AIGNEP

60000 Series



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Click here to view the 60000 Metric Series on our Website



AIGNEP

AIGNEP

METRIC STAINLESS STEEL PUSH-TO-CONNECT FITTINGS



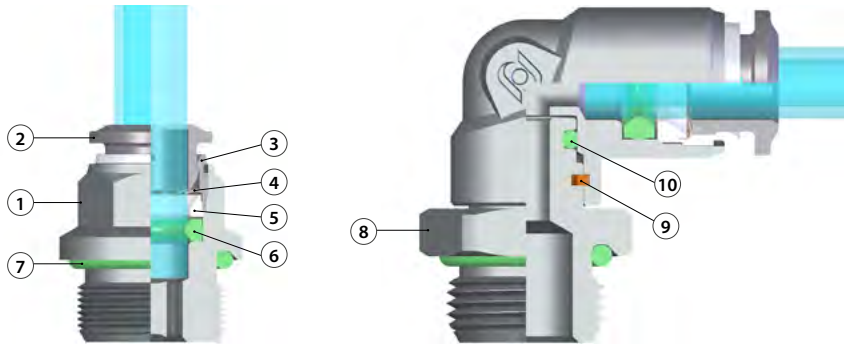
60 Series

60000
METRIC

TECHNICAL CHARACTERISTICS

Standard Reference

1907/2006 REACH ✓ | 2011/65/CE RoHS | PED 2014/68/UE | ISO 14743:2020 | SILICON FREE



Component Parts and Materials

1. AISI 316L steel body
2. AISI 316L steel collet
3. AISI 316L steel capsule
4. AISI 316L steel clamping washer
5. PPSU safety ring
6. Food FKM molded seal
7. Food FKM thread seal
8. AISI 316L steel threaded base
9. Seeger
10. Food FKM molded seal

Pressure Rating

Vacuum ~ 290 psi
-0.99 bar ~ 20 bar
-0.099 MPa ~ 2.0 MPa

Temperature Rating

FKM	5 °F ~ 374 °F
	-15 °C ~ 190 °C

Media

- Compressed Air
- Vacuum
- Water
- Steam

Tubing Compatibility

Nylon 6 - 11 -12
Polyethylene
Polyurethane (98 Shore A for best results)
PTFE
FEP

SWIFTFIT Universal thread

One fitting... Endless possibilities

NPT NPTF TAPERED	ISO 7 BSPP - PF PARALLEL	ISO 7 BSPT - PT TAPERED	ISO 228 BSP PARALLEL



INCLINED CONCAVE CONVEX

Torque Specifications

Recommended Torque		
Thread Size	**Min.**	**Max.**
1/8	5 Nm	7 Nm
1/4	5 Nm	7 Nm
3/8	5 Nm	7 Nm
1/2	5 Nm	7 Nm

All SWIFTFIT fittings have been equipped with threads and an NBR thread seal that will universally connect to all thread types.
Our SWIFTFIT universal fittings also work on non-flat surfaces without compromising their airtight seal.

BSP Threads

Standard ISO 228 and ISO R/262

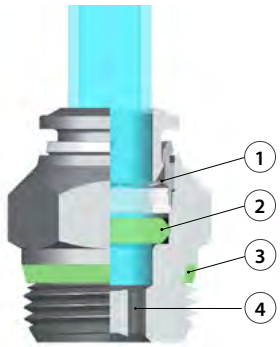
Designed for use in BSP connections with an integrated NBR O-ring that provides a perfect seal

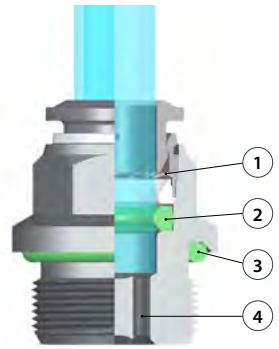


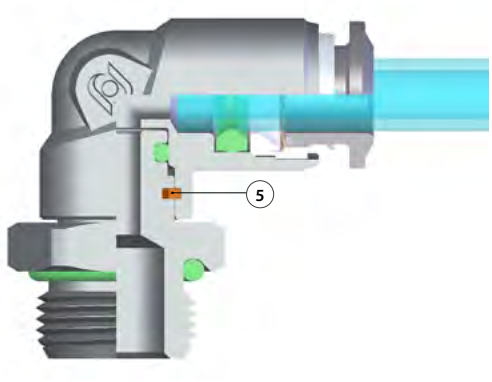
Torque Specifications

Recommended Torque		
Thread Size	**Min.**	**Breaking torque**
M5	0.8 Nm	3.2 Nm
1/2	3 Nm	8 Nm
1/4	9 Nm	30 Nm
3/8	10 Nm	60 Nm
1/2	12 Nm	50 Nm

Advantages







Advantages

1 The washer is made in stainless steel ensures the perfect tube clamping with every kind of material without damage the surface. The connection between the tube and the fitting ensures a total tightness even in severe conditions such as impact and vibrations.

