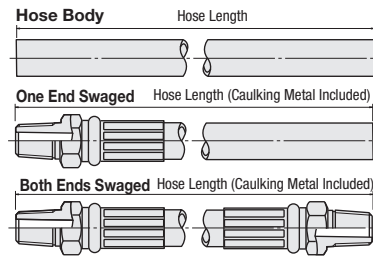


# Non-PVC Hoses

-Standard / Vacuum-

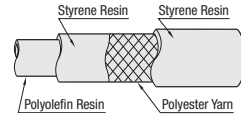
## Non-PVC Hoses

Type			Material	
Hose Only	One End Swaged	Both Ends Swaged	Main Material	Reinforcement
<b>HOSPW</b>	<b>HOSPWK</b>	<b>HOSPWR</b>	Polyolefin+Styrene Resin	Polyester Yarn
<b>SNHRW</b>	<b>SNHRWK</b>	<b>SNHRWR</b>	Polyolefin+Styrene Resin	Polyester Yarn
<b>SNHB</b>	<b>SNHBK</b>	<b>SNHBR</b>	Polyolefin+Styrene Resin	Hard Steel Wire

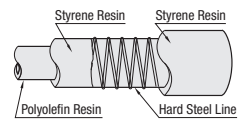


### Structure

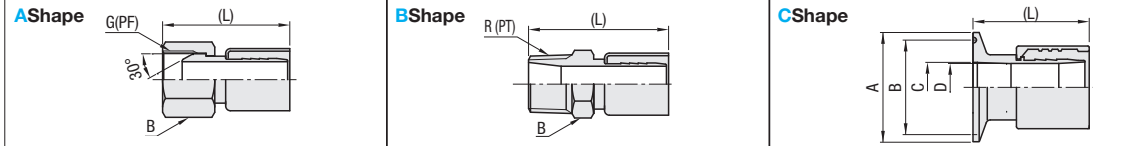
**HOSPW**  
**SNHRW**



**SNHB**



## Swage Fitting Shapes



## Swage Fitting Shapes

Hose Nominal Inner Dia.	R (PT) G (PF)	A Shape		B Shape	
		B (Width Across Flats)	L	B (Width Across Flats)	L
6	1/4	14	43	17	37
9	3/8	17	47	19	43
12	1/2	22	53	24	49
19	3/4	27	65	30	59

Hose Nominal Inner Dia.	C Shape				
	A	B	C	D	L
1S	50.5	43.5	23	22	56
1.5S	50.5	43.5	35.7	34	73
2S	64	56.5	47.8	46	75

## Hose Specifications

No.	HOSPW HOSPWR						Operation Temperature Range
	Inner Diameter (mm)	Outer Diameter (mm)	Thickness (mm)	Min. Bending Radius (mm)	Operating Pressure Mpa		
6	6	11	2.5	25	0~1.0	0~0.5	-5~60°C
9	9	15	3	50	0~0.8	0~0.5	
12	12	18	3	70	0~0.8	0~0.4	
19	19	26	3.5	130	0~0.8	0~0.4	
1S	25	33	4	170	0~0.5	0~0.3	
1.5S	38	48	5	230	0~0.4	0~0.2	
2S	50	62	6	290	0~0.3	0~0.2	

No.	SNHB SNHBR						Operation Temperature Range
	Inner Diameter (mm)	Outer Diameter (mm)	Thickness (mm)	Min. Bending Radius (mm)	Operating Pressure Mpa		
1S	25.0	33.0	4.0	180	-0.1~0.3	-0.1~0.1	-5~60°C
1.5S	38.0	48.0	5.0	390	-0.1~0.3	-0.1~0.1	
2S	50.0	62.0	6.0	520	-0.1~0.2	-0.1~0.1	

Part Number	Type	Hose Nominal Inner Dia.	Hose Length 0.1m Increment	Swage	
				L Left End Swaged	R Right End Swaged
<b>HOSPW</b>	(Hose Only)	6	0.3~20.0	LA	RA
<b>HOSPWK</b>	(One End Swaged)	9			
<b>HOSPWR</b>	(Both Ends Swaged)	12			
		19			
<b>SNHRW</b>	(Hose Only)	1S	0.5~5.0	LC	RC
<b>SNHRWK</b>	(One End Swaged)	1.5S			
<b>SNHRWR</b>	(Both Ends Swaged)	2S			
<b>SNHB</b>	(Hose Only)	1S	0.5~5.0	LC	RC
<b>SNHBK</b>	(One End Swaged)	1.5S			
<b>SNHBR</b>	(Both Ends Swaged)	2S			

Order Example

Part Number	-	Hose Length	-	Shape L	-	Shape R
<b>HOSPW6</b>	-	1.5	-	LC	-	RA
<b>SNHRWK1.5S</b>	-	2.0	-	LC	-	RC
<b>SNHBR2S</b>	-	1.0	-	LC	-	RC

### Feature of HOSPW and SNHRW

- Contains no chlorine ingredients.
- Semi-transparent wall enabling the transfer of materials to be observed
- Conforms to Food Sanitation Laws.

