

 58000 Pag. 12.4	 58003 Pag. 12.4	 58004 Pag. 12.4	 58040 Pag. 12.5	 58080 Pag. 12.5	 58085 Pag. 12.5	 58100 Pag. 12.6	 58103 Pag. 12.6	 58111 Pag. 12.6
 58113 Pag. 12.7	 58114 Pag. 12.7	 58130 Pag. 12.7	 58230 Pag. 12.7	 TB66 Pag. 12.8				

METRIC HIGH PRESSURE PUSH-TO-CONNECT FITTINGS

58 Series



58000
METRIC



TECHNICAL CHARACTERISTICS



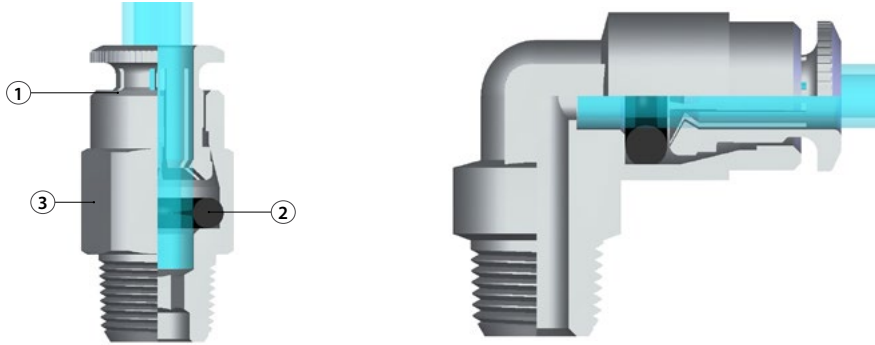
Standard Reference

1907/2006
REACH✓

2011/65/CE
RoHS✓

PED
2014/68/UE

SILICON
FREE



Component Parts and Materials

- 1 Nickel-plated Brass Collet
- 2 HNBR O-RING Seal
- 3 Nickel-plated Brass Body



Pressure Rating

MINIMUM PRESSURE:
0 BAR
0 MPA

MAXIMUM PRESSURE WITH FLUIDS:
150 BAR
15 MPA

MAXIMUM PRESSURE WITH AIR:
30 BAR*
3 MPA



Media

- Oil
- Water
- Grease



Tubing Compatibility

PLASTIC TUBES:

PA6, PA66 for High Pressure.

* PA6, PA66, PA11, PA12, Polyethylene, *Polyurethane, PEF, PTFE.

*Use from 90 to 98 Shore, for maximum performance 98 Shore A is recommended.



Temperatures Rating

HNBR
-22°F ~ 302°F
-30°C ~ 150°C



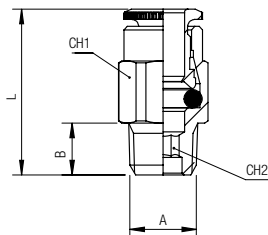
Threads

Tapered gas in conformity with ISO7.1, BS 21, DIN 2999
Metric Tapered in conformity with UNI 7707

58000

STRAIGHT MALE ADAPTOR (TAPER)

