

Pneumatic Fittings

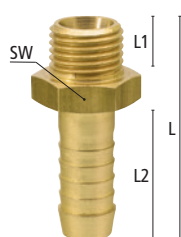
made of Brass Plain

- For fluid-control, compressed air, automation, measure-, control- and regulation technique, welding, etc.

Pneumatic 1/3-Screwings

Materials

- Screwings: Brass MS 58 plain



Max. Working Pressure	Thread	Media
PN 12 bar	ISO 228	Compressed air, Gas u.a

Thread stem with parallel male thread and inner cone 37°

Thread connection	Hose connection	L	SW	L1	L2	Bore	Weight	Type No.
G 1/8 m	Hose i.D. 6	37	13	7	25	5	12	T 186 M
G 1/8 m	Hose i.D. 9	37	13	7	25	5	20	T 189 M
G 1/4 m	Hose i.D. 6	39	17	9	25	5	19	T 146 M
G 1/4 m	Hose i.D. 8	39	17	9	25	6	21	T 148 M
G 1/4 m	Hose i.D. 9	39	17	9	25	7	22	T 149 M
G 1/4 m	Hose i.D. 11	39	17	9	25	8	26	T 1411 M
G 1/4 m	Hose i.D. 13	39	17	9	25	8	34	T 1413 M
G 3/8 m	Hose i.D. 6	40	19	10	25	5	25	T 386 M
G 3/8 m	Hose i.D. 8	40	19	10	25	6	27	T 388 M
G 3/8 m	Hose i.D. 9	40	19	10	25	7	28	T 389 M
G 3/8 m	Hose i.D. 11	40	19	10	25	8	33	T 3811 M
G 3/8 m	Hose i.D. 13	40	19	10	25	9.5	36	T 3813 M
G 1/2 m	Hose i.D. 6	40	24	10	25	5	37	T 126 M
G 1/2 m	Hose i.D. 9	40	24	10	25	7	41	T 129 M
G 1/2 m	Hose i.D. 13	40	24	10	25	11	44	T 1213 M
G 3/4 m	Hose i.D. 9	56	27	16	32	13	125	T 3419 TM*
G 1 m	Hose i.D. 25	70	36	17	41	20	210	T 1025 TM*

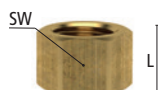
For hose clips type ZOS (☺ page 414), type HS (☺ page 415) or crimping ferrules type LPH (☺ page 418) Thread sealing with PVC-packing rings type HPD (☺ page 231)

*without inner cone

Pneumatic 2/3-Screwings

Materials

- Screwings: Brass MS 58 plain

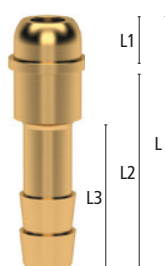


Max. Working Pressure	Thread	Media	
PN 12 bar	ISO 228	Compressed air, Gas u.a	10

Hexagon nut

Thread connection	L	SW	Bore	Gewicht	Type No.
G 1/8 f	12	13	7.2	13	U 18 M
G 1/4 f	14	17	10.6	16	U 14 M
G 3/8 f	15	19	13	15	U 38 M
G 1/2 f	16	24	15.5	28	U 12 M

Thread Stems with male thread for hexagon nut



Hose connection	Version for	L	L1	L2	L3	Bore	Weight	Type No.
Hose i.D. 6	U 18 M	40	4	34	28	4	7	ST 186 M
Hose i.D. 6	U 14 M	42	6	34	28	4	12	ST 146 M
Hose i.D. 9	U 14 M	42	6	34	28	5.5	14	ST 149 M
Hose i.D. 6	U 38 M	47	7	38	28	4	23	ST 386 M
Hose i.D. 9	U 38 M	47	7	38	28	6.5	23	ST 389 M
Hose i.D. 11	U 38 M	47	7	38	28	7	30	ST 3811 M
Hose i.D. 6	U 12 M	47	7	38	29	4	32	ST 126 M
Hose i.D. 9	U 12 M	47	7	38	29	6.5	33	ST 129 M
Hose i.D. 13	U 12 M	47	7	38	29	9	34	ST 1213 M

For hose clips type ZOS (☺ page 414), type HS (☺ page 415) or crimping ferrules type LPH (☺ page 418)

Pneumatic Fittings

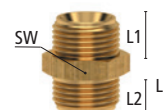
made of Brass Plain

Max. Working Pressure	Thread	Media	
PN 12 bar	ISO 228 / DIN 2999	Compressed air, u.a	10