2 The particular geometric shape of the seal ensures the perfect tightness even with vacuum.

3 All of threads from this range have been equipped with tightening parts which allow the direct assembly of the fittings, reducing the installation time.

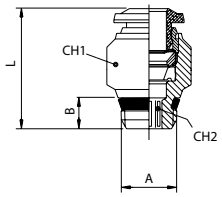
4 All the straight fittings can be assembled also with Allen wrench and it is possible to use them in reduced spaces.

5 Orienting fitting with safety ring Inside. Improved durability to the rotation and traction.

60005

STRAIGHT MALE





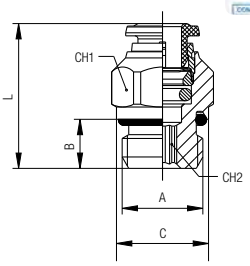
Code	Usa Ref	Tube	A	B	L	CH1	CH2	Pack.
60005 00 001	60005-53-02	4 (5/32)	1/8	.217 (5.5)	.689 (17.5)	.433 (11)	.118 (3)	10
60005 00 002	60005-53-04	4 (5/32)	1/4	.276 (7)	.768 (19.5)	.551 (14)	.118 (3)	10
60005 00 005	60005-6-1/8	6	1/8	.217 (5.5)	.846 (21.5)	.512 (13)	.157 (4)	10
60005 00 006	60005-6-1/4	6	1/4	.276 (7)	.807 (20.5)	.591 (15)	.157 (4)	10
60005 00 003	60005-05-02	8 (5/16)	1/8	.217 (5.5)	.945 (24)	.551 (14)	.197 (5)	10
60005 00 004	60005-05-04	8 (5/16)	1/4	.276 (7)	.846 (21.5)	.551 (14)	.236 (6)	10
60005 00 007	60005-10-1/4	10	1/4	.276 (7)	1.083 (27.5)	.669 (17)	.276 (7)	10
60005 00 008	60005-10-3/8	10	3/8	.295 (7.5)	1.083 (27.5)	.669 (17)	.315 (8)	10
60005 00 009	60005-10-1/2	10	1/2	.354 (9)	1.083 (27.5)	.827 (21)	.315 (8)	10
60005 00 010	60005-12-3/8	12	3/8	.295 (7.5)	1.220 (31)	.787 (20)	.354 (9)	10
60005 00 011	60005-12-1/2	12	1/2	.354 (9)	1.220 (31)	.827 (21)	.394 (10)	10

60020

STRAIGHT MALE ADAPTOR (PARALLEL)