BSPT



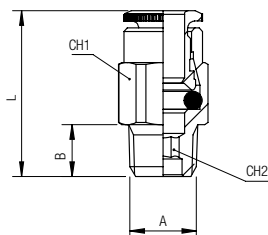
Code	Usa Ref	Tube	A	B	L	CH1	CH2	Pack.
58000 00 010	58000-4-M6X0.75	5/32 (4)	M6x0.75	.236 (6)	.866 (22)	.394 (10)	.098 (2.5)	10
58000 00 001	58000-4-M6X1	5/32 (4)	M6x1	.236 (6)	.866 (22)	.394 (10)	.098 (2.5)	10
58000 00 002	58000-4-M8X1	5/32 (4)	M8x1	.236 (6)	.787 (20)	.394 (10)	.118 (3)	10
58000 00 013	58000-4-M8X1.25	5/32 (4)	M8x1.25	.276 (7)	.906 (23)	.394 (10)	.118 (3)	10
58000 00 003	58000-4-M10X1	5/32 (4)	M10x1	.256 (6.5)	.787 (20)	.394 (10)	.118 (3)	10
58000 00 015	58000-4-M10X1.5	5/32 (4)	M10x1.5	.295 (7.5)	.886 (22.5)	.394 (10)	.118 (3)	10
58000 00 004	58000-4-1/8	5/32 (4)	1/8	.295 (7.5)	.827 (21)	.394 (10)	.118 (3)	10
58000 00 012	58000-4-1/4	5/32 (4)	1/4	.433 (11)	1.024 (26)	.551 (14)	.118 (3)	10
58000 00 011	58000-6-M6X0.75	6	M6x0.75	.236 (6)	.965 (24.5)	.472 (12)	.098 (2.5)	10
58000 00 005	58000-6-M6X1	6	M6x1	.236 (6)	.965 (24.5)	.472 (12)	.098 (2.5)	10
58000 00 006	58000-6-M8X1	6	M8x1	.236 (6)	.965 (24.5)	.472 (12)	.118 (3)	10
58000 00 016	58000-6-M8X1.25	6	M8x1.25	.276 (7)	1.024 (26)	.472 (12)	.118 (3)	10
58000 00 007	58000-6-M10X1	6	M10x1	.256 (6.5)	.846 (21.5)	.472 (12)	.118 (3)	10
58000 00 017	58000-6-M10X1.5	6	M10x1.5	.295 (7.5)	.984 (25)	.472 (12)	.157 (4)	10
58000 00 008	58000-6-1/8	6	1/8	.295 (7.5)	.906 (23)	.472 (12)	.118 (3)	10
58000 00 009	58000-6-1/4	6	1/4	.433 (11)	1.043 (26.5)	.551 (14)	.157 (4)	10

58003

STRAIGHT MALE ADAPTOR (TAPER)

NPTF

SAE

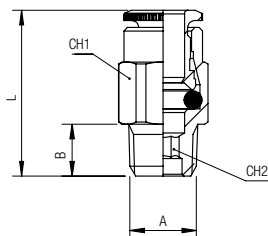


Code	Part No.	Tube	A	B	L	CH1	CH2	Pack
NPTF Thread:								
58003 00 001	58003-53-02	5/32 (4)	1/8	.335 (8.5)	.0925 (23.5)	.512 (13)	.118 (3)	10
58003 00 002	58003-53-04	5/32 (4)	1/4	.512 (13)	1.102 (28)	.591 (15)	.118 (3)	10
58003 00 006	58003-6-02	6	1/8	.335 (8.5)	.965 (24.5)	.512 (13)	.157 (4)	10
58003 00 007	58003-6-04	6	1/4	.512 (13)	1.142 (29)	.591 (15)	.157 (4)	10
SAE Thread:								
58003 00 003	58003-53-1/4-28	5/32 (4)	1/4-28	.236 (6)	.906 (23)	.394 (10)	.098 (2.5)	10
58003 00 008	58003-6-1/4-28	6	1/4-28	.236 (6)	1.024 (26)	.472 (12)	.098 (2.5)	10

58004

STRAIGHT MALE ADAPTOR - PARALLEL THREAD

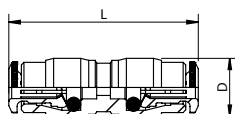
UNF



Code	Usa Ref	Tube	A	B	L	CH1	CH2	Pack.
58004 00 001	58004-53-5/16-24	5/32 (4)	5/16-24	.236 (6)	.906 (23)	.394 (10)	.098 (2.5)	10
58004 00 002	58004-6-5/16-24	6	5/16-24	.236 (6)	1.024 (26)	.472 (12)	.098 (2.5)	10

58040

STRAIGHT CONNECTOR

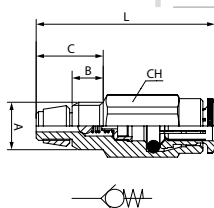


Code	Usa Ref	Tube	L	D	Pack.
58040 00 001	58040-4	5/32 (4)	1.378 (35)	.433 (11)	10
58040 00 002	58040-6	6	1.456 (37)	.511 (13)	10

58080

NON-RETURN - PUSH-IN - PARALLEL THREAD

BSPP



Code	Usa Ref	Tube	A	B	L	C	CH	Pack.
58080 00 001	58080-4-M10x1	5/32 (4)	M10x1	.256 (6,5)	1.456 (37)	.551 (14)	.394 (10)	10
58080 00 002	58080-6-M10x1	6	M10x1	.256 (6,5)	1.476 (37,5)	.551 (14)	.472 (12)	10



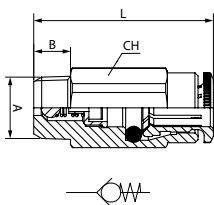
Compatible Fluids

ONLY GREASE

58085

NON-RETURN - PUSH-IN - THREAD (TAPER)

