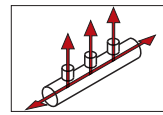


Pipe Manifolds / Sockets for Pipe Manifolds

Unidirectional Manifolds / Sockets



Unidirectional Pipe Manifolds

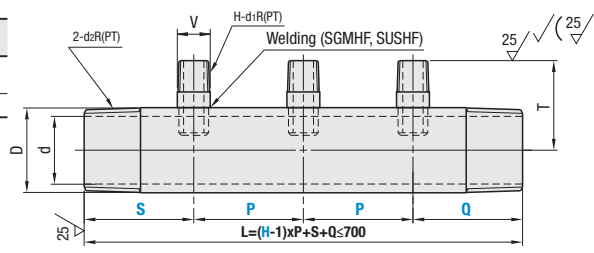


Type	Material	Surface Treatment
SGMHF	SGP	Trivalent Chromate
SUSHF	304 Stainless Steel	—

⊕ Welding may cause small deformations that accumulate when the products are used in connected stacks.

*Drawing is for when 3-Circuit type is selected.

Thread JIS B0203 R (PT)
(Normal Pressure: 0.7 MPa = 7 kgf/cm² or Less)



Type	Part Number		H (No. of Holes)	P, S & Q 1 mm Increment	d ₁ R (PT)	d ₂ R (PT)	D	d	
	No.							SGMHF	SUSHF
SGMHF SUSHF	15A	2	40-150	1/8	1/2	21.7	16.1	16.1	
	20A	3	40-150	1/4	3/4	27.2	21.6	21.4	
	25A	4	45-150	3/8	1	34	27.6	27.2	
	32A	5	55-150	1/2	1-1/4	42.7	35.7	35.5	
	40A	6	65-150	3/4	1-1/2	48.6	41.6	41.2	

V and T Dimension

d ₁ R (PT)	V	T
1 (1/8)	10.5	25.8
2 (1/4)	13.8	34.6
3 (3/8)	17.3	40.0
4 (1/2)	21.7	48.3
6 (3/4)	27.2	55.3

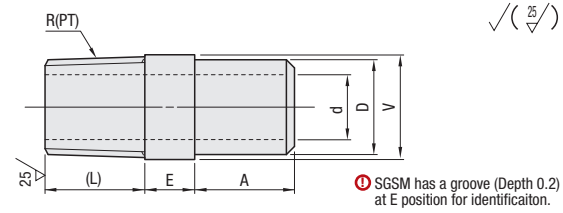
Part Number Example: **SUSHF32A** - H (Number of Holes) = 4 - P70 - S60 - Q70
Applicable Fluid: Water, Air

Sockets for Pipe Manifolds



Type	Material	Surface Treatment
SGSM	SGP*	Trivalent Chromate
SUSM	304T Stainless Steel*	—

*1020 Carbon Steel or Equivalent (SGSM) for M5 only.
304 Stainless Steel (SUSM) for M5 only.
Thread JIS B0203 R (PT)



⊕ SGSM has a groove (Depth 0.2) at E position for identification.

Type	Part Number		R (PT)	E	A	V	d		D	L
	No.						SGSM	SUSM		
SGSM SUSM	5	M5	4	5.9	6	1.5	1.5	5	7.5	
	1	1/8	5	10	10.5	6.5	5.7	9.5	10	
	2	1/4	6	11	13.8	9.2	7.8	12.8	15	
	3	3/8	6	12	17.3	12.7	10.9	16.3	17	
	4	1/2	7	13	21.7	16.1	16.1	20.7	20	
	6	3/4	8	13.5	27.2	21.6	21.4	26.2	23	

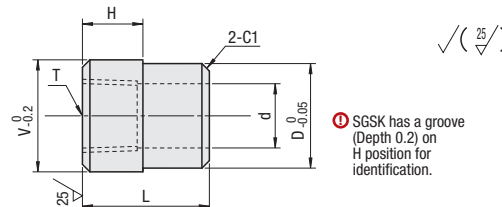
Sockets for Pipe Manifolds



Type	Material	Surface Treatment
SGSK	1025 Carbon Steel or Equivalent*	Trivalent Chromate
SUSK	304 Stainless Steel	—

*1020 Carbon Steel or Equivalent for M5 only

Thread JIS B0203 R (PT)



⊕ SGSK has a groove (Depth 0.2) on H position for identification.

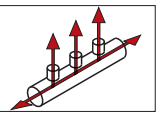
Features: Welded Sockets used for Pipe Manifolds. Installation is made easy with a step provided on the outer circumference.

