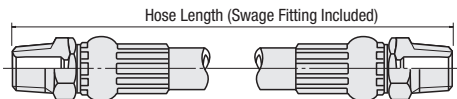


Flexible Fluororesin Hoses

Flexible Fluororesin Hoses



Type	Material		Surface Treatment	Max. Operating Pressure
	Hose	Swage Fittings		
HOSFR HOSFRS	Fluororesin	EN 1.4301 Equiv.	Trivalent Chromate	See Hose Specifications Table
		EN 1.4301 Equiv.	-	



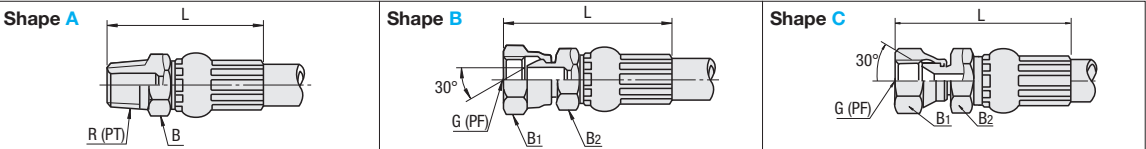
Features

- Excellent in heat resistance and chemical resistance.
- Suitable for use with viscous materials, such as adhesives and paints.

CAUTION

- Avoid using the same hose for steam and water or for steam and nitrogen.

Swage Fitting Shapes



Hose Specifications

Hose Nominal I.D.	Max. Operating Pressure (MPa)	Min. Destructive Pressure (MPa)	Min. Bending Radius (mm)	Approx. Mass (g/m)
4	20.5	82.0	51	105
6	20.5	82.0	76	120
8	17.0	68.0	102	145

Swage Fittings Size List

Hose Nominal I.D.	R (PT) G (PF)	Shape A			Shape B			Shape C		
		B (Wrench Flats)	L	B ₁ (Wrench Flats)	B ₂ (Wrench Flats)	L	B ₁ (Wrench Flats)	B ₂ (Wrench Flats)	L	B ₁ (Wrench Flats)
4	1/4	17	43	19	17	48	19	17	48	19
6	1/4	17	43	19	17	48	19	17	48	19
8	3/8	19	48	22	19	53	22	19	53	19

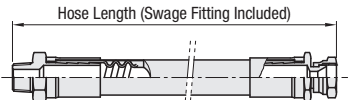
Part Number	Type	Hose Nominal I.D.	Hose Length 0.1m Increment	Left End Swaged Shape	Right End Swaged Shape	Hose I.D. (mm)	Hose O.D. (mm)	Unit Price	
								Hose Unit Price/m	Additional Charge for Both Ends Swaged Fittings
HOSFR HOSFRS		4	0.3~20.0	LA LB LC	RA RB RC	4.8	7.7		
		6				6.4	9.5		
		8				7.9	10.9		

Ordering Example: Part Number - Hose Length - Shape L - Shape R
HOSFR6 - 1.0 - LA - RB

Flexible Fluororesin Hoses High-Flex



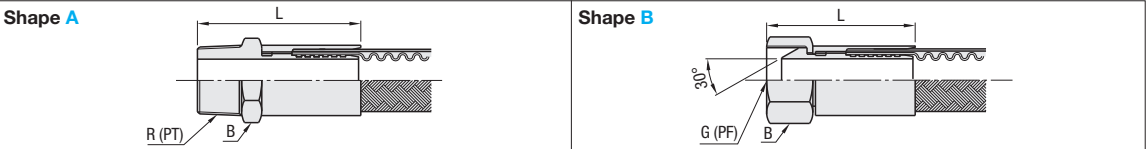
Type	Material		Applicable Fluids	Operating Temperature Range	Max. Operating Pressure
	Hose	Wire Braided			
HOSJRS	Fluororesin	EN 1.4301 Equiv.	Air, Gas, Water, Solvent	-100~120°C	See Hose Specifications Table
		EN 1.4301 Equiv.			



Features

- Spiral corrugated hose provides superior flexibility.
- Suitable for high vibration environment and applications where damages from deformation are expected.

Swage Fitting Shapes



Hose Specifications

Hose Nominal I.D.	I.D. (mm)	O.D. (mm)	Min. Bending Radius (mm)	Max. Operating Pressure (MPa)
6A	4.0	7.0	20	3.0
8A	5.0	8.5	20	2.5
10A	9.0	13.0	25	2.0
15A	11.0	16.5	30	2.0

Swage Fittings Size List

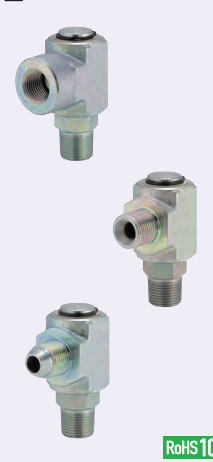
Hose Nominal I.D.	R (PT) G (PF)	Shape A		Shape B	
		B (Wrench Flats)	L	B (Wrench Flats)	L
6A	1/8	12	39	14	37
8A	1/4	14	47	17	43
10A	3/8	19	53	21	49
15A	1/2	24	60	26	57

