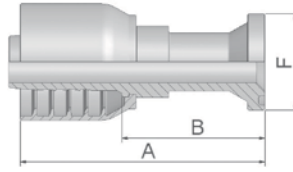
Approved **fitting series** for hose types:

SM: Metric Hexagon

78 781 782TC

## 15/4A SAE Code 61 Flange Straight

ISO 12151-3-S-L – SFL  
5000 psi



XXXXX-XX-XX Part Number 78	Hose I.D.				Flange	A mm	B mm	F mm
	DN	Inch	Size	mm				
11578-12-12	20	3/4	-12	19.1	3/4	110	62	38
11578-16-16	25	1	-16	25.4	1	117	66	45
14A78-20-16	25	1	-16	25.4	1-1/4	85	34	51
11578-16-20	32	1-1/4	-20	31.8	1	133	69	45
14A78-20-20	32	1-1/4	-20	31.8	1-1/4	141	77	51
14A78-24-20	32	1-1/4	-20	31.8	1-1/2	104	39	60
14A78-24-24	40	1-1/2	-24	38.1	1-1/2	166	103	60

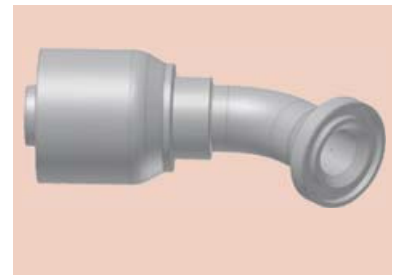
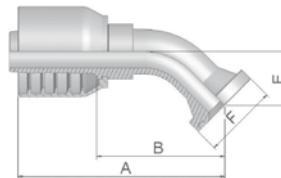
Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

Find O-rings in section E. Special O-rings are available on request.

## 17/4F SAE Code 61 Flange 45° Elbow

ISO 12151-3 – E45S – L – SFL 45°  
5000 psi



XXXXX-XX-XX Part Number 78	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
11778-12-12	20	3/4	-12	19.1	3/4	119	71	27	38
11778-16-16	25	1	-16	25.4	1	127	77	32	45
14F78-20-16	25	1	-16	25.4	1-1/4	136	85	32	51
14F78-20-20	32	1-1/4	-20	31.8	1-1/4	160	96	35	51
14F78-24-20	32	1-1/4	-20	31.8	1-1/2	162	102	38	60
14F78-24-24	40	1-1/2	-24	38.1	1-1/2	178	115	44	60
14F78-32-24	40	1-1/2	-24	38.1	2	177	114	43	71

Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

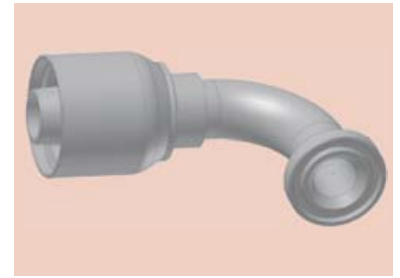
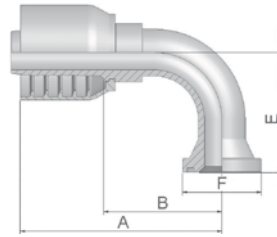
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:

78 781 782TC

# 19/4N SAE Code 61 Flange 90° Elbow

ISO 12151-3-E-L – SFL 90°  
5000 psi



XXXXX-XX-XX Part Number 78	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
11978-12-12	20	3/4	-12	19.1	3/4	109	61	58	38
11978-16-12	20	3/4	-12	19.1	1	102	54	58	45
11978-16-16	25	1	-16	25.4	1	118	67	70	45
14N78-20-16	25	1	-16	25.4	1-1/4	128	78	70	51
14N78-20-20	32	1-1/4	-20	31.8	1-1/4	155	91	90	51
14N78-24-20	32	1-1/4	-20	31.8	1-1/2	155	91	90	60
14N78-24-24	40	1-1/2	-24	38.1	1-1/2	166	103	93	60

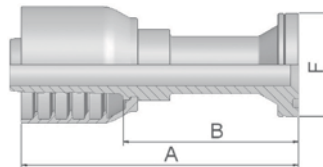
Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

Find O-rings in section E. Special O-rings are available on request.

# 6A SAE Code 62 Flange Straight

ISO 12151-3-S-S – SFS  
6000 psi



XXXXX-XX-XX Part Number 78	Hose I.D.				Flange	A mm	B mm	F mm
	DN	Inch	Size	mm				
16A78-12-12	20	3/4	-12	19.1	3/4	130	82	41
16A78-16-12	20	3/4	-12	19.1	1	135	87	48
16A78-16-16	25	1	-16	25.4	1	131	81	48
16A78-20-16	25	1	-16	25.4	1-1/4	100	50	54
16A78-16-20	32	1-1/4	-20	31.8	1	149	85	48
16A78-20-20	32	1-1/4	-20	31.8	1-1/4	149	85	54
16A78-24-20	32	1-1/4	-20	31.8	1-1/2	121	57	64
16A78-20-24	40	1-1/2	-24	38.1	1-1/4	158	96	54
16A78-24-24	40	1-1/2	-24	38.1	1-1/2	166	104	64
16A78-32-24	40	1-1/2	-24	38.1	2	129	66	79

Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

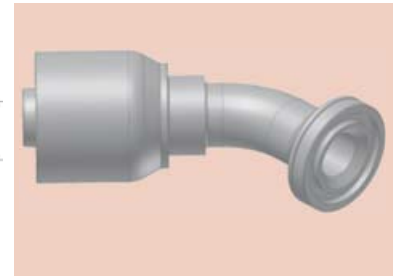
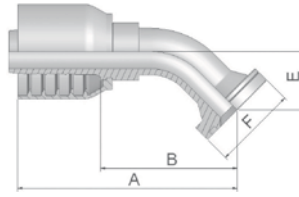
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:

78 781 782TC

## 6F SAE Code 62 Flange 45° Elbow – Heavy Series

ISO 12151-3 – E45-S – SFS 45°  
6000 psi



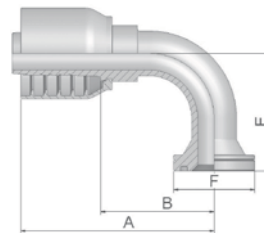
XXXXX-XX-XX Part Number 78	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
16F78-12-12	20	3/4	-12	19.1	3/4	109	61	26	41
16F78-16-12	20	3/4	-12	19.1	1	110	62	26	48
16F78-16-16	25	1	-16	25.4	1	129	79	32	48
16F78-20-16	25	1	-16	25.4	1-1/4	129	79	32	54
16F78-16-20	32	1-1/4	-20	31.8	1	157	93	33	48
16F78-20-20	32	1-1/4	-20	31.8	1-1/4	163	98	38	54
16F78-24-20	32	1-1/4	-20	31.8	1-1/2	163	99	38	63
16F78-24-20	32	1-1/4	-20	31.8	1-1/2	162	98	38	54
16F78-24-24	40	1-1/2	-24	38.1	1-1/2	178	115	44	64

Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

## 6N SAE Code 62 Flange 90° Elbow

ISO 12151-3 – E-S – SFS 90°  
6000 psi



XXXXX-XX-XX Part Number 78	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
16N78-12-12	20	3/4	-12	19.1	3/4	101	53	58	41
16N78-16-12	20	3/4	-12	19.1	1	111	63	58	48
16N78-12-16	25	1	-16	25.4	3/4	108	57	70	41
16N78-16-16	25	1	-16	25.4	1	122	71	70	48
16N78-20-16	25	1	-16	25.4	1-1/4	122	71	70	54
16N78-16-20	32	1-1/4	-20	31.8	1	137	73	90	48
16N78-20-20	32	1-1/4	-20	31.8	1-1/4	172	108	71	54
16N78-24-20	32	1-1/4	-20	31.8	1-1/2	172	108	76	64
16N78-20-24	40	1-1/2	-24	38.1	1-1/4	170	113	76	54
16N78-24-24	40	1-1/2	-24	38.1	1-1/2	166	103	104	64
16N78-32-24	40	1-1/2	-24	38.1	2	166	103	104	79

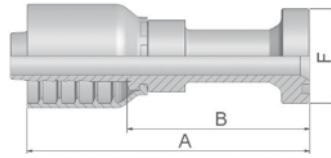
Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:

78 781 782TC

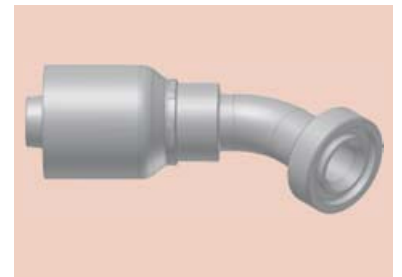
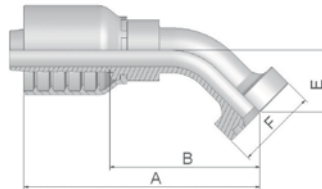
## XA Caterpillar® Flange Straight



XXXXX-XX-XX Part Number 78	Hose I.D.				Flange	A mm	B mm	F mm
	DN	Inch	Size	mm				
1XA78-12-12	20	3/4	-12	19.1	3/4	123	75	41
1XA78-16-12	20	3/4	-12	19.1	1	86	38	48
1XA78-16-16	25	1	-16	25.4	1	138	88	48
1XA78-20-16	25	1	-16	25.4	1-1/4	91	40	54
1XA78-20-20	32	1-1/4	-20	31.8	1-1/4	155	96	54
1XA78-24-20	32	1-1/4	-20	31.8	1-1/2	162	97	64
1XA78-24-24	40	1-1/2	-24	38.1	1-1/2	172	110	64

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

## XF Caterpillar® Flange 45° Elbow



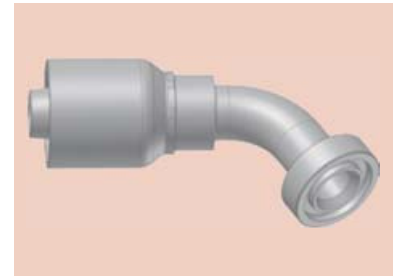
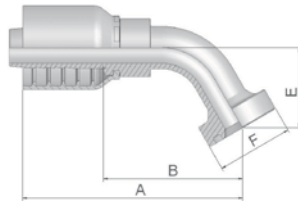
XXXXX-XX-XX Part Number 78	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
1XF78-12-12	20	3/4	-12	19.1	3/4	123	75	31	41
1XF78-16-12	20	3/4	-12	19.1	1	122	74	31	48
1XF78-16-16	25	1	-16	25.4	1	139	88	36	48
1XF78-20-16	25	1	-16	25.4	1-1/4	132	81	35	54
1XF78-20-20	32	1-1/4	-20	31.8	1-1/4	162	98	37	54
1XF78-24-20	32	1-1/4	-20	31.8	1-1/2	182	117	36	64
1XF78-24-24	40	1-1/2	-24	38.1	1-1/2	173	110	39	64

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:

78 781 782TC

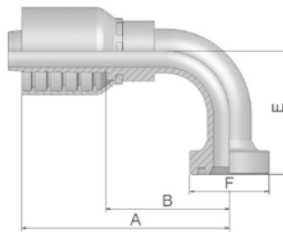
**XG** Caterpillar® Flange  
60° Elbow



XXXXX-XX-XX Part Number 78	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
1XG78-12-12	20	3/4	-12	19.1	3/4	138	90	42	41
1XG78-16-16	25	1	-16	25.4	1	160	109	50	48
1XG78-20-16	25	1	-16	25.4	1-1/4	153	103	48	54
1XG78-20-20	32	1-1/4	-20	31.8	1-1/4	201	137	55	54
1XG78-24-24	40	1-1/2	-24	38.1	1-1/2	212	149	52	64

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

**XN** Caterpillar® Flange  
90° Elbow



XXXXX-XX-XX Part Number 78	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
1XN78-12-12	20	3/4	-12	19.1	3/4	111	63	63	41
1XN78-16-12	20	3/4	-12	19.1	1	111	63	62	48
1XN78-16-16	25	1	-16	25.4	1	128	78	74	48
1XN78-20-16	25	1	-16	25.4	1-1/4	122	71	74	54
1XN78-20-20	32	1-1/4	-20	31.8	1-1/4	172	108	77	54
1XN78-24-20	32	1-1/4	-20	31.8	1-1/2	172	107	77	64
1XN78-24-24	40	1-1/2	-24	38.1	1-1/2	166	103	106	64

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

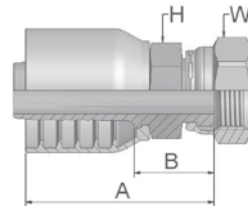
Approved **fitting series** for hose types:

78 781 782TC

# JC

## Female ORFS Swivel – Straight Short

ISO 12151-1 – SWSA  
SAE J516 – ORFS

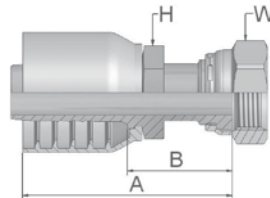


XXXXX-XX-XX Part Number 78	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
1JC78-12-12-SM	20	3/4	-12	19.1	1-3/16x12	81	33	30	36
1JC78-20-20-SM	32	1-1/4	-20	31.8	1-11/16x12	106	42	46	50

# JS

## ORFS Swivel Female (Long)

ISO 12151-1-SWSB  
SAE J516 – ORFS



XXXXX-XX-XX Part Number 78	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
1JS78-12-12-SM	20	3/4	-12	19.1	1-3/16x12	98	50	30	36
1JS78-16-16-SM	25	1	-16	25.4	1-7/16x12	103	52	36	41
1JS78-20-16-SM	25	1	-16	25.4	1-11/16x12	114	64	41	50
1JS78-20-20-SM	32	1-1/4	-20	31.8	1-11/16x12	118	54	46	50
1JS78-24-24-SM	40	1-1/2	-24	38.1	2x12	120	57	50	60

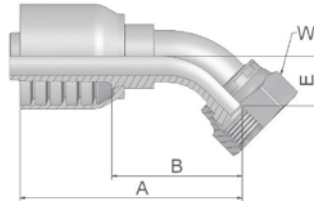
Approved fitting series for hose types:

SM: Metric Hexagon

78 781 782TC

## J7 Female ORFS – Swivel 45° Elbow

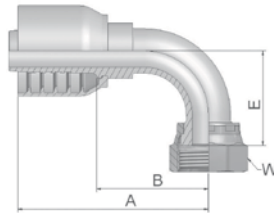
ISO 12151-1 – SWE 45°  
SAE J516 – ORFS 45°



XXXXX-XX-XX Part Number 78	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1J778-12-12-SM	20	3/4	-12	19.1	1-3/16x12	105	57	21	36
1J778-16-16-SM	25	1	-16	25.4	1-7/16x12	119	69	24	41
1J778-20-16-SM	25	1	-16	25.4	1-11/16x12	131	80	26	50

## J9 Female ORFS – Swivel 90° Elbow – Short Drop

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



XXXXX-XX-XX Part Number 78	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
1J978-12-12-SM	20	3/4	-12	19.1	1-3/16x12	101	53	48	36
1J978-16-12-SM	20	3/4	-12	19.1	1-7/16x12	114	66	56	41
1J978-16-16-SM	25	1	-16	25.4	1-7/16x12	120	70	56	41
1J978-20-16-SM	25	1	-16	25.4	1-11/16x12	127	77	64	50
1J978-20-20-SM	32	1-1/4	-20	31.8	1-11/16-12	151	87	69	50

Approved **fitting series** for hose types:

SM: Metric Hexagon

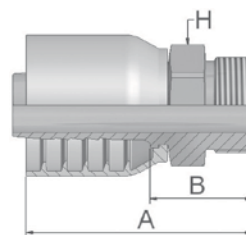
78 781 782TC



**JM**

**ORFS Male**

ISO 12151-1-S – SAE J516



XXXXX-XX-XX Part Number 78	Hose I.D.				Thread UNF	A mm	B mm	H mm
	DN	Inch	Size	mm				
1JM78-16-16-SM	25	1	-16	25.4	1-7/16x12	93	42	41
1JM78-20-16-SM	25	1	-16	25.4	1-11/16x12	89	39	46
1JM78-24-20-SM	32	1-1/4	-20	31.8	2x12	108	44	55

JM fittings are supplied without O-ring.  
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:




SM: Metric Hexagon

78 781 782TC



## DIN – Metric

Page Dh-1 – Dh-2		
<p><b>C9</b> Dh-1</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring Straight ISO 12151-2-SWS-S – DKOS</p>	<p><b>0C</b> Dh-1</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring 45° Elbow ISO 12151-2 – SWE 45°-S – DKOS 45°</p>	<p><b>1C</b> Dh-2</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring 90° Elbow ISO 12151-2-SWE-S – DKOS 90°</p>

## Flange

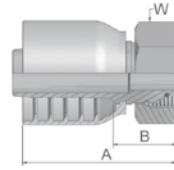
Page Dh-3 – Dh-4		
<p><b>6A</b> Dh-3</p>  <p>SAE Code 62 Flange Straight ISO 12151-3-S-S – SFS 6000 psi</p>	<p><b>6F</b> Dh-3</p>  <p>SAE Code 62 Flange 45° Elbow – Heavy Series ISO 12151-3 – E45-S – SFS 45° 6000 psi</p>	<p><b>6N</b> Dh-4</p>  <p>SAE Code 62 Flange 90° Elbow ISO 12151-3 – E-S – SFS 90° 6000 psi</p>