Pneumatic Double Nipples with male thread and inner cone 37°

Thread connection	L	SW	L1	L2	Bore	Weight	Type No.
G 1/8 m - G 1/8 m	19	13	7	7	5	10	D 18 M
G 1/8 m - G 1/4 m	21	17	7	9	5	18	D 84 M
G 1/4 m - G 1/4 m	23	17	9	9	7.5	19	D 14 M
G 1/4 m - G 3/8 m	24	19	9	10	7.5	26	D 48 M
G 1/4 m - G 1/2 m	27	24	9	12.5	7.5	48	D 42 M
G 3/8 m - G 3/8 m	25	19	10	10	9	30	D 38 M
G 3/8 m - G 1/2 m	28	24	10	12.5	9	50	D 82 M
G 1/2 m - G 1/2 m	30	24	12.5	12.5	12	54	D 12 M

Male thread sealing with PVC-packing rings type HPD (☺ page 231)



Pneumatic Reducing Nipples with female thread/ male thread

Thread connection	L	SW	L1	Weight	Type No.
G 1/8 f - G 1/4 m	13	17	9	10	R 84 N
G 1/4 f - G 3/8 m	14	19	10	10	R 48 N
G 1/4 f - G 1/2 m	15	24	11	29	R 42 N
G 3/8 f - G 1/2 m	15	24	11	19	R 82 N
G 1/2 f - G 3/4 m	21	32	14	55	R 24 NM
G 1/2 f - G 1 m	20	36	15	90	R 21 N

Male thread sealing with PVC-packing rings type HPD (☺ page 231)



Pneumatic Hose Menders

Hose connection	L	Bore	Weight	Type No.
Hose i.D. 6	52	4	15	SV 6 M
Hose i.D. 8	52	6	21	SV 8 M
Hose i.D. 9	52	7	25	SV 9 M
Hose i.D. 11	52	9	36	SV 11 M
Hose i.D. 13	52	10	30	SV 13 M
Hose i.D. 19	65	16	67	SV 19 M
Hose i.D. 25	80	21.5	102	SV 25 M

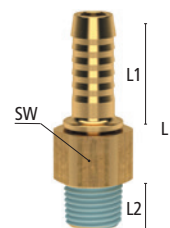
For hose clips type ZOS (☺ page 414), type HS (☺ page 415) or crimping ferrules type LPH (☺ page 418)



Swivelling thread stems with tapered male thread, Loctite-coated

Thread connection	Hose connection	L	SW	L1	L2	Bore	Weight	Type No.
R 1/4 m	Hose i.D. 6	50	17	25	11	5	32	TD 146 M
R 1/4 m	Hose i.D. 9	50	17	25	11	6	38	TD 149 M
R 3/8 m	Hose i.D. 6	52	19	25	12	5	45	TD 386 M
R 3/8 m	Hose i.D. 9	52	19	25	12	7	49	TD 389 M
R 3/8 m	Hose i.D. 11	52	19	25	12	7	56	TD 3811 M

For hose clips type ZOS (☺ page 414), type HS (☺ page 415) or crimping ferrules type LPH (☺ page 418)



Pneumatic Fittings

made of Brass Plain

Angle Screwings

Materials

- Angle screwings: Brass MS 58 plain



Max. Working Pressure	Temperature	Type of Valve	Media	
PN 15 bar	-20°C – +200°C	straight-through	different	10

Angle Screwings for 45° or 90°

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

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

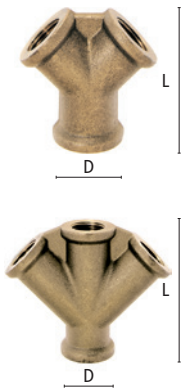
Manifolds for Quick Connect Couplings

made of Brass MS 58

- Manifolds for quick connect couplings of brass
- 3-way manifolds or 4-way manifolds with female thread
- [For the supply of compressed air on central places](#)

Materials

- Distributor and quick connect coupling: Brass MS 58 plain



Max. Working Pressure	Temperature	Media	
PN 35 bar	-20°C – +100°C	Compressed air a.o.	5

3-way manifolds with female thread

Thread connection	L	D	Bore	Weight	Type No.
3 x G 3/8 f	46	26	15	93	DWS 38
3 x G 1/2 f	50	27.5	19	100	DWS 12

4-way manifolds with female thread

Thread connection	L	D	Bore	Weight	Type No.
4 x G 3/8 f	61	26	15	191	VWS 38
4 x G 1/2 f	59.5	27.5	19	170	VWS 12

NEW!

