

SWIVEL JOINT

SJS. SJH. SJM SERIES

1. Features

Swivel Joint is the fitting which can be used under lower rotation and swinging (reciprocating rotary motion) for high pressure piping.

This is mainly used for the connection between fixed piping and high pressure hose, and is very useful for prevention of excessive attachment and/or torsion of the hose.

1) S J S type

Simplified its structure for general use.

2) S J H type

In order to be used for severe operating conditions, applied the slipper seal of extra lower abrasion so that it prevents co-rotating of O-ring and abrasion.

3) S J M type

This type is straight swivel joint. Steel ball is located in the sliding part to secure the easy rotating motion.

2. Specifications

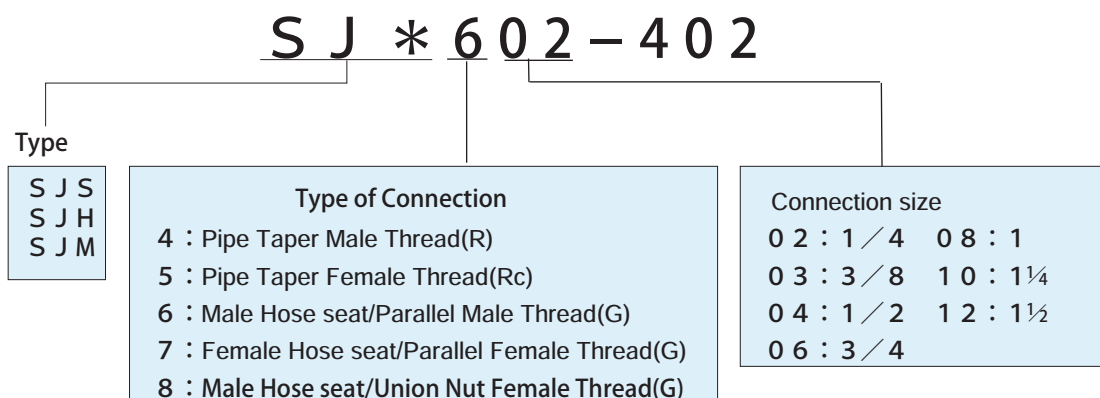
1) Maximum working pressure : 21MPa

2) Fluid : Hydraulic oil (−20℃~95℃)

