

Screwings and Components

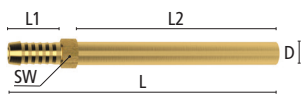
Brass MS 58 plain

- For temperature regulation applications with hot or cold water as well as tempered oil
- Hose couplings available with standard stem profile for standard hoses or quick-fit profile for quick-fit hoses

Materials:

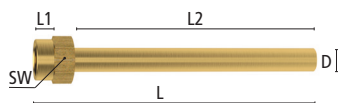
- Screwings, components: Brass MS 58 plain

Max. Working Pressure	Temperature	Thread	Inner Cone	Media
PN 15 bar	-20°C – +200°C	ISO 228 / DIN 13	DIN 3863	Tempered media



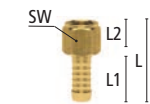
Standard hose stem tubes for counter-sunk mould threads (for length cutting as needed)

Hose connection	L	SW	D	L1	L2	Passage	Weight	Type No.
Hose i.D. 9	120	11	10	22.5	90.5	6	50	ESHM 120 RS
Hose i.D. 13	150	15	14	25	115	9	114	ESH 150 RS



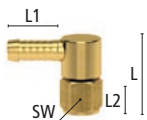
Female thread tubes for counter-sunk mould threads (for length cutting as needed)

Thread connection	L	SW	D	L1	L2	Passage	Weight	Type No.
M 14x1.5 f	120	17	10	12	104.5	6	60	ESHM 120 RI
M 16x1.5 f	150	22	14	12	134.5	9	130	ESH 150 RI



Standard hose stems with outer cone DIN 3863 and hexagon nut (straight, 45° and 90°)

Thread connect.	Hose con.	L	SW	L1	L2	Version	Passage	Weight	Type No.
G 1/4 f	Hose i.D. 9	40	17	23.5	10.5	straight	6	31	ST 149 MHL
G 1/4 f	Hose i.D. 9	52	17	22.5	10.5	45°	6	60	ST 149 MHL-45
G 1/4 f	Hose i.D. 9	34	17	22.5	10.5	90°	6	60	ST 149 MHL-90
G 3/8 f	Hose i.D. 13	41	22	27	10	straight	9	50	ST 3813 MHL
G 3/8 f	Hose i.D. 13	56	22	22.5	10	45°	9	80	ST 3813 MHL-45
G 3/8 f	Hose i.D. 13	40	22	22.5	10	90°	9	80	ST 3813 MHL-90
G 3/4 f	Hose i.D. 19	52	32	32	14	straight	13	130	ST 3419 MHL
M 14x1.5 f	Hose i.D. 9	40	17	23.5	10.5	straight	6	33	ST 14159 MHL
M 14x1.5 f	Hose i.D. 9	52	17	22.5	10.5	45°	6	60	ST 14159 MHL-45
M 14x1.5 f	Hose i.D. 9	34	17	22.5	10.5	90°	6	60	ST 14159 MHL-90
M 16x1.5 f	Hose i.D. 13	41	22	27	10	straight	9	50	ST 161513 MHL
M 16x1.5 f	Hose i.D. 13	56	22	22.5	10	45°	9	80	ST 161513MHL-45
M 16x1.5 f	Hose i.D. 13	40	22	22.5	10	90°	9	80	ST 161513MHL-90
M 24x1.5 f	Hose i.D. 19	52	30	32	14	straight	13	132	ST 241519 MHL



Male thread connection nipples with inner cone DIN 3863 – 60° cone

Thread connection	L	SW	L1	L2	Passage	Weight	Type No.
2 x G 1/4 m	23	17	9	9	6	21	D 14 MH
2 x G 3/8 m	23	19	9	9	9	39	D 38 MH
2 x G 1/2 m	30	22	12	12	13	46	D 12 MH
2 x G 3/4 m	40	27	16	16	13	125	D 34 MH
G 1/4 m - M 14x1.5 m	23	17	9	9	6	23	D 14-1415 MH
G 1/4 m - M 16x1.5 m	23	19	9	9	6	27	D 14-1615 MH
G 3/8 m - M 14x1.5 m	23	19	9	9	8	30	D 38-1415 MH
G 3/8 m - M 16x1.5 m	23	19	9	9	9	39	D 38-1615 MH
G 1/2 m - M 14x1.5 m	30	22	12	9	6	55	D 12-1415 MH
G 1/2 m - M 16x1.5 m	30	22	12	9	9	55	D 12-1615 MH
G 1/2 m - M 24x1.5 m	36	27	12	16	13	114	D 12-2415 MH
G 3/4 m - M 24x1.5 m	40	27	16	16	13	105	D 34-2415 MH
2 x M 14x1.5 m	23	17	9	9	6	30	D 1415 MH
2 x M 16x1.5 m	23	19	9	9	9	26	D 1615 MH
2 x M 24x1.5 m	40	27	16	16	13	25	D 2415 MH
M 14x1.5 m - M 16x1.5 m	23	17	9	9	9	20	D 1415-1615 MH
M 14x1.5 m - M 18x1.5 m	26	19	9	12	9	35	D 1415-1815 MH
M 16x1.5 m - M 18x1.5 m	26	19	9	12	9	37	D 1615-1815 MH