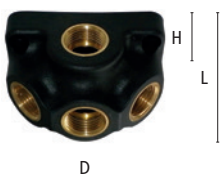
Manifold for Quick Connect Couplings

made of Plastic

- Manifold made of plastic with brass inserts
- 4-way manifold with female thread
- [For compressed air on central distribution point](#)
- For wall mounting 4 x Ø 5.5m - 70x44

Materials

- Housing: Polyamide 6 with 30% fiberglass
- Inserts: Brass MS 58 plain



Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Media	
PN 16 bar	-10°C – +50°C	15	ISO 228	4000l/min	compressed air/neutral, atoxic, non-flammable gases	1

4-way manifold with female thread

Thread connection	L	D	H	Weight	Type No.
4 x G 1/2 f	52	85	60	230	WV 12

Pneumatic Fittings

made of Brass Nickel-Plated

- For fluid-control, compressed air, automation, measure, control and regulation technology, etc.

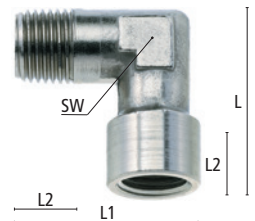
Materials

- Fittings: Brass MS 58 nickel-plated

Max. Working Pressure	Thread	Media	
PN 8 bar	ISO 228 / DIN 2999	Compressed air a.o.	10

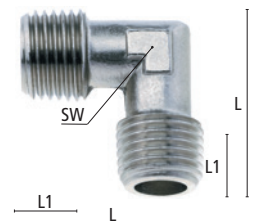
Elbow Connectors with tapered male thread and parallel female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
R 1/8 m - G 1/8 f	21	11	18.8	8	21	VL 202-18
R 1/4 m - G 1/4 f	25.5	13	24.5	11	38	VL 202-14
R 3/8 m - G 3/8 f	28	17	25.3	12	61	VL 202-38
R 1/2 m - G 1/2 f	14	21	30	14	103	VL 202-12



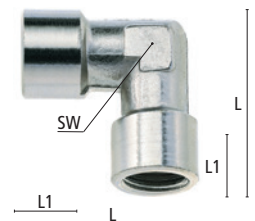
Elbow Connectors with both sides tapered male thread

Thread connection	L	SW	L1	Weight	Type No.
2 x R 1/8 m	17.8	10	8	10	VL 200-18
2 x R 1/4 m	21	11	11	21	VL 200-14
2 x R 3/8 m	25.3	13	12	38	VL 200-38
2 x R 1/2 m	28.5	17	14	61	VL 200-12



Elbow Connectors with both sides parallel female thread

Thread connection	L	SW	L1	Weight	Type No.
2 x G 1/8 f	21	11	8	23	VL 201-18
2 x G 1/4 f	25.5	13	11	42	VL 201-14
2 x G 3/8 f	28	17	12	72	VL 201-38
2 x G 1/2 f	33	21	14	116	VL 201-12



Y-Connectors with tapered male thread and 2 x parallel female thread

Thread connection	L	SW	Weight	Type No.
R 1/8 m - 2 x G 1/8 f	8	14	22	VM 204-18
R 1/4 m - 2 x G 1/4 f	11	17	43	VM 204-14
R 3/8 m - 2 x G 3/8 f	12	22	55	VM 204-38
R 1/2 m - 2 x G 1/2 f	14	26	108	VM 204-12



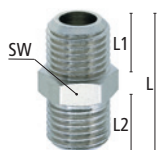
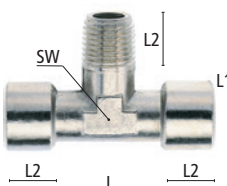
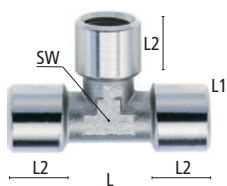
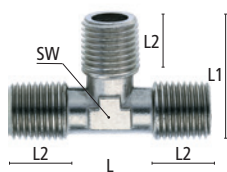
Y-Connectors with 3 x parallel female thread

Thread connection	L	SW	Weight	Type No.
3 x G 1/8 f	8	14	32	VF 204-18
3 x G 1/4 f	11	17	36	VF 204-14
3 x G 3/8 f	12	22	42	VF 204-38
3 x G 1/2 f	14	26	101	VF 204-12



Pneumatic Fittings

made of Brass Nickel-Plated



T-Adaptors with 3 x tapered male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
3 x R 1/8 m	35.5	10	17.8	8	20	VTT 208-18
3 x R 1/4 m	42	11	21	11	30	VTT 208-14
3 x R 3/8 m	50.5	13	25.3	12	56	VTT 208-38
3 x R 1/2 m	57	17	28.5	14	128	VTT 208-12

