

EXPRESS[®]



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AUSTRALIA

**PRODUCT CATALOGUE
& TECHNICAL MANUAL**
































LINEAS

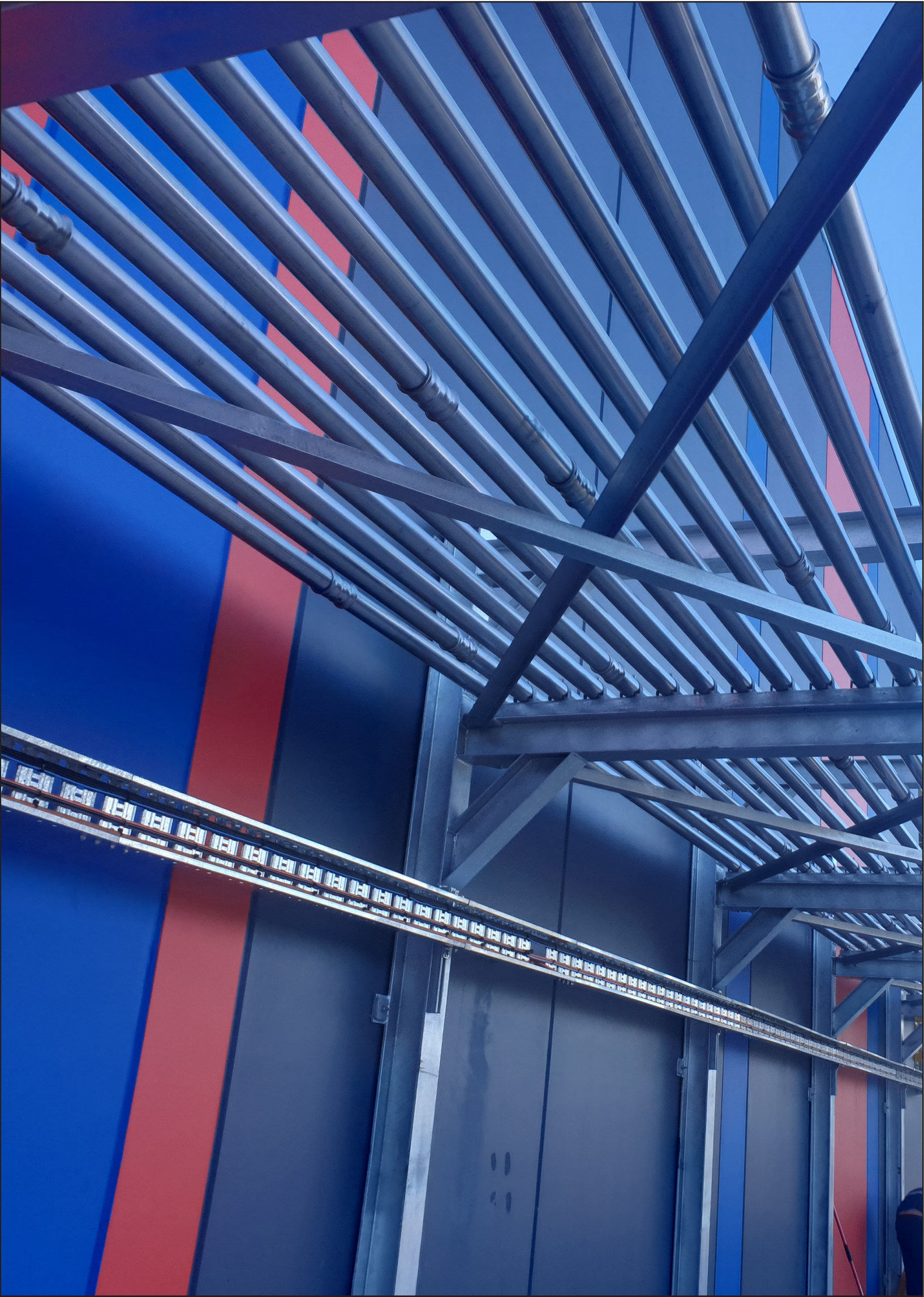
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C/N 100

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CLASSIFIED
REID

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Express® 304L High Quality Stainless Steel Press Fit System

Express® is an advanced, weld-free pipe system used for transporting fluids and gases. Offering safer, smarter and faster installation, the Express® pipe system delivers superior results in handling fuel oils, fire systems, gas and biogas, potable and non-potable water, among many other applications and services.

Express® - the installer's choice.

To see if the Express® pipe system is the best choice for your project, please get in touch to discuss.

COST SAVINGS

- Economical 304L Stainless Steel
- More than 10 x quicker than conventional welding
- Labour savings
- Quick & easy to install
- No consumables
- Press fit technology
- Connection consistency

INSTALLATION ADVANTAGES

- Extensive press tool compatibility
- Wide range of pipe sizes -15mm to 108mm
- Light Weight
- Simple tools -user friendly
- No welding or hot work permits
- Extensive range of fittings
- Built in- situ
- OH&S friendly
- Environmentally friendly

MULTIPLE INTERNATIONAL APPROVALS

- AS4041 2006 | AS1940
- ActivFire®

TECHNICAL ADVANTAGES

- Quality 304L Stainless Steel
- Range of O-Rings for special applications
- Vast temperature range -20°C to 200°C
- Technical support & training

PRESSURE RATINGS

DIAMETER	
15 - 22mm	40 Bar
28 - 35mm	25 Bar
42 - 108mm	16 Bar

MULTIPLE APPLICATIONS

- Hydrocarbons
- Hot & cold water
- Fire service, hydrant & sprinkler
- Compressed air
- Gases
- Bio-gas
- Chemicals
- Diesel fuel
- Conduits

SELECT THE 'O'RING THAT IS SUITABLE FOR YOUR APPLICATION

PLEASE NOTE: For O-ring recommendations on non-standard applications please refer to Technical Department.

'O'RING	APPLICATIONS	MARKING	TEMPERATURE RANGE
EPDM BLACK	WATER & OTHER		-30°C TO 120°C
FKM (VITON)	INDUSTRIAL & OTHER	HT	-20°C TO 200°C
HNBR YELLOW	NATURAL GAS/ OTHER GASES	G	-20°C TO 95°C

5 STEP PROCESS

1



CUT

2



DEBURR

3



WITNESS MARK

4



ASSEMBLE

5



PRESS
(15 SEC 15mm -35 mm)