BSPT



Code	Usa Ref	Tube	A	B	L	CH	Pack.
58085 00 001	58085-4-M10x1	5/32 (4)	M10x1	.236 (6)	1.142 (29)	.394 (10)	10
58085 00 002	58085-6-M10x1	6	M10x1	.236 (6)	1.161 (29,5)	.472 (12)	10



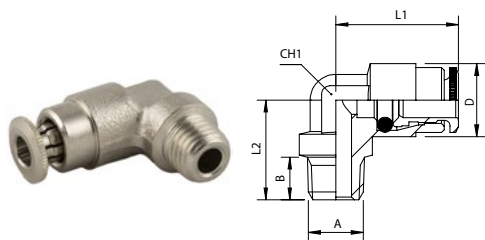
Compatible Fluids

ONLY GREASE

58100

ELBOW MALE ADAPTOR (TAPER)

BSPT



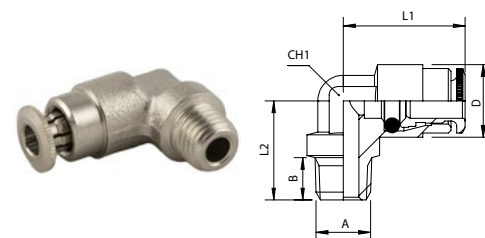
Code	Usa Ref	Tube	A	B	L1	L2	CH1	D	Pack.
58100 00 011	58100-4-M6X0.75	5/32 (4) M6x0.75		.236 (6)	.709 (18)	.590 (15)	.315 (8)	.413 (10.5)	10
58100 00 001	58100-4-M6X1	5/32 (4) M6x1		.236 (6)	.709 (18)	.590 (15)	.315 (8)	.413 (10.5)	10
58100 00 002	58100-4-M8X1	5/32 (4) M8x1		.236 (6)	.709 (18)	.590 (15)	.315 (8)	.413 (10.5)	10
58100 00 013	58100-4-M8X1.25	5/32 (4) M8x1.25		.276 (7)	.709 (18)	.590 (15)	.315 (8)	.413 (10.5)	10
58100 00 003	58100-4-M10X1	5/32 (4) M10x1		.256 (6.5)	.709 (18)	.590 (15)	.315 (8)	.413 (10.5)	10
58100 00 015	58100-4-M10X1.5	5/32 (4) M10x1.5		.295 (7.5)	.709 (18)	.650 (16.5)	.315 (8)	.413 (10.5)	10
58100 00 004	58100-4-1/8	5/32 (4) 1/8		.295 (7.5)	.709 (18)	.590 (15)	.315 (8)	.413 (10.5)	10
58100 00 016	58100-4-1/4	5/32 (4) 1/4		.433 (11)	.709 (18)	.846 (21.5)	.315 (8)	.413 (10.5)	10
58100 00 012	58100-6-M6X0.75	6 M6x0.75		.236 (6)	.827 (21)	.669 (17)	.394 (10)	.512 (13)	10
58100 00 005	58100-6-M6X1	6 M6x1		.236 (6)	.827 (21)	.669 (17)	.394 (10)	.512 (13)	10
58100 00 006	58100-6-M8X1	6 M8x1		.236 (6)	.827 (21)	.669 (17)	.394 (10)	.512 (13)	10
58100 00 010	58100-6-M8X1.25	6 M8x1.25		.276 (7)	.827 (21)	.709 (18)	.394 (10)	.512 (13)	10
58100 00 007	58100-6-M10X1	6 M10x1		.256 (6.5)	.827 (21)	.669 (17)	.394 (10)	.512 (13)	10
58100 00 017	58100-6-M10X1.5	6 M10x1.5		.295 (7.5)	.827 (21)	.669 (17)	.394 (10)	.512 (13)	10
58100 00 008	58100-6-1/8	6 1/8		.295 (7.5)	.827 (21)	.689 (17.5)	.394 (10)	.512 (13)	10
58100 00 009	58100-6-1/4	6 1/4		.433 (11)	.827 (21)	.846 (21.5)	.394 (10)	.512 (13)	10

58103

ELBOW MALE ADAPTOR (TAPER)