T-Adaptors with 3 x parallel female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
3 x G 1/8 f	42	11	21	8	31	VTT 200-18
3 x G 1/4 f	51	13	25.5	11	62	VTT 200-14
3 x G 3/8 f	56	17	28	12	97	VTT 200-38
3 x G 1/2 f	66	21	33	14	161	VTT 200-12

T-Adaptors with tapered male thread and 2 x parallel female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
R 1/8 m - 2 x G 1/8 f	42	11	21	8	26	VTC 206-18
R 1/4 m - 2 x G 1/4 f	51	13	25.5	11	56	VTC 206-14
R 3/8 m - 2 x G 3/8 f	56	17	28	12	91	VTC 206-38
R 1/2 m - 2 x G 1/2 f	66	21	33	14	150	VTC 206-12

Double Adaptor with both sides parallel male thread

Thread connection	L	SW	L1	Weight	Type No.
2 x G 1/8 m	16.7	14	6	10	VNC 260-18
2 x G 1/4 m	21.2	14	8	15	VNC 260-14
2 x G 3/8 m	23.2	19	9	28	VNC 260-38
2 x G 1/2 m	25.7	24	10	32	VNC 260-12
2 x G 3/4 m	29	30	11	68	VNC 260-34

Male thread sealing with PVC-packing rings type HPD (☹ page 231)

Reducing Double Adaptor with both sides parallel male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 m - G 1/4 m	19.2	17	6	8	15	VNR 261-184
G 1/8 m - G 3/8 m	20.2	19	6	9	20	VNR 261-188
G 1/8 m - G 1/2 m	24.7	24	6	10	34	VNR 261-182
G 1/4 m - G 3/8 m	22.2	19	8	9	21	VNR 261-148
G 1/4 m - G 1/2 m	23.7	24	8	10	26	VNR 261-142
G 3/8 m - G 1/2 m	24.7	24	9	10	38	VNR 261-382
G 1/2 m - G 3/4 m	27.5	28	10	11	65	VNR 261-124

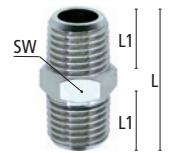
Male thread sealing with PVC-packing rings type HPD (☹ page 231)

Pneumatic Fittings

made of Brass Nickel-Plated

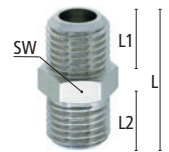
Double Adaptors with both sides tapered male thread

Thread connection	L	SW	L1	Weight	Type No.
2 x R 1/8 m	19.7	12	7.6	9	VNC 250-18
2 x R 1/4 m	27	14	11	16	VNC 250-14
2 x R 3/8 m	28.2	17	11.6	26	VNC 250-38
2 x R 1/2 m	33.5	22	14	52	VNC 250-12
2 x R 3/4 m	39	27	16.5	69	VNC 250-34



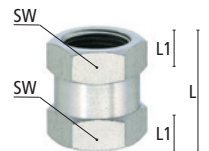
Reducing Double Adaptors with both sides tapered male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
R 1/8 m - R 1/4 m	23.6	14	7.6	11	14	VNR 251-184
R 1/8 m - R 3/8 m	24.2	17	7.6	11.6	19	VNR 251-188
R 1/4 m - R 3/8 m	26.6	17	11	11.6	23	VNR 251-148
R 1/4 m - R 1/2 m	27.6	22	11	14	40	VNR 251-142
R 3/8 m - R 1/2 m	31.5	22	11.6	14	44	VNR 251-382
R 1/2 m - R 3/4 m	37.6	27	14	16.6	68	VNR 251-124



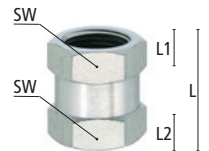
Double Adaptors with both sides parallel female thread

Thread connection	L	SW	L1	Weight	Type No.
2 x G 1/8 f	15	14	8	12	VM 254-188
2 x G 1/4 f	22	17	11	21	VM 254-144
2 x G 3/8 f	24	22	12	39	VM 254-388
2 x G 1/2 f	30	27	15	50	VM 254-122



Reducing Double Adaptors with both sides parallel female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 f - G 1/4 f	19.6	17	8	11	25	VM 255-184
G 1/4 f - G 3/8 f	23	22	11	12	47	VM 255-148
G 1/2 f - G 3/4 f	30	32	15	17	107	VM 255-124



Reducing Adaptors with parallel male and female thread

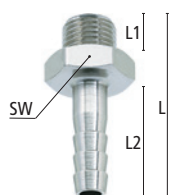
Thread connection	L	SW	L1	Weight	Type No.
G 1/8 f - G 1/4 m	13	17	8	11	VRC 100-148
G 1/4 f - G 3/8 m	14	19	9	12	VRC 100-384
G 3/8 f - G 1/2 m	15.5	24	10	24	VRC 100-128
G 1/2 f - G 3/4 m	17.5	30	12	41	VRC 100-342