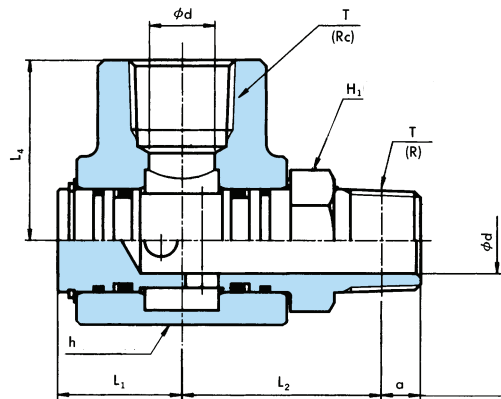
3) Swivelling angle : 360°

4) Swivelling speed : 25 cycle/min at swivelling angle of 110°

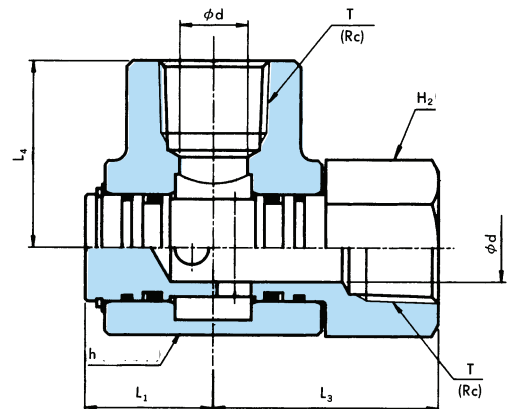
3. Nomenclature



SJS5 4



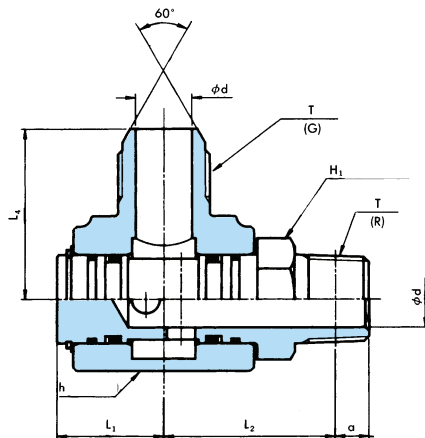
SJS5 5



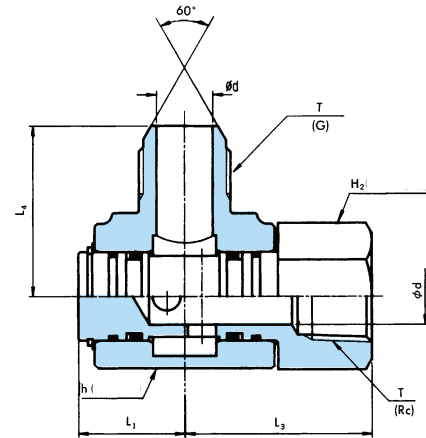
Unit : mm

F	×	M	F	×	F	T	d	L1	L2	L3	L4	a	h _(HEX)	H1	H2
SJS502-402		SJS502-502	1/4		5	19.5	31.5	34.5	30	6.01	22	14	19		
SJS503-403		SJS503-503	3/8		8	22	35.7	39	30	6.35	27	19	24		
SJS504-404		SJS504-504	1/2		11.5	24	40.3	45.5	35	8.16	32	22	30		
SJS506-406		SJS506-506	3/4		16	30	48.5	55	42	9.53	41	30	36		
SJS508-408		SJS508-508	1		20	36	57.1	64.5	46	10.39	46	36	41		
SJS510-410		SJS510-510	1 1/4		26	40	65.3	75	58	12.7	60	46	55		

SJS6 4



SJS6 5

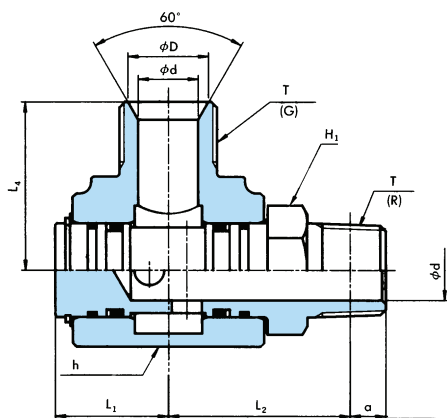


Unit : mm

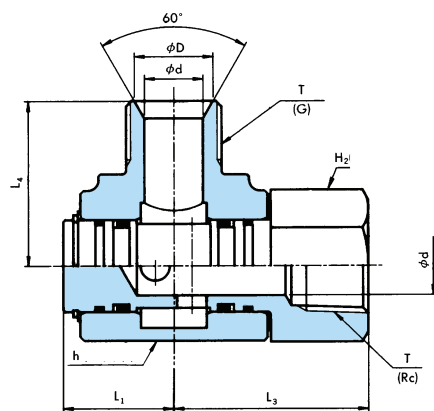
M	×	M	M	×	F	T	d	L1	L2	L3	L4	a	h _(HEX)	H1	H2
SJS602-402		SJS602-502	1/4		5	19.5	31.5	34.5	30	6.01	22	14	19		
SJS603-403		SJS603-503	3/8		8	22	35.7	39	33	6.35	27	19	24		
SJS604-404		SJS604-504	1/2		11.5	24	40.3	45.5	38	8.16	32	22	30		
SJS606-406		SJS606-506	3/4		16	30	48.5	55	42	9.53	41	30	36		
SJS608-408		SJS608-508	1		20	36	57.1	64.5	54	10.39	46	36	41		
SJS610-410		SJS610-510	1 1/4		26	40	65.3	75	63	12.7	60	46	55		

