

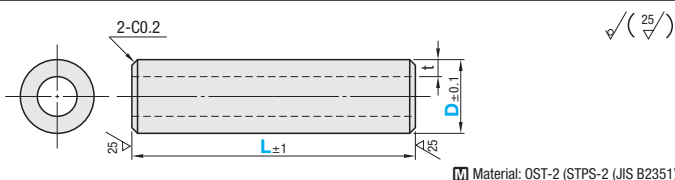
Steel Pipes for Hydraulics / Swaged Sleeve Fittings for Hydraulics

Steel Pipes for Hydraulics

OST



RoHS10



Material: OST-2 (STPS-2 (JIS B2351))

Part Number Type	D	L 1mm Increment	t	Unit Price 1 ~ 4 pc(s).				
				L20~250	L251~500	L501~750	L751~1000	L1001~1500
OST	6	20~1500	1.0					
	8		1.0					
	10		1.2					
	12		1.5					

Ordering Example
Part Number - L
OST8 - 250

Swaged Sleeve Fittings for Hydraulics
Connectors



RoHS10

Type	Material	Surface Treatment
KTGS	Main Body, Nut: S25C Sleeve: Carbon Steel	Trivalent Chromate

Swaged Sleeve Fittings for Hydraulics
Elbow Nipples



RoHS10

Type	Material	Surface Treatment
KTGE	Main Body, Nut: S25C Sleeve: Carbon Steel	Trivalent Chromate

No.6-1, 8-1, 8A-3, 10A-4, 15A-6 Others

Swaged Sleeve Fittings for Hydraulics
Union



RoHS10

Type	Material	Surface Treatment
KTGR	Main Body, Nut: S25C Sleeve: Carbon Steel	Trivalent Chromate

Swaged Sleeve Fittings for Hydraulics
Elbow



RoHS10

Type	Material	Surface Treatment
KTGLB	Main Body, Nut: S25C Sleeve: Carbon Steel	Trivalent Chromate

No.6 No.8, 10

Swaged Sleeve Fittings for Hydraulics
Tee



RoHS10

Type	Material	Surface Treatment
KTGTE	Main Body, Nut: S25C Sleeve: Carbon Steel	Trivalent Chromate

Part Number Type	No.	Applicable Pipe O.D. D	T R(P/T)	E	Reference Dia. G	Tightening by Hand Approx. L	Hex Socket H1 H	F	ℓ	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
KTGS	6-1	6	1/8	4	3.97	34.5	14 14	7	28		
	6-2	6	1/4	4	6.01	37.5	17 14	7	33		
	8-1	8	1/8	4	3.97	35.5	17 17	7	29		
	8-2	8	1/4	6	6.01	37.5	17 17	7	33		
	10-2	10	1/4	7	6.01	38.5	17 19	7	33		
	10-3	10	3/8	8	6.35	39.0	19 19	7	34		
	12-2	12	1/4	7	6.01	38.5	19 22	7	33		
	6A-2	10.5	1/4	7	6.01	34.5	17 19	7	33		
	8A-3	13.8	3/8	9	6.35	40	22 24	7.5	37		
	10A-4	17.3	1/2	12	8.16	44.5	27 32	8	41		
	15A-6	21.7	3/4	16	9.53	48	32 36	9	45		

Use No.6A, 8A, 10A, 15A with the same No. of SUT, STPG (P1265). Sleeves of No.6A, 8A, 10A, 15A is different from those for KTGS (P1302). No. 8, 10 and 12 have approx. 1.4mm protrusion for improving pressure resistance.

Part Number Type	No.	Applicable Pipe O.D. D	T R(P/T)	E	E1	Reference Dia. G	Tightening by Hand Approx. L	L1	Wrench Flats h	Hex Socket H	F	ℓ	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
KTGE	6-1	6	1/8	4	4	3.97	30.5	14	14	14	7	20		
	6-2	6	1/4	4	4.5	6.01	33.5	17	17	14	7	23		
	8-1	8	1/8	6	4	3.97	33.5	16	17	17	7	23		
	8-2	8	1/4	6	7	6.01	33.5	18	17	17	7	23		
	10-2	10	1/4	8	7	6.01	34.5	19	17	19	7	23		
	10-3	10	3/8	8	9	6.35	35.5	19.5	19	19	7	24		
	12-2	12	1/4	10	7	6.01	35.5	20.5	19	22	7	24		
	8A-3	13.8	3/8	11	9	6.35	40	22.5	22	24	7.5	28		
	10A-4	17.3	1/2	14	12	8.16	44.5	30	27	32	8	32		
	15A-6	21.7	3/4	18	16	9.53	46.5	32.5	32	36	9	34		

Use No.8A, 10A, 15A with the same No. of SUT, STPG (P1265). Sleeves of No.8A, 10A, 15A is different from those for KTGS (P1302). No. 8 has approx. 1.4mm protrusion for improving pressure resistance.