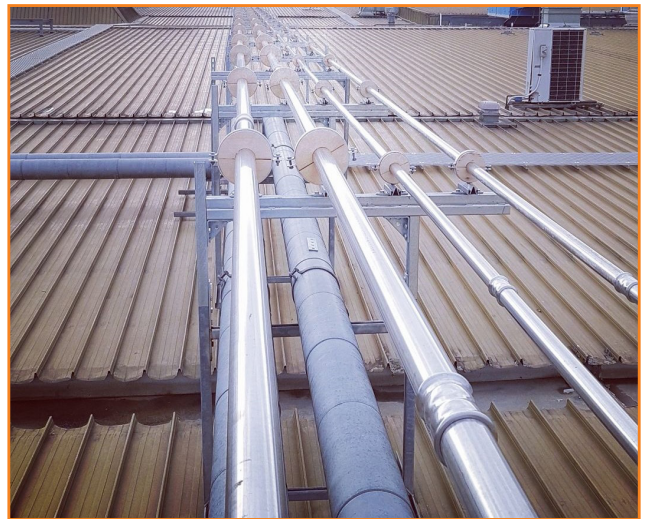
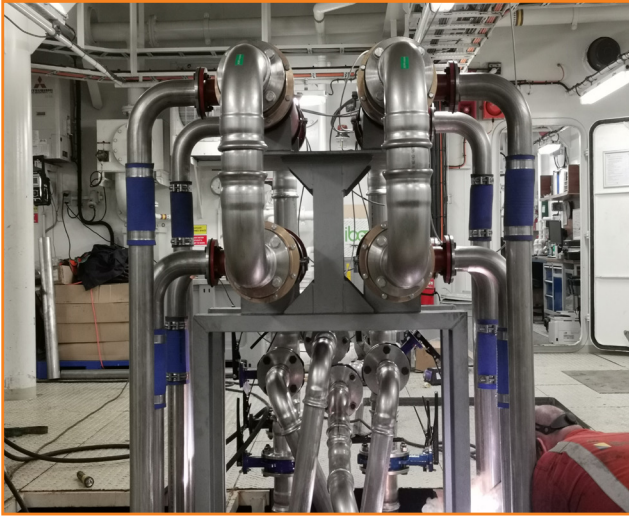
MORE THAN 10x QUICKER THAN CONVENTIONAL WELDING

- Mechanical**
- Plumbing**
- Fire**
- Fuel**

PROJECTS



PROJECTS

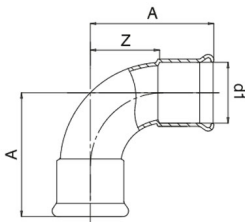


TUBE



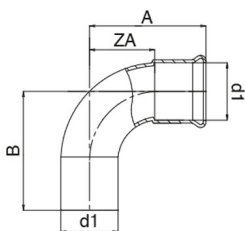
TUBE	CODE	DIMENSION D X T	LENGTH	WEIGHT KG/LTH
15	EXSTUBE15	15 x 1.0	6 m	2.1
22	EXSTUBE22	22 x 1.2	6 m	3.76
28	EXSTUBE28	28 x 1.2	6 m	4.84
35	EXSTUBE35	35 x 1.5	6 m	7.56
42	EXSTUBE42	42 x 1.5	6 m	9.15
54	EXSTUBE54	54 x 1.5	6 m	11.9
76	EXSTUBE76	76.1 x 2.0	6 m	22.3
89	EXSTUBE89	88.9 x 2.0	6 m	26.8
108	EXSTUBE108	108 x 2.0	6 m	31.9

ELBOW 90° FEMALE / FEMALE



TUBE X TUBE	CODE	d1	A	Z
15	EXSE15	15	42	22
22	EXSE22	22	52	31.5
28	EXSE28	28	62	39
35	EXSE35	35	72	45
42	EXSE42	42	88	56
54	EXSE54	54	110	73
76.1	EXSE76	76.1	168	100
88.9	EXSE89	88.9	195	135
108	EXSE108	108	237	162

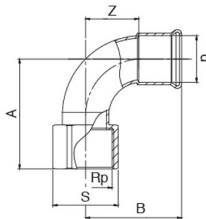
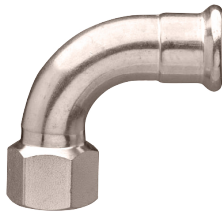
ELBOW 90° FEMALE / MALE



FITTING X TUBE	CODE	d1	A	ZA	B
15	EXSMFE15	15	42	22	45
22	EXSMFE22	22	52	31.5	58
28	EXSMFE28	28	62	39	73
35	EXSMFE35	35	72	45	87
42	EXSMFE42	42	88	56	100
54	EXSMFE54	54	110	73	128
76.1	EXSMFE76	76.1	168	100	210
88.9	EXSMFE89	88.9	195	135	240
108	EXSMFE108	108	237	162	280

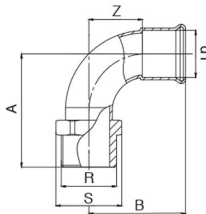
Fittings supplied standard with EPDM O Rings. When ordering HT or GAS please add to part number

ELBOW 90° WITH FEMALE THREAD



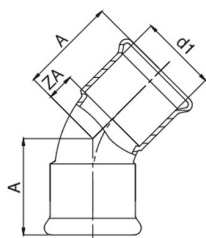
TUBE X THREAD	CODE	d	A	B	S	Z
15 x ½	EXSEF1515	15	40	43	24	22
22 x ¾	EXSEF2220	22	50	53	24	32
28 x 1	EXSEF2825	28	62	62	24	39
35 x 1¼	EXSEF3532	35	70	72	30	45

ELBOW 90° WITH MALE THREAD



TUBE X THREAD	CODE	d1	A	B	S	Z
15 x ½	EXSEM1515	15	42	43	25	22
22 x ¾	EXSEM2220	22	55	53	25	32
28 x 1	EXSEM2825	28	65	62	38	39
35 x 1¼	EXSEM3532	35	75	72	45	45
42 x 1½	EXSEM4240	42	87	88	50	56
54 x 2	EXSEM5450	54	112	110	70	73

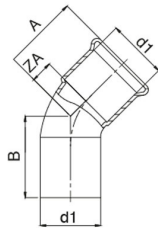
ELBOW 45° FEMALE / FEMALE



TUBE X TUBE	CODE	d1	A	ZA
15	EXS45E15	15	31	10.5
22	EXS45E22	22	36	15
28	EXS45E28	28	40	17.5
35	EXS45E35	35	47	20
42	EXS45E42	42	57	25
54	EXS45E54	54	69	32
76.1	EXS45E76	76.1	108	57
88.9	EXS45E89	88.9	125	65
108	EXS45E108	108	152	77

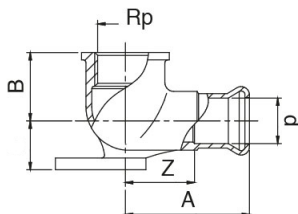
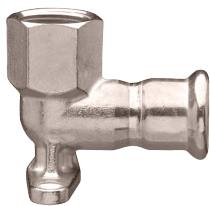
Fittings supplied standard with EPDM O Rings. When ordering HT or GAS please add to part number

ELBOW 45° FEMALE / MALE



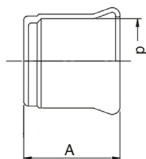
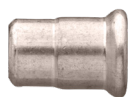
TUBE X FITTING	CODE	d1	A	B	ZA
15	EXS45MFE15	15	31	33	10.5
22	EXS45MFE22	22	36	39	15
28	EXS45MFE28	28	40	48	17.5
35	EXS45MFE35	35	47	54	20
42	EXS45MFE42	42	57	66	25
54	EXS45MFE54	54	89	82	32
76.1	EXS45MFE76	76.1	108	140	57
88.9	EXS45MFE89	88.9	125	160	65
108	EXS45MFE108	108	152	200	77