BSP





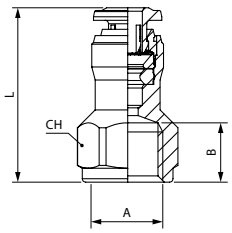
Code	Usa Ref	Tube	A	B	C	L	CH1	CH2	Pack.
60020 00 011	60020-4-M5	5/32 (4)	M5	.157 (4)	.315 (8)	.787 (20)	.394 (10)	.079 (2)	5
60020 00 001	60020-4-1/8	5/32 (4)	1/8	.236 (6)	.512 (13)	.768 (19.5)	.394 (10)	.118 (3)	5
60020 00 002	60020-4-1/4	5/32 (4)	1/4	.315 (8)	.591 (15)	.768 (19.5)	.591 (15)	.118 (3)	5
60020 00 013	60020-6-M5	6	M5	.157 (4)	.394 (10)	.906 (23)	.472 (12)	.079 (2)	5
60020 00 003	60020-6-1/8	6	1/8	.236 (6)	.512 (13)	.925 (23.5)	.512 (13)	.157 (4)	5
60020 00 004	60020-6-1/4	6	1/4	.315 (8)	.591 (15)	.925 (23.5)	.591 (15)	.157 (4)	5
60020 00 005	60020-8-1/8	5/16 (8)	1/8	.236 (6)	.512 (13)	1.004 (25.5)	.551 (14)	.197 (5)	5
60020 00 006	60020-8-1/4	5/16 (8)	1/4	.315 (8)	.591 (15)	.925 (23.5)	.591 (15)	.236 (6)	5
60020 00 007	60020-10-1/4	10	1/4	.315 (8)	.630 (16)	1.181 (30)	.669 (17)	.315 (8)	2
60020 00 008	60020-10-3/8	10	3/8	.354 (9)	.787 (20)	1.063 (27)	.669 (17)	.315 (8)	2
60020 00 012	60020-10-1/2	10	1/2	.394 (10)	.984 (25)	1.181 (30)	.866 (22)	.315 (8)	2
60020 00 009	60020-12-3/8	12	3/8	.354 (9)	.827 (21)	1.339 (34)	.827 (21)	.315 (8)	2
60020 00 010	60020-12-1/2	12	1/2	.394 (10)	.984 (25)	1.220 (31)	.866 (22)	.394 (10)	2
60020 00 014	60020-14-1/2	14	1/2	.394 (10)	.984 (25)	1.260 (32)	.866 (22)	.433 (11)	2
60020 00 015	60020-16-3/8	16	3/8	.354 (9)	.945 (24)	1.417 (36)	.945 (24)	.394 (10)	2
60020 00 016	60020-16-1/2	16	1/2	.394 (10)	.984 (25)	1.457 (37)	.984 (25)	.472 (12)	2

60030

STRAIGHT FEMALE ADAPTOR

BSP

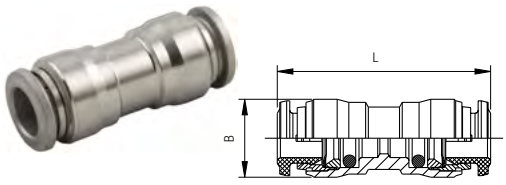




Code	Usa Ref	Tube	A	B	L	CH	Pack.
60030 00 001	60030-4-1/8	5/32 (4)	1/8	.335 (8.5)	.984 (25)	.512 (13)	5
60030 00 003	60030-6-1/8	6	1/8	.335 (8.5)	1.024 (26)	.512 (13)	5
60030 00 004	60030-6-1/4	6	1/4	.433 (11)	1.161 (29.5)	.630 (16)	5
60030 00 005	60030-8-1/8	5/16 (8)	1/8	.335 (8.5)	1.063 (27)	.591 (15)	5
60030 00 006	60030-8-1/4	5/16 (8)	1/4	.433 (11)	1.161 (29.5)	.669 (17)	5

60040

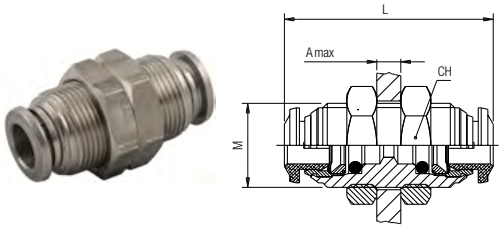
STRAIGHT CONNECTOR



Code	Usa Ref	Tube	L	B	Pack.
60040 00 001	60040-53	5/32(4)	1.220 (31)	.413 (10.5)	5
60040 00 007	60040-6-4	6-5/32(4)	1.220 (31)	.492 (12.5)	5
60040 00 002	60040-6	6	1.378 (35)	.492 (12.5)	5
60040 00 008	60040-8-6	5/16(8)-6	1.358 (34.5)	.571 (14.5)	5
60040 00 003	60040-8	5/16(8)	1.437 (36.5)	.571 (14.5)	5
60040 00 009	60040-10-8	10-5/16(8)	1.496 (38)	.689 (17.5)	2
60040 00 004	60040-10	10	1.654 (42)	.689 (17.5)	2
60040 00 010	60040-12-10	12-10	1.732 (44)	.807 (20.5)	2
60040 00 005	60040-12	12	1.890 (48)	.807 (20.5)	2
60040 00 006	60040-14	14	1.752 (44.5)	.846 (21.5)	2
60040 00 012	60040-16-12	16-12	2.067 (52.5)	.945 (24)	2
60040 00 011	60040-16	16	2.106 (53.5)	.945 (24)	2