## ORFS

Page Dh-5 – Dh-6		
<p><b>JS</b> Dh-5</p>  <p>ORFS Swivel Female (Long) ISO 12151-1-SWSB SAE J516 – ORFS</p>	<p><b>J7</b> Dh-5</p>  <p>Female ORFS – Swivel 45° Elbow ISO 12151-1 – SWE 45° SAE J516 – ORFS 45°</p>	<p><b>J9</b> Dh-6</p>  <p>Female ORFS – Swivel 90° Elbow – Short Drop ISO 12151-1 – SWES SAE J516 – ORFS 90°</p>

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

ISO 12151-2-SWS-S – DKOS



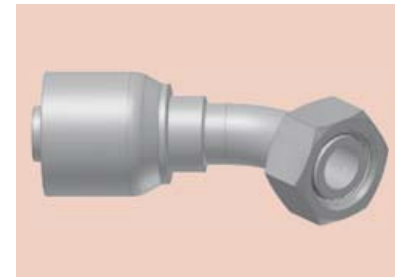
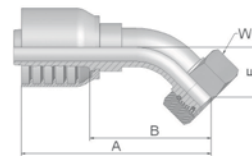
XXXXX-XX-XX Part Number 79	Hose I.D.				Thread metric	A mm	B mm	W mm
	DN	Inch	Size	mm				
1C979-25-12	20	3/4	-12	19.1	M36x2	87	32	46
1C979-30-16	25	1	-16	25.4	M42x2	95	36	50

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

Attention: Hose assembly pressure is reduced; see page Ab-8

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

ISO 12151-2 – SWE 45°-S – DKOS 45°



XXXXX-XX-XX Part Number 79	Hose I.D.				Thread metric	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
10C79-25-12	20	3/4	-12	19.1	M36x2	120	64	29	46
10C79-30-16	25	1	-16	25.4	M42x2	140	81	34	50

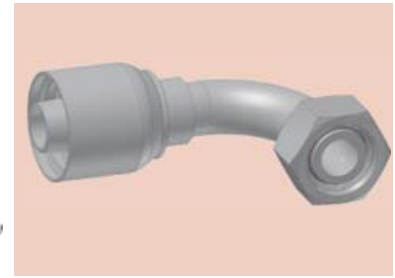
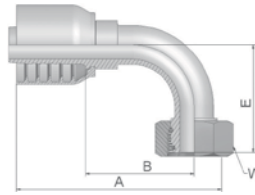
Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:

79 791TC 792TC F42

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

ISO 12151-2-SWE-S – DKOS 90°



XXXXX-XX-XX Part Number 79	Hose I.D.				Thread metric	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
11C79-25-12	20	3/4	-12	19.1	M36x2	109	53	59	46
11C79-30-16	25	1	-16	25.4	M42x2	130	72	73	50

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

Find O-rings in section E. Special O-rings are available on request.

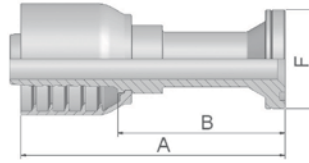
Attention: Hose assembly pressure is reduced; see page Ab-8

Approved **fitting series** for hose types:

79 791TC 792TC F42

## 6A SAE Code 62 Flange Straight

ISO 12151-3-S-S – SFS  
6000 psi



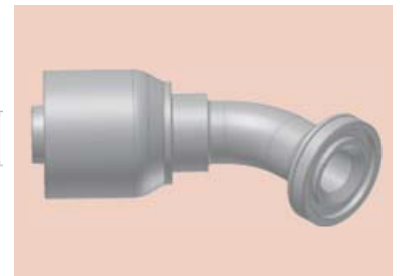
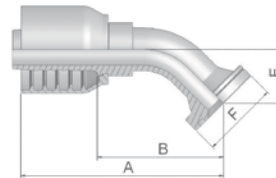
XXXXX-XX-XX Part Number 79	Hose I.D.				Flange	A mm	B mm	F mm
	DN	Inch	Size	mm				
16A79-12-12	20	3/4	-12	19.1	3/4	124	72	41
16A79-16-12	20	3/4	-12	19.1	1	99	43	48
16A79-12-16	25	1	-16	25.4	3/4	132	73	41
16A79-16-16	25	1	-16	25.4	1	139	81	48
16A79-20-16	25	1	-16	25.4	1-1/4	109	50	54
16A79-16-20	32	1-1/4	-20	31.8	1	152	81	48
16A79-20-20	32	1-1/4	-20	31.8	1-1/4	158	87	54
16A79-24-20	32	1-1/4	-20	31.8	1-1/2	132	61	64

Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Special O-rings are available on request.

## 6F SAE Code 62 Flange 45° Elbow – Heavy Series

ISO 12151-3 – E45-S – SFS 45°  
6000 psi



XXXXX-XX-XX Part Number 79	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
16F79-12-12	20	3/4	-12	19.1	3/4	117	65	26	41
16F79-12-16	25	1	-16	25.4	3/4	128	70	32	41
16F79-16-16	25	1	-16	25.4	1	137	79	32	48
16F79-20-16	25	1	-16	25.4	1-1/4	137	79	32	54
16F79-16-20	32	1-1/4	-20	31.8	1	161	89	38	48
16F79-20-20	32	1-1/4	-20	31.8	1-1/4	172	104	38	54
16F79-24-20	32	1-1/4	-20	31.8	1-1/2	172	101	38	64

Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Special O-rings are available on request.

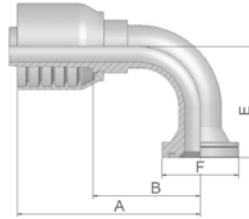
Approved **fitting series** for hose types:

79 791TC 792TC F42

# 6N

## SAE Code 62 Flange 90° Elbow

ISO 12151-3 – E-S – SFS 90°  
6000 psi



XXXXX-XX-XX Part Number 79	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
16N79-12-12	20	3/4	-12	19.1	3/4	109	53	58	41
16N79-16-12	20	3/4	-12	19.1	1	109	53	58	48
16N79-12-16	25	1	-16	25.4	3/4	116	57	70	41
16N79-16-16	25	1	-16	25.4	1	130	72	70	48
16N79-20-16	25	1	-16	25.4	1-1/4	126	71	70	54
16N79-16-20	32	1-1/4	-20	31.8	1	148	76	90	48
16N79-20-20	32	1-1/4	-20	31.8	1-1/4	161	89	90	54
16N79-24-20	32	1-1/4	-20	31.8	1-1/2	160	89	90	64
16N79-24-24	40	1-1/2	-24	38.1	1-1/2	190	113	104	64

Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

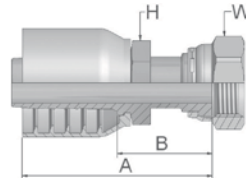
Special O-rings are available on request.

Approved **fitting series** for hose types:

79 791TC 792TC F42

## JS ORFS Swivel Female (Long)

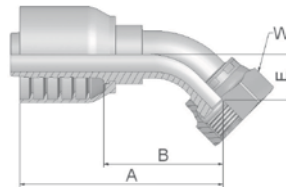
ISO 12151-1-SWSB  
SAE J516 – ORFS



XXXXX-XX-XX Part Number 79	Hose I.D.				Thread UNF	A mm	B mm	H mm Inch	W mm Inch
	DN	Inch	Size	mm					
1JS79-12-12	20	3/4	-12	19.1	1-3/16x12	101	49	1-1/8	1-3/8
1JS79-16-16-SM	25	1	-16	25.4	1-7/16x12	113	55	36	41
1JS79-20-16-SM	25	1	-16	25.4	1-11/16x12	109	51	41	50
1JS79-20-20	32	1-1/4	-20	31.8	1-11/16x12	127	59	1-3/4	1-7/8

## J7 Female ORFS – Swivel 45° Elbow

ISO 12151-1 – SWE 45°  
SAE J516 – ORFS 45°



XXXXX-XX-XX Part Number 79	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm Inch
	DN	Inch	Size	mm					
1J779-12-12-SM	20	3/4	-12	19.1	1-3/16x12	113	57	21	36
1J779-16-16-SM	25	1	-16	25.4	1-7/16x12	135	76	24	41
1J779-20-20	32	1-1/4	-20	31.8	1-11/16x12	156	89	25	1-7/8

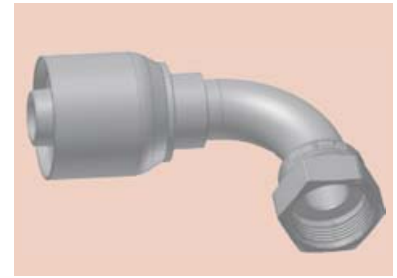
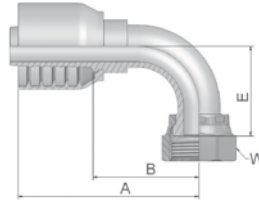
Approved **fitting series** for hose types:

SM: Metric Hexagon

79 791TC 792TC F42

# J9 Female ORFS – Swivel 90° Elbow – Short Drop

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



XXXXX-XX-XX Part Number 79	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm Inch
	DN	Inch	Size	mm					
1J979-12-12-SM	20	3/4	-12	19.1	1-3/16x12	109	53	48	36
1J979-16-16	25	1	-16	25.4	1-7/16x12	126	71	56	1-5/8
1J979-20-20-SM	32	1-1/4	-20	31.8	1-11/16x12	160	89	69	50

Approved **fitting series** for hose types:



SM: Metric Hexagon

79 791TC 792TC F42











## SAE

Page Di-1	
<p><b>01</b> Di-1</p>  <p>Male NPTF Pipe Rigid – Straight SAE J476A / J516 – AGN</p>	<p><b>06</b> Di-1</p>  <p>Female JIC 37° – Swivel Straight ISO12151-5-SWS – DKJ</p>

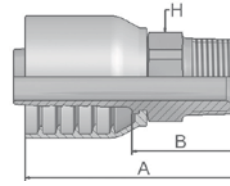
## Flange

Page Di-2 – Di-3			
<p><b>4A</b> Di-2</p>  <p>SAE Code 61 Flange Straight ISO 12151-3-S-L – SFL 5000 psi</p>	<p><b>4F</b> Di-2</p>  <p>SAE Code 61 Flange 45° Elbow ISO 12151-3 – E45S – L – SFL 45° 5000 psi</p>	<p><b>4N</b> Di-2</p>  <p>SAE Code 61 Flange 90° Elbow ISO 12151-3-E-L – SFL 90° 5000 psi</p>	<p><b>6A</b> Di-3</p>  <p>SAE Code 62 Flange Straight ISO 12151-3-S-S – SFS 6000 psi</p>
<p><b>6F</b> Di-3</p>  <p>SAE Code 62 Flange 45° Elbow – Heavy Series ISO 12151-3 – E45-S – SFS 45° 6000 psi</p>	<p><b>6N</b> Di-3</p>  <p>SAE Code 62 Flange 90° Elbow ISO 12151-3 – E-S – SFS 90° 6000 psi</p>		

# 01

## Male NPTF Pipe Rigid – Straight

SAE J476A / J516 – AGN

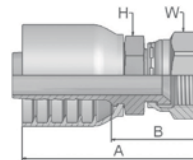


XXXXX-XX-XX Part Number S6	Hose I.D.				Thread NPTF	A mm	B mm	H mm
	DN	Inch	Size	mm				
101S6-32-32	50	2	-32	50.8	2x11-1/2	150	62	2-1/2

# 06

## Female JIC 37° – Swivel Straight

ISO12151-5-SWS – DKJ



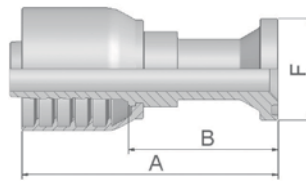
XXXXX-XX-XX Part Number S6	Hose I.D.				Thread UNF	A mm	B mm	H mm Inch	W mm Inch
	DN	Inch	Size	mm					
106S6-32-32	50	2	-32	50.8	2-1/2x12	166	78	2/1/2	2-7/8

Approved **fitting series** for hose types:

**S6** P35

## 4A SAE Code 61 Flange Straight

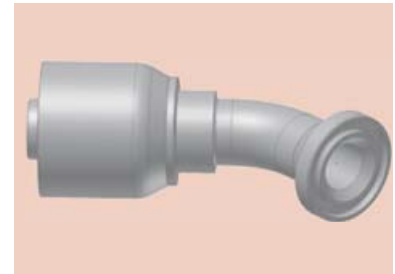
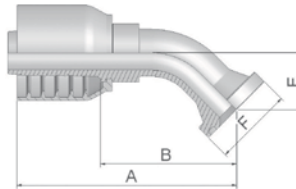
ISO 12151-3-S-L – SFL  
5000 psi



XXXXX-XX-XX Part Number S6	Hose I.D.				Flange	A mm	B mm	F mm
	DN	Inch	Size	mm				
14AS6-32-32	50	2	-32	50.8	2	171	83	71

## 4F SAE Code 61 Flange 45° Elbow

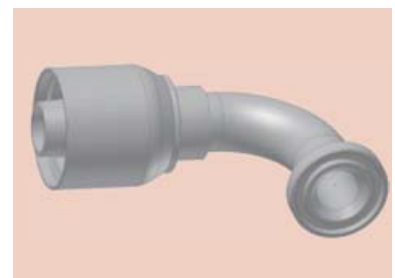
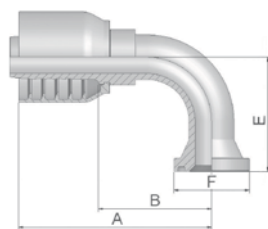
ISO 12151-3 – E45S – L – SFL 45°  
5000 psi



XXXXX-XX-XX Part Number S6	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
14FS6-32-32	50	2	-32	50.8	2	229	141	56	71

## 4N SAE Code 61 Flange 90° Elbow

ISO 12151-3-E-L – SFL 90°  
5000 psi



XXXXX-XX-XX Part Number S6	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
14NS6-32-32	50	2	-32	50.8	2	214	126	138	71

Find SAE flange halves in section Eb.

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

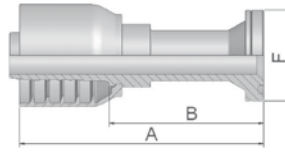
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:

S6 P35

## 6A SAE Code 62 Flange Straight

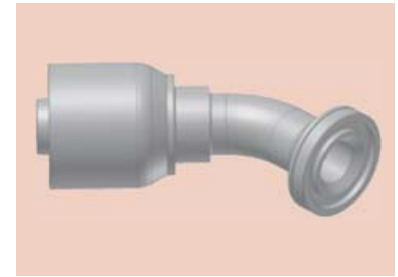
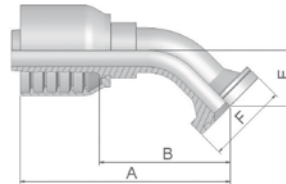
ISO 12151-3-S-S – SFS  
6000 psi



XXXXX-XX-XX Part Number S6	Hose I.D.				Flange	A mm	B mm	F mm
	DN	Inch	Size	mm				
16AS6-32-32	50	2	-32	50.8	2	209	121	79

## 6F SAE Code 62 Flange 45° Elbow – Heavy Series

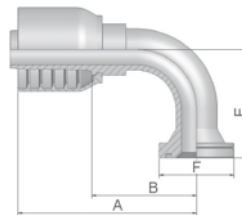
ISO 12151-3 – E45-S – SFS 45°  
6000 psi



XXXXX-XX-XX Part Number S6	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
16FS6-32-32	50	2	-32	50.8	2	229	141	56	79

## 6N SAE Code 62 Flange 90° Elbow

ISO 12151-3 – E-S – SFS 90°  
6000 psi



XXXXX-XX-XX Part Number S6	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
16NS6-32-32	50	2	-32	50.8	2	214	126	138	79

Find SAE flange halves in section Eb.



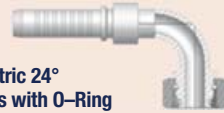




Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.

Find O-rings in section E. Special O-rings are available on request.