LUGGED ELBOW



TUBE X THREAD	CODE	d	A	B	Z
15 x 1/2	EXSLEF1515	15	48	24	28
22 x 3/4	EXSLEF2220	22	67	28	46
28 x 1	EXSLEF2825	28	60	32	37

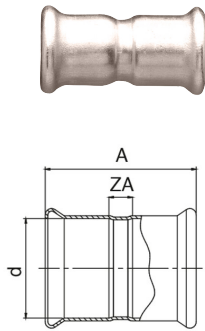
END CAP



TUBE	CODE	d	A
15	EXSEC15	15	34
22	EXSEC22	22	32
28	EXSEC28	28	36
35	EXSEC35	35	40
42	EXSEC42	42	46
54	EXSEC54	54	52
76.1	EXSEC76	76.1	81
88.9	EXSEC89	88.9	89
108	EXSEC108	108	109

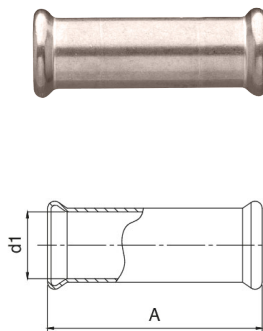
Fittings supplied standard with EPDM O Rings. When ordering HT or GAS please add to part number

COUPLING



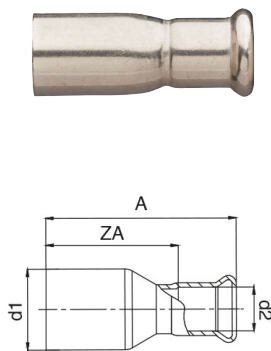
TUBE X TUBE	CODE	d1	A	ZA
15	EXSC15	15	48	7
22	EXSC22	22	53	11
28	EXSC28	28	58	12
35	EXSC35	35	65	11
42	EXSC42	42	76	12
54	EXSC54	54	87	13
76.1	EXSC76	76.1	130	29
88.9	EXSC89	88.9	150	31
108	EXSC108	108	183	33

SLIP COUPLING



TUBE X TUBE	CODE	d1	A
15	EXSCS15	15	80
22	EXSCS22	22	85
28	EXSCS28	28	96
35	EXSCS35	35	105
42	EXSCS42	42	120
54	EXSCS54	54	138
76.1	EXSCS76	76.1	220
88.9	EXSCS89	88.9	272
108	EXSCS108	108	305

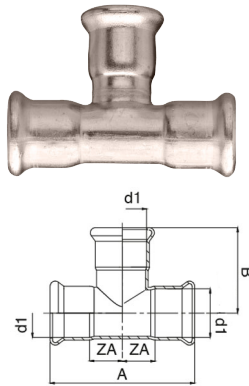
REDUCER



TUBE X FITTING	CODE	d1	d2	A	ZA
22 x 15	EXSRC2215	22	15	62	41.5
28 x 15	EXSRC2815	28	15	66	45.5
28 x 22	EXSRC2822	28	22	62	41
35 x 22	EXSRC3522	35	22	77	56
35 x 28	EXSRC3528	35	28	83	60
42 x 22	EXSRC4222	42	22	77	57
42 x 28	EXSRC4228	42	28	80	58
42 x 35	EXSRC4235	42	35	84	70
54 x 28	EXSRC5428	54	28	94	70
54 x 35	EXSRC5435	54	35	96	69
54 x 42	EXSRC5442	54	42	100	68
76.1 x 54	EXSRC7654	76.1	54	140	103
88.9 x 54	EXSRC8954	88.9	54	156	119
88.9 x 76.1	EXSRC8976	88.9	76.1	156	101
108 x 54	EXSRC10854	108	54	204	167
108 x 76.1	EXSRC10876	108	76.1	196	141
108 x 88.9	EXSRC10889	108	88.9	190	127

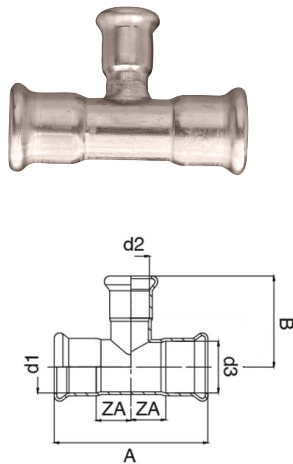
Fittings supplied standard with EPDM O Rings. When ordering HT or GAS please add to part number

TEE



TUBE X TUBE X TUBE	CODE	d1	A	B	ZA
15	EXST15	15	67	34	13
22	EXST22	22	77	39.5	18
28	EXST28	28	88	45	21
35	EXST35	35	102	52	24
42	EXST42	42	120	61	28
54	EXST54	54	144	73	35
76.1	EXST76	76.1	230	115	55
88.9	EXST89	88.9	262	127	63
108	EXST108	108	312	155	77

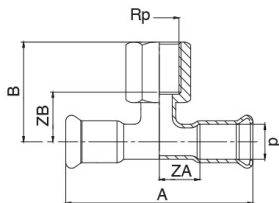
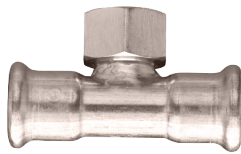
REDUCING TEE



TUBE X TUBE X TUBE	CODE	d1	d2	d3	A	B	ZA
22 x 15 x 22	EXSRT2215	22	15	22	77	38	18
28 x 15 x 28	EXSRT2815	28	15	28	88	42	21
28 x 22 x 28	EXSRT2822	28	22	28	88	42	21
35 x 15 x 35	EXSRT3515	35	15	35	102	46	24
35 x 22 x 35	EXSRT3522	35	22	35	102	46	24
35 x 28 x 35	EXSRT3528	35	28	35	102	49	24
42 x 22 x 42	EXSRT4222	42	22	42	120	49	28
42 x 28 x 42	EXSRT4228	42	28	42	120	52	28
42 x 35 x 42	EXSRT4235	42	35	42	120	55	28
54 x 22 x 54	EXSRT5422	54	22	54	144	56	35
54 x 28 x 54	EXSRT5428	54	28	54	144	58	35
54 x 35 x 54	EXSRT5435	54	35	54	144	62	35
54 x 42 x 54	EXSRT5442	54	42	54	144	67	35
76.1 x 22 x 76.1	EXSRT7622	76.1	22	76.1	230	68	55
76.1 x 28 x 76.1	EXSRT7628	76.1	28	76.1	230	71	55
76.1 x 35 x 76.1	EXSRT7635	76.1	35	76.1	230	75	55
76.1 x 42 x 76.1	EXSRT7642	76.1	42	76.1	230	79	55
76.1 x 54 x 76.1	EXSRT7654	76.1	54	76.1	230	80	55
88.9 x 28 x 88.9	EXSRT8928	88.9	28	88.9	262	76	63
88.9 x 35 x 88.9	EXSRT8935	88.9	35	88.9	262	83	63
88.9 x 42 x 88.9	EXSRT8942	88.9	42	88.9	262	85	63
88.9 x 54 x 88.9	EXSRT8954	88.9	54	88.9	262	93	63
88.9 x 76.1 x 88.9	EXSRT8976	88.9	76.1	88.9	262	116	63
108 x 22 x 108	EXSRT10822	108	22	108	312	85	77
108 x 28 x 108	EXSRT10828	108	28	108	312	88	77
108 x 35 x 108	EXSRT10835	108	35	108	312	94	77
108 x 42 x 108	EXSRT10842	108	42	108	312	96	77
108 x 54 x 108	EXSRT10854	108	54	108	312	102	77
108 x 76.1 x 108	EXSRT10876	108	76.1	108	312	125	77
108 x 88.9 x 108	EXSRT10889	108	88.9	108	312	135	77