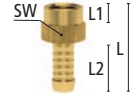


Screwings and Components

Brass MS 58 plain

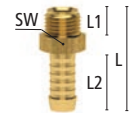
Female thread standard hose stems

Thread connect.	Hose con.	L	SW	L1	L2	Passage	⊠	Weight	Type No.
M 14x1.5 f	Hose i.D. 9	37.5	17	12	22.5	6	10	20	TI 14159 MHL
M 16x1.5 f	Hose i.D. 13	40	22	12	25	9	10	45	TI 161513 MHL
M 24x1.5 f	Hose i.D. 19	55	30	18	35	13	10	108	TI 241519 MHL



Male thread standard hose stems with inner cone DIN 3863 – 60° cone

Thread connect.	Hose con.	L	SW	L1	L2	Passage	⊠	Weight	Type No.
M 8x0.75 m	Hose i.D. 6	33.5	11	7	22.5	4.5	10	13	G 875-6 THL
M 8x0.75 m	Hose i.D. 9	33.5	11	7	22.5	4.5	10	19	G 875-9 THL
M 10x1 m	Hose i.D. 9	33.5	11	7	22.5	6	10	20	G 101-9 THL
G 1/8 m	Hose i.D. 9	33.5	11	7	22.5	6	10	20	G 18-9 THL
G 1/4 m	Hose i.D. 9	37.5	15	9	22.5	6	10	21	G 14-9 THL
G 1/4 m	Hose i.D. 13	40	15	9	25	8	10	34	G 14-13 THL
M 12x1.5 m	Hose i.D. 13	40	15	9	25	7	10	35	G 1215-13 THL
M 14x1.5 m	Hose i.D. 13	40	15	9	25	9	10	36	G 1415-13 THL
G 3/8 m	Hose i.D. 9	37.5	17	9	22.5	6	10	27	G 38-9 THL
G 3/8 m	Hose i.D. 13	40	17	9	25	9	10	36	G 38-13 THL
M 16x1.5 m	Hose i.D. 13	40	17	9	25	9	10	36	G 1615-13 THL
G 1/2 m	Hose i.D. 19	50	22	12	35	13	10	73	G 12-19 THL
M 24x1.5 m	Hose i.D. 19	56	27	16	35	13	10	114	G 2415-19 THL
G 3/4 m	Hose i.D. 19	56	27	16	35	13	10	125	G 34-19 THL



Male thread standard hose stems 90° (metric threads DIN 158/ R-thread DIN EN 10226)

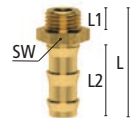
Thread connect.	Hose con.	L	SW	L1	L2	Passage	⊠	Weight	Type No.
M 5x0.5 m	Hose i.D. 5	15.5	9	5	18	2.7	10	9	ESHMC505-5SL-90
M 8x0.75 m	Hose i.D. 5	17.5	9	5	20	2.7	10	11	ESHMC875-5SL-90
M 8x0.75 m	Hose i.D. 9	27	15	9	20	4.5	10	35	ESHM 875-9SL-90
M 10x1 m	Hose i.D. 9	27	15	9	20	6	10	38	ESHM 101-9SL-90
R 1/8 m	Hose i.D. 9	27	15	9	20	6	10	38	ESHM 18-9SL-90*
M 14x1.5 m	Hose i.D. 13	34	17	11	24	9	10	47	ESH 1415-13SL90
R 1/4 m	Hose i.D. 13	34	17	11	24	9	10	48	ESH 14-13SL-90*
R 1/2 m	Hose i.D. 19	47	24	16	32	13	10	158	ESHG 12-19SL-90*
M 24x1.5 m	Hose i.D. 19	47	24	16	32	13	10	165	ESHG2415-19SL90