NPTF

SAE

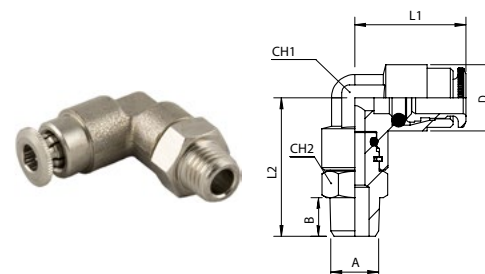


Code	Part No.	Tube	A	B	L1	L2	CH1	D	Pack
NPTF Thread:									
58103 00 001	58103-53-02	5/32 (4)	1/8	.335 (8,5)	.709 (18)	.669 (17)	.315 (8)	.413 (10,5)	10
58103 00 002	58103-53-04	5/32 (4)	1/4	.512 (13)	.709 (18)	.925 (23,5)	.315 (8)	.413 (10,5)	10
58103 00 006	58103-6-02	6	1/8	.335 (8,5)	.827 (21)	.768 (19,5)	.394 (10)	.512 (13)	10
58103 00 007	58103-6-04	6	1/4	.512 (13)	.827 (21)	.925 (23,5)	.394 (10)	.512 (13)	10
SAE Thread:									
58103 00 003	58103-53-1/4-28	5/32 (4)	1/4-28	.236 (6)	.709 (18)	.591 (15)	.315 (8)	.413 (10,5)	10
58103 00 008	58103-6-1/4-28	6	1/4-28	.236 (6)	.827 (21)	.669 (17)	.394 (10)	.512 (13)	10

58111

ORIENTING ELBOW MALE ADAPTOR (TAPER)

BSPT



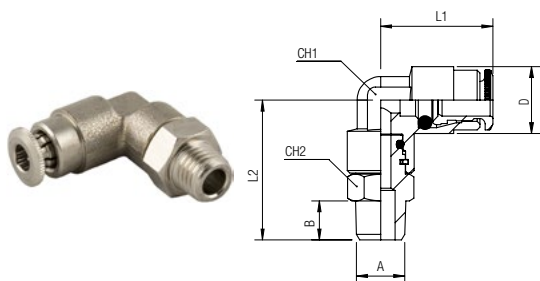
Code	Usa Ref	Tube	A	B	L1	L2	CH1	CH2	D	Pack.
58111 00 001	58111 -4-M6X1	5/32 (4) M6x1		.236 (6)	.709 (18)	.886 (22.5)	.315 (8)	.433 (11)	.413 (10.5)	10
58111 00 002	58111 -4-M8X1	5/32 (4) M8x1		.236 (6)	.709 (18)	.886 (22.5)	.315 (8)	.433 (11)	.413 (10.5)	10
58111 00 013	58111 -4-M8X1.25	5/32 (4) M8x1.25		.276 (7)	.709 (18)	1.043 (26.5)	.315 (8)	.433 (11)	.413 (10.5)	10
58111 00 003	58111 -4-M10X1	5/32 (4) M10x1		.256 (6.5)	.709 (18)	.886 (22.5)	.315 (8)	.433 (11)	.413 (10.5)	10
58111 00 015	58111 -4-M10X1.5	5/32 (4) M10x1.5		.295 (7.5)	.709 (18)	1.043 (26.5)	.315 (8)	.433 (11)	.413 (10.5)	10
58111 00 004	58111 -4-1/8	5/32 (4) 1/8		.295 (7.5)	.709 (18)	.945 (24)	.315 (8)	.433 (11)	.413 (10.5)	10
58111 00 010	58111 -4-1/4	5/32 (4) 1/4		.433 (11)	.709 (18)	1.043 (26.5)	.315 (8)	.551 (14)	.413 (10.5)	10
58111 00 005	58111 -6-M6X1	6 M6x1		.236 (6)	.827 (21)	1.004 (25.5)	.394 (10)	.433 (11)	.512 (13)	10
58111 00 006	58111 -6-M8X1	6 M8x1		.236 (6)	.827 (21)	1.004 (25.5)	.394 (10)	.433 (11)	.512 (13)	10
58111 00 016	58111 -6-M8X1.25	6 M8x1.25		.276 (7)	.827 (21)	1.043 (26.5)	.394 (10)	.433 (11)	.512 (13)	10
58111 00 007	58111 -6-M10X1	6 M10x1		.256 (6.5)	.827 (21)	.886 (22.5)	.394 (10)	.433 (11)	.512 (13)	10
58111 00 017	58111 -6-M10X1.5	6 M10x1.5		.295 (7.5)	.827 (21)	1.063 (27)	.394 (10)	.433 (11)	.512 (13)	10
58111 00 008	58111 -6-1/8	6 1/8		.295 (7.5)	.827 (21)	1.063 (27)	.394 (10)	.433 (11)	.512 (13)	10
58111 00 009	58111 -6-1/4	6 1/4		.433 (11)	.827 (21)	1.181 (30)	.394 (10)	.551 (14)	.512 (13)	10