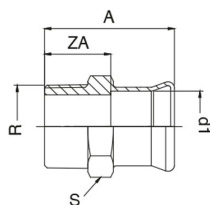
Fittings supplied standard with EPDM O Rings. When ordering HT or GAS please add to part number

TEE THREADED FEMALE



TUBE X THREAD X TUBE	CODE	d	A	B	ZA
15 x ½ x 15	EXSTF1515	15	67	34	13
22 x ½ x 22	EXSTF2215	22	77	37	18
22 x ¾ x 22	EXSTF2220	22	77	39	18
28 x ½ x 28	EXSTF2815	28	88	39	21
28 x ¾ x 28	EXSTF2820	28	88	39	21
28 x 1 x 28	EXSTF2825	28	88	47	21
35 x ½ x 35	EXSTF3515	35	102	41	24
35 x ¾ x 35	EXSTF3520	35	102	45	24
35 x 1 ¼ x 35	EXSTF3532	35	102	53	24
42 x ½ x 42	EXSTF4215	42	120	48	28
42 x ¾ x 42	EXSTF4220	42	120	47	28
42 x 1 ½ x 42	EXSTF4240	42	120	62	28
54 x ½ x 54	EXSTF5415	54	144	52	35
54 x ¾ x 54	EXSTF5420	54	144	52	35
54 x 2 x 54	EXSTF5450	54	140	68	67
76.1 x ¾ x 76.1	EXSTF7620	76.1	152	69	25
76.1 x 2 x 76.1	EXSTF7650	76.1	152	75	25
88.9 x ¾ x 88.9	EXSTF8920	88.9	175	76	27
88.9 x 2 x 88.9	EXSTF8950	88.9	175	82	27
108 x ¾ x 108	EXSTF10820	108	204	85	33
108 x 2 x 108	EXSTF10850	108	204	91	33

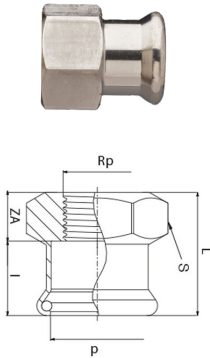
MALE ADAPTOR



TUBE X THREAD	CODE	d1	A	S	ZA
15 x ½	EXSMA1515	15	51	25	21.5
22 x ½	EXSMA2215	22	51	32	21.5
22 x ¾	EXSMA2220	22	54	32	22.5
28 x ¾	EXSMA2820	28	56	32	32.5
28 x 1	EXSMA2825	28	60	38	32.5
35 x 1	EXSMA3525	35	64	38	34.5
35 x 1 ¼	EXSMA3532	35	68	50	34.5
42 x 1 ½	EXSMA4240	42	75	55	36.5
54 x 2	EXSMA5450	54	88	64	43.5
76.1 x 2 ½	EXSMA7665	76.1	128	86	73
76.1 x 3	EXSMA7680	76.1	135	86	73
88.9 x 3	EXSMA8980	88.9	141	98	81
108 x 4	EXSMA108100	108	169	122	99

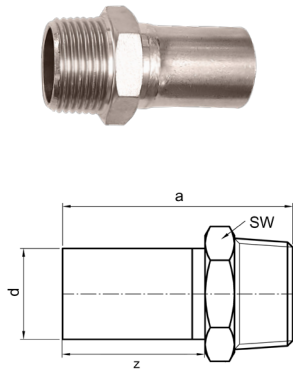
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FEMALE ADAPTOR



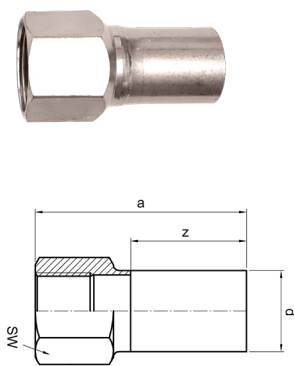
TUBE X THREAD	CODE	d	l	L	S	ZA
15 x ½	EXSFA1515	15	32	49	27	17
22 x ½	EXSFA2215	22	30	49	32	19
22 x ¾	EXSFA2220	22	34	49	38	15
28 x ¾	EXSFA2820	28	30	51	38	21
28 x 1	EXSFA2825	28	34	57	45	23
35 x 1¼	EXSFA3532	35	40	64	55	24
42 x 1½	EXSFA4240	42	45	70	70	25
54 x 2	EXSFA5450	54	55	82	12	26.5

PLUGIN MALE ADAPTOR



FITTING X THREAD	CODE	d	a	z
15 x ½	EXSMAP1515	15	59	40
22 x ¾	EXSMAP2220	22	59	40
28 x 1	EXSMAP2825	28	70	44
35 x 1¼	EXSMAP3532	35	80	52
42 x 1½	EXSMAP4240	42	85	55
54 x 2	EXSMAP5450	54	103	67

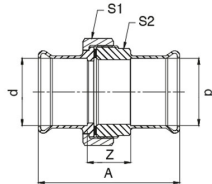
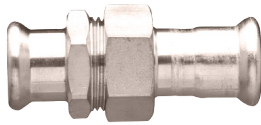
PLUGIN FEMALE ADAPTOR



FITTING X THREAD	CODE	d	a	z
15 x ½	EXSFAP1515	15	51	29
22 x ½	EXSFAP2215	22	58	34
22 x ¾	EXSFAP2220	22	58	34
28 x 1	EXSSFAP2825	28	68	40

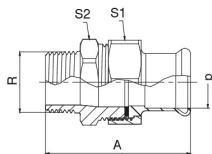
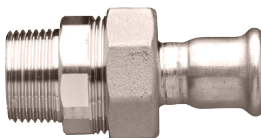
Fittings supplied standard with EPDM O Rings. When ordering HT or GAS please add to part number

TUBE / TUBE BARREL UNION



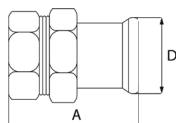
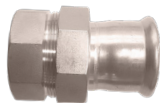
TUBE X TUBE	CODE	d	A	S1	S2	Z
15	EXSBUP15	15	85	24	25	46
22	EXSBUP22	22	97	37	34	52
28	EXSBUP28	28	91	46	45	46
35	EXSBUP35	35	120	52	50	69
42	EXSBUP42	42	134	64	60	75
54	EXSBUP54	54	144	85	75	75