Part Number Type	No.	Applicable Pipe O.D. D	E	Hex Socket		F	ℓ	Tightening by Hand Approx. L	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
KTGR	6	6	4	H1	H	7	30	51		
				14	14					
				17	17					
				19	19					
				22	22					

Part Number Type	No.	Applicable Pipe O.D. D	E	Wrench Flats h	Hex Socket H	F	ℓ	Tightening by Hand Approx. L	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
KTGLB	6	6	4	14	14	7	20	30.5		
	8	8	6	17	17	7	23	33.5		
	10	10	8	17	19	7	23	34.5		

Part Number Type	No.	Applicable Pipe O.D. D	E	Wrench Flats h	Hex Socket H	F	ℓ	Tightening by Hand Approx. L	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
KTGTE	6	6	4	14	14	7	20	30.5		
	8	8	6	17	17	7	23	33.5		
	10	10	8	17	19	7	23	34.5		
	12	12	10	19	22	7	24	35.5		

Swaged Sleeve Fittings for Hydraulics
Reducers



RoHS10

Type	Material	Surface Treatment
KTGRE	Main Body, Nut: S25C Sleeve: Carbon Steel	Trivalent Chromate

Swaged Sleeve Fittings for Hydraulics
Reverse Flow Prevention Union



RoHS10

Type	Material	Surface Treatment
KTGZR	Main Body, Nut: S25C Sleeve: Carbon Steel	Trivalent Chromate

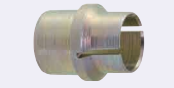
Swaged Sleeve Fittings for Hydraulics
Reverse Flow Prevention Connectors



RoHS10

Type	Material	Surface Treatment
KTGZC	Main Body, Nut: S25C Sleeve: Carbon Steel	Trivalent Chromate

Swaged Sleeve Fittings for Hydraulics
Sleeve



RoHS10

Type	Material	Surface Treatment
KTGSL	Carbon Steel	Trivalent Chromate

Swaged Sleeve Fittings for Hydraulics
Nut



RoHS10

Type	Material	Surface Treatment
KTGNT	S25C	Trivalent Chromate

Ordering Example
Part Number
KTGS8-1
KTGR6

Structure and Tightening Procedure of Swaged Sleeve Fittings

Swaged Sleeve Fittings are composed of a main body, a sleeve and a nut.

[Tightening Procedure]

For utilizing performance of Swaged Sleeve Fittings for Steel Pipes, use of appropriate pipe and accurate tightening of fitting are required. The following pre-tightening will make plumbing smooth and secure.

- Pre-tightening
① Insert the pipe with nut and sleeve inserted as shown in right figure into the fitting body. Make sure that pipe end contacts abutment part. Inadequate swaging due to the inadequate tightening may cause the pipe to pull out.
② Tighten the nut by hand.
③ Tighten the nut with a wrench while rotating the pipe to the end of its rotation. Put a mark on this position of fitting body and the nut.
④ Further tighten the nut by a wrench with 1-1/4 turn at this mark.
⑤ Loosen the nut once to see the state of the sleeve in order to confirm the following.
1) There is some millimeter distance between pipe end and sleeve end.
2) No substantial movement of the sleeve toward the direction of pipe axis is allowable. Moving toward circumferential direction is acceptable.
- Full Tightening
Attach the pre-tightened pipe with fitting body and tighten the nut by a wrench until you feel sudden resistance. Further tighten the nut by 1/4 turn, and tightening will be done.

Part Number		Applicable Nominal Dia. of Fitting A1	Applicable Pipe O.D. D	E	Hex Socket		F	ℓ	Tightening by Hand Approx. L	Unit Price 1 ~ 9 pcs(s).	Volume Discount Rate 10 ~ 30 pcs(s).
Type	No.				H1	H					
KTGRE	8-6	8	6	4	14	14	7	39	49.5		
	10-6	10	6	4	14	14	7	40	50.5		
	10-8	10	8	6	17	17	7	40	50.5		
	12-6	12	6	4	14	14	7	41	51.5		
	12-8	12	8	6	17	17	7	41	51.5		
	12-10	12	10	8	17	19	7	41	52.5		