Type	Part Number		T Rc(PT)	V	L	D	d		H
	No.						SGSK	SUSK	
SGSK SUSK	5	M5	10	13.4	9	4.3	4.3	7.5	
	1	1/8	15	17	14	8.6	8.6	8.1	
	2	1/4	20	22	19	11.4	11.7	11.4	
	3	3/8	25	24	24	14.9	12.4	12	
	4	1/2	30	28	29	16.3	16.3	15.6	
	6	3/4	35	31	34	21	21	17.7	

Part Number Example: **SGSM3**
SGSK2

Pipe Manifolds

Tapped / Threaded / Tapped and Threaded Sockets



Pipe Manifolds

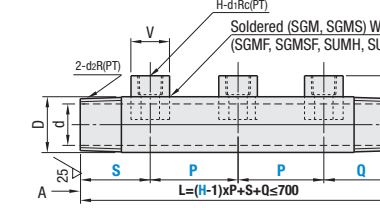


RoHS 10

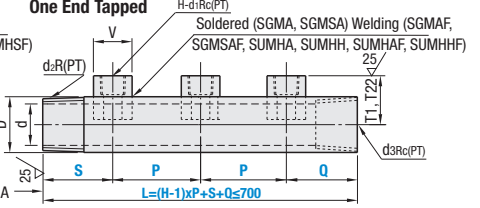
	Type				Material	Surface Treatment
	Standard Type		Configurable Type			
	T ₁ Type	T ₂ Type	T ₁ Type	T ₂ Type		
Both Ends Threaded	SGM SUMH	SGMS —	SGMF SUMHF	SUMHSF	304 SGP*	Trivalent Chromate
One End Threaded One End Tapped	SGMA SUMHA	SGMSA SUMHA	SGMAF SUMHAF	SUMHAF	304 SGP*	Trivalent Chromate
Both Ends Tapped	SGMM SUMHM	—	SGMFM SUMHFM	—	304 SGP*	Trivalent Chromate

*Sockets for No.50A is 1018 Carbon Steel.

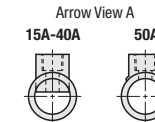
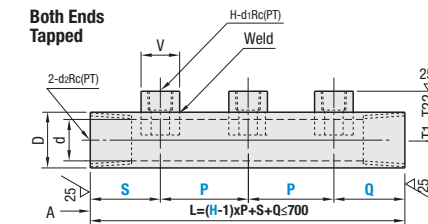
Both Ends Threaded



One End Threaded One End Tapped



Both Ends Tapped



Usage Conditions
Water, Air

V and T Dimension

d ₁ Rc (PT)	V	T ₁	T ₂
1 (1/8)	15	19	21.7
2 (1/4)	20	25	28.4
3 (3/8)	25	29	33.4
4 (1/2)	30	37	39.9
6 (3/4)	35	42	—
8 (1)	42	58	—

Both Ends Threaded / One End Threaded, One End Tapped

Type	Part Number		H (No. of Holes)	P / S / Q		d ₁ Rc (PT)	d ₂ Rc (PT)	d ₃ Rc (PT)	D	d		
	Standard Type	Configurable Type		Standard Type	Configurable Type					Material: SGP	Material: Stainless Steel	
	T ₁ Type	T ₂ Type		T ₁ Type	T ₂ Type					1 mm Increment		
T1 Type SGM SUMH SGMA SUMHA	T2 Type SGMS SGMSA SGMAF SUMHA	15A	2	35	35 (45)-150	1/8	—	1/2	1/2	21.7	16.1	16.1
		20A	3	35	35 (45)-150	1/4	1/8	3/4	3/4	27.2	21.6	21.4
		25A	4	40	40 (50)-150	3/8	1/4	1	1	34	27.6	27.2
		32A	5	50	50 (60)-150	1/2	3/8	1-1/4	1-1/4	42.7	35.7	35.5
		40A	6	60	60 (70)-150	3/4	1/2	1-1/2	1-1/2	48.6	41.6	41.2
		50A	—	100	100-150	1	—	2	—	60.5	52.9	—

⊕ 304 Stainless Steel is not available for 50A on Standard and Configurable Parts.

⊕ For One End Threaded One End Tapped P, S and Q Configurable Type, minimum configurable value is in () for Q dimension (female threaded end) only.

⊕ Specify P, S and Q within the range of L = (H-1) x P + S + Q ≤ 700. ⊕ No. 50A is available for SGM and SGMF only.

Both Ends Tapped

Type	Part Number		H (No. of Holes)	P, S & Q		d ₁ Rc (PT)	d ₂ Rc (PT)	D	d	
	Standard Type	Configurable Type		Standard Type	Configurable Type				Material: SGP	Material: Stainless Steel
T1 Type SGMM SUMHM	T1 Type SGMFM SUMHFM	15A	2	45	35 (45)-150	1/8	1/2	21.7	16.1	16.1
		20A	3	45	35 (45)-150	1/4	3/4	27.2	21.6	21.4
		25A	4	50	40 (50)-150	3/8	1	34	27.6	27.2
		32A	5	60	50 (60)-150	1/2	1-1/4	42.7	35.7	35.5
		40A	6	70	60 (70)-150	3/4	1-1/2	48.6	41.6	41.2

⊕ 304 Stainless Steel is not available for 50A on Standard and Configurable Parts.

⊕ Specify P, S and Q within the range of L = (H-1) x P + S + Q ≤ 700. ⊕ For P, S Q Fixed Type minimum required value for S and Q dimensions are in ().

⊕ T2 type is not available for Both Ends Tapped Type.

Part Number Example: **SUMH32A** - H (Number of Holes) = 3
SGMAF32A - 4 - P70 - S60 - Q70
SUMHM20A - 3