60050

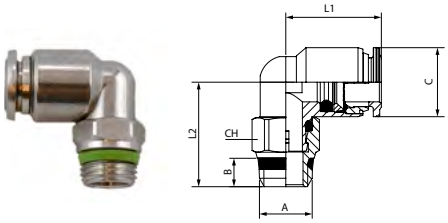
BULKHEAD CONNECTOR



Code	Usa Ref	Tube	M	L	CH	A max	Pack.
60050 00 001	60050-53	5/32 (4)	M12x1	1.220 (31)	.669 (17)	.276 (7)	5
60050 00 002	60050-6	6	M14x1	1.378 (35)	.669 (17)	.374 (9.5)	5
60050 00 003	60050-05	5/16 (8)	M16x1	1.457 (37)	.748 (19)	.413 (10.5)	5
60050 00 004	60050-10	10	M20x1	1.654 (42)	.945 (24)	.492 (12.5)	2
60050 00 005	60050-12	12	M22x1	1.890 (48)	1.024 (26)	.650 (16.5)	2
60050 00 007	60050-16	16	M27x1,5	2.106 (53.5)	1.260 (32)	.413 (10.5)	2

60111X

SWIVEL ELBOW



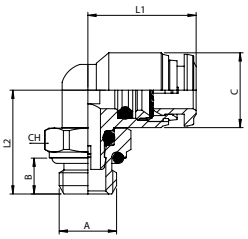
Code	Usa Ref	Tube	A	B	C	L1	L2	CH	Pack
60111 X0 001	60111X-53-02	4 (5/32)	1/8	.217 (5.5)	.394 (10)	.610 (15.5)	.610 (15.5)	.433 (11)	10
60111 X0 002	60111X-53-04	4 (5/32)	1/4	.276 (7)	.394 (10)	.610 (15.5)	.689 (17.5)	.591 (15)	10
60111 X0 005	60111X-6-1/8	6	1/8	.217 (5.5)	.492 (12.5)	.709 (18)	.669 (17)	.433 (11)	10
60111 X0 006	60111X-6-1/4	6	1/4	.276 (7)	.492 (12.5)	.709 (18)	.748 (19)	.591 (15)	10
60111 X0 003	60111X-05-02	8 (5/16)	1/8	.217 (5.5)	.571 (14.5)	.787 (20)	.846 (21.5)	.472 (12)	10
60111 X0 004	60111X-05-04	8 (5/16)	1/4	.276 (7)	.571 (14.5)	.787 (20)	.846 (21.5)	.591 (15)	10
60111 X0 007	60111X-10-1/4	10	1/4	.276 (7)	.669 (17)	.925 (23.5)	1.004 (25.5)	.591 (15)	10
60111 X0 008	60111X-10-3/8	10	3/8	.295 (7.5)	.669 (17)	.925 (23.5)	.925 (23.5)	.669 (17)	10
60111 X0 009	60111X-10-1/2	10	1/2	.354 (9)	.669 (17)	.925 (23.5)	1.063 (27)	.827 (21)	10
60111 X0 010	60111X-12-3/8	12	3/8	.295 (7.5)	.807 (20.5)	1.083 (27.5)	1.024 (26)	.669 (17)	10
60111 X0 011	60111X-12-1/2	12	1/2	.354 (9)	.807 (20.5)	1.083 (27.5)	1.063 (27)	.827 (21)	10

60115X

BSP

ORIENTING ELBOW MALE ADAPTOR (PARALLEL)