TUBE / MALE BARREL UNION



TUBE X THREAD	CODE	d	A	S1	S2
15 x 1/2	EXSBUPM1515	15	70	24	27
22 x 3/4	EXSBUPM2220	22	82	30	30
28 x 1	EXSBUPM2825	28	77	46	45
35 x 1 1/4	EXSBUPM3532	35	85	52	50
42 x 1 1/2	EXSBUPM4240	42	95	64	60
54 x 2	EXSBUPM5450	54	100	85	75

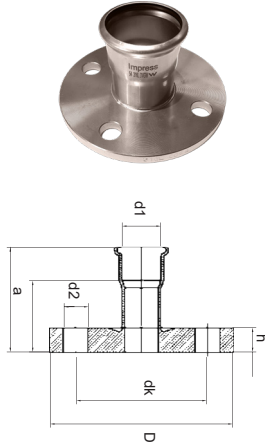
TUBE / FEMALE BARREL UNION



TUBE X THREAD	CODE	D	A
15 x 1/2	EXSBUPF1515	15	70
22 x 3/4	EXSBUPF2220	22	81
28 x 1	EXSBUPF2825	28	88
35 x 1 1/4	EXSBUPF3532	35	90
42 x 1 1/2	EXSBUPF4240	42	99
54 x 2	EXSBUPF5450	54	109

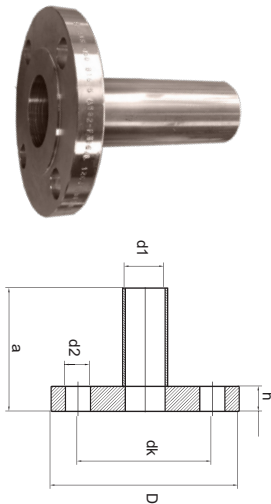
Fittings supplied standard with EPDM O Rings. When ordering HT or GAS please add to part number

FLANGE TABLE D/E



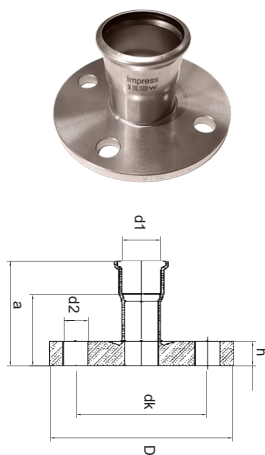
FITTING X FLANGE	CODE	A	Z	H	DK	D2	D	BOLT HOLES
15 x ½	EXSFDE15	33	12	5	67	14	95	4
22 x ¾	EXSFDE22	43	20	5	73	14	100	4
28 x 1	EXSFDE28	44	20	5	83	14	115	4
35 x 1¼	EXSFDE35	45	20	6	87	14	120	4
42 x 1½	EXSFDE42	53	18	6	98	14	135	4
54 x 2	EXSFDE54	61	22	8	114	18	150	4
76.1 x 3	EXSFDE76	76	26	10	146	18	185	4
88.9 x 3	EXSFDE89	83	27	10	146	18	185	4
108 x 4	EXSFDE108	124	25	10	178	18	215	4

STEM FLANGE TABLE D/E



TUBE X FLANGE	CODE	A	H	DK	D2	D	BOLT HOLES
15 x ½	EXSSFDE15	60	5	67	14	95	4
22 x ¾	EXSSFDE22	90	5	73	14	100	4
28 x 1	EXSSFDE28	120	5	83	14	115	4
35 x 1¼	EXSSFDE35	130	6	87	14	120	4
42 x 1½	EXSSFDE42	150	6	98	14	135	4
54 x 2	EXSSFDE54	180	8	114	18	150	4
76.1 x 3	EXSSFDE76	180	10	146	18	185	4
88.9 x 3	EXSSFDE8976	180	10	146	18	185	4
108 x 4	EXSSFDE108	180	10	178	18	215	4

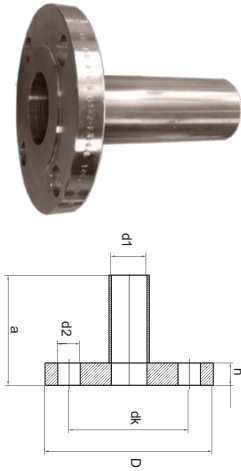
FLANGE ANSI 150



FITTING X FLANGE	CODE	A	Z	H	DK	D2	D	BOLT HOLES
15 x ½	EXSFANSI15	38	17	9.6	60.3	16	90	4
22 x ¾	EXSFANSI22	49	26	11.2	69.9	16	100	4
28 x 1	EXSFANSI28	52	28	12.7	79.4	16	110	4
35 x 1¼	EXSFANSI35	53	28	14.3	88.9	16	115	4
42 x 1½	EXSFANSI42	63	28	15.9	98.4	16	125	4
54 x 2	EXSFANSI54	71	32	17.5	120.7	20	150	4
76.1 x 3	EXSFANSI76	88	38	22.3	152.4	20	190	4
88.9 x 3	EXSFANSI89	95	39	22.3	152.4	20	190	4
108 x 4	EXSFANSI108	138	37	22.3	190.5	20	230	8

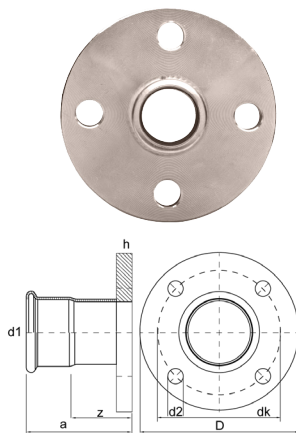
Fittings supplied standard with EPDM O Rings. When ordering HT or GAS please add to part number

STEM FLANGE ANSI 150



TUBE X FLANGE	CODE	A	H	DK	D2	D	BOLT HOLES
15 x ½	EXSSFANSI15	60	9.6	60.3	16	90	4
22 x ¾	EXSSFANSI22	90	11.2	69.9	16	100	4
28 x 1	EXSSFANSI28	120	12.7	79.4	16	110	4
35 x 1¼	EXSSFANSI35	130	14.3	88.9	16	115	4
42 x 1½	EXSSFANSI42	150	15.9	98.4	16	125	4
54 x 2	EXSSFANSI54	180	17.5	120.7	20	150	4
76.1 x 3	EXSSFANSI76	180	22.3	152.4	20	190	4
88.9 x 3	EXSSFANSI89	180	22.3	152.4	20	190	4
108 x 4	EXSSFANSI108	180	22.3	190.5	20	230	8

FLANGE PN16



FITTING X FLANGE	CODE	A	Z	H	DK	D2	D	BOLT HOLES
15 x ½	EXSFPN1615	65	39	14	65	14	95	4
22 x ¾	EXSFPN1622	69	40	16	75	14	105	4
28 x 1	EXSFPN1628	75	45	16	85	14	115	4
35 x 1¼	EXSFPN1635	78	47	18	100	18	140	4
42 x 1½	EXSFPN1642	87	48	18	110	18	150	4
54 x 2	EXSFPN1654	100	55	20	125	18	165	4
76.1 x 3	EXSFPN1676	124	73	20	160	18	200	4
88.9 x 3	EXSFPN1689	137	79	20	160	18	200	8
108 x 4	EXSFPN16108	162	92	22	180	18	220	8

