AIGNEP

58000 Series



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Click here to view the 58000 Series on our Website

AIGNEP

AIGNEP

METRIC HIGH PRESSURE PUSH-TO-CONNECT FITTINGS



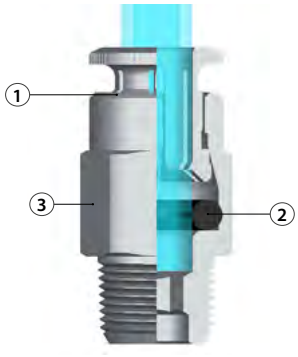
58 Series

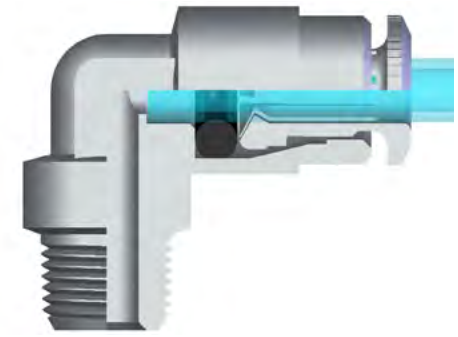
58000
METRIC

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 psi
0 bar
0 MPa

MAXIMUM PRESSURE WITH FLUIDS:
2175 psi
150 bar
15 MPa

MAXIMUM PRESSURE WITH AIR:
435 psi ✻
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.*

Temperature Rating

HNBR	-22 °F ~ 302 °F
	-30 °C ~ 150 °C

Threads

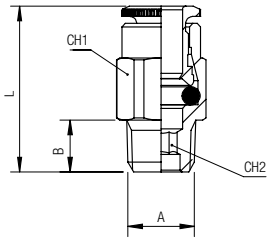
Tapered gas in conformity with ISO7.1, BS 21, DIN 2999
Metric Tapered in conformity with UNI 7707

58000

BSPT

STRAIGHT MALE ADAPTOR (TAPER)





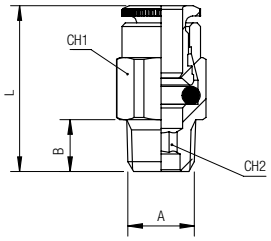
Code	Usa Ref	Tube	A	B	L	CH1	CH2	Pack.
58000 00 010	58000-4-M6X0.75	5/32 (4)	M6x0.75	.236 (6)	.866 (22)	.394 (10)	.098 (2.5)	10
58000 00 001	58000-4-M6X1	5/32 (4)	M6x1	.236 (6)	.866 (22)	.394 (10)	.098 (2.5)	10
58000 00 002	58000-4-M8X1	5/32 (4)	M8x1	.236 (6)	.787 (20)	.394 (10)	.118 (3)	10
58000 00 013	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	.236 (6)	.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	.236 (6)	.846 (21.5)	.472 (12)	.157 (4)	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)	.157 (4)	10
58000 00 009	58000-6-1/4	6	1/4	.433 (11)	1.043 (26.5)	.551 (14)	.157 (4)	10

58003

NPTF SAE

STRAIGHT MALE ADAPTOR (TAPER)





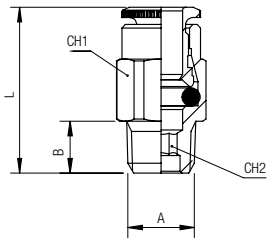
Code	Usa Ref	Tube	A	B	L	CH1	CH2	Pack
NPTF Thread:								
58003 00 001	58003-53-02	5/32 (4)	1/8	.335 (8.5)	.0.925 (23,5)	.512 (13)	.118 (3)	10
58003 00 002	58003-53-04	5/32 (4)	1/4	.512 (13)	1.102 (28)	.591 (15)	.118 (3)	10
58003 00 006	58003-6-02	6	1/8	.335 (8.5)	.965 (24.5)	.512 (13)	.157 (4)	10
58003 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