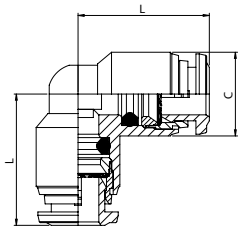


Code	Usa Ref	Tube	A	B	C	L1	L2	CH	Pack.
60115 X0 012	60115X-4-M5	5/32 (4)	M5	.157 (4)	.394 (10)	.610 (15.5)	.630 (16)	.315 (8)	5
60115 X0 001	60115X-4-1/8	5/32 (4)	1/8	.236 (6)	.394 (10)	.610 (15.5)	.630 (16)	.512 (13)	5
60115 X0 002	60115X-4-1/4	5/32 (4)	1/4	.315 (8)	.394 (10)	.610 (15.5)	.728 (18.5)	.591 (15)	5
60115 X0 013	60115X-6-M5	6	M5	.157 (4)	.492 (12.5)	.709 (18)	.689 (17.5)	.315 (8)	5
60115 X0 003	60115X-6-1/8	6	1/8	.236 (6)	.492 (12.5)	.709 (18)	.689 (17.5)	.512 (13)	5
60115 X0 004	60115X-6-1/4	6	1/4	.315 (8)	.492 (12.5)	.709 (18)	.787 (20)	.591 (15)	5
60115 X0 015	60115X-6-3/8	6	3/8	.354 (9)	.492 (12.5)	.709 (18)	.906 (23)	.787 (20)	5
60115 X0 005	60115X-8-1/8	5/16 (8)	1/8	.236 (6)	.571 (14.5)	.787 (20)	.906 (23)	.512 (13)	5
60115 X0 006	60115X-8-1/4	5/16 (8)	1/4	.315 (8)	.571 (14.5)	.787 (20)	.827 (21)	.591 (15)	5
60115 X0 016	60115X-8-3/8	5/16 (8)	3/8	.354 (9)	.571 (14.5)	.787 (20)	.945 (24)	.787 (20)	5
60115 X0 007	60115X-10-1/4	10	1/4	.315 (8)	.669 (17)	.925 (23.5)	1.083 (27.5)	.591 (15)	2
60115 X0 008	60115X-10-3/8	10	3/8	.354 (9)	.669 (17)	.925 (23.5)	.984 (25)	.787 (20)	2
60115 X0 009	60115X-10-1/2	10	1/2	.394 (10)	.669 (17)	.925 (23.5)	1.043 (26.5)	.984 (25)	2
60115 X0 010	60115X-12-3/8	12	3/8	.354 (9)	.807 (20.5)	1.083 (27.5)	1.201 (30.5)	.787 (20)	2
60115 X0 011	60115X-12-1/2	12	1/2	.394 (10)	.807 (20.5)	1.083 (27.5)	1.122 (28.5)	.984 (25)	2
60115 X0 014	60115X-14-1/2	14	1/2	.394 (10)	.846 (21.5)	1.083 (27.5)	1.299 (33)	.984 (25)	2
60115 X0 017	60115X-16-1/2	16	1/2	.394 (10)	.945 (24)	1.299 (33)	1.417 (36)	.984 (25)	2

60130X

ELBOW CONNECTOR



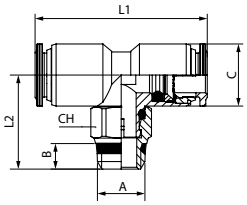


Code	Usa Ref	Tube	C	L	Pack.
60130 X0 001	60130X-53	5/32 (4)	.394 (10)	.630 (16)	5
60130 X0 002	60130X-6	6	.492 (12.5)	.768 (19.5)	5
60130 X0 003	60130X-05	5/16 (8)	.571 (14.5)	.827 (21)	5
60130 X0 004	60130X-10	10	.669 (17)	.965 (24.5)	2
60130 X0 005	60130X-12	12	.807 (20.5)	1.142 (29)	2
60130 X0 006	60130X-14	14	.846 (21.5)	1.122 (28.5)	2
60130 X0 007	60130X-16	16	.945 (24)	1.299 (33)	2

60211X

SWIVEL BRANCH TEE





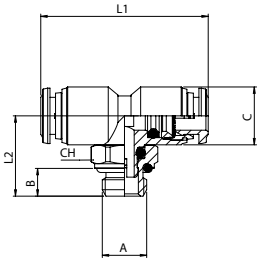
Code	Usa Ref	Tube	A	B	C	L1	L2	CH	Pack
60211 X0 001	60211X-53-02	4 (5/32)	1/8	.217 (5.5)	.394 (10)	1.201 (30.5)	.610 (15.5)	.433 (11)	10
60211 X0 002	60211X-53-04	4 (5/32)	1/4	.276 (7)	.394 (10)	1.201 (30.5)	.689 (17.5)	0.591 (15	10
60211 X0 005	60211X-6-1/8	6	1/8	.217 (5.5)	.492 (12.5)	1.417 (36)	.669 (17)	.433 (11)	10
60211 X0 006	60211X-6-1/4	6	1/4	.276 (7)	.492 (12.5)	1.417 (36)	.748 (19)	.591 (15)	10
60211 X0 003	60211X-05-02	8 (5/16)	1/8	.217 (5.5)	.571 (14.5)	1.575 (40)	.846 (21.5)	.472 (12)	10
60211 X0 004	60211X-05-04	8 (5/16)	1/4	.276 (7)	.571 (14.5)	1.575 (40)	.846 (21.5)	.591 (15)	10
60211 X0 007	60211X-10-1/4	10	1/4	.276 (7)	.669 (17)	1.850 (47)	1.004 (25.5)	.591 (15)	10
60211 X0 008	60211X-10-3/8	10	3/8	.295 (7.5)	.669 (17)	1.850 (47)	.925 (23.5)	.669 (17)	10
60211 X0 009	60211X-10-1/2	10	1/2	.354 (9)	.669 (17)	1.850 (47)	1.063 (27)	.827 (21)	10
60211 X0 010	60211X-12-3/8	12	3/8	.295 (7.5)	.807 (20.5)	2.165 (55)	1.024 (26)	.669 (17)	10
60211 X0 011	60211X-12-1/2	12	1/2	.354 (9)	.807 (20.5)	2.165 (55)	1.063 (27)	.827 (21)	10