Approved **fitting series** for hose types:

**S6** P35






## DIN – Metric

Page Dj-2 – Dj-5			
<p><b>CA</b> Dj-2</p>  <p>Female Metric 24° Light Series with O-Ring Swivel – Straight ISO 12151-2-SWS-L – DKOL</p>	<p><b>CE</b> Dj-2</p>  <p>Female Metric 24° Light Series with O-Ring Swivel – 45° Elbow ISO 12151-2-SWE 45°-L – DKOL 45°</p>	<p><b>CF</b> Dj-3</p>  <p>Female Metric 24° Light Series with O-Ring Swivel – 90° Elbow ISO 12151-2-SWE-L – DKOL 90°</p>	<p><b>C9</b> Dj-3</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring Straight ISO 12151-2-SWS-S – DKOS</p>
<p><b>OC</b> Dj-4</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring 45° Elbow ISO 12151-2 – SWE 45°-S – DKOS 45°</p>	<p><b>1C</b> Dj-4</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring 90° Elbow ISO 12151-2-SWE-S – DKOS 90°</p>	<p><b>D2</b> Dj-5</p>  <p>Male Metric 24° – Rigid Heavy Series – Straight ISO 12151-2-S-S – CES</p>	






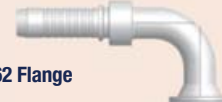
## BSP

Page Dj-6 – Dj-7			
<p><b>92</b> Dj-6</p>  <p>Female BSP Parallel Pipe Swivel – Straight (60° Cone) BS5200-A – DKR</p>	<p><b>B1</b> Dj-6</p>  <p>Female BSP Parallel Pipe Swivel 45° Elbow (60° Cone) BS 5200-D – DKR 45°</p>	<p><b>B2</b> Dj-7</p>  <p>Female BSP Parallel Pipe Swivel 90° Elbow (60° Cone) BS 5200-B – DKR 90°</p>	<p><b>D9</b> Dj-7</p>  <p>Male BSP Parallel Pipe Rigid – Straight (60° Cone) BS5200 – AGR</p>




## SAE

Page Dj-8 – Dj-10			
<p><b>01</b> Dj-8</p>  <p>Male NPTF Pipe Rigid – Straight SAE J476A / J516 – AGN</p>	<p><b>03</b> Dj-8</p>  <p>Male JIC 37° – Rigid Straight ISO12151-5-S – AGJ</p>	<p><b>06/68</b> Dj-9</p>  <p>Female – JIC 37° SAE 45° Dual Flare Swivel – Straight ISO12151-5-SWS – DKJ</p>	<p><b>37/3V</b> Dj-9</p>  <p>Female JIC 37° SAE 45° – Dual Flare Swivel Female 45° Elbow ISO 12151-5-SWE 45° – DKJ 45°</p>
<p><b>39/3W</b> Dj-10</p>  <p>Female JIC 37° SAE 45° – Dual Flare Swivel Female 90° Elbow ISO 12151-5-SWES – DKJ 90°</p>			



## Flange

Page Dj-11 – Dj-13			
<p><b>15</b> Dj-11</p>  <p>SAE Code 61 – Flange Head Straight ISO 12151-3-S-L – SFL 3000 psi</p>	<p><b>17</b> Dj-11</p>  <p>SAE Code 61 – Flange Head 45° Elbow ISO 12151-3 – E45 – L – SFL 45° 3000 psi</p>	<p><b>19</b> Dj-12</p>  <p>SAE Code 61 – Flange Head 90° Elbow ISO 12151-3 – E – L – SFL 90° 3000 psi</p>	<p><b>6A</b> Dj-12</p>  <p>SAE Code 62 Flange Straight ISO 12151-3-S-S – SFS 6000 psi</p>
<p><b>6F</b> Dj-13</p>  <p>SAE Code 62 Flange 45° Elbow – Heavy Series ISO 12151-3 – E45-S – SFS 45° 6000 psi</p>	<p><b>6N</b> Dj-13</p>  <p>SAE Code 62 Flange 90° Elbow ISO 12151-3 – E-S – SFS 90° 6000 psi</p>		

## ORFS

Page Dj-14 – Dj-15		
<p><b>JC</b> Dj-14</p>  <p>Female ORFS Swivel – Straight Short ISO 12151-1 – SWSA SAE J516 – ORFS</p>	<p><b>J7</b> Dj-14</p>  <p>Female ORFS – Swivel 45° Elbow ISO 12151-1 – SWE 45° SAE J516 – ORFS 45°</p>	<p><b>J9</b> Dj-15</p>  <p>Female ORFS – Swivel 90° Elbow – Short Drop ISO 12151-1 – SWES SAE J516 – ORFS 90°</p>

## French Standard

Page Dj-16	
<p><b>FG</b> Dj-16</p>  <p>Male French Gas Series Rigid – Straight (24° Cone)</p>	<p><b>F4</b> Dj-16</p>  <p>Female French Gas Series Swivel – Straight (Ball Nose)</p>






**VS**

**Interlock  
Outside Skive**



**Only for use with  
adjustable crimpers.**

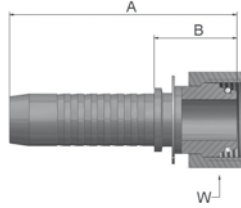
XXXXX-XX-XX Part Number	 Hose I.D.				B mm
	DN	Inch	Size	mm	
100VS-4	6	1/4	-4	6.3	38
100VS-6	10	3/8	-6	9.5	36
100VS-8	12	1/2	-8	12.7	41

Approved **fitting series** for hose types:

**VS** | -4 up to -8 H31 H31TC H31ST |

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

ISO 12151-2-SWS-L – DKOL

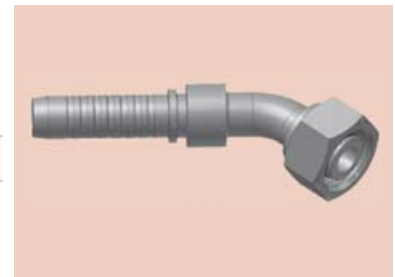
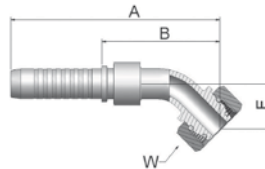


XXXXX-XX-XX Part Number VS	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
KCAVS-10-6	10	3/8	-6	9.5	M16x1.5	10	64	25	19
KCAVS-12-6	10	3/8	-6	9.5	M18x1.5	12	61	23	22
KCAVS-15-8	12	1/2	-8	12.7	M22x1.5	15	70	27	27

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

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

ISO 12151-2-SWE 45°-L – DKOL 45°



XXXXX-XX-XX Part Number VS	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
KCEVS-12-6	10	3/8	-6	9.5	M18x1.5	12	93	55	19	22
KCEVS-15-8	12	1/2	-8	12.7	M22x1.5	15	103	61	23	27

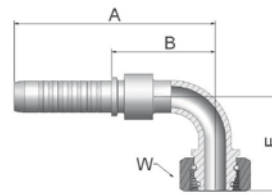
Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:

VS | -4 up to -8 | H31 | H31TC | H31ST |

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

ISO 12151-2-SWE-L – DKOL 90°

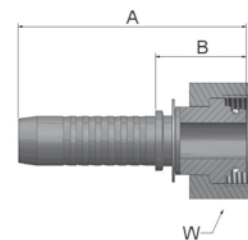


XXXXX-XX-XX Part Number VS	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
KCFVS-10-6	10	3/8	-6	9.5	M16x1.5	10	82	44	37	19
KCFVS-12-6	10	3/8	-6	9.5	M18x1.5	12	83	45	36	22
KCFVS-15-8	12	1/2	-8	12.7	M22x1.5	15	92	50	44	27

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

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

ISO 12151-2-SWS-S – DKOS



XXXXX-XX-XX Part Number VS	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
KC9VS-8-4	6	1/4	-4	6.3	M16x1.5	8	61	23	19
KC9VS-10-4	6	1/4	-4	6.3	M18x1.5	10	62	24	22
KC9VS-8-6	10	3/8	-6	9.5	M16x1.5	8	64	25	19
KC9VS-12-6	10	3/8	-6	9.5	M20x1.5	12	63	25	24
KC9VS-14-6	10	3/8	-6	9.5	M22x1.5	14	63	24	27
KC9VS-12-8	12	1/2	-8	12.7	M20x1.5	12	70	28	24
KC9VS-16-8	12	1/2	-8	12.7	M24x1.5	16	71	29	30
KC9VS-20-8	12	1/2	-8	12.7	M30x2	20	71	29	36

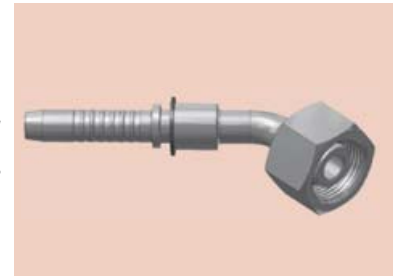
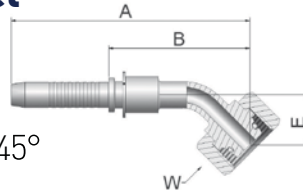
Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:

VS | -4 up to -8 H31 H31TC H31ST |

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

ISO 12151-2 – SWE 45°-S – DKOS 45°

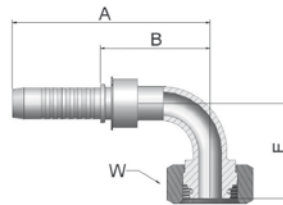


XXXXX-XX-XX Part Number VS	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
K0CVS-8-4	6	1/4	-4	6.3	M16x1.5	8	88	50	16	19
K0CVS-10-4	6	1/4	-4	6.3	M18x1.5	10	88	50	16	22
K0CVS-12-6	10	3/8	-6	9.5	M20x1.5	12	94	56	20	24
K0CVS-14-6	10	3/8	-6	9.5	M22x1.5	14	94	56	20	27
K0CVS-16-8	12	1/2	-8	12.7	M24x1.5	16	105	62	24	30
K0CVS-20-8	12	1/2	-8	12.7	M30x2	20	106	63	25	36

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

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

ISO 12151-2-SWE-S – DKOS 90°



XXXXX-XX-XX Part Number VS	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
K1CVS-8-4	6	1/4	-4	6.3	M16x1.5	8	79	41	29	19
K1CVS-10-4	6	1/4	-4	6.3	M18x1.5	10	79	41	29	22
K1CVS-12-6	10	3/8	-6	9.5	M20x1.5	12	83	45	37	24
K1CVS-14-6	10	3/8	-6	9.5	M22x1.5	14	83	45	37	27
K1CVS-16-8	12	1/2	-8	12.7	M24x1.5	16	93	51	45	30

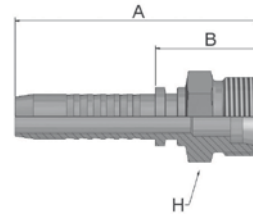
Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:

VS | -4 up to -8 H31 H31TC H31ST |

## D2 Male Metric 24° – Rigid Heavy Series – Straight

ISO 12151-2-S-S – CES



XXXXX-XX-XX Part Number VS	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	H mm
	DN	Inch	Size	mm					
KD2VS-12-6	10	3/8	-6	9.5	M20x1.5	12	66	27	22
KD2VS-14-6	10	3/8	-6	9.5	M22x1.5	14	68	30	22
KD2VS-16-8	12	1/2	-8	12.7	M24x1.5	16	74	31	24

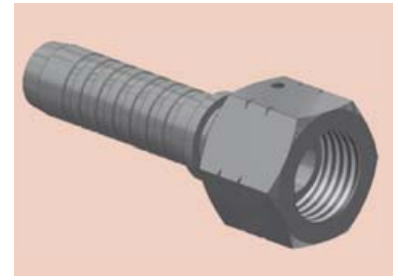
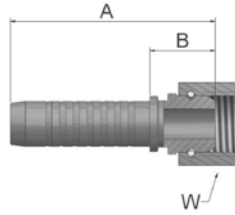
Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

Approved **fitting series** for hose types:

VS | -4 up to -8 H31 H31TC H31ST |

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

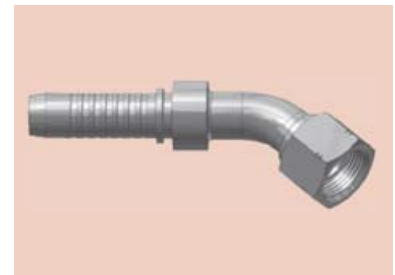
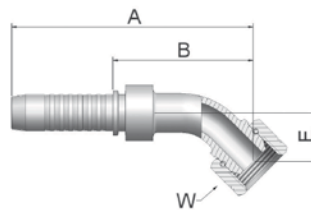
BS5200-A – DKR



XXXXX-XX-XX Part Number VS	Hose I.D.				Thread BSP	A mm	B mm	W mm
	DN	Inch	Size	mm				
K92VS-6-6	10	3/8	-6	9.5	3/8x19	60	22	22
K92VS-8-6	10	3/8	-6	9.5	1/2x14	62	23	27
K92VS-8-8	12	1/2	-8	12.7	1/2x14	67	24	27
K92VS-10-8	12	1/2	-8	12.7	5/8x14	65	23	30

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

BS 5200-D – DKR 45°



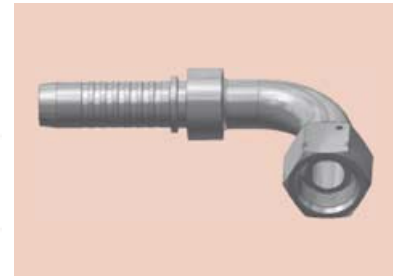
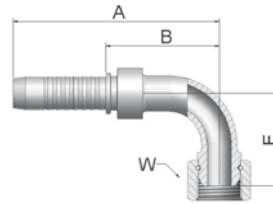
XXXXX-XX-XX Part Number VS	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
KB1VS-6-6	10	3/8	-6	9.5	3/8x19	90	52	17	22
KB1VS-8-6	10	3/8	-6	9.5	1/2x14	91	53	17	27
KB1VS-8-8	12	1/2	-8	12.7	1/2x14	100	58	20	27
KB1VS-10-8	12	1/2	-8	12.7	5/8x14	99	57	19	30

Approved **fitting series** for hose types:

VS | -4 up to -8 H31 H31TC H31ST |

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

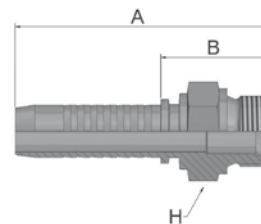
BS 5200-B – DKR 90°



XXXXX-XX-XX Part Number VS	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
KB2VS-6-6	10	3/8	-6	9.5	3/8x19	82	44	33	22
KB2VS-8-6	10	3/8	-6	9.5	1/2x14	83	45	36	27
KB2VS-8-8	12	1/2	-8	12.7	1/2x14	92	50	40	27
KB2VS-10-8	12	1/2	-8	12.7	5/8x14	92	50	38	30

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

BS5200 – AGR



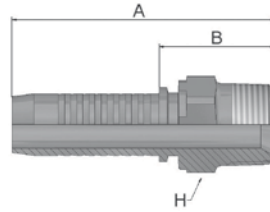
XXXXX-XX-XX Part Number VS	Hose I.D.				Thread BSP	A mm	B mm	H mm
	DN	Inch	Size	mm				
KD9VS-6-6	10	3/8	-6	9.5	3/8x19	71	33	22
KD9VS-8-8	12	1/2	-8	12.7	1/2x14	78	36	27

Approved **fitting series** for hose types:

VS | -4 up to -8 H31 H31TC H31ST |

# 01 Male NPTF Pipe Rigid – Straight

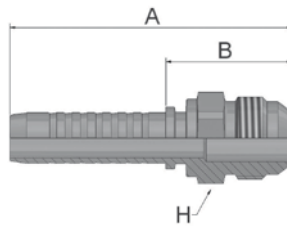
SAE J476A / J516 – AGN



XXXXX-XX-XX Part Number VS	Hose I.D.				Thread NPTF	A mm	B mm	H mm
	DN	Inch	Size	mm				
K01VS-6-6	10	3/8	-6	9.5	3/8x18	71	33	19
K01VS-8-8	12	1/2	-8	12.7	1/2x14	83	40	22

# 03 Male JIC 37° – Rigid Straight

ISO12151-5-S – AGJ



XXXXX-XX-XX Part Number VS	Hose I.D.				Thread UNF	A mm	B mm	H mm
	DN	Inch	Size	mm				
K03VS-6-6	10	3/8	-6	9.5	9/16x18	71	32	19
K03VS-8-6	10	3/8	-6	9.5	3/4x16	69	31	22
K03VS-8-8	12	1/2	-8	12.7	3/4x16	79	36	22
K03VS-10-8	12	1/2	-8	12.7	7/8x14	77	35	24

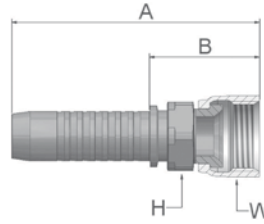
Approved **fitting series** for hose types:

VS | -4 up to -8 H31 H31TC H31ST |



**06/68 Female – JIC 37°  
SAE 45° Dual Flare  
Swivel – Straight**

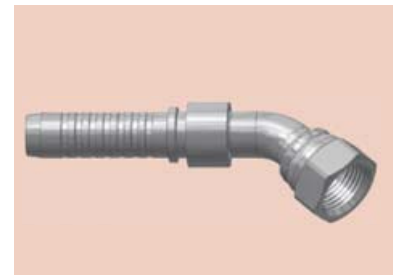
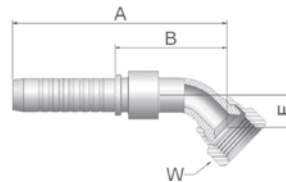
ISO12151-5-SWS – DKJ



XXXXX-XX-XX Part Number VS	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
K68VS-4-4	6	1/4	-4	6.3	7/16x20	66	28	14	17
K06VS-6-4	6	1/4	-4	6.3	9/16x18	71	32	14	19
K06VS-6-6	10	3/8	-6	9.5	9/16x18	69	31	17	19
K68VS-8-6	10	3/8	-6	9.5	3/4x16	74	35	17	22
K06VS-12-6	10	3/8	-6	9.5	1-1/16x12	78	40	27	32
K68VS-12-6	10	3/8	-6	9.5	1-1/16x12	64	25	27	32
K68VS-8-8	12	1/2	-8	12.7	3/4x16	77	35	22	22
K68VS-10-8	12	1/2	-8	12.7	7/8x14	83	41	22	27
K06VS-12-8	12	1/2	-8	12.7	1-1/16x12	83	41	27	32
K68VS-12-8	12	1/2	-8	12.7	1-1/16x12	69	27	27	32