58113

ORIENTING ELBOW MALE ADAPTOR (TAPER)

NPTF

SAE

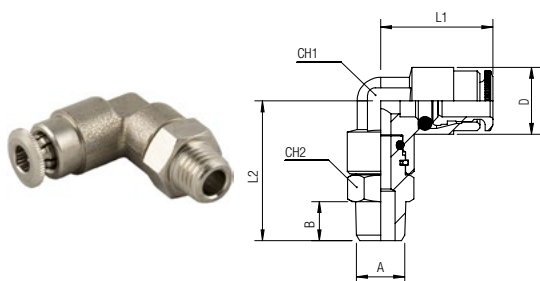


Code	Part No.	Tube	A	B	L1	L2	CH1	CH2	D	Pack
NPTF Thread:										
58113 00 001	58113-53-02	5/32 (4)	1/8	.335 (8,5)	.709 (18)	.984 (25)	.315 (8)	.512 (13)	.413 (10,5)	10
58113 00 002	58113-53-04	5/32 (4)	1/4	.512 (13)	.709 (18)	1.181 (30)	.315 (8)	.591 (15)	.413 (10,5)	10
58113 00 006	58113-6-02	6	1/8	.335 (8,5)	.827 (21)	1.102 (28)	.394 (10)	.512 (13)	.512 (13)	10
58113 00 007	58113-6-04	6	1/4	.512 (13)	.827 (21)	1.280 (32,5)	.394 (10)	.591 (15)	.512 (13)	10
SAE Thread:										
58113 00 003	58113-53-1/4-28	5/32 (4)	1/4-28	.236 (6)	.709 (18)	.945 (24)	.315 (8)	.433 (11)	.413 (10,5)	10
58113 00 008	58113-6-1/4-28	6	1/4-28	.236 (6)	.827 (21)	1.063 (27)	.394 (10)	.512 (13)	.512 (13)	10

58114

ORIENTING ELBOW MALE ADAPTOR - PARALLEL THREAD

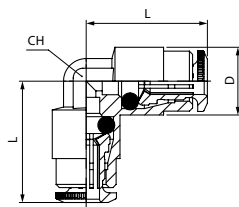
UNF



Code	Part No.	Tube	A	B	L1	L2	CH1	CH2	D	Pack
58114 00 001	58114-53-5/16-24	5/32 (4) 5/16-24		.236 (6)	.709 (18)	1.043 (26,5)	.315 (8)	.433 (11)	.413 (10,5)	10
58114 00 002	58114-6-5/16-24	6 5/16-24		.236 (6)	.827 (21)	1.161 (29,5)	.394 (10)	.512 (13)	.512 (13)	10

58130

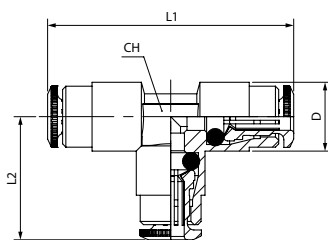
ELBOW CONNECTOR



Code	Usa Ref	Tube	L	CH	D	Pack.
58130 00 001	58130-4	5/32 (4)	.709 (18)	.315 (8)	.414 (10,5)	10
58130 00 002	58130-6	6	.827 (21)	.394 (10)	.512 (13)	10

58230

TEE CONNECTOR



Code	Usa Ref	Tube	L1	L2	CH	D	Pack.
58230 00 001	58230-4	5/32 (4)	1.417 (36)	.709 (18)	.315 (8)	.414 (10,5)	10
58230 00 002	58230-6	6	1.614 (41)	.827 (21)	.394 (10)	.512 (13)	10

POLYAMIDE TUBE

TB66

POLYAMIDE SEMIRIGID TUBE



Code	Color	External Ø	Internal Ø	Bending Radius	Working Pressure	Burst Pressure	Pack.
		mm	mm	mm	at 20°C bar	at 20°C bar	Mt
TB66 00 420	NT	4 (5/32)	2	25	100	300	100
TB66 00 630	NT	6	3	45	100	300	100



Temperature Range



0 °C
+ 100 °C

Table of pressure values expressed in% as a function of temperature.

20°	30°	40°	50°	60°	70°	80°
100%	83%	72%	64%	58%	52%	47%