


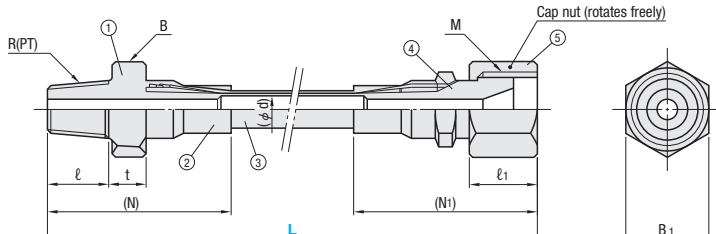
MOLD-COOLING FLEXIBLE HOSES

PLUGS FOR HIGH-TEMPERATURE HOSE

Ⓜ Non JIS material definition is listed on P.1351 - 1352



FSHP




Cap nut (rotates freely)

Special Plugs
FSHG FSHGR
FSHL FSHLR FSHLS

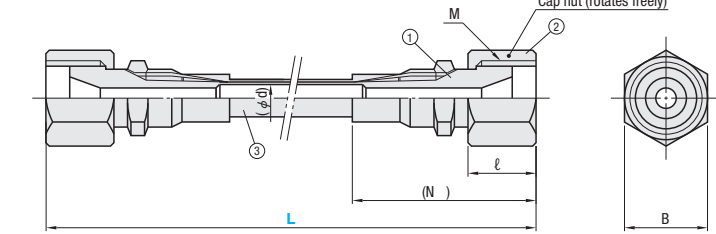
Ⓜ ① Nipple C3604
 ② Collar C3604
 ③ Wire braid SUS304
 ④ Sleeve C3604
 ⑤ Cap nut C3604

Thread JIS B0203 tapered thread for tube R(PT)

R(PT)	N	l	t	B (side to side)	Internal diameter of Hose φ d	M×Pitch	N ₁	l ₁	B ₁	L		
										Part Number Type	No.	Selection
1/8	34.5	10	6	14	4.70	M12×1.25	41.0	16	16	200~700	800~1000	1200 1500
1/4	42.0	12	7	17	7.92	M16×1.5	48.0	21	21			
3/8	46.5	13	8	19	10.31	M20×1.5	49.5	19	24			



FSHF



Cap nut (rotates freely)

Special Plugs
FSHG FSHGR
FSHL FSHLR FSHLS

Ⓜ ① Sleeve C3604
 ② Cap nut C3604
 ③ Wire braid SUS304


Internal diameter of Hose φ d	M×Pitch	N	l	B	L		
					Part Number Type	No.	Selection
4.70	M12×1.25	41	16	16	200~500	600~1000	1200 1500
7.92	M16×1.5	48	18.5	21			

Order **Part Number** — **L**
FSHP 1 — **900**

Days to Ship **Quotation**

Price **Quotation**

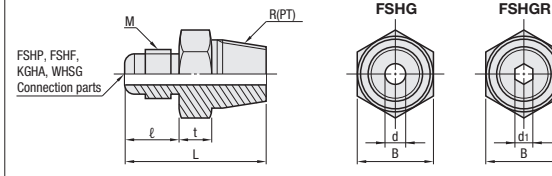
- Features**
 This flexible hose is much more flexible than conventional metal flexible hoses. The pipe consists of Teflon which is extrusion-molded and braided tightly, so it has greatly improved impact pressure resistance.
- Heat resistance and cold resistance**
 Can be used continuously at temperature range of -54°C ~ +200°C. However, this applies only to this product on its own.
- Non-absorptive**
 Teflon® does not absorb moisture, so fluid does not ooze out from the pipe side.
- Storage life**
 Teflon® is small and its life remains unchanged under all weather conditions.
 ※ Teflon® is the product name for polytetrafluoroethylene resin made by the U.S. Dupont corporation. This product uses Dupont's genuine Teflon.
- Specifications**
- | Size | 1/8 | 1/4 | 3/8 |
|---|----------------|-----------|-----------|
| Working pressure (MPa) (kgf/cm ²) | 10.3(105) | 17.2(175) | 13.8(140) |
| Destructive pressure (MPa) (kgf/cm ²) | 20.6(210) | 82.3(840) | 55.2(562) |
| Min. bend radius (mm) | 50.0 | 102 | 132 |
| Usable temperature range (standalone use) | -54°C ~ +200°C | | |
| External diameter of hose (mm) | (8.0) | (11.3) | (13.94) |
| Vacuum application | Unsuitable | | |
- ※ Values in () are for reference only.