### Features of SNHB

- Contains no chlorine ingredients.
- Conforms to Food Sanitation Laws.
- Reinforcement wire of hard steel provides high level of deformation resistance to enable vacuum.

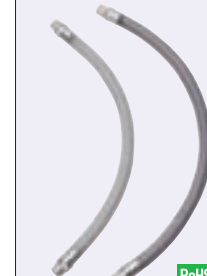
### CAUTION

- Do not use with fuel oils or solvents.
- Cleanse inside the hose before using with drinking water or food.
- For food plumbing, metal shape C is recommended for its safety in sanitary respect.
- Hoses shown above are for indoors only.
- Do not soak hoses or joints in drinking water, food or fluids. Fluid may remain behind the joint and unwanted bacteria may adhere to it.

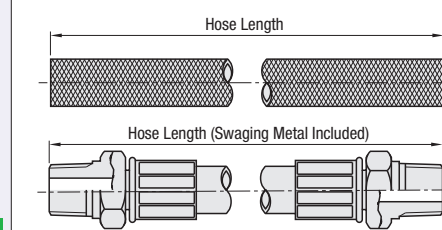
# Fluororesin Hoses

-High-Flex Type / Conductive Type-

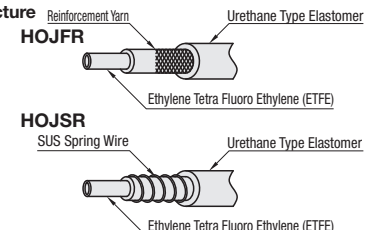
## Fluororesin Hoses -High-Flex Type-



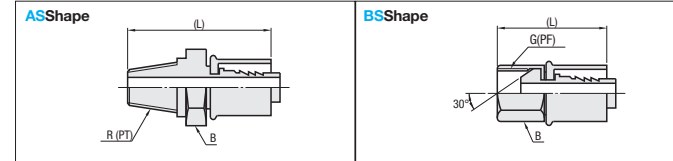
Type			Material	
Hose Only	One End Swaged	Both Ends Swaged	Hose Interior	Reinforcement
<b>HOJFR</b>	<b>HOJFRK</b>	<b>HOJFRR</b>	Fluorine Resin	Polyester Yarn
<b>HOJSR</b>	-	<b>HOJSRR</b>	Fluorine Resin	SUS Spring Wire



### Structure



## Swage Fitting Shapes



## Swaging Part Size List

Hose Nominal Inner Dia.	R (PT) G (PF)	AS Shape		BS Shape	
		B (Width Across Flats)	L	B (Width Across 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 Inner Diameter mm	Hose Inner Diameter mm	Hose Outer Diameter mm	Reinforcement		Spring		
			Min. Bending Radius mm	Operating Pressure Mpa	Min. Bending Radius mm	Operating Pressure Mpa	
9	9	15	63	0~1.0	0~0.5	-	-
12	12	18	84	0~1.0	0~0.5	50	-
15	15	22	105	0~0.6	0~0.3	60	-1~0.5
19	19	26	133	0~0.6	0~0.3	75	-1~0.25
25	25	33	175	0~0.6	0~0.3	100	-1~0.4

### 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.

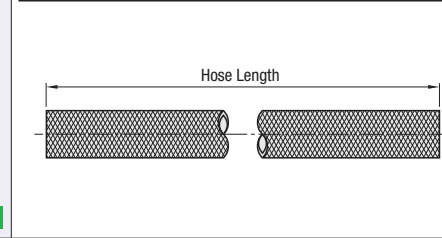
### Specifications

Applicable Fluid	Water, Air, Oil, Solvent, Powder
Operation Temperature Range	-20 ~ 70°C (Not to be frozen)
Normal Operating Pressure	Depends on size & temperature

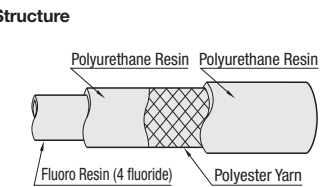
## Fluororesin Hoses -Inductive Type-



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



### Structure



Type	Hose Nominal Inner Dia.	Hose Length 0.1m Increment	Swage	
			L Left End Swaged	R Right End Swaged
<b>HOEFR</b>	12	0.5~20.0	LBS	RBS
	15			
	19			
	25			

Order Example

Part Number	-	Hose Length	-	Shape L	-	Shape R
<b>HOJFRK19</b>	-	5.0	-	LBS	-	RBS
<b>HOJFRR9</b>	-	2.0	-	LAS	-	RBS
<b>HOEFR12</b>	-	10.0	-		-	

## Hose Specifications

Hose Nominal Inner Diameter mm	Hose Inner Diameter mm	Hose Outer Diameter mm	Reinforcement	
			Min. Bending Radius mm	Operating Pressure Mpa
12	12	18	85	0~1.0
15	15	22	105	0~1.0
19	19	26	135	0~0.6
25	25	33	175	0~0.6

### 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
Operation Temperature Range	-5 ~ 70°C
Normal Operating Pressure	Depends on size & temperature