**37/3V Female JIC 37°  
SAE 45° – Dual Flare  
Swivel Female 45° Elbow**

ISO 12151-5-SWE 45° – DKJ 45°



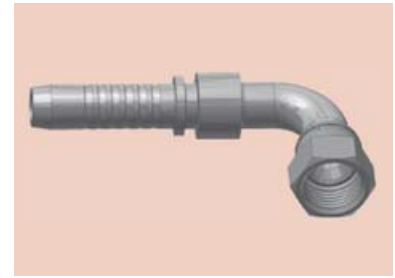
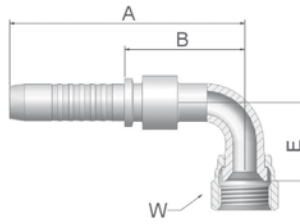
XXXXX-XX-XX Part Number VS	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
K37VS-6-4	6	1/4	-4	6.3	9/16x18	83	44	11	19
K37VS-6-6	10	3/8	-6	9.5	9/16x18	83	45	11	19
K3WS-8-6	10	3/8	-6	9.5	3/4x16	87	49	15	22
K3WS-8-8	12	1/2	-8	12.7	3/4x16	93	51	15	22
K3WS-10-8	12	1/2	-8	12.7	7/8x14	94	52	16	27
K37VS-12-8	12	1/2	-8	12.7	1-1/16x12	99	57	21	32
K3WS-12-8	12	1/2	-8	12.7	1-1/16x12	99	57	21	32

Approved fitting series for hose types:

VS | -4 up to -8 H31 H31TC H31ST |

**39/3W Female JIC 37°  
SAE 45° - Dual Flare  
Swivel Female 90° Elbow**

ISO 12151-5-SWES - DKJ 90°



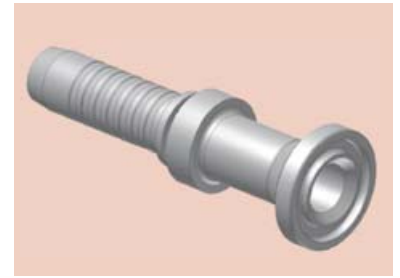
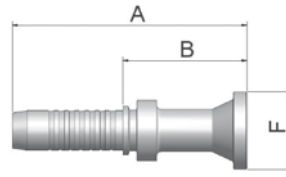
XXXXX-XX-XX Part Number VS	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
K39VS-6-4	6	1/4	-4	6.3	9/16x18	77	39	23	19
K39VS-6-6	10	3/8	-6	9.5	9/16x18	80	42	23	19
K3WVS-8-6	10	3/8	-6	9.5	3/4x16	80	42	29	22
K3WVS-8-8	12	1/2	-8	12.7	3/4x16	87	45	29	22
K3WVS-10-8	12	1/2	-8	12.7	7/8x14	87	45	32	27

Approved **fitting series** for hose types:

VS | -4 up to -8 H31 H31TC H31ST |

# 15 SAE Code 61 – Flange Head Straight

ISO 12151-3-S-L – SFL  
3000 psi

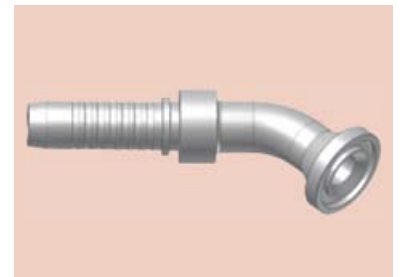
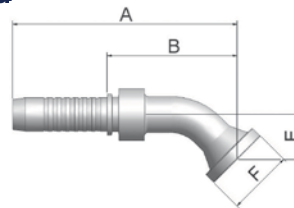


XXXXX-XX-XX Part Number VS	Hose I.D.				Flange	A mm	B mm	F mm
	DN	Inch	Size	mm				
K15VS-8-8	12	1/2	-8	12,7	1/2	102	59	30
K15VS-12-8	12	1/2	-8	12,7	3/4	77	34	38

Find SAE flange halves in section Eb.

# 17 SAE Code 61 – Flange Head 45° Elbow

ISO 12151-3 – E45 – L – SFL 45°  
3000 psi



XXXXX-XX-XX Part Number VS	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
K17VS-8-8	12	1/2	-8	12,7	1/2	100	57	20	30
K17VS-12-8	12	1/2	-8	12,7	3/4	101	58	21	38

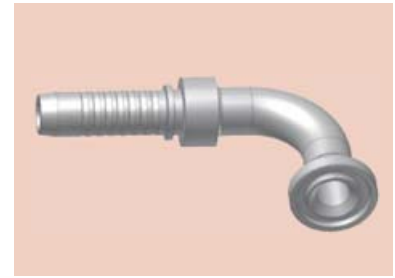
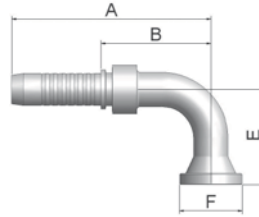
Find SAE flange halves in section Eb.

Approved **fitting series** for hose types:

VS | -4 up to -8 | H31 | H31TC | H31ST |

# 19 SAE Code 61 – Flange Head 90° Elbow

ISO 12151-3 – E– L – SFL 90°  
3000 psi

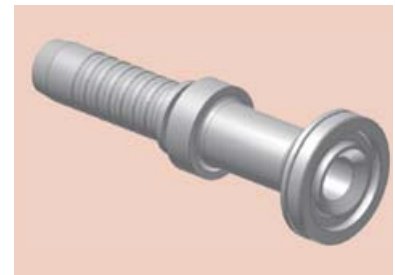
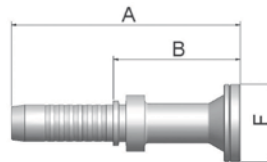


XXXXX-XX-XX Part Number VS	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
K19VS-8-8	12	1/2	-8	12,7	1/2	92	50	41	30
K19VS-12-8	12	1/2	-8	12,7	3/4	92	50	42	38

Find SAE flange halves in section Eb.

# 6A SAE Code 62 Flange Straight

ISO 12151-3-S-S – SFS  
6000 psi



XXXXX-XX-XX Part Number VS	Hose I.D.				Flange	A mm	B mm	F mm
	DN	Inch	Size	mm				
K6AVS-8-8	12	1/2	-8	12,7	1/2	105	63	32
K6AVS-12-8	12	1/2	-8	12,7	3/4	79	36	41

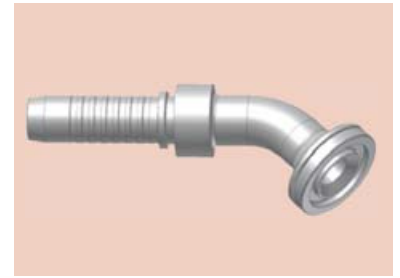
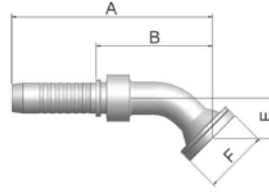
Find SAE flange halves in section Eb.

Approved **fitting series** for hose types:

VS | -4 up to -8 H31 H31TC H31ST |

## 6F SAE Code 62 Flange 45° Elbow – Heavy Series

ISO 12151-3 – E45-S – SFS 45°  
6000 psi

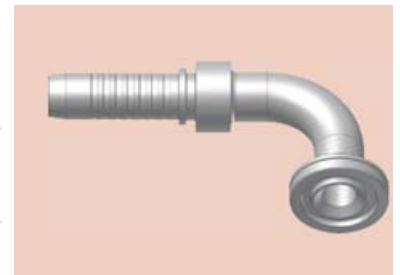
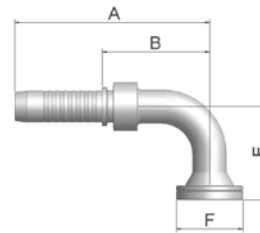


XXXXX-XX-XX Part Number VS	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
K6FVS-8-8	12	1/2	-8	12.7	1/2	94	52	19	32
K6FVS-12-8	12	1/2	-8	12.7	3/4	106	64	26	41

Find SAE flange halves in section Eb.

## 6N SAE Code 62 Flange 90° Elbow

ISO 12151-3 – E-S – SFS 90°  
6000 psi



XXXXX-XX-XX Part Number VS	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
K6NVS-8-8	12	1/2	-8	12.7	1/2	87	45	41	32
K6NVS-12-8	12	1/2	-8	12.7	3/4	92	50	45	41

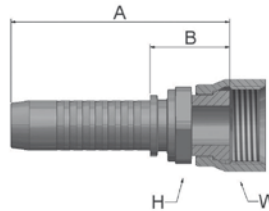
Find SAE flange halves in section Eb.

Approved **fitting series** for hose types:

VS | -4 up to -8 | H31 | H31TC | H31ST |

## JC Female ORFS Swivel – Straight Short

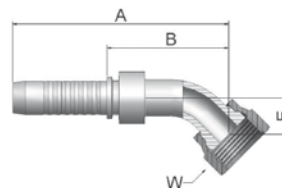
ISO 12151-1 – SWSA  
SAE J516 – ORFS



XXXXX-XX-XX Part Number VS	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
KJCVS-4-4	6	1/4	-4	6.3	9/16x18	62	23	14	17
KJCVS-6-6	10	3/8	-6	9.5	11/16x16	60	22	17	22
KJCVS-8-6	10	3/8	-6	9.5	13/16x16	62	23	19	24
KJCVS-8-8	12	1/2	-8	12.7	13/16x16	67	24	22	24
KJCVS-10-8	12	1/2	-8	12.7	1x14	69	26	24	30

## J7 Female ORFS – Swivel 45° Elbow

ISO 12151-1 – SWE 45°  
SAE J516 – ORFS 45°



XXXXX-XX-XX Part Number VS	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
KJ7VS-4-4	6	1/4	-4	6.3	9/16x18	82	43	10	17
KJ7VS-6-6	10	3/8	-6	9.5	11/16x16	83	45	11	22
KJ7VS-8-6	10	3/8	-6	9.5	13/16x16	89	51	15	24
KJ7VS-8-8	12	1/2	-8	12.7	13/16x16	93	51	15	24
KJ7VS-10-8	12	1/2	-8	12.7	1x14	95	53	16	30

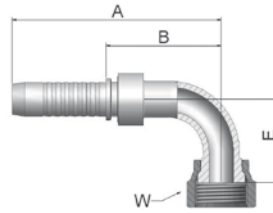
Approved **fitting series** for hose types:

VS | -4 up to -8 H31 H31TC H31ST |

# J9

## Female ORFS – Swivel 90° Elbow – Short Drop

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

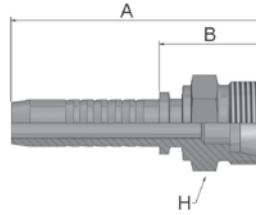


XXXXX-XX-XX Part Number VS	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
KJ9VS-4-4	6	1/4	-4	6.3	9/16x18	77	39	21	17
KJ9VS-6-6	10	3/8	-6	9.5	11/16x16	80	42	23	22
KJ9VS-8-6	10	3/8	-6	9.5	13/16x16	83	45	29	24
KJ9VS-8-8	12	1/2	-8	12.7	13/16x16	87	45	29	24
KJ9VS-10-8	12	1/2	-8	12.7	1x14	88	46	32	30
KJ9VS-12-8	12	1/2	-8	12.7	1-3/16x12	88	46	48	36

Approved **fitting series** for hose types:

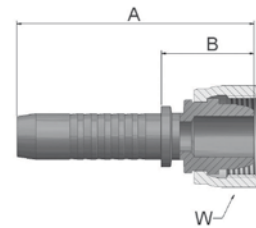
VS | -4 up to -8 H31 H31TC H31ST |

## FG Male French Gas Series Rigid – Straight (24° Cone)



XXXXX-XX-XX Part Number VS	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	H mm
	DN	Inch	Size	mm					
KFGVS-13-6	10	3/8	-6	9.5	M20x1.5	13.25	69	31	22
KFGVS-17-8	12	1/2	-8	12.7	M24x1.5	16.75	72	30	24

## F4 Female French Gas Series Swivel – Straight (Ball Nose)



XXXXX-XX-XX Part Number VS	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
KF4VS-13-6	10	3/8	-6	9.5	M20x1.5	13.25	62	24	24
KF4VS-17-8	12	1/2	-8	12.7	M24x1.5	16.75	70	27	30








Approved **fitting series** for hose types:

VS | -4 up to -8 H31 H31TC H31ST |















## DIN – Metric

Page Dk-2 – Dk-5			
<p><b>CA</b> Dk-2</p>  <p>Female Metric 24° Light Series with O-Ring Swivel – Straight ISO 12151-2-SWS-L – DKOL</p>	<p><b>CE</b> Dk-2</p>  <p>Female Metric 24° Light Series with O-Ring Swivel – 45° Elbow ISO 12151-2-SWE 45°-L – DKOL 45°</p>	<p><b>CF</b> Dk-3</p>  <p>Female Metric 24° Light Series with O-Ring Swivel – 90° Elbow ISO 12151-2-SWE-L – DKOL 90°</p>	<p><b>C9</b> Dk-4</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring Straight ISO 12151-2-SWS-S – DKOS</p>
<p><b>OC</b> Dk-4</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring 45° Elbow ISO 12151-2 – SWE 45°-S – DKOS 45°</p>	<p><b>1C</b> Dk-5</p>  <p>Female Metric 24° – Swivel Heavy Series with O-Ring 90° Elbow ISO 12151-2-SWE-S – DKOS 90°</p>	<p><b>D2</b> Dk-5</p>  <p>Male Metric 24° – Rigid Heavy Series – Straight ISO 12151-2-S-S – CES</p>	










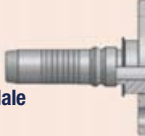




## BSP

Page Dk-6 – Dk-8			
<p><b>92</b> Dk-6</p>  <p>Female BSP Parallel Pipe Swivel – Straight (60° Cone) BS5200-A – DKR</p>	<p><b>B1</b> Dk-6</p>  <p>Female BSP Parallel Pipe Swivel 45° Elbow (60° Cone) BS 5200-D – DKR 45°</p>	<p><b>B2</b> Dk-7</p>  <p>Female BSP Parallel Pipe Swivel 90° Elbow (60° Cone) BS 5200-B – DKR 90°</p>	<p><b>D9</b> Dk-7</p>  <p>Male BSP Parallel Pipe Rigid – Straight (60° Cone) BS5200 – AGR</p>
<p><b>91</b> Dk-8</p>  <p>Male BSP Taper Pipe – Rigid Straight BS5200 – AGR-K</p>			


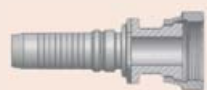



## SAE

Page Dk-9 – Dk-11			
<p><b>01</b> Dk-9</p>  <p>Male NPTF Pipe Rigid – Straight SAE J476A / J516 – AGN</p>	<p><b>03</b> Dk-9</p>  <p>Male JIC 37° – Rigid Straight ISO12151-5-S – AGJ</p>	<p><b>06</b> Dk-10</p>  <p>Female JIC 37° – Swivel Straight ISO12151-5-SWS – DKJ</p>	<p><b>37</b> Dk-10</p>  <p>Female JIC 37° – Swivel 45° Elbow ISO 12151-5-SWE 45° – DKJ 45°</p>
<p><b>39</b> Dk-11</p>  <p>Female JIC 37° – Swivel 90° Elbow ISO 12151-5-SWES – DKJ 90°</p>			



## Flange

Page Dk-12 – Dk-22			
<p><b>15/4A</b> <b>Dk-12</b></p>  <p>SAE Code 61 Flange Straight ISO 12151-3-S-L – SFL 5000 psi</p>	<p><b>17/4F</b> <b>Dk-13</b></p>  <p>SAE Code 61 Flange 45° Elbow ISO 12151-3 – E45S – L – SFL 45° 5000 psi</p>	<p><b>19/4N</b> <b>Dk-14</b></p>  <p>SAE Code 61 Flange 90° Elbow ISO 12151-3-E-L – SFL 90° 5000 psi</p>	<p><b>6A</b> <b>Dk-15</b></p>  <p>SAE Code 62 Flange Straight ISO 12151-3-S-S – SFS 6000 psi</p>
<p><b>6F</b> <b>Dk-16</b></p>  <p>SAE Code 62 Flange 45° Elbow – Heavy Series ISO 12151-3 – E45-S – SFS 45° 6000 psi</p>	<p><b>6N</b> <b>Dk-17</b></p>  <p>SAE Code 62 Flange 90° Elbow ISO 12151-3 – E-S – SFS 90° 6000 psi</p>	<p><b>X5</b> <b>Dk-19</b></p>  <p>Flange – Straight Full flange system for Code 61 or Code 62</p>	<p><b>X7</b> <b>Dk-19</b></p>  <p>Flange – 45° Elbow Full flange system for Code 61 or Code 62</p>
<p><b>X9</b> <b>Dk-20</b></p>  <p>Flange – 90° Elbow Full flange system for Code 61 or Code 62</p>	<p><b>PY</b> <b>Dk-20</b></p>  <p>Flange – 24° Male French Gas Straight</p>	<p><b>XA</b> <b>Dk-21</b></p>  <p>Caterpillar® Flange Straight</p>	<p><b>XF</b> <b>Dk-21</b></p>  <p>Caterpillar® Flange 45° Elbow</p>
<p><b>XG</b> <b>Dk-22</b></p>  <p>Caterpillar® Flange 60° Elbow</p>	<p><b>XN</b> <b>Dk-22</b></p>  <p>Caterpillar® Flange 90° Elbow</p>		

## ORFS

Page Dk-23 – Dk-25			
<p><b>JC</b> <b>Dk-23</b></p>  <p>Female ORFS Swivel – Straight Short ISO 12151-1 – SWSA SAE J516 – ORFS</p>	<p><b>JS</b> <b>Dk-24</b></p>  <p>ORFS Swivel Female (Long) ISO 12151-1-SWSB SAE J516 – ORFS</p>	<p><b>J7</b> <b>Dk-24</b></p>  <p>Female ORFS – Swivel 45° Elbow ISO 12151-1 – SWE 45° SAE J516 – ORFS 45°</p>	<p><b>J9</b> <b>Dk-25</b></p>  <p>Female ORFS – Swivel 90° Elbow – Short Drop ISO 12151-1 – SWES SAE J516 – ORFS 90°</p>
<p><b>JM</b> <b>Dk-25</b></p>  <p>ORFS Male ISO 12151-1-S – SAE J516</p>			

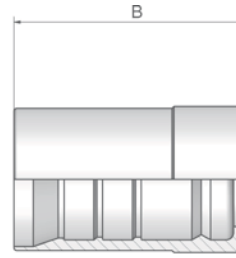
## French Standard

Page Dk-26	
<p><b>FG</b> <b>Dk-26</b></p>  <p>Male French Gas Series Rigid – Straight (24° Cone)</p>	<p><b>F4</b> <b>Dk-16</b></p>  <p>Female French Gas Series Swivel – Straight (Ball Nose)</p>



## V4 Interlock In-/Outside Skive

4 Wire Hoses

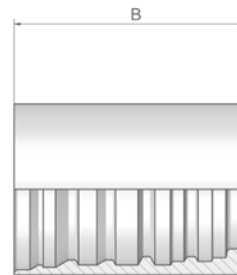


Only for use with adjustable crimpers.  
Minimum of 320 tons crimping force recommended.