Male thread sealing with PVC-packing rings type HPD (© page 231)

Pneumatic Fittings

made of Brass Nickel-Plated

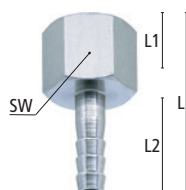


Hose barb adaptor with parallel male thread

Thread connection	Hose connection	L	SW	L1	L2	Weight	Type No.
G 1/8 m	Hose i.D. 6	32	13	7	20	10	VPG 260-186
G 1/8 m	Hose i.D. 9	32	13	7	20	13	VPG 260-189
G 1/4 m	Hose i.D. 6	34	17	9	20	16	VPG 260-146
G 1/4 m	Hose i.D. 9	34	17	9	20	19	VPG 260-149
G 3/8 m	Hose i.D. 9	35	19	10	20	24	VPG 260-389
G 3/8 m	Hose i.D. 14	39	19	10	24	29	VPG 260-3814
G 1/2 m	Hose i.D. 14	40	24	10	24	39	VPG 260-1214
G 3/4 m	Hose i.D. 20	47	30	12	28	87	VPG 260-3420

For hose clips type ZOS (☺ page 414), type HS (☺ page 415) or crimping ferrules type LPH (☺ page 418)

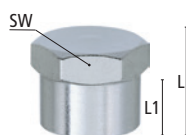
Male thread sealing with PVC-packing rings type HPD (☺ page 231)



Hose barb adaptor with parallel female thread

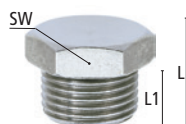
Thread connection	Hose connection	L	SW	L1	L2	Weight	Type No.
G 1/8 f	Hose i.D. 6	31	13	9	20	13	VPG 250-186
G 1/4 f	Hose i.D. 6	34	17	11	20	20	VPG 250-146
G 1/4 f	Hose i.D. 9	34	17	11	20	23	VPG 250-149
G 3/8 f	Hose i.D. 9	35	22	12	20	27	VPG 250-389
G 1/2 f	Hose i.D. 13	41.5	24	14	24	45	VPG 250-1213

For hose clips type ZOS (☺ page 414), type HS (☺ page 415) or crimping ferrules type LPH (☺ page 418)



Hexagon Locking nut with parallel female thread

Thread connection	L	SW	L1	Weight	Type No.
G 1/8 f	12	14	9	11	VE 265-18
G 1/4 f	14	17	10	17	VE 265-14
G 3/8 f	15.5	22	11	27	VE 265-38
G 1/2 f	17	24	12	28	VE 265-12
G 3/4 f	17.5	30	13	47	VE 265-34



Hexagon Locking nut with parallel male thread

Thread connection	L	SW	L1	Weight	Type No.
G 1/8 m	10.5	14	6	8	VE 261-18
G 1/4 m	13	17	8	14	VE 261-14
G 3/8 m	14	19	9	18	VE 261-38
G 1/2 m	15.5	24	10	27	VE 261-12
G 3/4 m	17.5	30	12	53	VE 261-34

Male thread sealing with PVC-packing rings type HPD (☺ page 231)

Hexagon Ball Valves

- Miniature ball valves made of brass, nickel-plated
- For pneumatic or water installations in industry, construction or civil applications

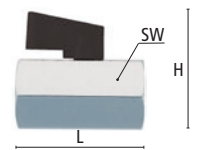
Materials

- Body: Brass MS 58 nickel-plated
- Ball: Brass MS 58 chrome-plated
- Ball sealing: PTFE
- Handle: Plastic

Max. Working Pressure	Temperature	Thread	Media	
PN 10 bar	-10°C – +90°C	ISO 228	Air / Water	10

Hexagon Ball Valves with 2 x female thread

Thread connection	L	SW	H	Bore	Weight	Type No.
2 x G 1/4 f	36	19	38	5.5	71	KM 14 TS
2 x G 3/8 f	41	21	38	8	86	KM 38 TS
2 x G 1/2 f	48	25	42	10	137	KM 12 TS



Hexagon Ball Valves with female/male thread

Thread connection	L	SW	H	Bore	Weight	Type No.
G 1/4 m - G 1/4 f	36	19	38	5.5	61	KMZ 14 TS
G 3/8 m - G 3/8 f	41	21	38	8	83	KMZ 38 TS
G 1/2 m - G 1/2 f	48	25	42	10	130	KMZ 12 TS