IHARA SWIVELJOINT : S J S

SJS7 ≡ ≡ -4 ≡ ≡



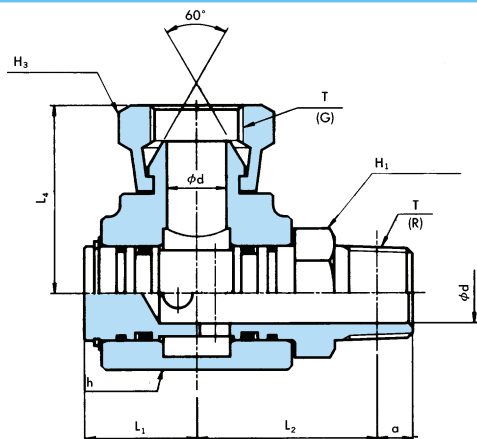
SJS7 ≡ ≡ -5 ≡ ≡



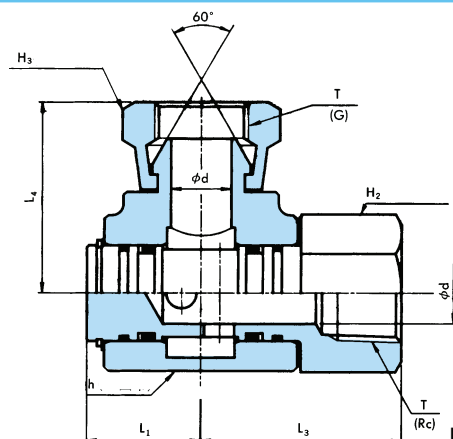
Unit : mm

M	×	M	M	×	F	T	D	d	L ₁	L ₂	L ₃	L ₄	a	h ^(HEX)	H ₁	H ₂
SJS702-402		SJS702-502			1/4	9.5	5	19.5	31.5	34.5	29	6.01	22	14	19	
SJS703-403		SJS703-503			3/8	12.5	8	22	35.7	39	30	6.35	27	19	24	
SJS704-404		SJS704-504			1/2	16	11.5	24	40.3	45.5	35	8.16	32	22	30	
SJS706-406		SJS706-506			3/4	21.5	16	30	48	55	41	9.53	41	30	36	
SJS708-408		SJS708-508			1	27.5	20	36	57	64.5	47	10.39	46	36	41	
SJS710-410		SJS710-510			1 1/4	36	26	40	65.3	75	61	12.7	60	46	55	