RoHS

Ⓜ FSHG not conform to RoHS.

FSHG (Plugs for WHSG, FSHP, FSHF, KGHA)
FSHGR (Hexagonal hole type) (Plugs for FSHP, FSHF, KGHA, WHSG)




FSHP, FSHF, KGHA, WHSG Connection parts

Ⓜ Brass (C3604)
 Thread JIS B0203 tapered thread for tube R(PT)

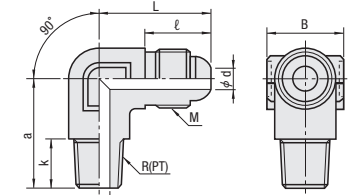
Ⓜ Can be used for FSHP, FSHF, KGHA, WHSG only.

φ d	Od	t	L	l	B	M×Pitch	R(PT)	Part Number		U/Price 1~9
								Type	No.	
4	5	6	29	13	14	M12×1.25	1/8	FSHG FSHGR	1	Quotation
6	6	8	36	15	17	M16×1.5	1/4			
9	10	8	36	21	21	M20×1.5	3/8			




RoHS

FSHL (Plugs for WHSG, FSHP, FSHF, KGHA)



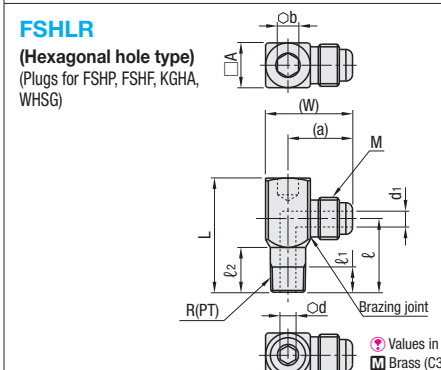
Ⓜ Brass (C3604)
 Thread JIS B0203 tapered thread for tube R(PT)

φ d	k	a	L	l	B	M×Pitch	R(PT)	Part Number		U/Price 1~9
								Type	No.	
4	10	22	22	13	14	M12×1.25	1/8	FSHL	2	Quotation
6	13	28	28	15	17.5	M16×1.5	1/4			
9	13	33	33	15	21.7	M20×1.5	3/8			



RoHS

FSHLR (Hexagonal hole type) (Plugs for FSHP, FSHF, KGHA, WHSG)



Ⓜ Brass (C3604)
 Ⓢ Electroless nickel plated

Ⓜ Values in () are reference only.
 Ⓜ Keep water temperature under 120°C.
 Ⓜ Notes on installing flexible hose
 When installing the flexible hose, be sure to use monkey spanner, etc. to hold down "Z" section.

Ⓜ Brass (C3604)
 O-ring (Fluoric rubber)
 Thread JIS B0203 tapered thread for tube R(PT)

□ A	d ₁	Hexagonal wrench socket		L	(W)	l	l ₁	l ₂	(a)	R(PT)	M×Pitch	Part Number		U/Price 1~9
		○ d	○ b									Type	No.	
14	5	6	6	34	28	22	9	13	21	1/8	M12×1.25	FSHLR	1	Quotation
17	6	6	8	43	33	28	11	17	24.5	1/4	M16×1.5			

H	d ₁	Hexagonal wrench socket		L	W	l	l ₁	(a)	R(PT)	M×Pitch	Part Number		U/Price 1~9
		○ d	○ b								Type	No.	
20	5	6	6	35.5	33.5	26	9.5	24	1/8	M12×1.25	FSHLS	1	Quotation
	6	8	8	38.5	35	29	12.5	25.5	1/4	M16×1.5			

Ⓜ Use in atmospheric pressure 980kPa (10kgf/cm²) or lower.

Notes
 When installing the dedicated plug (FSHG, FSHGR, FSHL, FSHLR, FSHLS) to the cap nut of the flexible hose (FSHP, FSHF) and rubber hoses (KGHA, WHSG), do not use seal material to the dedicated plug side (male screw part) which may cause liquid leakage or damage as the seal tape interrupts the connection of plug and cap nut.

Also, when fastening the dedicated plug by cap nut, half-turn the cap nut slightly from the original position by turning it by hand. Further turning may cause liquid leakage as the sleeve inside the cap nut to be cracked.

Order **Part Number**
FSHG 2
FSHLR 1

Days to Ship **Quotation**

Price **Quotation**