Fittings supplied standard with EPDM O Rings. When ordering HT or GAS please add to part number

ZINC SCL



CODE	DESCRIPTION
SCL15	Zinc Plated Clip 15mm M10 Rubber Lined
SCL22	Zinc Plated Clip 22mm M10 Rubber Lined
SCL28	Zinc Plated Clip 28mm M10 Rubber Lined
SCL35	Zinc Plated Clip 35mm M10 Rubber Lined
SCL42	Zinc Plated Clip 42mm M10 Rubber Lined
SCL54	Zinc Plated Clip 54mm M10 Rubber Lined
SCL76	Zinc Plated Clip 76mm M10 Rubber Lined
SCL89	Zinc Plated Clip 89mm M10 Rubber Lined
SCL108	Zinc Plated Clip 108mm M10 Rubber Lined

ZINC SCL-2



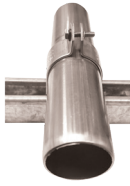
CODE	DESCRIPTION
SCL15-2	Zinc Plated Clip 15mm M10 Rubber Lined -2 bolt
SCL22-2	Zinc Plated Clip 22mm M10 Rubber Lined -2 bolt
SCL28-2	Zinc Plated Clip 28mm M10 Rubber Lined -2 bolt
SCL35-2	Zinc Plated Clip 35mm M10 Rubber Lined -2 bolt
SCL42-2	Zinc Plated Clip 42mm M10 Rubber Lined -2 bolt
SCL54-2	Zinc Plated Clip 54mm M10 Rubber Lined -2 bolt
SCL76-2	Zinc Plated Clip 76mm M10 Rubber Lined -2 bolt
SCL89-2	Zinc Plated Clip 89mm M10 Rubber Lined -2 bolt
SCL108-2	Zinc Plated Clip 108mm M10 Rubber Lined -2 bolt

STAINLESS STEEL SSCL



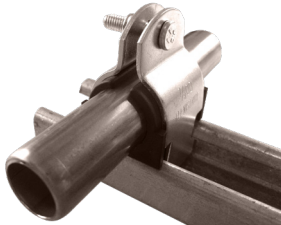
CODE	DESCRIPTION
SSCL15	Stainless Steel 316 Nut Clip M10, 15mm
SSCL22	Stainless Steel 316 Nut Clip M10, 22mm
SSCL28	Stainless Steel 316 Nut Clip M10, 28mm
SSCL35	Stainless Steel 316 Nut Clip M10, 35mm
SSCL42	Stainless Steel 316 Nut Clip M10, 42mm
SSCL54	Stainless Steel 316 Nut Clip M10, 54mm
SSCL76	Stainless Steel 316 Nut Clip M10, 76mm
SSCL89	Stainless Steel 316 Nut Clip M10, 89mm
SSCL108	Stainless Steel 316 Nut Clip M10, 108mm

STAINLESS STEEL SSSCL



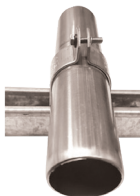
CODE	DESCRIPTION
SSSCL15	Stainless Steel 316 Two Piece Channel Clip 15mm
SSSCL22	Stainless Steel 316 Two Piece Channel Clip 22mm
SSSCL28	Stainless Steel 316 Two Piece Channel Clip 28mm
SSSCL35	Stainless Steel 316 Two Piece Channel Clip 35mm
SSSCL42	Stainless Steel 316 Two Piece Channel Clip 42mm
SSSCL54	Stainless Steel 316 Two Piece Channel Clip 54mm
SSSCL76	Stainless Steel 316 Two Piece Channel Clip 76mm
SSSCL89	Stainless Steel 316 Two Piece Channel Clip 89mm
SSSCL108	Stainless Steel 316 Two Piece Channel Clip 108mm

ZINC SCLE5 - INSERT



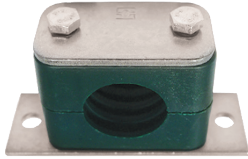
CODE	DESCRIPTION
SCLE5-15INSERT	Zinc Plated Two Piece Channel Clip with Insert 15mm
SCLE5-22INSERT	Zinc Plated Two Piece Channel Clip with Insert 22mm
SCLE5-28INSERT	Zinc Plated Two Piece Channel Clip with Insert 28mm
SCLE5-35INSERT	Zinc Plated Two Piece Channel Clip with Insert 35mm
SCLE5-42INSERT	Zinc Plated Two Piece Channel Clip with Insert 42mm
SCLE5-54INSERT	Zinc Plated Two Piece Channel Clip with Insert 54mm
SCLE5-76INSERT	Zinc Plated Two Piece Channel Clip with Insert 76mm

ZINC TWO PIECE CHANNEL CLIP



CODE	DESCRIPTION
SCLE5-89	Zinc Plated Two Piece Channel Clip 89mm
SCLE5-108	Zinc Plated Two Piece Channel Clip 108mm
SCLE5-PVCROLL	PVC Strip Insert 20M Roll

TUBE CLAMPS – SHPC



CODE	DESCRIPTION
SHPC15	Hydraulic Tube Clamp 15mm
SHPC22	Hydraulic Tube Clamp 22mm
SHPC28	Hydraulic Tube Clamp 28mm
SHPC35	Hydraulic Tube Clamp 35mm
SHPC42	Hydraulic Tube Clamp 42mm
SHPC54	Hydraulic Tube Clamp 54mm
SHPC76	Hydraulic Tube Clamp 76mm
SHPC89	Hydraulic Tube Clamp 89mm
SHPC108	Hydraulic Tube Clamp 108mm

STAINLESS STEEL SSSPCH



CODE	DESCRIPTION
SSSOB	Stainless Steel 316 – Stand Off Bracket
SSSPCH15	Stainless Steel 316 Single Piece Clip Head 15mm
SSSPCH22	Stainless Steel 316 Single Piece Clip Head 22mm
SSSPCH28	Stainless Steel 316 Single Piece Clip Head 28mm
SSSPCH35	Stainless Steel 316 Single Piece Clip Head 35mm
SSSPCH42	Stainless Steel 316 Single Piece Clip Head 42mm
SSSPCH54	Stainless Steel 316 Single Piece Clip Head 54mm
SSSPCH76	Stainless Steel 316 Single Piece Clip Head 76mm
SSSPCH89	Stainless Steel 316 Single Piece Clip Head 89mm
SSSPCH108	Stainless Steel 316 Single Piece Clip Head 108mm

PRESSING EQUIPMENT – PRESSTOOLS



CODE	DESCRIPTION
SPT-B-203PTB	Stainless Steel Press Tool ACO203 Bluetooth, 1 x 18V Battery, 240V Charger & Tool Box. 15mm-54mm
SPT-240V-203PT	Stainless Steel Press Tool EFP203 240V & Tool Box. 15mm-54mm
SPT-B-203PTXLB	Stainless Steel Press Tool ACO203XL Bluetooth, 1 x 18V Battery, 240V Charger & Tool Box. 15mm-108mm
SPT-B-403PTB	Stainless Steel Press Tool ACO403 Bluetooth, 2 x 18V Battery, 240V Charger & Tool Box. 76mm-108mm
SPT-Battery	18V Battery 18V