Suitable hose clips, double-ear clips or crimping ferrules for standard hoses (© Page 194 - 197)



Male thread quick-fit hose stems for quick-fit hoses – 60° cone

Thread connect.	Hose con.	L	SW	L1	L2	Passage	⊠	Weight	Type No.
M 10x1 m	Hose i.D. 6	41	11	9	28	6	10	20	G 101-6 TH
G 1/8 m	Hose i.D. 6	39	14	7	28	4	10	16	G 18-6 TH
G 1/4 m	Hose i.D. 6	39	17	7	28	4	10	19	G 14-6 TH
G 1/8 m	Hose i.D. 10	39	14	7	28	5	10	21	G 18-10 TH
G 1/4 m	Hose i.D. 10	39	17	7	28	7	10	23	G 14-10 TH
G 1/4 m	Hose i.D. 13	39	17	7	28	9	10	28	G 14-13 TH
M 14x1.5 m	Hose i.D. 10	42	15	9	28	7	10	26	G 1415-10 TH
G 3/8 m	Hose i.D. 10	43	17	10	28	7	10	32	G 38-10 TH
G 3/8 m	Hose i.D. 13	43	17	10	28	9	10	36	G 38-13 TH
G 1/2 m	Hose i.D. 10	43	22	10	28	7	10	41	G 12-10 TH
G 1/2 m	Hose i.D. 13	43	22	10	28	9	10	41.5	G 12-13 TH
G 1/2 m	Hose i.D. 16	58	22	12	38	13	10	70	G 12-16 TH
G 3/4 m	Hose i.D. 16	62	27	16	38	13	10	120	G 34-16 TH
G 3/4 m	Hose i.D. 19	62	27	16	38	14	10	135	G 34-19 TH



Quick-fit hose menders with/without safety collar for quick-fit hoses

Hose connection	L	L1	Passage	Version	⊠	Weight	Type No.
Hose i.D. 13	58	28	10	w safety collar	10	24	SV 13 R-TH
Hose i.D. 13	47	22.5	10	w/o safety collar	10	26	SV 13 R-THO
Hose i.D. 16	47	22.5	10	w/o safety collar	10	39	SV 16 R-THO

Safety instruction: Only use quick-fit hose stems in combination with suitable quick-fit hoses!

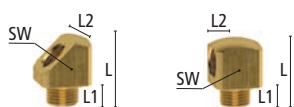
Coloured marking rings (© Page 189)

*Hose stems with inch threads are nickel-plated for simple distinction



Screwings and Components

Brass MS 58 plain



Angle screwings for 45° or 90° connections for use as modular system

Thread connection	L	SW	L1	L2	Version	Weight		Type No.
G 1/4 m - G 1/4 f	29	20	8	10	45°	42	5	W 14 IA-45
G 1/4 m - G 1/4 f	29	20	8	13.5	90°	53	5	W 14 IA-90

To be combined with female thread couplings, male thread stems and male plugs G 1/4"



Swivel head screwing for fine adjustments of air nozzles

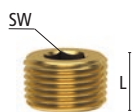
Thread connection	L	SW	D	L1	L2	Displacement		Weight	Type No.
G 1/4 m - G 1/4 f	53	22	27	9	10	approx. 47°	10	104	KGV 14

(Temperature -20°C/+100°C)



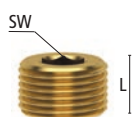
Male thread- / Female thread reducing nipples

Thread connection	L	SW	L1		Weight	Type No.
M 14x1.5 m - M 10x1 f	11	17	7	10	10	R 1415-101 NH
M 18x1.5 m - M 14x1.5 f	14	22	9	10	15	R 1815-1415 NH
G 1/4 m - G 1/8 f	11	17	7	10	10	R 14-18 NH
G 3/8 m - G 1/4 f	13	19	9	10	15	R 38-14 NH
G 1/2 m - G 3/8 f	18	24	12	10	19	R 12-38 NH
M 24x1.5 m - M 16x1.5 f	24	27	16	10	58	R 2415-1615 NH
G 3/4 m - G 1/2 f	24	27	16	10	55	R 34-12 NH



Locking screws with inner hexagon DIN 906 with tapered male thread

Thread connection	L	SW		Weight	Type No.
M 8x0.75 m	8	4	10	3	VS 875
M 10x1 m	8	5	10	3.5	VS 101
M 12x1.5 m	8	6	10	6	VS 1215
M 14x1.5 m	10	7	10	11	VS 1415
R 1/8 m	8	5	10	7.5	VS 18*
R 1/4 m	10	7	10	11	VS 14*
R 3/8 m	10	8	10	13	VS 38*
R 1/2 m	10	10	10	18	VS 12*