SJS8 ≡ ≡ -4 ≡ ≡



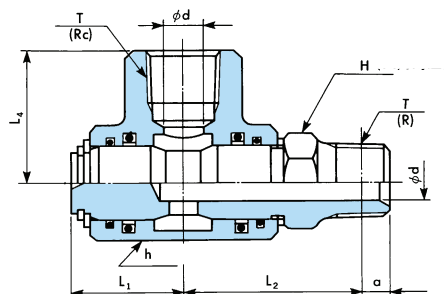
SJS8 ≡ ≡ -5 ≡ ≡



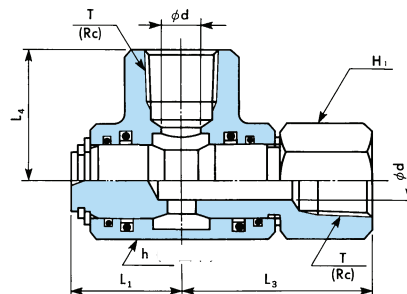
Unit : mm

F	×	M	F	×	F	T	d	L ₁	L ₂	L ₃	L ₄	a	h ^(HEX)	H ₁	H ₂	H ₃
SJS802	402		SJS802	502		1/4	5	19.5	31.5	34.5	32.8	6.01	22	14	19	19
SJS803	403		SJS803	503		3/8	8	22	35.7	39	34.8	6.35	27	19	24	22
SJS804	404		SJS804	504		1/2	11.5	24	40.3	45.5	38.8	8.16	32	22	30	27
SJS806	406		SJS806	506		3/4	16	30	48.5	55	44.6	9.53	41	30	36	36
SJS808	408		SJS808	508		1	20	36	57.1	64.5	51.3	10.39	46	36	41	41
SJS810	410		SJS810	510		1 1/4	26	40	65.3	75	65.5	12.7	60	46	55	50

SJH5 4



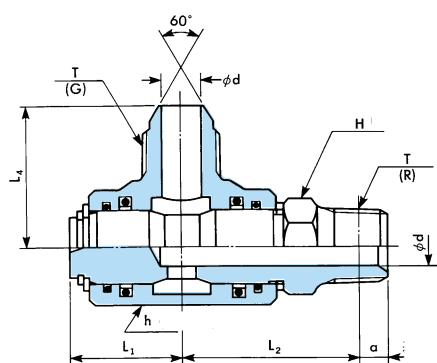
SJH5 5



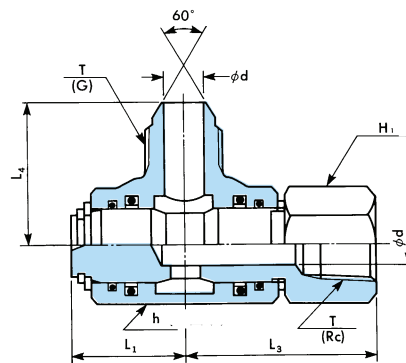
Unit : mm

F	×	M	F	×	F	T	d	L ₁	L ₂	L ₃	L ₄	a	h	H ₁	H ₂
SJH502-402			SJH502-502			1/4	6	25.5	38.5	42.5	30	6.01	27	19	19
SJH503-403			SJH503-503			3/8	8.5	25.5	39.1	42.5	30	6.35	27	19	24
SJH504-404			SJH504-504			1/2	12	27.5	44.3	49.5	36	8.16	32	24	30
SJH506-406			SJH506-506			3/4	17	33.5	52	56.5	42	9.53	41	30	36
SJH508-408			SJH508-508			1	22	36	58.6	67	46	10.39	46	36	41
SJH510-410			SJH510-510			1 1/4	31	41	65.3	75	59	12.7	71	46	55
SJH512-412			SJH512-512			1 1/2	36	45	70.3	78	63	12.7	85	50	65