CODE	DESCRIPTION
SPT-202J15	Stainless Steel Press Jaw 15mm
SPT-202J22	Stainless Steel Press Jaw 22mm
SPT-202J28	Stainless Steel Press Jaw 28mm
SPT-202J35	Stainless Steel Press Jaw 35mm
SPT-202AJ	Stainless Steel Adaption Jaw ZB203
SPT-202C42	Stainless Steel Press Collar 42mm
SPT-202C54	Stainless Steel Press Collar 54mm
SPT-203XLAJ(1)	Stainless Steel 203XL Adaptor Jaw (1) 76-108mm
SPT-203XLAJ(2)	Stainless Steel 203XL Adaptor Jaw (2) 108mm
SPT-203XL76	Stainless Steel 203XL Collar 76mm
SPT-203XL89	Stainless Steel 203XL Collar 89mm
SPT-203XL108	Stainless Steel 203XL Collar 108mm

CUTTERS AND DEBURRERS



CODE	DESCRIPTION
STC35	Stainless Steel Tube Cutter 35mm
STC54	Stainless Steel Tube Cutter 54mm
STC108	Stainless Steel Tube Cutter 54 - 108mm
STC168	Stainless Steel Tube Cutter 102mm - 168mm
STD54	Stainless Steel Tube Deburrer 0 - 54mm
STDH	Stainless Steel Hand Deburrer 15 - 108mm
STC845001	Pipe Cutting Machine 22 - 108mm
STC845050	Cu-Inox Cutter Wheel for Cento (SS/Copper)
STC845110	Stainless Steel Rollers for Cento
STC849315	Stand for Cento Cutter
STC120120	Herkules Tripod Stand with Roller Heads
STC113835	Reg 10 - 54E Deburrer (Can Use on Cento/ Drill)
STC113840	Reg 28 -108 Inner Deburrer (Used on Cento)

EXPRESS® INSTALLATION

CORROSIVE ENVIRONMENTS

Express® has excellent resistance to a broad range of chemicals and or industrial mixtures / media. O-rings are available in a range of materials, user should verify compatibility of components with their application. Express® stainless steel pipelines generally do not require any additional corrosion protection, except in atmospheres which contain chloride or chlorine. Please consult our Technical Department if Express® is to be used for diverse media such as industrial applications, swimming pools or for reticulating sea water. When planning and installing Express®, high concentrations of chloride, which could work on the system externally, and/or internal evaporation need to be avoided as a matter of principle. In some applications the tubes should be protected by suitable coatings or jacketing. Extensive compatibility charts are available. Resistance to specific chemicals should be checked with Technical Department.

UNDERGROUND SYSTEMS

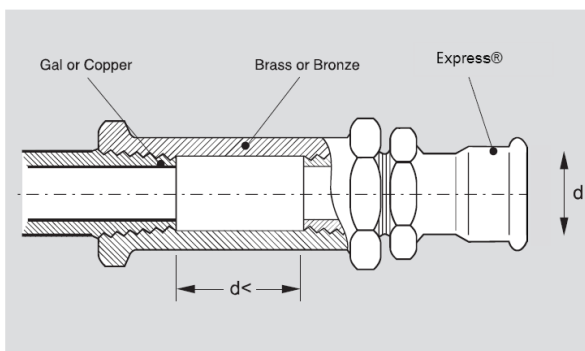
Underground pipework should be protected against possible external substances causing corrosion or damage to O-rings. Please refer to Technical Department.

EXPLOSIVE OR IGNITABLE ATMOSPHERE

It is the responsibility of the user/customer/purchaser to identify any potential hazards and to take necessary measures or precautions to ensure complete safety. Information on protective measures is available with advice on your specific application.

DISSIMILAR METALS

Express® may be connected to copper or galvanized steel provided a minimum separation distance of the pipe diameter, in brass or bronze, is maintained. Valves and fittings in brass or bronze may be used.



Permissible connection between stainless steel and copper or galvanized steel.

CUTTING

It is essential EXPRESS® tubes are cut with tube cutters or a fine-toothed planetary metal saw blade that has not been used previously to cut unalloyed steel. To avoid sensitisation of the material and if electrically powered saws are used, cutting speed must be limited so that temper colours are not created at the point of cutting.

CAUTION !

The utilisation of cutting disks (flexible) or flame cutter is not permissible for the cutting of stainless steel tubes.

If annealing colours should arise, these must be eliminated on the inside and outside surface of the stainless steel tubes. Experience indicates that even a strawyellow discoloration of the stainless steel can lead to a sensitisation of the material. Particularly suitable for the cutting of tubes of stainless steel or copper is the saw RA 21 + GF+, with which the outside cut edges are also deburred simultaneously with the cutting. Tube ends must be de-burred inside and outside.

BENDING

Express® 15 mm to 28 mm can be bent cold with suitable bending tools. A bending radius of at least $r = 3.5 \times d$ is to be maintained. After bending, a sufficiently long tube section is required to fit connections. With larger than above specified dimensions, the manufacturer of the bending tools is responsible for a perfect bending result.

HOT BENDING OF EXPRESS® IS NOT PERMITTED.

THREAD SEALANTS

The use of permanent elastic thread sealant is recommended. No sealants containing chloride are to be used.

STORAGE AND TRANSPORT

To avoid damage to the EXPRESS inherent passive layer, ensure tube and fittings do not come into contact with mild/carbon steel. A physical separation must be maintained between EXPRESS and metal strapping, racking, truck trays, trolleys, workbenches, etc.

THERMAL EXPANSION

Express expands and contracts depending on medium, temperature difference, etc. The installation must allow for sufficient expansion movement. Generally this movement can be absorbed on changes of direction, elbows, or by the use of expansion bellows, etc.

EXPRESS® THERMAL EXPANSION FORMULA

$$\Delta l = \frac{a l \Delta T}{1000}$$

- Δl = Thermal Expansion (mm)
- a = 16.5 Coefficient of Expansion (20°C to 100°C)
- l = Pipe Length (M)
- ΔT = Temperature Variation (C° or K)

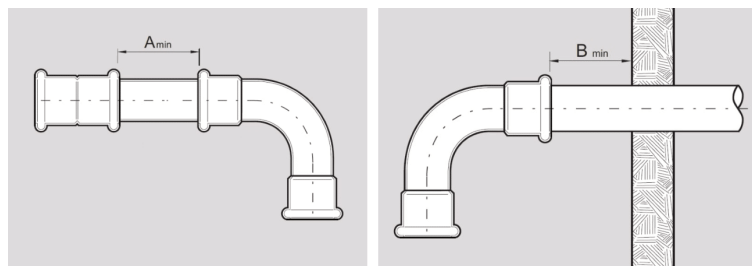
SUPPORT SPACINGS

TUBE SIZE	SUPPORT SPACING (METRES)
15	1
22	1.5
28	1.8
35	2.2
42	2.4
54	2.7
76	3
89	3
108	3

Pipe clips are to be used on tube only, not fittings. Allowance is to be made for thermal expansion and contraction.

