

Flexible Hoses

High / Medium Pressure Type

Flexible Hoses – High Pressure Type

Type	Material			Applicable Fluids	Operating Temperature Range	Max. Operating Pressure
	Hose	Swage Fittings	Seal Areas			
HOSLTR	304 Stainless Steel	304 Stainless Steel	Silicone Rubber	Steam, Water, Oil, Air, Gas	-50~280°C (Steam: 150°C or less)	See References Table.

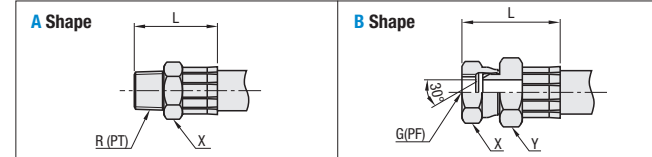
Application
– General purpose plumbing, such as control of pipe displacement.

Purposes of Use
– Plumbing in places where ambient temperature is high (with vapor etc.).
– Plumbing to absorb variation in elongation of pipe due to temperature change.

Features
– Excellent in heat resistance and pressure resistance.

CAUTION
– Avoid use in places where hose is constantly moved.

Swage Fitting Shapes



Swage Fitting Size List

Hose Nominal I.D.	R (PT) G (PF)	A Shape			B Shape		
		X (Wrench Flats)	L	Y (Wrench Flats)	L	Y (Wrench Flats)	L
8A	1/4	17	36	17	19	41	
10A	3/8	19	38	19	22	43	
15A	1/2	22	45	22	27	49	
20A	3/4	30	64	30	36	68	
25A	1	36	68	36	41	72	

Hose Dimensions

Hose Nominal I.D.	I.D. (mm)	Min. Bending Radius (mm)	Max. Operating Pressure (Mpa)
8A	7.0	25	6.4
10A	10.5	30	6.4
15A	13.2	35	4.4
20A	19.2	40	3.4
25A	25.5	50	3.4

- ⊕ Not applicable for air conditioner cooling medium, etc.
- ⊕ Not applicable for trichloroethane (aromatic materials).
- ⊕ Not applicable for fuel oils.
- ⊕ For gases, operating pressure is 1.5 MPa or less.

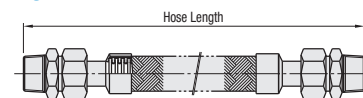
Part Number	Hose Length 0.1 m Increment	L Left End Swaged Shape	R Right End Swaged Shape	Hose I.D. (mm)
HOSLTR	0.3~5.0	LA LB	RA RB	7.0 10.5 13.2 19.2 25.5

⊕ Hose length includes the Swage Fittings.

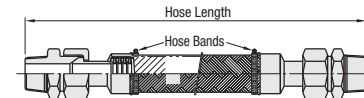
Flexible Hoses – Medium Pressure Type

Type	Material		Applicable Fluids	Operating Temperature Range	Max. Operating Pressure
	Hose	Metal Fitting			
HOEMF	304 Stainless Steel	304 Stainless Steel	Steam, Air, Gas, Water and Oil	0~200°C	2.0 MPa
HOEMFG	304 Stainless Steel + Glass Cloth + Hose Clamps (2 pcs.)	304 Stainless Steel	Steam, Air, Gas, Water and Oil	0~200°C	2.0 MPa

HOEMF



HOEMFG

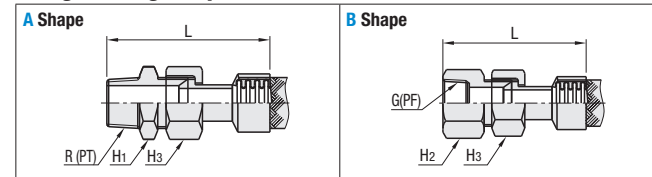


Application
– General purpose plumbing, such as control of pipe displacement.

Features
– Lightweight compared to High Pressure Type.
– Positive Metal Seat Type which requires no maintenance.

Purposes of Use
– General purpose plumbing, such as control of pipe displacement.