SJH6 4



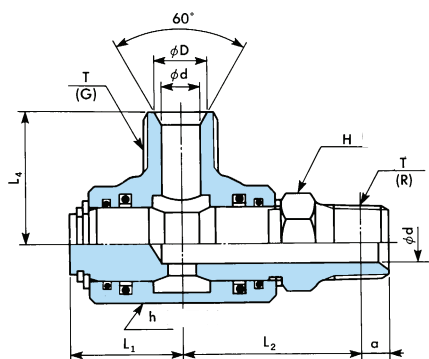
SJH6 5



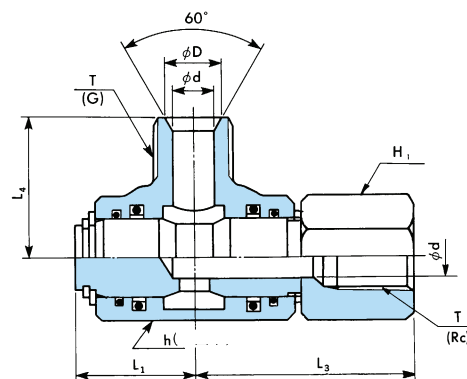
Unit : mm

M	×	M	M	×	F	T	d	L ₁	L ₂	L ₃	L ₄	a	h	H ₁	H ₂
SJH602-402			SJH602-502			1/4	6	25.5	38.5	42.5	31	6.01	27	19	19
SJH603-403			SJH603-503			3/8	8.5	25.5	39.1	42.5	33	6.35	27	19	24
SJH604-404			SJH604-504			1/2	12	27.5	44.3	49.5	38	8.16	32	24	30
SJH606-406			SJH606-506			3/4	17	33.5	52	56.5	44	9.53	41	30	36
SJH608-408			SJH608-508			1	22	36	58.6	67	54	10.39	46	36	41
SJH610-410			SJH610-510			1 1/4	31	41	65.3	75	63	12.7	71	46	55
SJH612-412			SJH612-512			1 1/2	36	45	70.3	78	70	12.7	85	50	65

SJH7 ≡ ≡ -4 ≡ ≡



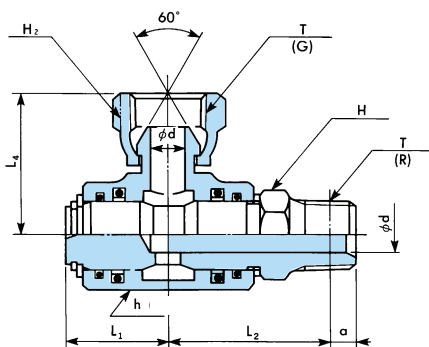
SJH7 ≡ ≡ -5 ≡ ≡



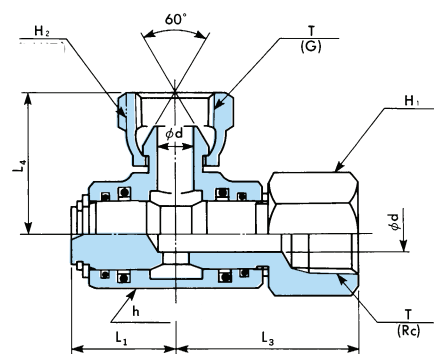
Unit : mm

M	×	M	M	×	F	T	D	d	L ₁	L ₂	L ₃	L ₄	a	h	H ₁	H ₂
SJH702-402		SJH702-502				1/4	9.5	6	25.5	38.5	42.5	29	6.01	27	19	19
SJH703-403		SJH703-503				3/8	12.5	8.5	25.5	39.1	42.5	30	6.35	27	19	24
SJH704-404		SJH704-504				1/2	16	12	27.5	44.3	49.5	37	8.16	32	24	30
SJH706-406		SJH706-506				3/4	21.5	17	33.5	52	56.5	41	9.53	41	30	36
SJH708-408		SJH708-508				1	27.5	22	36	58.6	67	49	10.39	46	36	41
SJH710-410		SJH710-510				1 1/4	36	31	41	65.3	75	61	12.7	71	46	55
SJH712-412		SJH712-512				1 1/2	42	36	45	70.3	78	68	12.7	85	50	65

SJH8 ≡ ≡ -4 ≡ ≡



SJH8 ≡ ≡ -5 ≡ ≡

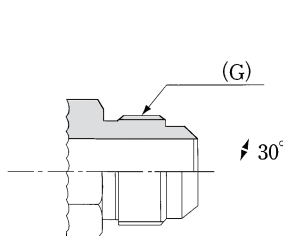


Unit : mm

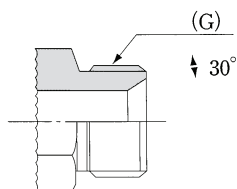
F	×	M	F	×	F	T	d	L ₁	L ₂	L ₃	L ₄	a	h	H ₁	H ₂	H ₃
SJH802-402			SJH802-502			1/4	6	25.5	38.5	42.5	28	6.01	27	19	19	19
SJH803-403			SJH803-503			3/8	8.5	25.5	39.1	42.5	28	6.35	27	19	24	22
SJH804-404			SJH804-504			1/2	12	27.5	44.3	49.5	34	8.16	32	24	30	27
SJH806-406			SJH806-506			3/4	17	33.5	52	56.5	46	9.53	41	30	36	36
SJH808-408			SJH808-508			1	22	36	58.6	67	50	10.39	46	36	41	41
SJH810-410			SJH810-510			1 1/4	31	41	65.3	75	66	12.7	71	46	55	50