XXXXX-XX-XX Part Number	Hose I.D.				B mm
	DN	Inch	Size	mm	
100V4-10	16	5/8	-10	15.9	49
100V4-12	20	3/4	-12	19.1	60
100V4-16	25	1	-16	25.4	75
100V4-20	32	1-1/4	-20	31.8	88
100V4-24	40	1-1/2	-24	38.1	94
100V4-32	50	2	-32	50.8	99

## V6 Interlock In-/Outside Skive

6 Wire Hoses



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

XXXXX-XX-XX Part Number	Hose I.D.				B mm
	DN	Inch	Size	mm	
100V6-20	32	1-1/4	-20	31.8	90
100V6-24	40	1-1/2	-24	38.1	96
100V6-32	50	2	-32	50.8	110

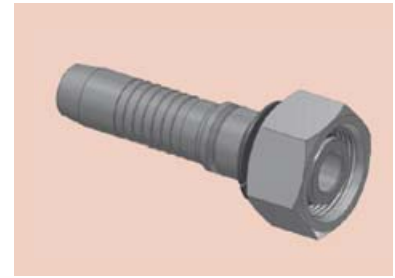
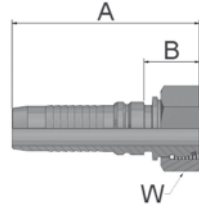
Approved **fitting series** for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

<b>V4</b>	-10 up to -16 H31 H31TC H31ST R42 R42TC R42ST   -12 up to -20 R35 R35TC H29   all sizes H29TC H29ST H29RH
<b>V6</b>	-24 up to -32 R35 R35TC   -20 up to -32 R42 R42ST R42TC

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

ISO 12151-2-SWS-L – DKOL

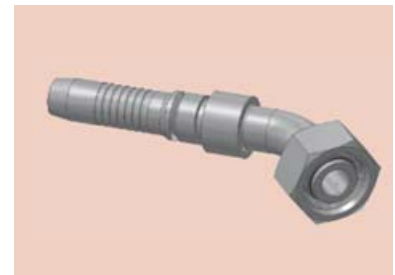
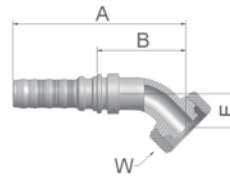


XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
KCAV4-18-10	16	5/8	-10	15.9	M26x1.5	18	83	23	32
KCAV4-22-12	20	3/4	-12	19.1	M30x2	22	89	28	36
KCAV4-28-16	25	1	-16	25.4	M36x2	28	103	31	41
KCAV4-35-20	32	1 1/4	-20	31.8	M45x2	35	120	32	50
KCAV6-35-20	32	1 1/4	-20	31.8	M45x2	35	130	39	50
KCAV4-42-24	40	1 1/2	-24	38.1	M52x2	42	128	35	60
KCAV6-42-24	40	1 1/2	-24	38.1	M52x2	42	138	42	60

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

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

ISO 12151-2-SWE 45°-L – DKOL 45°



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
KCEV4-22-12	20	3/4	-12	19.1	M30x2	22	137	75	29	36
KCEV4-35-20	32	1 1/4	-20	31.8	M45x2	35	197	109	37	50
KCEV6-35-20	32	1 1/4	-20	31.8	M45x2	35	188	97	37	50
KCEV6-42-24	40	1 1/2	-24	38.1	M52x2	42	226	130	49	60

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

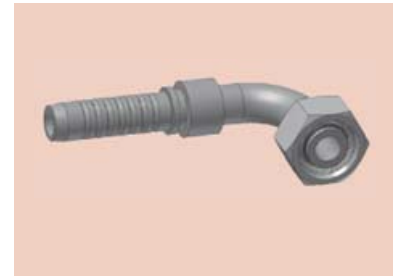
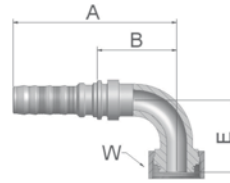
Approved **fitting series** for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

<b>V4</b>	-10 up to -16	H31	H31TC	H31ST	R42	R42TC	R42ST	-12 up to -20	R35	R35TC	H29	all sizes	H29TC	H29ST	H29RH
<b>V6</b>	-24 up to -32														
	R35 R35TC   -20 up to -32														
	R42 R42ST R42TC														

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

ISO 12151-2-SWE-L – DKOL 90°



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
KCFV4-22-16	25	1	-16	25.4	M30x2	22	150	77	70	36
KCFV4-35-20	32	1 1/4	-20	31.8	M45x2	35	186	98	79	50
KCFV6-35-20	32	1 1/4	-20	31.8	M45x2	35	177	86	79	50
KCFV6-42-24	40	1 1/2	-24	38.1	M52x2	42	209	113	101	60

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

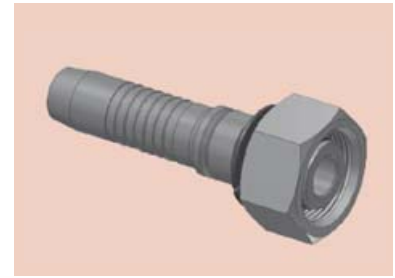
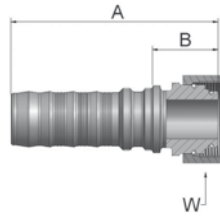
Approved **fitting series** for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

<b>V4</b>	-10 up to -16	H31	H31TC	H31ST	R42	R42TC	R42ST	-12 up to -20	R35	R35TC	H29	all sizes	H29TC	H29ST	H29RH
<b>V6</b>	-24 up to -32	R35	R35TC	-20 up to -32	R42	R42ST	R42TC								

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

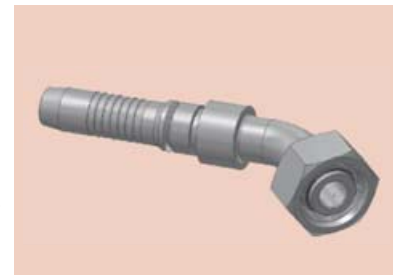
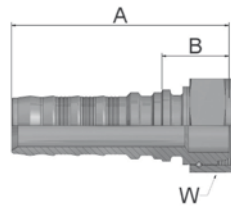
ISO 12151-2-SWS-S – DKOS



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	W mm
	DN	Inch	Size	mm					
KC9V4-20-10	16	5/8	-10	15.9	M30x2	20	87	27	36
KC9V4-20-12	20	3/4	-12	19.1	M30x2	20	88	26	36
KC9V4-25-12	20	3/4	-12	19.1	M36x2	25	91	30	46
KC9V4-30-12	20	3/4	-12	19.1	M42x2	30	95	33	50
KC9V4-25-16	25	1	-16	25.4	M36x2	25	103	30	46
KC9V4-30-16	25	1	-16	25.4	M42x2	30	108	35	50
KC9V4-38-16	25	1	-16	25.4	M52x2	38	110	37	60
KC9V4-30-20	32	1 1/4	-20	31.8	M42x2	30	123	35	50
KC9V6-30-20	32	1 1/4	-20	31.8	M42x2	30	131	41	50
KC9V4-38-20	32	1 1/4	-20	31.8	M52x2	38	126	38	60
KC9V6-38-20	32	1 1/4	-20	31.8	M52x2	38	135	44	60
KC9V4-38-24	40	1 1/2	-24	38.1	M52x2	38	129	36	60
KC9V6-38-24	40	1 1/2	-24	38.1	M52x2	38	139	43	60
KC9V6-54-32	50	2	-32	50.8	M68x2	54	175	60	80

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

ISO 12151-2 – SWE 45°-S – DKOS 45°



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
KOCV4-20-10	16	5/8	-10	15.9	M30x2	20	124	63	26	36
KOCV4-20-12	20	3/4	-12	19.1	M30x2	20	138	76	30	36
KOCV4-25-12	20	3/4	-12	19.1	M36x2	25	127	64	29	46
KOCV4-25-16	25	1	-16	25.4	M36x2	25	160	87	33	46
KOCV4-30-16	25	1	-16	25.4	M42x2	30	162	89	33	50
KOCV4-30-20	32	1 1/4	-20	31.8	M42x2	30	193	105	34	50
KOCV6-30-20	32	1 1/4	-20	31.8	M42x2	30	184	93	34	50
KOCV4-38-20	32	1 1/4	-20	31.8	M52x2	38	197	109	37	60
KOCV6-38-20	32	1 1/4	-20	31.8	M52x2	38	187	96	37	60
KOCV4-38-24	40	1 1/2	-24	38.1	M52x2	38	228	134	49	60
KOCV6-38-24	40	1 1/2	-24	38.1	M52x2	38	226	130	49	60

Fittings with standard O-ring seals can be used for temperatures from -30 °C up to +105 °C.  
Find O-rings in section E. Special O-rings are available on request.

Approved fitting series for hose types:

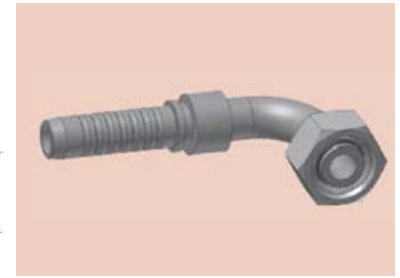
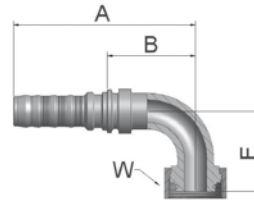
Also available in stainless steel. Details can be found in CAT 4400.1/UK

<b>V4</b>	-10 up to -16 H31 H31TC H31ST R42 R42TC R42ST   -12 up to -20 R35 R35TC H29   all sizes H29TC H29ST H29RH
<b>V6</b>	-24 up to -32 R35 R35TC   -20 up to -32 R42 R42ST R42TC



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

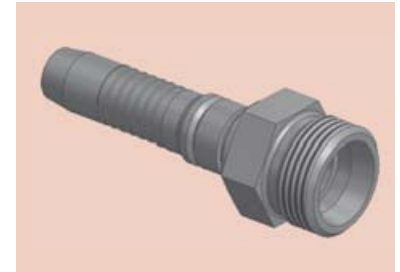
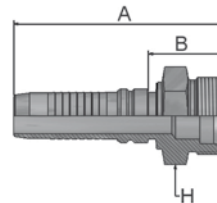
ISO 12151-2-SWE-S – DKOS 90°



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm						
K1CV4-20-10	16	5/8	-10	15.9	M30x2	20	112	52	50	36
K1CV4-20-12	20	3/4	-12	19.1	M30x2	20	125	63	60	36
K1CV4-25-12	20	3/4	-12	19.1	M36x2	25	126	63	59	46
K1CV4-25-16	25	1	-16	25.4	M36x2	25	150	77	66	46
K1CV4-30-16	25	1	-16	25.4	M42x2	30	151	78	69	50
K1CV4-30-16-SL150	25	1	-16	25.4	M42x2	30	151	78	150	50
K1CV4-30-16-SL160	25	1	-16	25.4	M42x2	30	151	78	160	50
K1CV4-38-16	25	1	-16	25.4	M52x2	38	154	81	75	60
K1CV4-30-20	32	1 1/4	-20	31.8	M42x2	30	183	95	73	50
K1CV6-30-20	32	1 1/4	-20	31.8	M42x2	30	169	78	69	50
K1CV4-38-20	32	1 1/4	-20	31.8	M52x2	38	187	99	78	60
K1CV6-38-20	32	1 1/4	-20	31.8	M52x2	38	177	86	78	60
K1CV6-38-20-SL150	32	1 1/4	-20	31.8	M52x2	38	177	86	150	60
K1CV4-38-24	40	1 1/2	-24	38.1	M52x2	38	210	117	101	60
K1CV6-38-24	40	1 1/2	-24	38.1	M52x2	38	209	113	101	60

# D2 Male Metric 24° – Rigid Heavy Series – Straight

ISO 12151-2-S-S – CES



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Thread metric	Tube O.D. mm	A mm	B mm	H mm
	DN	Inch	Size	mm					
KD2V4-20-10	16	5/8	-10	15.9	M30x2	20	95	31	30
KD2V4-20-12	20	3/4	-12	19.1	M30x2	20	93	31	30
KD2V4-25-12	20	3/4	-12	19.1	M36x2	25	98	36	36
KD2V4-25-16	25	1	-16	25.4	M36x2	25	110	38	46
KD2V4-30-16	25	1	-16	25.4	M42x2	30	115	42	46
KD2V6-30-20	32	1 1/4	-20	31.8	M42x2	30	140	59	46
KD2V4-38-20	32	1 1/4	-20	31.8	M52x2	38	135	47	55
KD2V6-38-20	32	1 1/4	-20	31.8	M52x2	38	142	51	55
KD2V4-38-24	40	1 1/2	-24	38.1	M52x2	38	139	46	55
KD2V6-38-24	40	1 1/2	-24	38.1	M52x2	38	151	55	55

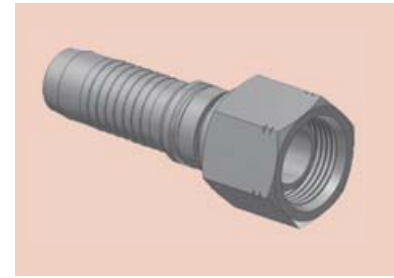
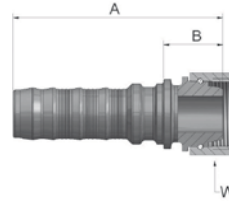
Approved fitting series for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

<b>V4</b>	-10 up to -16 H31 H31TC H31ST R42 R42TC R42ST   -12 up to -20 R35 R35TC H29   all sizes H29TC H29ST H29RH
<b>V6</b>	-24 up to -32 R35 R35TC   -20 up to -32 R42 R42ST R42TC

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

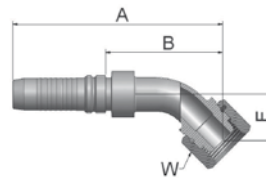
BS5200-A – DKR



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Thread BSP	A mm	B mm	W mm
	DN	Inch	Size	mm				
K92V4-10-10	16	5/8	-10	15.9	5/8x14	80	20	30
K92V4-12-12	20	3/4	-12	19.1	3/4x14	85	23	32
K92V4-16-12	20	3/4	-12	19.1	1x11	93	31	41
K92V4-16-16	25	1	-16	25.4	1x11	105	32	41
K92V4-20-20	32	1 1/4	-20	31.8	1-1/4x11	118	30	50
K92V6-20-20	32	1 1/4	-20	31.8	1-1/4x11	127	36	50
K92V4-24-24	40	1 1/2	-24	38.1	1-1/2x11	124	31	55
K92V6-24-24	40	1 1/2	-24	38.1	1-1/2x11	134	38	55
K92V4-32-32	50	2	-32	50.8	2x11	131	34	70
K92V6-32-32	50	2	-32	50.8	2x11	151	41	70

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

BS 5200-D – DKR 45°



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
KB1V4-12-12	20	3/4	-12	19.1	3/4x14	134	72	26	32
KB1V4-16-16	25	1	-16	25.4	1x11	164	91	36	41
KB1V4-20-20	32	1 1/4	-20	31.8	1-1/4x11	198	110	38	50
KB1V6-20-20	32	1 1/4	-20	31.8	1-1/4x11	194	103	43	50
KB1V4-24-24	40	1 1/2	-24	38.1	1-1/2x11	230	137	52	55
KB1V6-24-24	40	1 1/2	-24	38.1	1-1/2x11	229	133	52	55
KB1V4-32-32	50	2	-32	50.8	2x11	277	180	70	70
KB1V6-32-32	50	2	-32	50.8	2x11	288	178	70	70

