

# Mold-Cooling Flexible Hoses (Stainless Steel)

—Heat resistance 180°C Flexible type—

Only SUS-TKMM and SUS-TKMF plugs are applicable to SUS-TKHP and SUS-TKHF.

RoHS

**SUS-TKHP** (One end male/female)

The core rod has a hexagonal part only for No.1 and No.2

**Special Plugs (P. 1230)**  
SUS-TKMM  
SUS-TKMF

**Material**

① Nipple	SUS304
② Collar	
③ Wire braid	
④ Sleeve	
⑤ Cap nut	
⑥ Hose	PTFE

Thread JIS B0202 parallel thread for tube G(PF)  
JIS B0203 tapered thread for tube R(PT)

**SUS-TKHF** (Both ends female)

R (PT)	(N)	ℓ	t	B (Allen side)	Internal diameter of Hose (φ d)	External diameter of hose (D)	G (PF)	(N <sub>1</sub> )	ℓ <sub>1</sub>	B <sub>1</sub> (Allen side)	Part Number		L
											Type	No.	
1/8	40	9	5	14	7.4	11.3	1/8	47	7	14	SUS-TKHP (Male and female plugs)	1	200~1000
1/4	43	12	5	14	7.4	11.3	1/4	49	8	17	SUS-TKHF (Both ends female)	2	
3/8	49	13	6	19	9.5	14.5	3/8	51	16	21		3	

Part Number		Unit price for 1~19 pcs.																
Type	No.	L200~240	L250~290	L300~340	L350~390	L400~440	L450~490	L500~540	L550~590	L600~640	L650~690	L700~740	L750~790	L800~840	L850~890	L900~940	L950~990	L1000
SUS-TKHP (Male and female plugs)	1																	
	2																	
	3																	
SUS-TKHF (Both ends female)	1																	
	2																	
	3																	

- Use SUS-TKHP and SUS-TKHF with care, because the cap nut shape differs from mold-cooling flexible hoses (FSHP, FSHF).
- Use the special plugs (SUS-TKMM, SUS-TKMF) for SUS-TKHP and SUS-TKHF.
- Plugs for high-temperature hose (FSHG, FSHGR, FSHL, FSHLR, FSLS) cannot be used.

Order **Part Number** — **L**  
SUS-TKHP 1 — 900

Days to Ship **Quotation**

**Specifications**

Model Number	SUS-TKHP (Male and female plugs) SUS-TKHF (Both ends female)		
R (PT)	1/8	1/4	3/8
Working pressure (MPa) {kgf/cm <sup>2</sup> }	2.0 {20}	2.0 {20}	6.86 {70}
Destructive pressure (MPa) {kgf/cm <sup>2</sup> }	27.44 {280}	27.44 {280}	27.44 {280}
Minimum bending radius	26	26	26
Usable temperature range (standalone use)	-30°C ~ +180°C		

- Features**
- Bending radius** Compared to the previous stainless steel flexible hoses (SUS-TKSP, SUS-TKSF), the flexible hose has about half the bending radius.
- Corrosion resistance** This product is made of stainless steel and conforms to RoHS, with excellent resistance to corrosion.
- Non-absorptive** Teflon® does not absorb moisture, so fluid does not ooze out from the pipe side.
- Storage life** Unlike a rubber hose, secular change of 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.

# UNI-JOINT PLUGS

—HEAT RESISTANCE 80°C—

**JWRL** (Elastic pipe type)

**JWRF** (Flexible plastic tube type)

Main frame Polyacetal resin Thread Brass (C3604)  
Thread JIS B0203 thread for tube R(PT)

Main frame Polyacetal resin Tubes Urethane  
Thread Brass (C3604)  
Thread JIS B0203 thread for tube R(PT)

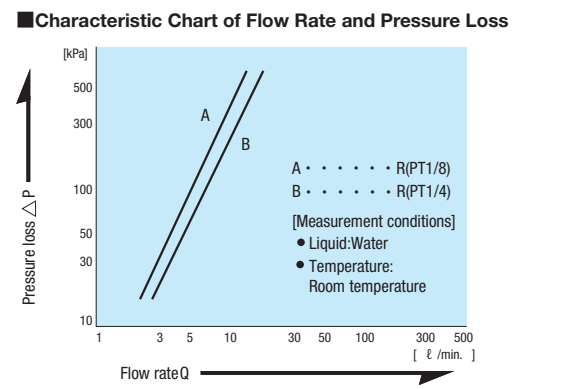
Order **Part Number** — **L**  
JWRL 2 — 65

Days to Ship **Quotation**

Price **Quotation**

**Specifications**

Size	1/8	1/4
Max. tightening torque (N · cm) {kgf · cm}	490 {50}	880 {90}
Working pressure (kPa) {kgf/cm <sup>2</sup> }	980 {10}	
Maximum pressure (kPa) {kgf/cm <sup>2</sup> }	1470 {15}	
Usable temperature range	80°C or lower	
Vacuum application	Unsuitable	

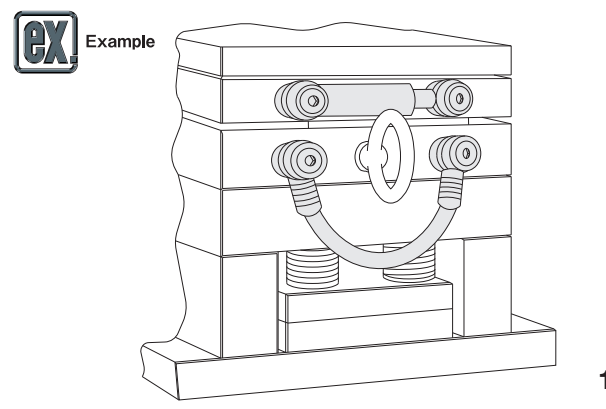


T	ℓ	R(PT)	Part Number		L	L <sub>1</sub>	U/Price 1~9
			Type	No.			
31	9	1/8	JWRL	1	50	65	Quotation
					65	100	
					100	160	
35	12.7	1/4	JWRL	2	50	65	Quotation
					65	100	
					100	160	

T	ℓ	R(PT)	Part Number		L	L <sub>1</sub>	U/Price 1~9
			Type	No.			
31	9	1/8	JWRF	1	140	—	Quotation
35	12.7	1/4	JWRF	2			

- Features**
- The JWRL/JWRF Uni-joint Plug is designed for use in mold cooling pipes, and it:
    - Requires less piping space.
    - Improves productivity of piping work.
    - Allows systematic piping.
    - Helps reduce mold stocking space.
  - JWRL** (Elastic pipe type)
    - The length can be adjusted within the L~L<sub>1</sub> range.
  - JWRF** (Flexible plastic tube type)
    - The elbows are connected with a flexible tube, making it possible to go around an obstacle between them.
    - (Recommended distance between the holes is 100mm or longer.)

**<JWRL Notes for JWRL Usage>**  
Use the plugs after 5 to 6 idle rotations with an Allen wrench.  
Forcing the elastic pipe to extend without idle rotations may result in water leakage.



Cooling Components  
Joints - Hoses  
Cooling Inside of Mold