

Fluoro Resin Hoses

High-Flex

Fluoro Resin Hoses – High-Flex Type

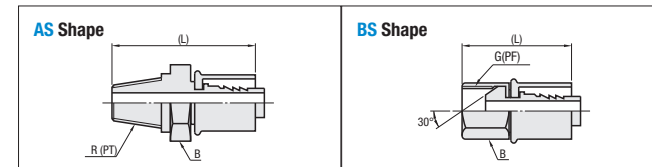
Type			Material			
Hose Only	One End Fitting	Both Ends Fitting	Hose Interior	Reinforcement	Hose Exterior	Fittings
HOJFR	HOJFRK	HOJFRR	Fluorine Resin	Polyester Yarn	Urethane Yarn Elastomer	304 Stainless Steel
HOJSR	—	HOJSRR		SST Spring Wire	Ethylene Tetra Fluoro Ethylene (ETFE)	

Structure

HOJFR: Reinforcement Yarn, Urethane Type Elastomer, Ethylene Tetra Fluoro Ethylene (ETFE)

HOJSR: SST Spring Wire, Urethane Type Elastomer, Ethylene Tetra Fluoro Ethylene (ETFE)

Swage Fitting Shapes



Part Number		Hose Length 0.1 m Increment	L Left End Swaged Shape	R Right End Swaged Shape
Type	Hose Nominal I.D.			
Reinforcing Type HOJFR HOJFRK HOJFRR	9	0.3–20.0	LAS LBS	RAS RBS
	12			
	15			
	19			
	25			
Spring Type HOJSR HOJSRR	12	0.3–20.0	LAS LBS	RAS RBS
	15			
	19			
	25			

⊙ For One End Swaged, specify LAS and LBS.
⊙ Swage fitting is not available for hose with I.D. 15.

Part Number Example

Part Number	-	Hose Length	-	Shape L	-	Shape R
HOJFRK19	-	5.0	-	LBS	-	RBS
HOJFRR9	-	2.0	-	LAS	-	RBS

Swage Fitting Size List

Hose Nominal I.D.	R (PT) G (PF)	AS Shape		BS Shape	
		B (Wrench Flats)	(L)	B (Wrench Flats)	(L)
9	3/8	19	44	22	40
12	1/2	22	51	27	46
19	3/4	27	64	32	58
25	1	35	75	38	70

Hose Specifications

Hose Nominal I.D. mm	Hose I.D. mm	Hose O.D. mm	Reinforcement		Spring Type				
			Min. Bending Radius mm	Operating Pressure (MPa)		Min. Bending Radius mm	Operating Pressure (MPa)		
				20°C	70°C		20°C	70°C	
9	9	15	63	0–1.0	0–0.5	—	—	—	—
12	12	18	84			50	—	—	
15	15	22	105			60	-0.1–0.5	-0.1–0.25	
19	19	26	133			75	—	—	
25	25	33	175			100	-0.1–0.4	-0.1–0.2	

Features

- Being superior in flexibility, it improves operating efficiency.
- Features non-viscous property and easy to wash.
- Excellent in chemical resistance and transparency.
- Conforms to Food Sanitation Laws.

Specifications

Applicable Fluid	Water, Air, Oil, Solvent, Powder
Operating Temperature Range	-20–70°C (Not to be frozen)
Normal Operating Pressure	See References Tabl

Fluoro Resin Hoses

Conductive

Fluoro Resin Hoses – Conductive Type

Type	Material		
Hose Only	Hose Interior	Reinforcement	Hose Exterior
HOEFR	Fluoro Resin (4 fluoride)	Polyester Yarn	Polyurethane Resin

Structure

Polyurethane Resin, Polyurethane Resin, Fluoro Resin (4 fluoride), Polyester Yarn

Type	Part Number		Hose Length 0.1 m Increment
	Hose Nominal I.D.		
HOEFR	12	0.5–20.0	
	15		
	19		
	25		

Part Number Example

Part Number	-	Hose Length
HOEFR12	-	10.0

Hose Specifications

Hose Nominal I.D. mm	Hose I.D. mm	Hose O.D. mm	Min. Bending Radius mm	Reinforcement Operating Pressure (Mpa)	
				23°C	70°C
				12	12
15	15	22	105		
19	19	26	135		
25	25	33	175	0–0.6	0–0.3

Features

- Prevents trouble caused by electrostatic discharge.
- Conforms to Food Sanitation Laws.
- Smooth interior surface helps transfer of high viscosity fluids efficiently, and makes cleaning easy with little residual fluids.

Specifications

Applicable Fluid	Water, Air, Oil, Solvent, Powder
Operating Temperature Range	-5–70°C
Normal Operating Pressure	Depends on size & temperature