60215X

ORIENTING TEE MALE ADAPTOR (PARALLEL)-CENTER LEG

BSP



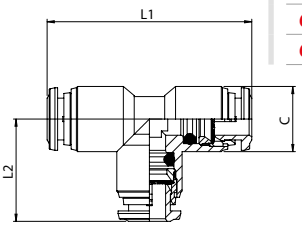


Code	Usa Ref	Tube	A	B	C	L1	L2	CH	Pack.
60215 X0 012	60215X-4-M5	5/32 (4)	M5	.157 (4)	.394 (10)	1.201 (30.5)	.630 (16)	.315 (8)	5
60215 X0 001	60215X-4-1/8	5/32 (4)	1/8	.236 (6)	.394 (10)	1.201 (30.5)	.630 (16)	.512 (13)	5
60215 X0 002	60215X-4-1/4	5/32 (4)	1/4	.315 (8)	.394 (10)	1.201 (30.5)	.728 (18.5)	.591 (15)	5
60215 X0 013	60215X-6-M5	6	M5	.157 (4)	.492 (12.5)	1.417 (36)	.689 (17.5)	.315 (8)	5
60215 X0 003	60215X-6-1/8	6	1/8	.236 (6)	.492 (12.5)	1.417 (36)	.689 (17.5)	.512 (13)	5
60215 X0 004	60215X-6-1/4	6	1/4	.315 (8)	.492 (12.5)	1.417 (36)	.787 (20)	.591 (15)	5
60215 X0 005	60215X-8-1/8	5/16 (8)	1/8	.236 (6)	.571 (14.5)	1.575 (40)	.906 (23)	.512 (13)	5
60215 X0 006	60215X-8-1/4	5/16 (8)	1/4	.315 (8)	.571 (14.5)	1.575 (40)	.827 (21)	.591 (15)	5
60215 X0 007	60215X-10-1/4	10	1/4	.315 (8)	.669 (17)	1.850 (47)	1.083 (27.5)	.591 (15)	2
60215 X0 008	60215X-10-3/8	10	3/8	.354 (9)	.669 (17)	1.850 (47)	.984 (25)	.787 (20)	2
60215 X0 009	60215X-10-1/2	10	1/2	.394 (10)	.669 (17)	1.850 (47)	1.043 (26.5)	.984 (25)	2
60215 X0 010	60215X-12-3/8	12	3/8	.354 (9)	.807 (20.5)	2.165 (55)	1.201 (30.5)	.787 (20)	2
60215 X0 011	60215X-12-1/2	12	1/2	.394 (10)	.807 (20.5)	2.165 (55)	1.122 (28.5)	.984 (25)	2
60215 X0 014	60215X-14-1/2	14	1/2	.394 (10)	.846 (21.5)	2.185 (55.5)	1.299 (33)	.984 (25)	2
60215 X0 017	60215X-16-1/2	16	1/2	.394 (10)	.945 (24)	2.579 (65.5)	1.437 (36.5)	.984 (25)	2