Part Number	Type	Hose Nominal I.D.	Hose Length 0.1m Increment	Left End Swaged Shape	Right End Swaged Shape	Hose Unit Price/0.1m	Unit Price	
							Unit Price of One End Swaged Fitting	Unit Price of Two End Swaged Fittings
HOSJRS		6A	0.3~2.0	LA LB	RA RB			
		8A						
		10A						
		15A						

Ordering Example: Part Number - Hose Length - Shape L - Shape R
HOSJRS8A - 1.5 - LB - RA

Swivel Joints / Swivel Fittings for Hydraulic Fluids

Swivel Joints



Type	M	Material	S	Surface Treatment	Max. Operating Pressure
SJS		EN 1.1191 Equiv.		Trivalent Chromate	20.6MPa

SJSA

Technical drawing of valve SJSA. Dimensions include: d, Rc (PT), L3, L1, L2, a, h, R (PT), b.

SJSB

Technical drawing of valve SJSB. Dimensions include: d, 30°, G (PF), L3, L1, L2, a, h, R (PT), b.

SJSC

Technical drawing of valve SJSC. Dimensions include: d, 30°, G (PF), L3, L1, L2, a, h, R (PT), b.

Ordering Example: Part Number
SJSB3

Swivel Fittings for Hydraulic Fluids Elbow



Type	Material	Surface Treatment	Max. Operating Pressure
KCLP	EN 1.0038 Equiv.	Zinc Plating	20.6MPa
SKCLP	EN 1.4301 Equiv.	-	

KCLPFP
SKCLPFP

Type	No.	T (PT)	F (PF)	L	ℓ ₁	ℓ ₂	C	E	B	Unit Price	Volume Discount Rate
KCLPFP SKCLPFP	2	1/4	1/4	52	13	16	24	14	19		
	3	3/8	3/8	57	15	18	28	20	22		
	4	1/2	1/2	66	18	20	32	24	27		

KCLPF
SKCLPF

Type	No.	T (PT)	F (PF)	L	ℓ ₁	ℓ ₂	C	E	B	Unit Price	Volume Discount Rate
KCLPF SKCLPF	2	1/4	1/4	52	13	13	21	14	19		
	3	3/8	3/8	57	15	14	24	20	22		
	4	1/2	1/2	66	18	17	29	24	27		

KCLPT
SKCLPT

Type	No.	T ₁ (PT)	F ₂ (PF)	L	ℓ ₁	ℓ ₂	C	E	B	Unit Price	Volume Discount Rate
KCLPT SKCLPT	2	1/4	1/4	53	13	18	19	19	19		
	3	3/8	3/8	59	15	18	23	22	22		
	4	1/2	1/2	69	18	26	30	27	27		

Swivel Fittings for Hydraulic Fluids Straight



Type	Material	Surface Treatment	Max. Operating Pressure
SKCR	EN 1.4301 Equiv.	-	20.6MPa

SKCRGP

SKCRGF

SKCRCT

Ordering Example: Part Number
KCLPFP4

Part Number	Type	No.	R (PT)	d	L ₁	L ₂	L ₃	a	h	h	Unit Price	Volume Discount Rate
SJSA		2	1/4	5	19.5	31.5	30	6.01	22	14		
		3	3/8	8	22	35.7	30	6.35	27	19		
		4	1/2	11.5	24	40.3	35	8.16	32	22		
		6	3/4	16	30	48.5	42	9.53	41	30		
SJSB		2	1/4	5	19.5	31.5	29	6.01	22	14		
		3	3/8	8	22	35.7	30	6.35	27	19		
		4	1/2	11.5	24	40.3	35	8.16	32	22		
		6	3/4	16	30	48	41	9.53	41	30		
SJSC		2	1/4	5	19.5	31.5	30	6.01	22	14		
		3	3/8	8	22	35.7	33	6.35	27	19		
		4	1/2	11.5	24	40.3	38	8.16	32	22		
		6	3/4	16	30	48.5	42.0	9.53	41	30		

Features

- Joints capable of slow or reciprocating rotary motion.
- They can be used for joining fixed plumbing hoses and hydraulic hoses.

Specifications

- Applicable Fluid : Oil (-20°C ~ 95°C)
- Oscillating Angle : 360°
- Oscillating Speed : 25 cycles/min. (when Vibrating Angle is 110°)

For orders larger than indicated quantity, please check with WOS.

Part Number	Type	No.	T (PT)	F (PF)	L	ℓ ₁	ℓ ₂	C	E	B	Unit Price	Volume Discount Rate
KCLPFP SKCLPFP		2	1/4	1/4	52	13	16	24	14	19		
		3	3/8	3/8	57	15	18	28	20	22		
		4	1/2	1/2	66	18	20	32	24	27		
		6	3/4	3/4	84	21	22	40	27	30		

Part Number	Type	No.	T (PT)	F (PF)	L	ℓ ₁	ℓ ₂	C	E	B	Unit Price	Volume Discount Rate
KCLPF SKCLPF		2	1/4	1/4	52	13	13	21	14	19		
		3	3/8	3/8	57	15	14	24	20	22		
		4	1/2	1/2	66	18	17	29	24	27		
		6	3/4	3/4	84	21	22	40	27	30		

Part Number	Type	No.	T ₁ (PT)
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