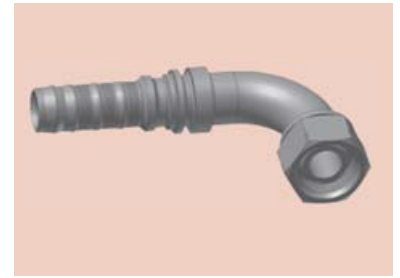
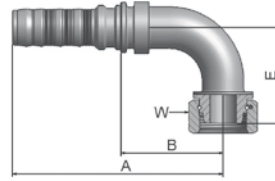
Approved **fitting series** for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

<b>V4</b>	-10 up to -16	H31	H31TC	H31ST	R42	R42TC	R42ST	-12 up to -20	R35	R35TC	H29	all sizes	H29TC	H29ST	H29RH
<b>V6</b>	-24 up to -32														
	R35 R35TC   -20 up to -32														
	R42 R42ST R42TC														

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

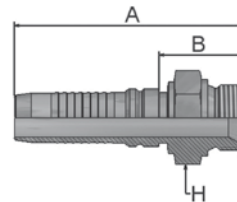
BS 5200-B – DKR 90°



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Thread BSP	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
KB2V4-12-12	20	3/4	-12	19.1	3/4x14	125	63	55	32
KB2V4-16-16	25	1	-16	25.4	1x11	150	77	74	41
KB2V4-20-20	32	1 1/4	-20	31.8	1-1/4x11	186	99	80	50
KB2V6-20-20	32	1 1/4	-20	31.8	1-1/4x11	177	86	80	50
KB2V4-24-24	40	1 1/2	-24	38.1	1-1/2x11	210	117	103	55
KB2V6-24-24	40	1 1/2	-24	38.1	1-1/2x11	209	113	103	55
KB2V4-32-32	50	2	-32	50.8	2x11	257	160	149	70
KB2V6-32-32	50	2	-32	50.8	2x11	268	157	149	70

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

BS5200 – AGR



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Thread BSP	A mm	B mm	H mm
	DN	Inch	Size	mm				
KD9V4-10-10	16	5/8	-10	15.9	5/8x14	94	35	30
KD9V4-12-12	20	3/4	-12	19.1	3/4x14	99	37	32
KD9V4-16-16	25	1	-16	25.4	1x11	115	43	41
KD9V4-20-20	32	1 1/4	-20	31.8	1-1/4x11	134	46	50
KD9V6-20-20	32	1 1/4	-20	31.8	1-1/4x11	139	48	50
KD9V4-24-24	40	1 1/2	-24	38.1	1-1/2x11	142	48	55
KD9V6-24-24	40	1 1/2	-24	38.1	1-1/2x11	148	52	55
KD9V4-32-32	50	2	-32	50.8	2x11	148	50	70
KD9V6-32-32	50	2	-32	50.8	2x11	168	58	70

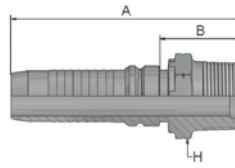
Approved **fitting series** for hose types:





Also available in stainless steel. Details can be found in CAT 4400.1/UK

<b>V4</b>	-10 up to -16 H31 H31TC H31ST R42 R42TC R42ST   -12 up to -20 R35 R35TC H29   all sizes H29TC H29ST H29RH
<b>V6</b>	-24 up to -32 R35 R35TC   -20 up to -32 R42 R42ST R42TC

# 91 Male BSP Taper Pipe – Rigid Straight

BS5200 – AGR-K



XXXXX-XX-XX Part Number  V4/V6	 Hose I.D.				 Thread BSP	A	B	 H
	DN	Inch	Size	mm		mm	mm	mm
K91V4-12-12	20	3/4	-12	19.1	3/4x14	99	37	30
K91V4-16-16	25	1	-16	25.4	1x11	113	40	36
K91V4-20-20	32	1 1/4	-20	31.8	1-1/4x11	131	43	46
K91V4-24-24	40	1 1/2	-24	38.1	1-1/2x11	152	59	55
K91V4-32-32	50	2	-32	50.8	2x11	166	68	65

Approved **fitting series** for hose types:

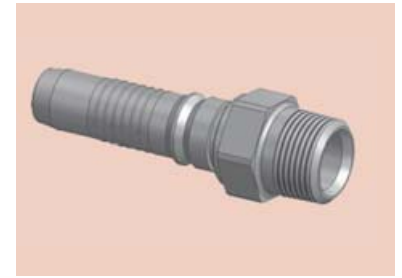
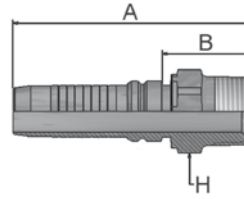
Also available in stainless steel. Details can be found in CAT 4400.1/UK

<b>V4</b>	-10 up to -16	H31	H31TC	H31ST	R42	R42TC	R42ST	-12 up to -20	R35	R35TC	H29	all sizes	H29TC	H29ST	H29RH
<b>V6</b>	-24 up to -32														
	R35 R35TC   -20 up to -32														
	R42 R42ST R42TC														

# 01

## Male NPTF Pipe Rigid – Straight

SAE J476A / J516 – AGN

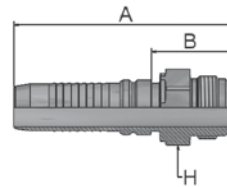


XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Thread NPTF	A mm	B mm	H mm
	DN	Inch	Size	mm				
K01V4-12-12	20	3/4	-12	19.1	3/4x14	100	38	30
K01V4-16-16	25	1	-16	25.4	1x11-1/2	117	44	36
K01V4-20-20	32	1 1/4	-20	31.8	1-1/4x11-1/2	146	58	46
K01V6-20-20	32	1 1/4	-20	31.8	1-1/4x11-1/2	151	60	46
K01V4-24-24	40	1 1/2	-24	38.1	1-1/2x11-1/2	148	55	50
K01V6-24-24	40	1 1/2	-24	38.1	1-1/2x11-1/2	159	63	50
K01V4-32-32	50	2	-32	50.8	2x11-1/2	160	62	65
K01V6-32-32	50	2	-32	50.8	2x11-1/2	181	70	65

# 03

## Male JIC 37° – Rigid Straight

ISO12151-5-S – AGJ



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Thread UNF	A mm	B mm	H mm
	DN	Inch	Size	mm				
K03V4-12-12	20	3/4	-12	19.1	1-1/16x12	101	39	30
K03V4-16-12	20	3/4	-12	19.1	1-5/16x12	103	41	36
K03V4-16-16	25	1	-16	25.4	1-5/16x12	117	44	36
K03V4-20-16	25	1	-16	25.4	1-5/8x12	122	50	46
K03V4-20-20	32	1 1/4	-20	31.8	1-5/8x12	139	51	46
K03V6-20-20	32	1 1/4	-20	31.8	1-5/8x12	147	56	46
K03V4-24-20	32	1 1/4	-20	31.8	1-7/8x12	139	51	50
K03V4-24-24	40	1 1/2	-24	38.1	1-7/8x12	146	53	50
K03V6-24-24	40	1 1/2	-24	38.1	1-7/8x12	156	60	50
K03V4-32-32	50	2	-32	50.8	2-1/2x12	161	64	65
K03V6-32-32	50	2	-32	50.8	2-1/2x12	182	72	65

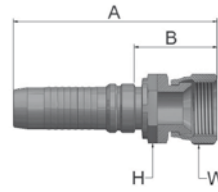
Approved fitting series for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

<b>V4</b>	-10 up to -16 H31 H31TC H31ST R42 R42TC R42ST   -12 up to -20 R35 R35TC H29   all sizes H29TC H29ST H29RH
<b>V6</b>	-24 up to -32 R35 R35TC   -20 up to -32 R42 R42ST R42TC

## 06 Female JIC 37° – Swivel Straight

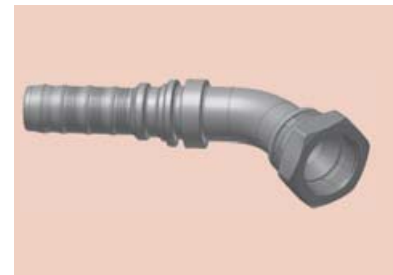
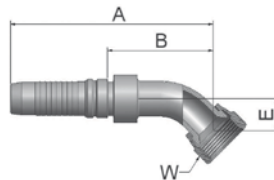
ISO12151-5-SWS – DKJ



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
K06V4-12-12	20	3/4	-12	19.1	1-1/16x12	105	43	30	32
K06V4-16-12	20	3/4	-12	19.1	1-5/16x12	109	48	36	41
K06V4-12-16	25	1	-16	25.4	1-1/16x12	121	49	36	32
K06V4-16-16	25	1	-16	25.4	1-5/16x12	122	50	36	41
K06V4-20-16	25	1	-16	25.4	1-5/8x12	125	52	41	55
K06V4-20-20	32	1-1/4	-20	31.8	1-5/8x12	146	58	46	55
K06V6-20-20	32	1-1/4	-20	31.8	1-5/8x12	154	63	46	55
K06V4-24-20	32	1-1/4	-20	31.8	1-7/8x12	150	63	50	60
K06V6-24-20	32	1-1/4	-20	31.8	1-7/8x12	159	68	50	60
K06V4-24-24	40	1-1/2	-24	38.1	1-7/8x12	152	59	50	60
K06V6-24-24	40	1-1/2	-24	38.1	1-7/8x12	163	67	50	60
K06V4-32-32	50	2	-32	50.8	2-1/2x12	168	77	65	75
K06V6-32-32	50	2	-32	50.8	2-1/2x12	188	78	65	75

## 37 Female JIC 37° – Swivel 45° Elbow

ISO 12151-5-SWE 45° – DKJ 45°



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
K37V4-12-12	20	3/4	-12	19.1	1-1/16x12	128	67	21	32
K37V4-16-16	25	1	-16	25.4	1-5/16x12	152	80	24	41
K37V4-20-20	32	1-1/4	-20	31.8	1-5/8x12	201	113	42	55
K37V6-20-20	32	1-1/4	-20	31.8	1-5/8x12	192	101	42	55
K37V4-24-24	40	1-1/2	-24	38.1	1-7/8x12	227	134	49	60
K37V6-24-24	40	1-1/2	-24	38.1	1-7/8x12	235	139	58	60
K37V4-32-32	50	2	-32	50.8	2-1/2x12	279	182	72	75
K37V6-32-32	50	2	-32	50.8	2-1/2x12	290	180	72	75

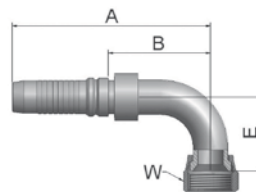
Approved fitting series for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

V4	-10 up to -16 H31 H31TC H31ST R42 R42TC R42ST   -12 up to -20 R35 R35TC H29   all sizes H29TC H29ST H29RH
V6	-24 up to -32 R35 R35TC   -20 up to -32 R42 R42ST R42TC

# 39 Female JIC 37° – Swivel 90° Elbow

ISO 12151-5-SWES – DKJ 90°



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
K39V4-12-12	20	3/4	-12	19.1	1-1/16x12	125	63	48	32
K39V4-16-12	20	3/4	-12	19.1	1-5/16x12	125	63	56	41
K39V4-16-16	25	1	-16	25.4	1-5/16x12	150	78	56	41
K39V4-20-16	25	1	-16	25.4	1-5/8x12	150	77	62	55
K39V4-20-20	32	1-1/4	-20	31.8	1-5/8x12	186	98	85	55
K39V6-20-20	32	1-1/4	-20	31.8	1-5/8x12	177	86	85	55
K39V4-24-20	32	1-1/4	-20	31.8	1-7/8x12	186	98	80	60
K39V4-24-24	40	1-1/2	-24	38.1	1-7/8x12	210	117	102	60
K39V6-24-24	40	1-1/2	-24	38.1	1-7/8x12	209	113	102	60
K39V4-32-32	50	2	-32	50.8	2-1/2x12	257	160	152	75
K39V6-32-32	50	2	-32	50.8	2-1/2x12	268	157	152	75

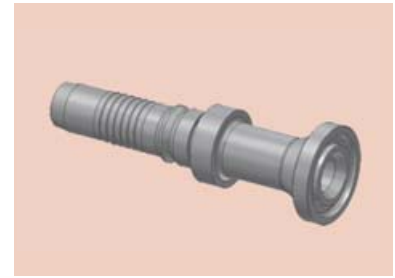
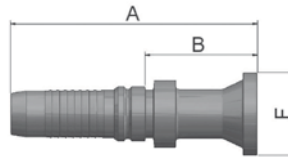
Approved fitting series for hose types:




Also available in stainless steel. Details can be found in CAT 4400.1/UK

<b>V4</b>	-10 up to -16 H31 H31TC H31ST R42 R42TC R42ST   -12 up to -20 R35 R35TC H29   all sizes H29TC H29ST H29RH
<b>V6</b>	-24 up to -32 R35 R35TC   -20 up to -32 R42 R42ST R42TC

# 15/4A SAE Code 61 Flange Straight

ISO 12151-3-S-L – SFL  
5000 psi



XXXXX-XX-XX Part Number  V4/V6	 Hose I.D.				 Flange	A	B	F
	DN	Inch	Size	mm		mm	mm	mm
K15V4-12-12	20	3/4	-12	19.1	3/4	119	58	38
K15V4-16-12	20	3/4	-12	19.1	1	100	38	45
K15V4-12-16	25	1	-16	25.4	3/4	135	62	38
K15V4-16-16	25	1	-16	25.4	1	133	61	45
K4AV4-20-16	25	1	-16	25.4	1-1/4	101	28	51
K15V4-16-20	32	1-1/4	-20	31.8	1	152	64	45
K15V6-16-20	32	1-1/4	-20	31.8	1	161	70	44
K4AV4-20-20	32	1-1/4	-20	31.8	1-1/4	160	72	51
K4AV6-20-20	32	1-1/4	-20	31.8	1-1/4	167	76	51
K4AV4-24-20	32	1-1/4	-20	31.8	1-1/2	126	39	60
K4AV6-24-20	32	1-1/4	-20	31.8	1-1/2	165	74	60
K4AV4-20-24	40	1-1/2	-24	38.1	1-1/4	167	73	51
K4AV4-24-24	40	1-1/2	-24	38.1	1-1/2	190	97	60
K4AV6-24-24	40	1-1/2	-24	38.1	1-1/2	201	105	60
K4AV4-32-24	40	1-1/2	-24	38.1	2	149	56	71
K4AV6-32-24	40	1-1/2	-24	38.1	2	159	63	71
K4AV4-32-32	50	2	-32	50.8	2	189	92	71
K4AV6-32-32	50	2	-32	50.8	2	210	100	71

Find SAE flange halves in section Eb.

Approved **fitting series** for hose types:

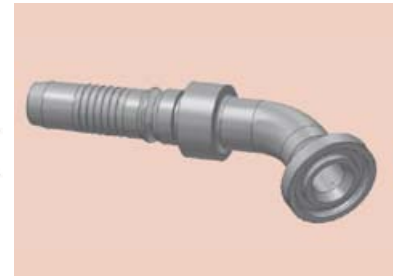
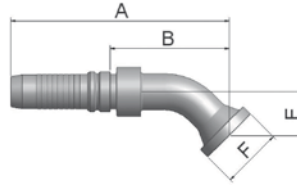
Also available in stainless steel. Details can be found in CAT 4400.1/UK

<b>V4</b>	-10 up to -16 H31 H31TC H31ST R42 R42TC R42ST   -12 up to -20 R35 R35TC H29   all sizes H29TC H29ST H29RH
<b>V6</b>	-24 up to -32 R35 R35TC   -20 up to -32 R42 R42ST R42TC



# 17/4F SAE Code 61 Flange 45° Elbow

ISO 12151-3 – E45S – L – SFL 45°  
5000 psi



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
K17V4-12-12	20	3/4	-12	19.1	3/4	133	71	26	38
K17V4-16-12	20	3/4	-12	19.1	1	133	71	26	45
K17V4-16-16	25	1	-16	25.4	1	160	88	32	45
K17V4-16-20	32	1-1/4	-20	31.8	1	198	110	38	45
K17V6-16-20	32	1-1/4	-20	31.8	1	188	97	38	44
K4FV4-20-12	20	3/4	-12	19.1	1-1/4	133	71	25	51
K4FV4-20-16	25	1	-16	25.4	1-1/4	160	88	32	51
K4FV4-20-20	32	1-1/4	-20	31.8	1-1/4	198	110	38	51
K4FV6-20-20	32	1-1/4	-20	31.8	1-1/4	188	97	38	51
K4FV4-24-20	32	1-1/4	-20	31.8	1-1/2	198	110	38	60
K4FV6-24-20	32	1-1/4	-20	31.8	1-1/2	188	97	38	60
K4FV4-20-24	40	1-1/2	-24	38.1	1-1/4	214	121	44	51
K4FV6-20-24	40	1-1/2	-24	38.1	1-1/4	201	105	44	51
K4FV4-24-24	40	1-1/2	-24	38.1	1-1/2	222	129	44	60
K4FV6-24-24	40	1-1/2	-24	38.1	1-1/2	221	125	44	60
K4FV4-32-24	40	1-1/2	-24	38.1	2	222	129	44	71
K4FV6-32-24	40	1-1/2	-24	38.1	2	221	125	44	71
K4FV4-32-32	50	2	-32	50.8	2	269	171	62	71
K4FV6-32-32	50	2	-32	50.8	2	274	164	56	71

Find SAE flange halves in section Eb.