SPACE REQUIREMENTS

Minimum spacing between two press points (see following chart)



Minimum spacing to wall (see following chart)

MINIMUM SPACE REQUIREMENT BETWEEN PRESS

TUBE SIZE	A MIN	B MIN
15	20	60
22	30	60
28	30	60
35	35	60
42	40	60
54	45	60
76.1	45	60
88.9	45	60
108	50	60

EXPRESS® PRESS PROCEDURE



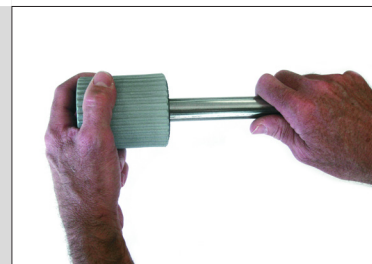
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VIDEO

EXPRESS® 15 MM UP TO 35 MM

1. Cut tube to length. The tube ends must be clean with no scratches or grooves. Remove end caps.



2. Deburr tube inside and outside.



3. Witness mark the insertion depth on the tube.



4. Select pressing jaw according to the fitting dimension and insert into the press tool. Close the retention pin of the tool.



5. Check Express® fitting for correct placement of the sealing ring and push the end of the tube into the fitting by rotating it easily until it reaches a complete stop. The fitting outer edge must correlate with the witness mark.



6. Open pressing jaw lubricate and place around fitting ensuring bead of the fitting connects into the groove of the pressing jaw. Commence pressing procedure by activating the start button on the press tool, hold down for 3 seconds to activate automatic function. Support tool throughout the press cycle and when complete remove from fitting. Do not allow interruption to the press cycle. In case of danger, an interruption of the pressing process is possible by pressing the emergency-stop button. After resetting emergency stop situation, re-press ensuring that press head is located in the same position as the fitting.



Lubrication of press jaws and slings is highly recommended for seamless installation and tool longevity.

EXPRESS® PRESS PROCEDURE



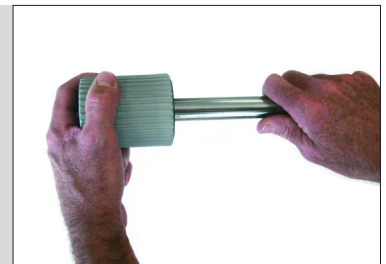
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EXPRESS® 42 MM UP TO 54 MM

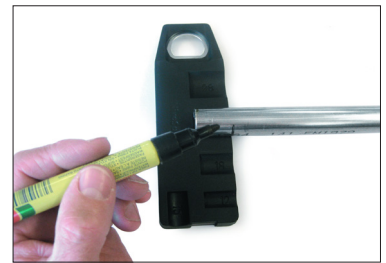
1. Cut tube to length with planetary saw or tube cutters. The tube ends must be clean with no scratches or grooves. Remove end caps.



2. Deburr tube inside and outside.



3. Witness mark the insertion depth on the tube.



4. Check Express® fitting for correct placement of the sealing ring and push the end of the tube into the fitting by rotating it easily until it reaches a complete stop. The fitting outer edge must correlate with the witness mark.



5. Select intermediate jaw, fit to press tool and close the retention pin. Select suitable pressing slings lubricate and assemble on Express® fittings.



6. Open the intermediate jaw by pressing the jaw levers down, connect jaw to pressing sling. Check whether fitting outer edge correlates with the marking of the insertion depth. Commence the pressing procedure by actuating the start button on the press tool, hold down for three seconds to activate automatic function. Do not allow interruption to the press cycle. In case of danger, an interruption of the pressing process is possible by pressing the emergency-stop button. After resetting emergency stop situation, re-press ensuring that press head is located in the same position on the fitting.



Lubrication of press jaws and slings is highly recommended for seamless installation and tool longevity.

■ Mechanical

■ Plumbing

■ Fire

■ Fuel

EXPRESS[®] PRESS PROCEDURE



CLICK HERE FOR
ONLINE TRAINING
VIDEO

EXPRESS[®] 76 MM UP TO 108 MM

1. Cut tube to length with planetary saw or tube cutters. The tube ends must be clean with no scratches or grooves. Remove end caps.



2. Deburr tube inside and outside with a deburring tool.



3. Witness mark the insertion depth on the tube.



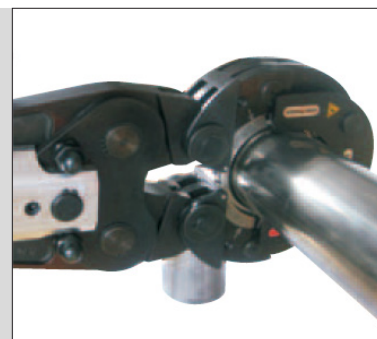
4. Check Express[®] fitting for correct placement of the sealing ring and push the end of the tube into the fitting by rotating it easily until it reaches a complete stop. The fitting outer edge must correlate with the witness mark.



5. Select suitable pressing slings lubricate and assemble on Express[®] fitting. Please Note: Press sling must be reset to original open position before each press.



6. Open the intermediate jaw by pressing the jaw levers down check whether fitting outer edge correlates with the marking of the insertion depth. Commence the pressing procedure by actuating the start button on the press tool, hold down for three seconds to activate automatic function. Do not allow interruption to the press cycle. In case of danger, an interruption of the pressing process is possible by pressing the emergency-stop button. After resetting emergency stop situation, re-press ensuring that press head is located in the same position on the fitting. When press tool completes the press cycle remove from sling. Release the pressing sling by depressing the arresting latch button. Push out the locking pins from opposite side and remove press sling from fitting.



Lubrication of press jaws and slings is highly recommended for seamless installation and tool longevity.

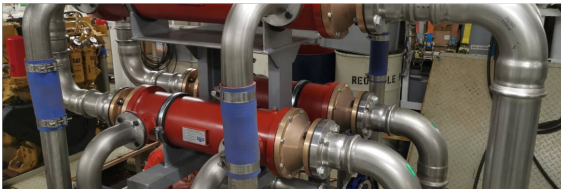
PRODUCT RANGE

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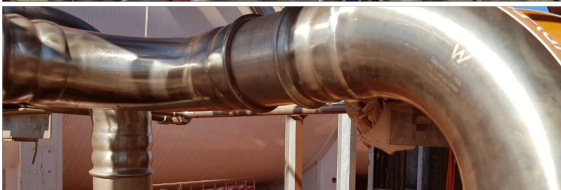
- 316 Stainless Steel
- Press connection
- 40 bar plus pressure rating
- 15-108mm
- Watermark & ActivFire® Certification

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- 140 – 168mm
- Watermark & ActivFire® Certification

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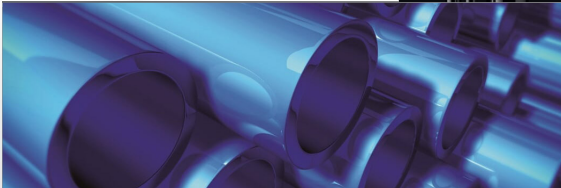
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- 316L Stainless Steel
- 15mm-108mm

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