Locking screws with inner hexagon DIN 906 with parallel male thread

Thread connection	L	SW		Weight	Type No.
M 8x0.75 m	8	4	10	3	VS 875 ZY
M 10x1 m	8	5	10	3.5	VS 101 ZY
M 12x1.5 m	8	6	10	6	VS 1215 ZY
M 14x1.5 m	10	7	10	11	VS 1415 ZY
G 1/8 m	8	5	10	7.5	VS 18 ZY*
G 1/4 m	10	7	10	11	VS 14 ZY*
G 3/8 m	10	8	10	13	VS 38 ZY*
G 1/2 m	10	10	10	18	VS 12 ZY*



NEW

Expanding Mandrel Sealing Plugs


D	L	D1		Weight	Type No.
6	11.8	M 3	10	1	VSSD 6
8	11.8	M 4	10	2.5	VSSD 8
9	11.8	M 4	10	3	VSSD 9
10	14.3	M 6	10	5	VSSD 10
12	14.3	M 6	10	7	VSSD 12
15	16.3	M 8	10	12.5	VSSD 15
16	16.3	M 8	10	15	VSSD 16

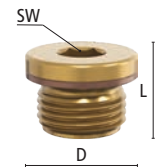
*Locking screws with inch threads are nickel-plated for simple distinction

Screwings and Components


Brass MS 58 plain

NEW! Locking screw with collar

Thread	L	SW	D		Weight	Type No.
M 7x1 m	11	3	11	10	5	VSB 71
M 9x1 m	11	4	13	10	7	VSB 91
M 10x1 m	11	5	14	10	8	VSB 101
M 11x1 m	11	5	15	10	9.5	VSB 111
M 12x1.5 m	15	6	17	10	15	VSB 1215
M 14x1.5 m	15	6	19	10	21	VSB 1415
G 1/8 m	11	5	16	10	8	VSB 18
G 1/4 m	15	6	18	10	18	VSB 14
G 3/8 m	15	8	22	10	27	VSB 38
G 1/2 m	18	10	26	10	50	VSB 12
G 3/4 m	20	12	32	10	90	VSB 34




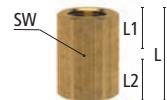
NEW! Screwable sealing plugs (max. 10 bar, temperature: -20°C - +180°C)

Ø	L	Torx		Weight	Type No.
6	9.5	10	10	2	VSO 6
7	9.5	10	10	2.5	VSO 7
8	10	10	10	3.5	VSO 8
10	10.5	20	10	5.5	VSO 10
12	11	20	10	8.5	VSO 12
14	14.5	30	10	14	VSO 14
16	14	30	10	19	VSO 16




Female thread combination nipples

Thread connection	L	SW	L1	L2		Weight	Type No.
2 x G 1/4 f	26	17	12	12	10	21	U 14 NH
G 1/2 f - M 14x1.5 f	24	27	14	10	10	45	U 12-1415 NH
G 1/2 f - M 16x1.5 f	24	27	14	10	10	46	U 12-1615 NH
G 3/4 f - M 14x1.5 f	28	32	18	10	10	75	U 34-1415 NH
G 3/4 f - M 16x1.5 f	28	32	18	10	10	77	U 34-1615 NH



Male thread standard hose stems with collar

Thread connection	Hose con.	L	SW	L1	L2	L3	Passage		Weight	Type No.
G 1/8 m	Hose i.D. 9	40	11	7	7	22.5	6	10	15	G 189 TA
G 1/4 m	Hose i.D. 13	47	15	9	7	25	9	10	33	G 1413 TA
G 1/2 m	Hose i.D. 19	62	22	12	10	32	13	5	100	G 1219 TA
G 3/4 m	Hose i.D. 19	62	27	12	10	32	13	5	150	G 3419 TA
M 10x1 m	Hose i.D. 9	40	11	7	7	22.5	6	10	15	G 1019 TA
M 12x1.5 m	Hose i.D. 13	47	15	9	7	25	8	10	33	G 121513 TA
M 14x1.5 m	Hose i.D. 13	47	15	9	7	25	9	10	33	G 141513 TA
M 24x1.5 m	Hose i.D. 19	62	27	12	10	32	13	5	140	G 241519 TA