Approved fitting series for hose types:

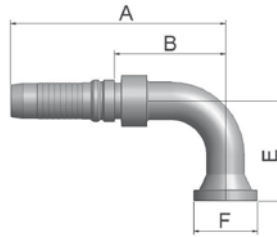
Also available in stainless steel. Details can be found in CAT 4400.1/UK

**V4** | -10 up to -16 H31 H31TC H31ST R42 R42TC R42ST | -12 up to -20 R35 R35TC H29 | all sizes H29TC H29ST H29RH |

**V6** | -24 up to -32 R35 R35TC | -20 up to -32 R42 R42ST R42TC |

# 19/4N SAE Code 61 Flange 90° Elbow

ISO 12151-3-E-L – SFL 90°  
5000 psi



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
K19V4-12-12	20	3/4	-12	19.1	3/4	125	63	58	38
K19V4-12-12-SL100	20	3/4	-12	19.1	3/4	125	63	100	38
K19V4-16-12	20	3/4	-12	19.1	1	125	63	58	45
K19V4-16-16	25	1	-16	25.4	1	150	78	70	45
K19V4-16-16-SL130	25	1	-16	25.4	1	150	78	130	45
K19V4-16-16-SL210	25	1	-16	25.4	1	150	78	210	45
K19V4-16-20	32	1-1/4	-20	31.8	1	186	99	90	45
K19V6-16-20	32	1-1/4	-20	31.8	1	177	86	90	44
K4NV4-20-12-SL65	20	3/4	-12	19.1	3/4	125	63	65	51
K4NV4-20-16	25	1	-16	25.4	1-1/4	150	78	68	51
K4NV4-20-16-SL130	25	1	-16	25.4	1-1/4	150	78	130	51
K4NV4-20-20	32	1-1/4	-20	31.8	1-1/4	186	99	90	51
K4NV4-20-20-SL120	32	1-1/4	-20	31.8	1-1/4	186	99	120	51
K4NV4-20-20-SL150	32	1-1/4	-20	31.8	1-1/4	186	99	150	51
K4NV4-20-20-SL165	32	1-1/4	-20	31.8	1-1/4	186	99	165	51
K4NV6-20-20	32	1-1/4	-20	31.8	1-1/4	177	86	90	51
K4NV4-24-20	32	1-1/4	-20	31.8	1-1/2	186	99	90	60
K4NV4-24-20-SL110	32	1-1/4	-20	31.8	1-1/2	186	99	110	60
K4NV4-24-20-SL150	32	1-1/4	-20	31.8	1-1/2	186	99	150	60
K4NV6-24-20	32	1-1/4	-20	31.8	1-1/2	177	86	90	60
K4NV6-24-20-SL200	32	1-1/4	-20	31.8	1-1/2	177	86	200	60
K4NV4-20-24	40	1-1/2	-24	38.1	1-1/4	197	104	104	51
K4NV6-20-24	40	1-1/2	-24	38.1	1-1/4	184	88	104	51
K4NV4-24-24	40	1-1/2	-24	38.1	1-1/2	210	117	104	60
K4NV4-24-24-SL150	40	1-1/2	-24	38.1	1-1/2	210	117	150	60
K4NV4-24-24-SL200	40	1-1/2	-24	38.1	1-1/2	210	117	200	60
K4NV4-24-24-SL250	40	1-1/2	-24	38.1	1-1/2	210	117	250	60
K4NV6-24-24	40	1-1/2	-24	38.1	1-1/2	209	113	104	60
K4NV6-24-24-SL200	40	1-1/2	-24	38.1	1-1/2	209	113	200	60
K4NV4-32-24	40	1-1/2	-24	38.1	2	210	117	104	71
K4NV6-32-24	40	1-1/2	-24	38.1	2	209	113	104	71
K4NV4-24-32	50	2	-32	50.8	1-1/2	227	130	138	60
K4NV4-24-32-SL160	50	2	-32	50.8	1-1/2	227	130	160	60
K4NV4-32-32	50	2	-32	50.8	2	257	160	138	71
K4NV6-32-32	50	2	-32	50.8	2	268	157	138	71

Find SAE flange halves in section Eb.

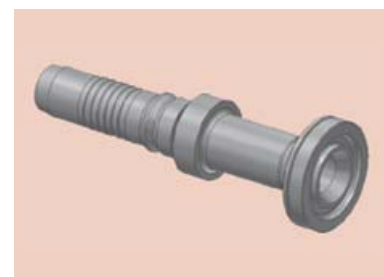
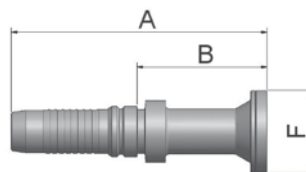
Approved fitting series for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

<b>V4</b>	-10 up to -16 H31 H31TC H31ST R42 R42TC R42ST   -12 up to -20 R35 R35TC H29   all sizes H29TC H29ST H29RH
<b>V6</b>	-24 up to -32 R35 R35TC   -20 up to -32 R42 R42ST R42TC

# 6A SAE Code 62 Flange Straight

ISO 12151-3-S-S - SFS  
6000 psi



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Flange	A mm	B mm	F mm
	DN	Inch	Size	mm				
K6AV4-8-10	16	5/8	-10	15.9	1/2	121	62	32
K6AV4-12-10	16	5/8	-10	15.9	3/4	94	34	41
K6AV4-12-12	20	3/4	-12	19.1	3/4	126	64	41
K6AV4-16-12	20	3/4	-12	19.1	1	100	38	48
K6AV4-12-16	25	1	-16	25.4	3/4	150	77	41
K6AV4-16-16	25	1	-16	25.4	1	148	75	48
K6AV4-20-16	25	1	-16	25.4	1-1/4	116	44	54
K6AV4-24-16	25	1	-16	25.4	1-1/2	118	45	64
K6AV4-16-20	32	1-1/4	-20	31.8	1	166	8	48
K6AV6-16-20	32	1-1/4	-20	31.8	1	175	84	48
K6AV4-20-20	32	1-1/4	-20	31.8	1-1/4	166	84	54
K6AV6-20-20	32	1-1/4	-20	31.8	1-1/4	175	83	54
K6AV4-24-20	32	1-1/4	-20	31.8	1-1/2	139	51	64
K6AV6-24-20	32	1-1/4	-20	31.8	1-1/2	147	56	64
K6AV4-20-24	40	1-1/2	-24	38.1	1-1/4	174	95	54
K6AV6-20-24	40	1-1/2	-24	38.1	1-1/4	185	89	54
K6AV4-24-24	40	1-1/2	-24	38.1	1-1/2	192	103	64
K6AV6-24-24	40	1-1/2	-24	38.1	1-1/2	201	106	64
K6AV4-32-24	40	1-1/2	-24	38.1	2	184	91	79
K6AV6-32-24	40	1-1/2	-24	38.1	2	194	98	79
K6AV4-24-32	50	2	-32	50.8	1-1/2	198	101	64
K6AV6-24-32	50	2	-32	50.8	1-1/2	219	108	64
K6AV4-32-32	50	2	-32	50.8	2	212	115	79
K6AV6-32-32	50	2	-32	50.8	2	233	122	79

Find SAE flange halves in section Eb.

Approved fitting series for hose types:

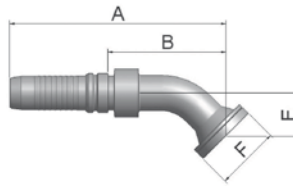
Also available in stainless steel. Details can be found in CAT 4400.1/UK

V4	-10 up to -16 H31 H31TC H31ST R42 R42TC R42ST   -12 up to -20 R35 R35TC H29   all sizes H29TC H29ST H29RH
V6	-24 up to -32 R35 R35TC   -20 up to -32 R42 R42ST R42TC

# 6F

## SAE Code 62 Flange 45° Elbow – Heavy Series

ISO 12151-3 – E45-S – SFS 45°  
6000 psi



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
K6FV4-8-10	16	5/8	-10	15.9	1/2	123	63	26	32
K6FV4-12-10	16	5/8	-10	15.9	3/4	123	63	26	41
K6FV4-12-12	20	3/4	-12	19.1	3/4	133	72	26	41
K6FV4-12-12-SL55	20	3/4	-12	19.1	3/4	162	101	55	41
K6FV4-16-12	20	3/4	-12	19.1	1	133	71	26	48
K6FV4-16-12-SL55	20	3/4	-12	19.1	1	162	101	55	48
K6FV4-12-16	25	1	-16	25.4	3/4	154	82	32	41
K6FV4-16-16	25	1	-16	25.4	1	160	88	32	48
K6FV4-20-16	25	1	-16	25.4	1-1/4	161	89	32	54
K6FV4-16-20	32	1-1/4	-20	31.8	1	198	110	38	48
K6FV6-16-20	32	1-1/4	-20	31.8	1	188	97	38	48
K6FV4-20-20	32	1-1/4	-20	31.8	1-1/4	198	110	38	54
K6FV4-20-20-SL60	32	1-1/4	-20	31.8	1-1/4	220	132	60	54
K6FV6-20-20	32	1-1/4	-20	31.8	1-1/4	189	97	38	54
K6FV6-20-20-SL60	32	1-1/4	-20	31.8	1-1/4	210	119	60	54
K6FV4-24-20	32	1-1/4	-20	31.8	1-1/2	198	110	38	64
K6FV4-24-20-SL60	32	1-1/4	-20	31.8	1-1/2	220	132	60	64
K6FV6-24-20	32	1-1/4	-20	31.8	1-1/2	189	97	38	64
K6FV4-20-24	40	1-1/2	-24	38.1	1-1/2	214	121	44	54
K6FV6-20-24	40	1-1/2	-24	38.1	1-1/4	209	113	44	54
K6FV4-24-24	40	1-1/2	-24	38.1	1-1/2	222	129	44	64
K6FV4-24-24-SL200	40	1-1/2	-24	38.1	1-1/2	222	129	200	64
K6FV4-24-24-SL60	40	1-1/2	-24	38.1	1-1/2	222	129	60	64
K6FV4-24-24-SL70	40	1-1/2	-24	38.1	1-1/2	248	155	70	64
K6FV6-24-24	40	1-1/2	-24	38.1	1-1/2	221	125	44	64
K6FV6-24-24-SL70	40	1-1/2	-24	38.1	1-1/2	221	125	70	64
K6FV4-32-24	40	1-1/2	-24	38.1	2	222	129	44	79
K6FV6-32-24	40	1-1/2	-24	38.1	2	221	125	44	79
K6FV4-24-32	50	2	-32	50.8	1-1/2	245	147	56	64
K6FV6-24-32	50	2	-32	50.8	1-1/2	260	149	56	64
K6FV4-32-32	50	2	-32	50.8	2	263	166	56	79
K6FV4-32-32-SL70	50	2	-32	50.8	2	277	180	70	79
K6FV6-32-32	50	2	-32	50.8	2	274	163	56	79

Find SAE flange halves in section Eb.

Approved fitting series for hose types:

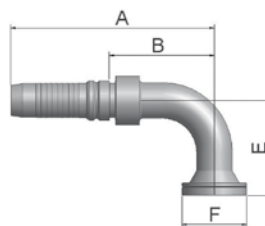
Also available in stainless steel. Details can be found in CAT 4400.1/UK

V4	-10 up to -16 H31 H31TC H31ST R42 R42TC R42ST   -12 up to -20 R35 R35TC H29   all sizes H29TC H29ST H29RH
V6	-24 up to -32 R35 R35TC   -20 up to -32 R42 R42ST R42TC

# 6N

## SAE Code 62 Flange 90° Elbow

ISO 12151-3 – E-S – SFS 90°  
6000 psi



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
K6NV4-8-10	16	5/8	-10	15.9	1/2	111	51	54	32
K6NV4-12-10	16	5/8	-10	15.9	3/4	111	50	54	41
K6NV4-12-12	20	3/4	-12	19.1	3/4	125	63	58	41
K6NV4-12-12-SL100	20	3/4	-12	19.1	3/4	125	63	100	41
K6NV4-12-12-SL70	20	3/4	-12	19.1	3/4	125	63	70	41
K6NV4-12-12-SL80	20	3/4	-12	19.1	3/4	125	63	80	41
K6NV4-12-12-SL86	20	3/4	-12	19.1	3/4	125	63	86	41
K6NV4-16-12	20	3/4	-12	19.1	1	125	63	58	48
K6NV4-16-12-SL100	20	3/4	-12	19.1	1	125	63	100	48
K6NV4-16-12-SL90	20	3/4	-12	19.1	1	125	63	90	48
K6NV4-12-16	25	1	-16	25.4	3/4	140	68	70	41
K6NV4-12-16-SL55	25	1	-16	25.4	3/4	140	68	55	41
K6NV4-12-16-SL80	25	1	-16	25.4	3/4	140	68	80	41
K6NV4-16-16	25	1	-16	25.4	1	150	78	70	48
K6NV4-16-16-SL110	25	1	-16	25.4	1	150	78	110	48
K6NV4-16-16-SL125	25	1	-16	25.4	1	150	78	125	48
K6NV4-16-16-SL140	25	1	-16	25.4	1	150	78	140	48
K6NV4-16-16-SL80	25	1	-16	25.4	1	150	78	80	48
K6NV4-20-16	25	1	-16	25.4	1-1/4	154	82	70	54
K6NV4-20-16-SL150	25	1	-16	25.4	1-1/4	154	82	150	54
K6NV4-20-16-SL175	25	1	-16	25.4	1-1/4	154	82	175	54
K6NV4-20-16-SL65	25	1	-16	25.4	1-1/4	154	82	65	54

Size -20 up to size -32:  
please see next page!

Approved fitting series for hose types:

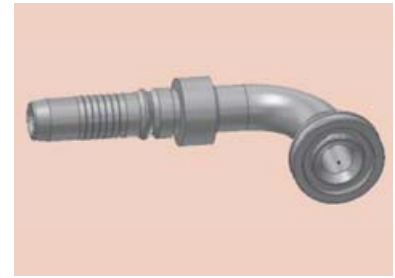
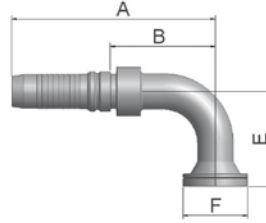
Also available in stainless steel. Details can be found in CAT 4400.1/UK

V4	-10 up to -16 H31 H31TC H31ST R42 R42TC R42ST   -12 up to -20 R35 R35TC H29   all sizes H29TC H29ST H29RH
V6	-24 up to -32 R35 R35TC   -20 up to -32 R42 R42ST R42TC

# 6N

## SAE Code 62 Flange 90° Elbow

ISO 12151-3 – E-S – SFS 90°  
6000 psi



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
K6NV4-16-20	32	1-1/4	-20	31.8	1	186	99	90	48
K6NV6-16-20	32	1-1/4	-20	31.8	1	177	86	90	48
K6NV4-20-20	32	1-1/4	-20	31.8	1-1/4	186	99	90	54
K6NV4-20-20-SL120	32	1-1/4	-20	31.8	1-1/4	186	98	120	54
K6NV4-20-20-SL140	32	1-1/4	-20	31.8	1-1/4	186	98	140	54
K6NV4-20-20-SL155	32	1-1/4	-20	31.8	1-1/4	186	98	155	54
K6NV4-20-20-SL200	32	1-1/4	-20	31.8	1-1/4	186	98	200	54
K6NV6-20-20	32	1-1/4	-20	31.8	1-1/4	177	86	90	54
K6NV6-20-20-SL120	32	1-1/4	-20	31.8	1-1/4	177	86	120	54
K6NV6-20-20-SL150	32	1-1/4	-20	31.8	1-1/4	177	86	150	54
K6NV4-24-20	32	1-1/4	-20	31.8	1-1/2	186	99	90	64
K6NV4-24-20-SL135	32	1-1/4	-20	31.8	1-1/2	186	98	135	64
K6NV6-24-20	32	1-1/4	-20	31.8	1-1/2	177	86	90	64
K6NV4-20-24	40	1-1/2	-24	38.1	1-1/4	197	104	104	54
K6NV6-20-24	40	1-1/2	-24	38.1	1-1/4	192	96	104	54
K6NV4-24-24	40	1-1/2	-24	38.1	1-1/2	210	117	104	64
K6NV4-24-24-SL140	40	1-1/2	-24	38.1	1-1/2	210	117	140	64
K6NV4-24-24-SL150	40	1-1/2	-24	38.1	1-1/2	210	117	150	64
K6NV4-24-24-SL160	40	1-1/2	-24	38.1	1-1/2	210	117	160	64
K6NV4-24-24-SL200	40	1-1/2	-24	38.1	1-1/2	210	117	200	64
K6NV4-24-24-SL250	40	1-1/2	-24	38.1	1-1/2	210	117	250	64
K6NV6-24-24	40	1-1/2	-24	38.1	1-1/2	210	113	104	64
K6NV6-24-24-SL190	40	1-1/2	-24	38.1	1-1/2	210	113	190	64
K6NV4-32-24	40	1-1/2	-24	38.1	2	210	117	104	79
K6NV6-32-24	40	1-1/2	-24	38.1	2	209	113	104	79
K6NV4-24-32	50	2	-32	50.8	1-1/2	221	124	104	64
K6NV6-24-32	50	2	-32	50.8	1-1/2	236	125	104	64
K6NV4-32-32	50	2	-32	50.8	2	257	160	138	79
K6NV6-32-32	50	2	-32	50.8	2	268	157	138	79
K6NV6-32-32-SL145	50	2	-32	50.8	2	268	157	145	79

Size -10 up to size -16:  
please see previous page!