UNF

STRAIGHT MALE ADAPTOR - PARALLEL THREAD





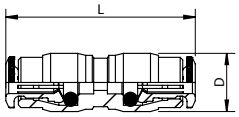
Code	Usa Ref	Tube	A	B	L	CH1	CH2	Pack.
58004 00 001	58004-53-5/16-24	5/32 (4)	5/16-24	.236 (6)	.906 (23)	.394 (10)	.098 (2.5)	10
58004 00 002	58004-6-5/16-24	6	5/16-24	.236 (6)	1.024 (26)	.472 (12)	.098 (2.5)	10

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	1.457 (37)	.512 (13)	10





58080

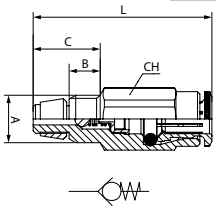
BSPP

NON-RETURN - PUSH-IN - PARALLEL THREAD

Code	Usa Ref	Tube	A	B	L	C	CH	Pack.
58080 00 001	58080-4-M10x1	5/32 (4)	M10x1	.256 (6.5)	1.457 (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

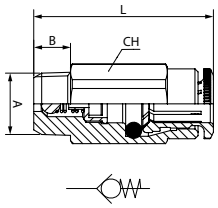
BSPT

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

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

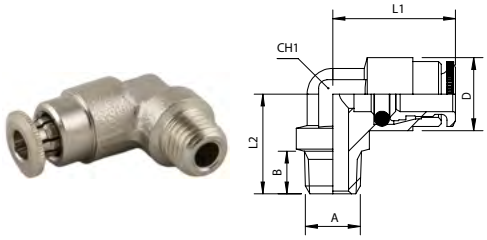




58100

BSPT

ELBOW MALE ADAPTOR (TAPER)

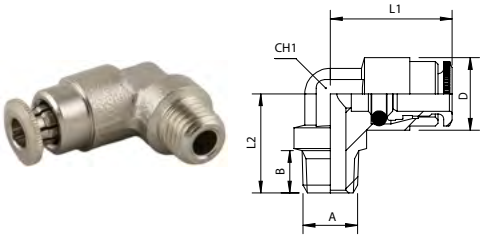


Code	Usa Ref	Tube	A	B	L1	L2	CH1	D	Pack.
58100 00 011	58100-4-M6X0.75	5/32 (4)	M6x0,75	.236 (6)	.709 (18)	.591 (15)	.315 (8)	.413 (10.5)	10
58100 00 001	58100-4-M6X1	5/32 (4)	M6x1	.236 (6)	.709 (18)	.591 (15)	.315 (8)	.413 (10.5)	10
58100 00 002	58100-4-M8X1	5/32 (4)	M8x1	.236 (6)	.709 (18)	.591 (15)	.315 (8)	.413 (10.5)	10
58100 00 013	58100-4-M8X1.25	5/32 (4)	M8x1.25	.276 (7)	.709 (18)	.591 (15)	.315 (8)	.413 (10.5)	10
58100 00 003	58100-4-M10X1	5/32 (4)	M10x1	.256 (6.5)	.709 (18)	.591 (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)	.591 (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

NPTF SAE

ELBOW MALE ADAPTOR (TAPER)

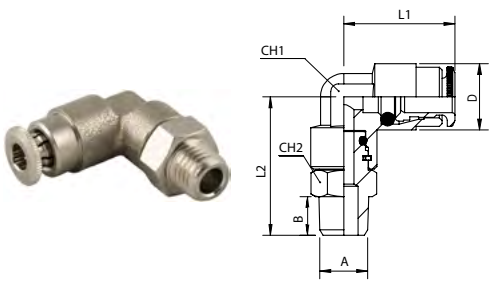


Code	Usa Ref	Tube	A	B	L1	L2	CH1	D	Pack
NPTF Thread:									
58103 00 001	58103-53-02	5/32 (4)	1/8	.335 (8.5)	.709 (18)	.669 (17)	.315 (8)	.413 (10.5)	10
58103 00 002	58103-53-04	5/32 (4)	1/4	.512 (13)	.709 (18)	.925 (23.5)	.315 (8)	.413 (10.5)	10
58103 00 006	58103-6-02	6	1/8	.335 (8.5)	.827 (21)	.768 (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