Swage Fitting Shapes



Swage Fitting Size List

Hose Nominal I.D.	R(PT) Rc(PT)	A Shape			B Shape		
		H1	H2	L	H2	H3	L
8A	1/4	14	17	61	17	17	61
10A	3/8	17	21	63	21	21	63
15A	1/2	22	26	73	26	26	73
20A	3/4	27	32	77	32	32	77
25A	1	35	38	90	38	38	90

Hose Dimension Table

Hose Nominal I.D.	I.D. (mm)	O.D. (mm)	Min. Bending Radius (mm)	Spring Constant (N/mm)	Max. Operating Pressure (Mpa)
8A	7.2	12.1	25	1677.1	2.0
10A	10.5	16.3	35	2494.1	
15A	13	19.6	50	1894.1	
20A	19	26.9	65	3789.9	
25A	25.2	34	80	2550.1	

Part Number	Hose Length 0.1 m Increment	L Left End Swaged Shape	R Right End Swaged Shape
HOEMF HOEMFG Glass Cloth Protection	0.3~2.0	LA LB	RA RB

⊕ Hose length includes the Swage Fittings.

Part Number Example: HOSLTR8A - 1.0 - LA - RB

Flexible Hoses

Low Pressure (Non-Welded) Type

Flexible Hoses – Low Pressure (Non-Welded) Type – PT Female / PT Female

Type	Material		Applicable Fluids	Operating Temperature Range	Max. Operating Pressure
	Hose	Union Fitting			
HOELF	304 Stainless Steel	FCMB	Steam, Air, Gas, Water, Oil	0~100°C	1.0 MPa
HOELFS	304 Stainless Steel	CF-8 Stainless Steel Cast (304 Stainless Steel)			

Features
– Excellent in corrosion resistance, as joint of fittings is not welded.
– Suitable to absorb vibration.
– Metal hex portions are swivable and thus, facilitate installation.

Purposes of Use
– General purpose plumbing, such as control of pipe displacement.

CAUTION
– Tolerance of a hose length is 0~3% of the full length.
*H₁ and H₂ are the dimensions for CF-8 Stainless Steel Cast (304 Stainless Steel).

Hose Dimensions

Hose Nominal I.D.	I.D. (mm)	O.D. (mm)	Min. Bending Radius (mm)	Spring Constant (N/mm)	Max. Operating Pressure (Mpa)
10A	17	23	60	1534.6	1.0
15A	19.2	25	65	1858.2	
20A	24.1	31	80	1179.9	
25A	29.5	39	100	1510.6	
32A	38.6	47.5	120	1785	
40A	44.8	54	120	3471	
50A	56.4	66	140	3684	

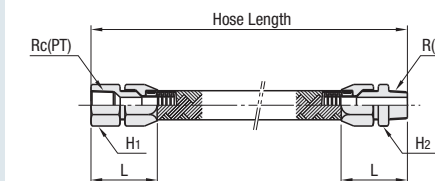
Swage Fitting Size List

Hose Nominal I.D.	Rc (PT)	L	H ₁	H ₂
10A	3/8	33	23	37
15A	1/2	39	27	42
20A	3/4	40	33	49
25A	1	49	41	59
32A	1 1/4	53	50	69
40A	1 1/2	58	56	78
50A	2	65	69	93

Part Number	Hose Length 0.1 m Increment
HOELF HOELFS	0.3~2.0

Flexible Hoses – Low Pressure (Non-Welded) Type – PT Male / PT Female

Type	Material		Applicable Fluids	Operating Temperature Range	Max. Operating Pressure
	Hose	Union Fitting			
HOEJF	304 Stainless Steel	FCMB	Steam, Air, Gas, Water, Oil	0~100°C	1.0 MPa
HOEJFS	304 Stainless Steel	CF-8 Stainless Steel Cast (304 Stainless Steel)			



Features
– Excellent in corrosion resistance, as joint of fittings is not welded.
– Suitable to absorb vibration.
– Gasketless design.

Purposes of Use
– General purpose plumbing, such as control of pipe displacement.

CAUTION
– Tolerance of a hose length is 0~3% of the full length.

Hose Dimensions

Hose Nominal I.D.	I.D. (mm)	O.D. (mm)	Min. Bending Radius (mm)	Spring Constant (N/mm)	Max. Operating Pressure (Mpa)
10A	10.5	16.3	35	2494.1	1.0
15A	13	19.6	50	1894.1	
20A	19	26.9	65	3789.9	
25A	25.2	34	80	2550.1	

Swage Fitting Size List

Hose Nominal I.D.	R (PT) Rc (PT)	L	H ₁	H ₂
10A	3/8	51.0	24	19
15A	1/2	56.5	27	24
20A	3/4	61.5	32	27
25A	1	68.5	41	35

Part Number	Hose Length 0.1 m Increment
HOEJF HOEJFS	0.3~2.0

Part Number Example: HOELF10A - 1.0, HOEJFS25A - 0.5