60230X

TEE CONNECTOR



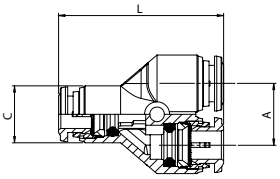


Code	Usa Ref	Tube	C	L1	L2	Pack.
60230 X0 001	60230X-53	5/32 (4)	.394 (10)	1.260 (32)	.630 (16)	5
60230 X0 002	60230X-6	6	.492 (12.5)	1.535 (39)	.768 (19.5)	5
60230 X0 003	60230X-05	8	.571 (14.5)	1.654 (42)	.827 (21)	5
60230 X0 004	60230X-10	10	.669 (17)	1.929 (49)	.965 (24.5)	2
60230 X0 005	60230X-12	12	.807 (20.5)	2.264 (57.5)	1.142 (29)	2
60230 X0 006	60230X-14	14	.846 (21.5)	2.264 (57.5)	1.122 (28.5)	2
60230 X0 007	60230X-16	16	.945 (24)	2.579 (65.5)	1.299 (33)	2

60310X

Y CONNECTOR





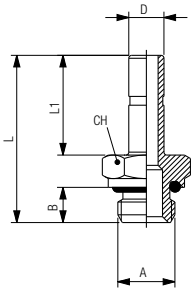
Code	Usa Ref	D	A	C	L	Pack.
60310 X0 001	60310X-53	5/32 (4)	.433 (11)	.394 (10)	1.220 (31)	2
60310 X0 002	60310X-6	6	.531 (13.5)	.492 (12.5)	1.417 (36)	2
60310 X0 003	60310X-05	5/16 (8)	.610 (15.5)	.571 (14.5)	1.575 (40)	2
60310 X0 004	60310X-10	10	.728 (18.5)	.669 (17)	1.870 (47.5)	2
60310 X0 005	60310X-12	12	.846 (21.5)	.807 (20.5)	2.224 (56.5)	2
60310 X0 007	60310X-16	16	.984 (25)	.945 (24)	2.441 (62)	2

60600

MALE ADAPTOR PARALLEL

BSP



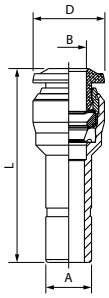


Code	Usa Ref	D	A	B	L	L1	CH	Pack.
60600 00 007	60600-6-1/8	6	1/8	.236 (6)	1.122 (28.5)	.669 (17)	.512 (13)	5
60600 00 010	60600-8-1/4	8	1/4	.315 (8)	1.240 (31.5)	.709 (18)	.630 (16)	5
60600 00 011	60600-8-3/8	8	3/8	.354 (9)	1.319 (33.5)	.709 (18)	.787 (20)	5
60600 00 013	60600-10-1/4	10	1/4	.315 (8)	1.398 (35.5)	.866 (22)	.630 (16)	2
60600 00 014	60600-10-3/8	10	3/8	.354 (9)	1.476 (37.5)	.866 (22)	.787 (20)	2
60600 00 016	60600-12-3/8	12	3/8	.354 (9)	1.575 (40)	.965 (24.5)	.787 (20)	2
60600 00 017	60600-12-1/2	12	1/2	.394 (10)	1.673 (42.5)	.965 (24.5)	.945 (24)	2

60700

REDUCER





Code	Usa Ref	A	B	L	D	Pack.
60700 00 002	60700-6-4	6	5/32(4)	1.201 (30.5)	.413 (10.5)	5
60700 00 003	60700-8-4	5/16 (8)	5/32(4)	1.299 (33)	.413 (10.5)	5
60700 00 004	60700-8-6	5/16 (8)	6	1.339 (34)	.492 (12.5)	5
60700 00 001	60700-10-6	10	6	1.417 (36)	.492 (12.5)	5
60700 00 005	60700-10-8	10	8	1.496 (38)	.571 (14.5)	5
60700 00 006	60700-12-8	12	8	1.417 (36)	.571 (14.5)	5
60700 00 007	60700-12-10	12	10	1.654 (42)	.689 (17.5)	2
60700 00 012	60700-16-10	16	10	1.811 (46)	.689 (17.5)	2

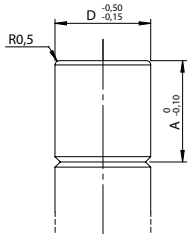
60871

TUBE ENGRAVER



Code	Usa Ref	Ø	Pack.
60871 00 001	60871	4 - 16	1

Clamping point dimensions on metallic tubes for push-in fittings



Ø mm	A mm
50000 - 55000 - 60000	
4	6.2
6	7
8	8
10	9
12	10.2
14	9
16	11

60876

SPARE BLADE 60871

Code	Usa Ref	Pack.
60876 00 01 00 00	60876	1



NOTES