BSPT

ORIENTING ELBOW MALE ADAPTOR (TAPER)



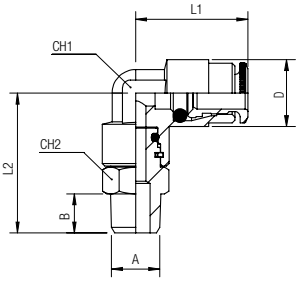
Code	Usa Ref	Tube	A	B	L1	L2	CH1	CH2	D	Pack.
58111 00 001	58111 -4-M6X1	5/32 (4)	M6x1	.236 (6)	.709 (18)	.886 (22.5)	.315 (8)	.433 (11)	.413 (10.5)	10
58111 00 002	58111 -4-M8X1	5/32 (4)	M8x1	.236 (6)	.709 (18)	.886 (22.5)	.315 (8)	.433 (11)	.413 (10.5)	10
58111 00 013	58111 -4-M8X1.25	5/32 (4)	M8x1.25	.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

NPTF SAE

ORIENTING ELBOW MALE ADAPTOR (TAPER)





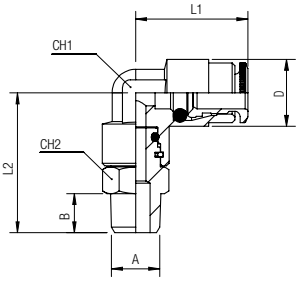
Code	Usa Ref	Tube	A	B	L1	L2	CH1	CH2	D	Pack
NPTF Thread:										
58113 00 001	58113-53-02	5/32 (4)	1/8	.335 (8.5)	.709 (18)	.984 (25)	.315 (8)	.512 (13)	.413 (10.5)	10
58113 00 002	58113-53-04	5/32 (4)	1/4	.512 (13)	.709 (18)	1.181 (30)	.315 (8)	.591 (15)	.413 (10.5)	10
58113 00 006	58113-6-02	6	1/8	.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

UNF

ORIENTING ELBOW MALE ADAPTOR - PARALLEL THREAD



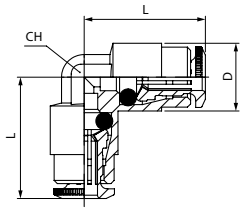


Code	Usa Ref	Tube	A	B	L1	L2	CH1	CH2	D	Pack
58114 00 001	58114-53-5/16-24	5/32 (4)	5/16-24	.236 (6)	.709 (18)	1.043 (26.5)	.315 (8)	.433 (11)	.413 (10.5)	10
58114 00 002	58114-6-5/16-24	6	5/16-24	.236 (6)	.827 (21)	1.161 (29.5)	.394 (10)	.512 (13)	.512 (13)	10

58130

ELBOW CONNECTOR



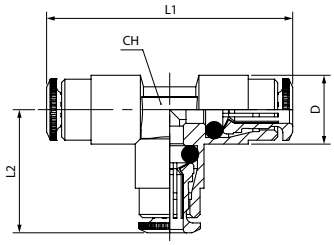


Code	Usa Ref	Tube	L	CH	D	Pack.
58130 00 001	58130-4	5/32 (4)	.709 (18)	.315 (8)	.413 (10.5)	10
58130 00 002	58130-6	6	.827 (21)	.394 (10)	.512 (13)	10

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)	.413 (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 68°F (20°C) bar	at 68°F (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

- 40 °F / - 40 °C
+ 176 °F / + 80 °C

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

68°F / 20°C	86°F / 30°C	104°F / 40°C	122°F / 50°C	140°F / 60°C	158°F / 70°C	176°F / 80°C
100%	83%	72%	64%	58%	52%	47%