Type of Connection Port

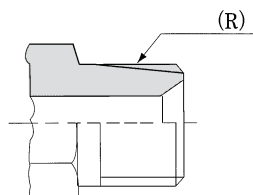
The types are available depend upon connection ports of equipment and hoses.
Some examples of the connection port are shown below.



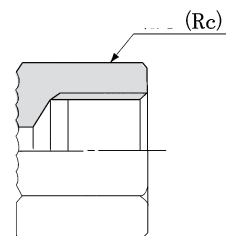
Male (Female) Adapter



Male (Female) Adapter

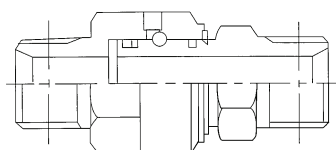


Tapered Male Adapter



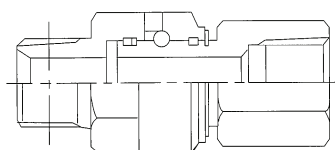
Tapered Female Adapter

No.	(R) T	d	D	L	HEX		G
					H	H1	
※ SJM402-402	1/4	5	25.5	64	22	14	6.01
SJM403-403	3/8	8	28.5	75	22	19	6.35
SJM404-404	1/2	11.5	33	85	27	22	8.16
SJM406-406	3/4	16	42	97	36	30	9.53
SJM408-408	1	20	47.5	107	41	36	10.39
SJM410-410	1 • 1/4	26	58	126.5	50	46	12.70



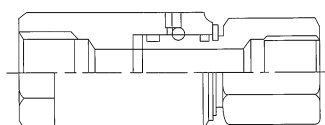
Type of *Mark Size

No.	(R×Rc) T	d	D	L	HEX		G
					H	H1	
※ SJM402-502	1/4	5	25.5	61	22	19	6.01
SJM403-503	3/8	8	28.5	72	22	24	6.35
SJM404-504	1/2	11.5	33	82	27	30	8.16
SJM406-506	3/4	16	42	94	36	36	9.53
SJM408-508	1	20	47.5	104	41	46	10.39
SJM410-510	1 • 1/4	26	58	123.5	50	55	12.70

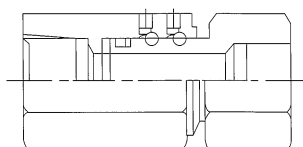


Type of *Mark Size

No.	(Rc) T	d	D	L	HEX	
					H	H1
※ SJM502-502	1/4	5	25.5	62	22	19
SJM503-503	3/8	8	28.5	73	24	24
SJM504-504	1/2	11.5	33	84	30	30
SJM506-506	3/4	16	42	94	36	36
☆ SJM508-508	1	20	—	105	50	46
☆ SJM510-510	1 • 1/4	26	—	124	60	55