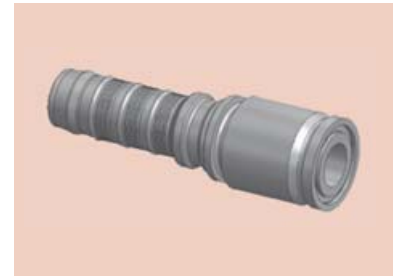
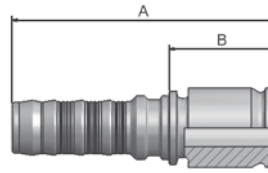
Approved fitting series for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

V4	-10 up to -16 H31 H31TC H31ST R42 R42TC R42ST   -12 up to -20 R35 R35TC H29   all sizes H29TC H29ST H29RH
V6	-24 up to -32 R35 R35TC   -20 up to -32 R42 R42ST R42TC

## X5 Flange - Straight

Full flange system for  
Code 61 or Code 62

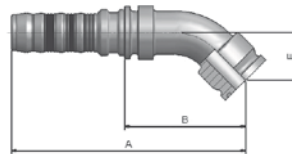


XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Flange	A mm	B mm
	DN	Inch	Size	mm			
KX5V6-20-20	32	1-1/4	-20	31.8	1-1/4	152	61
KX5V6-24-24	40	1-1/2	-24	38.1	1-1/2	159	63
KX5V6-32-32	50	2	-32	50.8	2	186	75

Find SAE flange halves in section Eb.

## X7 Flange - 45° Elbow

Full flange system for  
Code 61 or Code 62



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Flange	A mm	B mm	E mm
	DN	Inch	Size	mm				
KX7V6-20-20	32	1-1/4	-20	31.8	1-1/4	188	97	38
KX7V6-24-24	40	1-1/2	-24	38.1	1-1/2	221	125	44
KX7V6-32-32	50	2	-32	50.8	2	275	165	57

Find SAE flange halves in section Eb.

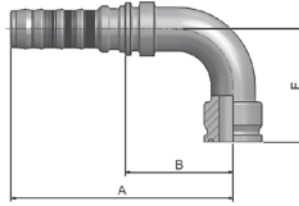
Approved **fitting series** for hose types:


Also available in stainless steel. Details can be found in CAT 4400.1/UK

<b>V4</b>	-10 up to -16 H31 H31TC H31ST R42 R42TC R42ST   -12 up to -20 R35 R35TC H29   all sizes H29TC H29ST H29RH
<b>V6</b>	-24 up to -32 R35 R35TC   -20 up to -32 R42 R42ST R42TC

## X9 Flange – 90° Elbow

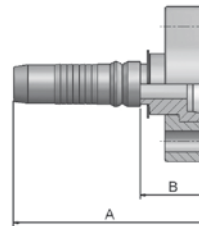
Full flange system for  
Code 61 or Code 62




XXXXX-XX-XX Part Number  V4/V6	Hose I.D.				Flange	A mm	B mm	E mm
	DN	Inch	Size	mm				
KX9V6-20-20	32	1-1/4	-20	31.8	1-1/4	177	86	90
KX9V6-24-24	40	1-1/2	-24	38.1	1-1/2	209	113	104
KX9V6-32-32	50	2	-32	50.8	2	268	157	138

Find SAE flange halves in section Eb.



## PY Flange – 24° Male French Gas Straight



XXXXX-XX-XX Part Number  V4/V6	Hose I.D.				Flange	A mm	B mm
	DN	Inch	Size	mm			
KPYV4-12-12	20	3/4	-12	19.1	3/4	92	30
KPYV4-16-16	25	1	-16	25.4	1	112	39

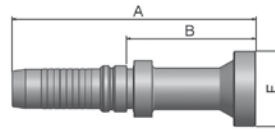
Approved **fitting series** for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

 <b>V4</b>	-10 up to -16 H31 H31TC H31ST R42 R42TC R42ST   -12 up to -20 R35 R35TC H29   all sizes H29TC H29ST H29RH
 <b>V6</b>	-24 up to -32 R35 R35TC   -20 up to -32 R42 R42ST R42TC

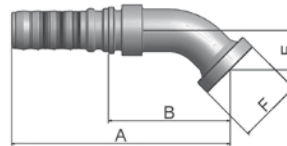


## XA Caterpillar® Flange Straight



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Flange	A mm	B mm	F mm
	DN	Inch	Size	mm				
KXAV4-12-12	20	3/4	-12	19.1	3/4	132	71	41
KXAV4-16-12	20	3/4	-12	19.1	1	144	82	48
KXAV4-16-16	25	1	-16	25.4	1	155	82	48
KXAV4-20-16	25	1	-16	25.4	1-1/4	160	88	54
KXAV6-20-20	32	1-1/4	-20	31.8	1-1/4	181	90	54
KXAV6-24-20	32	1-1/4	-20	31.8	1-1/2	188	97	64
KXAV6-24-24	40	1-1/2	-24	38.1	1-1/2	207	111	64

## XF Caterpillar® Flange 45° Elbow



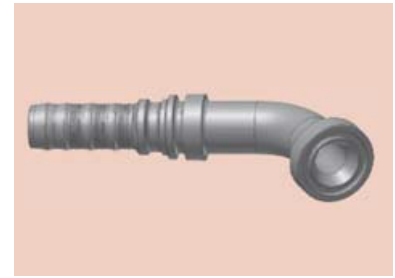
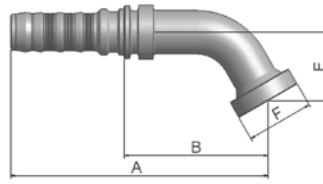
XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
KXFV4-12-12	20	3/4	-12	19.1	3/4	138	76	31	41
KXFV4-16-16	25	1	-16	25.4	1	164	91	36	48
KXFV4-20-16	25	1	-16	25.4	1-1/4	164	92	35	54
KXFV6-20-20	32	1-1/4	-20	31.8	1-1/4	187	96	37	54
KXFV6-24-20	32	1-1/4	-20	31.8	1-1/2	187	96	36	64
KXFV6-24-24	40	1-1/2	-24	38.1	1-1/2	216	120	39	64

Approved fitting series for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

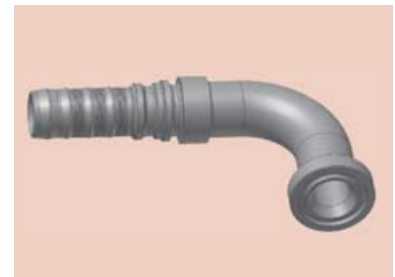
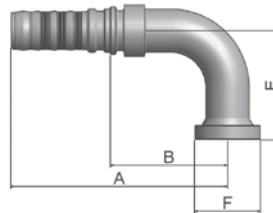
<b>V4</b>	-10 up to -16 H31 H31TC H31ST R42 R42TC R42ST   -12 up to -20 R35 R35TC H29   all sizes H29TC H29ST H29RH
<b>V6</b>	-24 up to -32 R35 R35TC   -20 up to -32 R42 R42ST R42TC

**XG** Caterpillar® Flange  
60° Elbow



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
KXGV4-16-12	20	3/4	-12	19.1	1	152	91	42	48
KXGV4-16-16	25	1	-16	25.4	1	182	109	50	48
KXGV4-20-16	25	1	-16	25.4	1-1/4	184	112	50	54
KXGV6-20-20	32	1-1/4	-20	31.8	1-1/4	206	115	55	54
KXGV6-24-20	32	1-1/4	-20	31.8	1-1/2	208	117	52	64
KXGV6-24-24	40	1-1/2	-24	38.1	1-1/2	266	170	52	64

**XN** Caterpillar® Flange  
90° Elbow



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Flange	A mm	B mm	E mm	F mm
	DN	Inch	Size	mm					
KXNV4-12-12	20	3/4	-12	19.1	3/4	125	63	63	41
KXNV4-16-12	20	3/4	-12	19.1	1	125	63	62	48
KXNV4-16-16	25	1	-16	25.4	1	150	77	74	48
KXNV4-20-16	25	1	-16	25.4	1-1/4	154	81	74	54
KXNV6-20-20	32	1-1/4	-20	31.8	1-1/4	177	86	77	54
KXNV6-24-20	32	1-1/4	-20	31.8	1-1/2	177	86	77	64
KXNV6-24-24	40	1-1/2	-24	38.1	1-1/2	209	113	106	64

Approved fitting series for hose types:

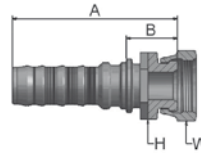
Also available in stainless steel. Details can be found in CAT 4400.1/UK

<b>V4</b>	-10 up to -16 H31 H31TC H31ST R42 R42TC R42ST   -12 up to -20 R35 R35TC H29   all sizes H29TC H29ST H29RH
<b>V6</b>	-24 up to -32 R35 R35TC   -20 up to -32 R42 R42ST R42TC

JC

**Female ORFS  
Swivel – Straight  
Short**

ISO 12151-1 – SWSA  
SAE J516 – ORFS



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
KJCV4-10-10	16	5/8	-10	15.9	1x14	85	25	24	30
KJCV4-12-10	16	5/8	-10	15.9	1-3/16x12	87	27	30	36
KJCV4-10-12	20	3/4	-12	19.1	1x14	91	30	30	30
KJCV4-12-12	20	3/4	-12	19.1	1-3/16x12	93	31	30	36
KJCV4-16-12	20	3/4	-12	19.1	1-7/16x12	93	31	36	41
KJCV4-12-16	25	1	-16	25.4	1-3/16x12	101	29	36	36
KJCV4-16-16	25	1	-16	25.4	1-7/16x12	108	36	36	41
KJCV4-20-16	25	1	-16	25.4	1-11/16x12	120	47	41	50
KJCV4-20-20	32	1-1/4	-20	31.8	1-11/16x12	127	39	46	50
KJCV6-20-20	32	1-1/4	-20	31.8	1-11/16x12	132	41	46	50
KJCV6-24-20	32	1-1/4	-20	31.8	2x12	133	42	50	60
KJCV4-24-24	40	1-1/2	-24	38.1	2x12	131	38	50	60
KJCV6-24-24	40	1-1/2	-24	38.1	2x12	140	44	50	60

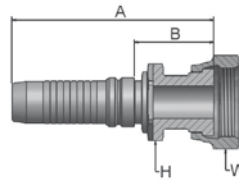
Approved fitting series for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

V4	-10 up to -16 H31 H31TC H31ST R42 R42TC R42ST   -12 up to -20 R35 R35TC H29   all sizes H29TC H29ST H29RH
V6	-24 up to -32 R35 R35TC   -20 up to -32 R42 R42ST R42TC

## JS ORFS Swivel Female (Long)

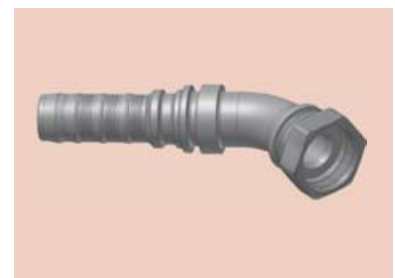
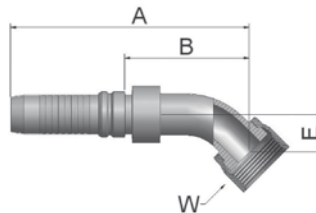
ISO 12151-1-SWSB  
SAE J516 – ORFS



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Thread UNF	A mm	B mm	H mm	W mm
	DN	Inch	Size	mm					
KJSV4-16-16	25	1	-16	25.4	1-7/16x12	121	49	36	41
KJSV4-20-16	25	1	-16	25.4	1-11/16x12	120	48	41	50
KJSV4-20-20	32	1-1/4	-20	31.8	1-11/16x12	137	50	41	50

## J7 Female ORFS – Swivel 45° Elbow

ISO 12151-1 – SWE 45°  
SAE J516 – ORFS 45°



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
KJ7V4-12-10	16	5/8	-10	15.9	1-3/16x12	118	58	21	36
KJ7V4-12-12	20	3/4	-12	19.1	1-3/16x12	128	66	21	36
KJ7V4-16-12	20	3/4	-12	19.1	1-7/16x12	131	70	24	41
KJ7V4-16-16	25	1	-16	25.4	1-7/16x12	152	80	24	41
KJ7V4-20-16	25	1	-16	25.4	1-11/16x12	154	81	26	50
KJ7V4-20-20	32	1-1/4	-20	31.8	1-11/16x12	189	102	30	50
KJ7V6-20-20	32	1-1/4	-20	31.8	1-11/16x12	179	88	33	50
KJ7V6-24-20	32	1-1/4	-20	31.8	2x12	190	99	40	60
KJ7V4-24-24	40	1-1/2	-24	38.1	2x12	218	125	40	60
KJ7V6-24-24	40	1-1/2	-24	38.1	2x12	216	120	40	60

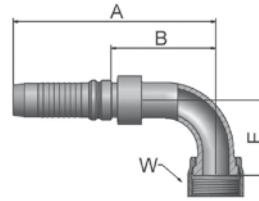
Approved **fitting series** for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

<b>V4</b>	-10 up to -16	H31	H31TC	H31ST	R42	R42TC	R42ST	-12 up to -20	R35	R35TC	H29	all sizes	H29TC	H29ST	H29RH
<b>V6</b>	-24 up to -32														
	R35 R35TC   -20 up to -32														
	R42 R42ST R42TC														

# J9 Female ORFS – Swivel 90° Elbow – Short Drop

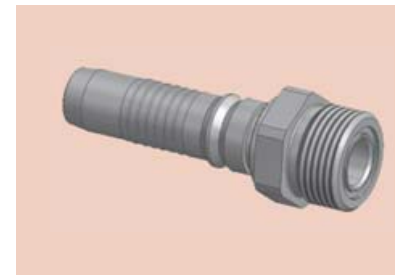
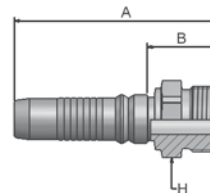
ISO 12151-1 – SWES  
SAE J516 – ORFS 90°



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Thread UNF	A mm	B mm	E mm	W mm
	DN	Inch	Size	mm					
KJ9V4-10-10	16	5/8	-10	15.9	1x14	107	47	32	30
KJ9V4-12-10	16	5/8	-10	15.9	1-3/16x12	108	48	48	36
KJ9V4-12-12	20	3/4	-12	19.1	1-3/16x12	125	63	48	36
KJ9V4-16-12	20	3/4	-12	19.1	1-7/16x12	125	63	56	41
KJ9V4-16-16	25	1	-16	25.4	1-7/16x12	150	78	56	41
KJ9V4-20-16	25	1	-16	25.4	1-11/16x12	150	77	64	50
KJ9V4-20-20	32	1-1/4	-20	31.8	1-11/16x12	186	99	69	50
KJ9V6-20-20	32	1-1/4	-20	31.8	1-11/16x12	177	86	79	50
KJ9V6-24-20	32	1-1/4	-20	31.8	2x12	177	86	70	60
KJ9V4-24-24	40	1-1/2	-24	38.1	2x12	210	117	82	60
KJ9V6-24-24	40	1-1/2	-24	38.1	2x12	202	106	87	60

# JM ORFS Male

ISO 12151-1-S – SAE J516



XXXXX-XX-XX Part Number V4/V6	Hose I.D.				Thread UNF	A mm	B mm	H mm
	DN	Inch	Size	mm				
KJMV4-12-12	20	3/4	-12	19.1	1x14	95	33	32
KJMV4-16-12	20	3/4	-12	19.1	1-7/16x12	98	37	41

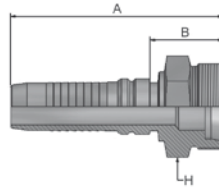
JM fittings are supplied without O-ring.  
Find O-rings in section E. Special O-rings are available on request.





Approved fitting series for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

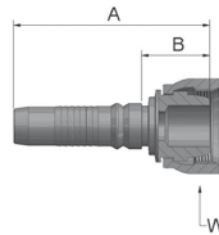
V4	-10 up to -16 H31 H31TC H31ST R42 R42TC R42ST   -12 up to -20 R35 R35TC H29   all sizes H29TC H29ST H29RH
V6	-24 up to -32 R35 R35TC   -20 up to -32 R42 R42ST R42TC





## FG Male French Gas Series Rigid – Straight (24° Cone)



XXXXX-XX-XX Part Number  V4/V6	 Hose I.D.				 Thread metric	Tube O.D. mm	A mm	B mm	 H mm
	DN	Inch	Size	mm					
KFGV4-27-12	20	3/4	-12	19.1	M36x1.5	26.75	94	32	36
KFGV4-33-16	25	1	-16	25.4	M45x1.5	33.5	111	39	46



## F4 Female French Gas Series Swivel – Straight (Ball Nose)



XXXXX-XX-XX Part Number  V4/V6	 Hose I.D.				 Thread metric	Tube O.D. mm	A mm	B mm	 W mm
	DN	Inch	Size	mm					
KF4V4-27-12	20	3/4	-12	19.1	M36x1.5	26.75	90	31	46

Approved **fitting series** for hose types:

Also available in stainless steel. Details can be found in CAT 4400.1/UK

 <b>V4</b>	-10 up to -16 H31 H31TC H31ST R42 R42TC R42ST   -12 up to -20 R35 R35TC H29   all sizes H29TC H29ST H29RH
 <b>V6</b>	-24 up to -32 R35 R35TC   -20 up to -32 R42 R42ST R42TC