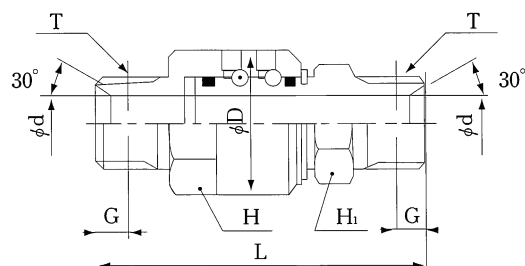


Type of *Mark Size

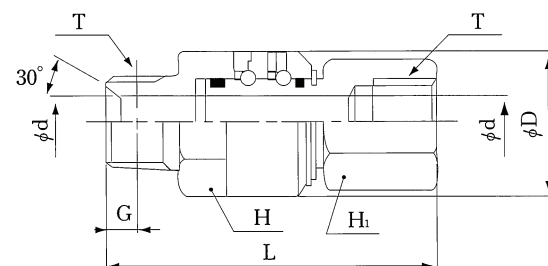


Type of ☆Mark Size

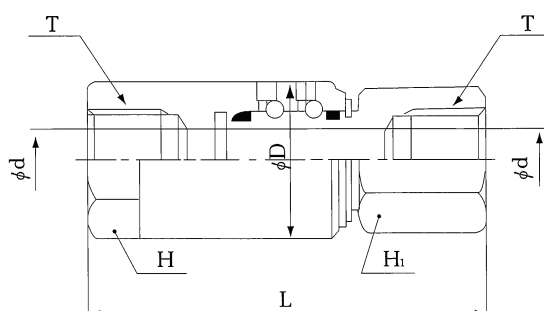
SJM4※※-4※※



SJM4※※-5※※

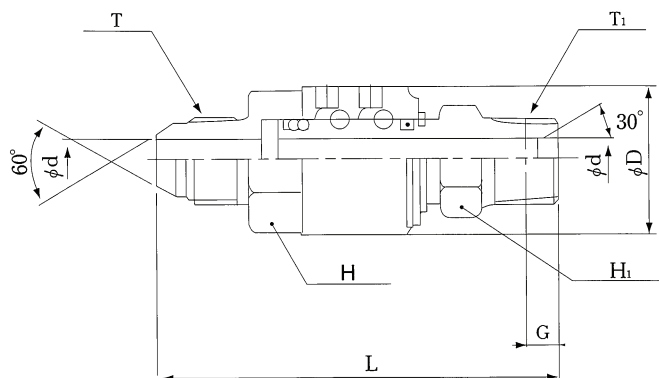


SJM5※※-5※※

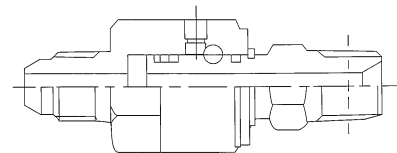


IHARA SWIVEL JOINT : S J M

SJM6※※-4※※

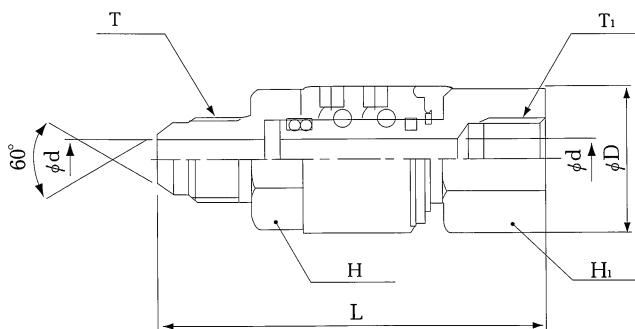


No.	(G×R) T×T ₁	d	D	L	HEX		G
					H	H1	
※ SJM602-402	1/4	5	25.5	66	22	14	6.01
SJM603-403	3/8	8	28.5	77.5	22	19	6.35
SJM604-404	1/2	11	33	88	27	22	8.16
SJM606-406	3/4	16	42	97.5	36	30	9.53
SJM608-408	1	20	47.5	105.5	41	36	10.39
SJM610-410	1 1/4	26	58	126.5	50	46	12.70

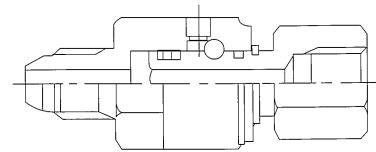


Type of ※Mark Size

SJM6※※-5※※

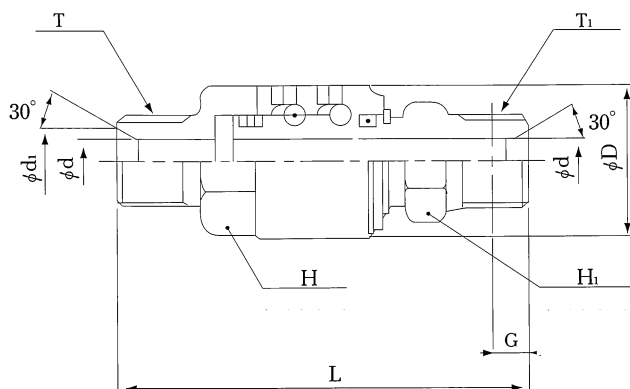


No.	(G×Rc) T×T ₁	d	D	L	HEX	
					H	H1
※ SJM602-502	1/4	5	25.5	63	22	19
SJM603-503	3/8	8	28.5	74.5	22	24
SJM604-504	1/2	11	33	83	27	30
SJM606-506	3/4	16	42	94.5	36	36
SJM608-508	1	20	47.5	102.5	41	46
SJM610-510	1 1/4	26	58	123.5	50	55

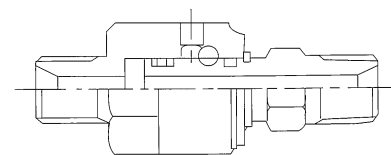


Type of ※Mark Size

SJM7※※-4※※

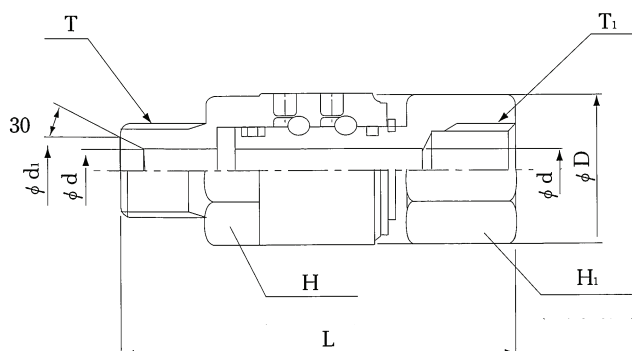


No.	(G×R) T×T ₁	d	d ₁	D	L	HEX		G
						H	H1	
※ SJM702-402	1/4	5	9.5	25.5	63	22	14	6.01
SJM703-403	3/8	8	12.5	28.5	75	22	19	6.35
SJM704-404	1/2	11.5	16	33	83	27	22	8.16
SJM706-406	3/4	16	21.5	42	96	36	30	9.53
SJM708-408	1	20	27.5	47.5	105	41	36	10.39
SJM710-410	1 1/4	26	36	58	125.5	50	46	12.70

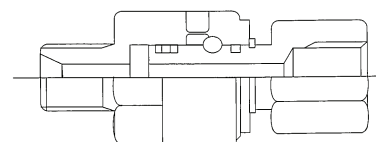


Type of ※Mark Size

SJM7※※-5※※



No.	(G×R) T×T ₁	d	d ₁	D	L	HEX	
						H	H1
※ SJM702-502	1/4	5	9.5	25.5	60	22	19
SJM703-503	3/8	8	12.5	28.5	72	22	24
SJM704-504	1/2	11.5	16	33	81	27	30
SJM706-506	3/4	16	21.5	42	93	36	36
SJM708-508	1	20	27.5	47.5	102	41	46
SJM710-510	1 1/4	26	36	58	122.5	50	55



Type of ※Mark Size

WARNING: If you don't select and handle fittings, valves and related accessories in an adequate manner, it may damage human beings and applicable systems.

Within the responsibility and authorization of users and piping designers, fittings, valves and related accessories shall be adequately selected, assembled, used and maintained based on the applicable conditions and product conformity to the system to be applied.

Please read carefully our operation manual and feel free to contact with IHARA SCIENCE CORPORATION if you have any question or request.



IHARA SCIENCE CORPORATION

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