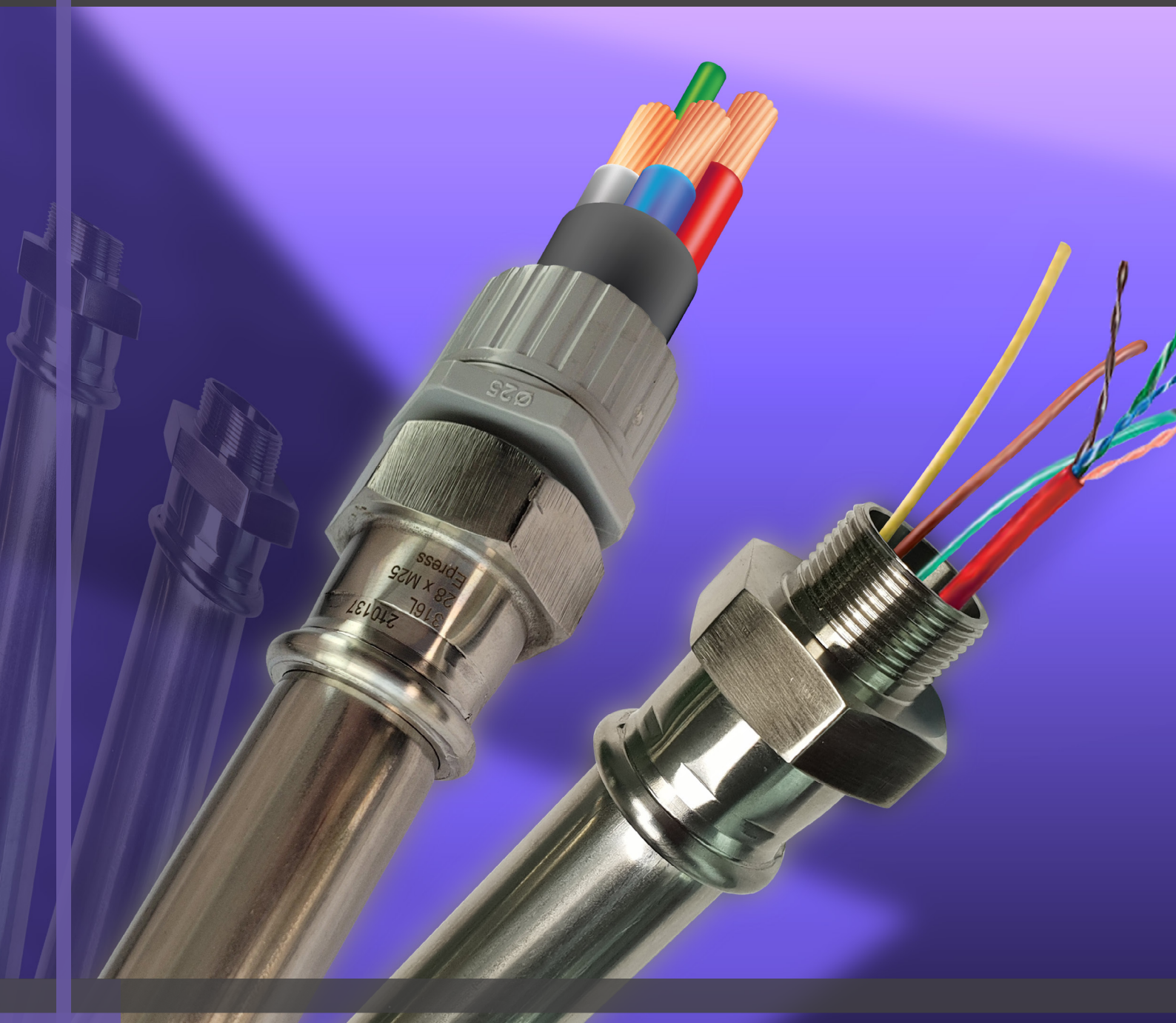
Epress®



ibec AUSTRALIA

PRODUCT CATALOGUE & TECHNICAL MANUAL

CATALOGUE INDEX

Epress® 316L High Quality Stainless Steel Press Fit Conduit System

Epress® is an advanced stainless steel, weld-free conduit system used for electrical and data installations for industrial applications. Offering safer, smarter and faster installation, the Epress® conduit system delivers superior results in abattoirs, meat works, plant rooms, hospitals and many other situations requiring stainless steel conduits.
Epress® - the installer's choice.
To see if the Epress® conduit system is the best choice for your project, please get in touch to discuss.

COST SAVINGS

More than 10 x quicker than conventional threading or welding
Labour savings
Quick & easy to install
No consumables
Press fit technology
Connection consistency
304L also available

TECHNICAL ADVANTAGES

Quality 316L / 304L Stainless Steel
Earthing Continuity
High IP Rating
Range of O-Rings for special applications
Vast temperature range -20°C to 200°C
Internal & External Use
Technical support & training
Superior to PVC conduit

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 APPLICATIONS

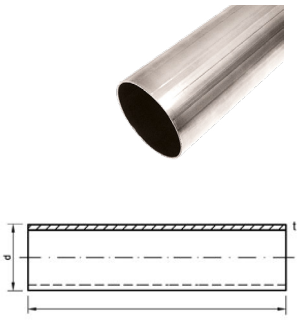
Electrical 240V/415V
Data
Security
Fibre
Abattoirs, Defence, Food, Heavy Industrial, Hospitals, Meatworks, Mills, Mining, Plant Rooms, Port Authorities, Refineries, Shafts, Silos, Smelters, Transport, Tunnels.

5 STEP PROCESS

CUT | **DEBURR** | **WITNESS MARK** | **ASSEMBLE** | **PRESS** 15 seconds 15mm-35mm

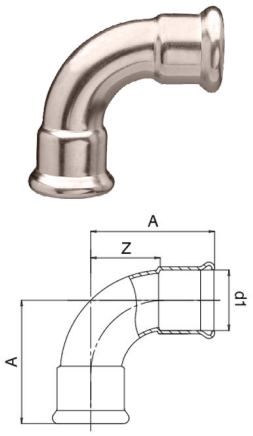
MORE THAN 10x QUICKER THAN CONVENTIONAL THREADING OR WELDING OF CONDUITS

CONDUIT / TUBE



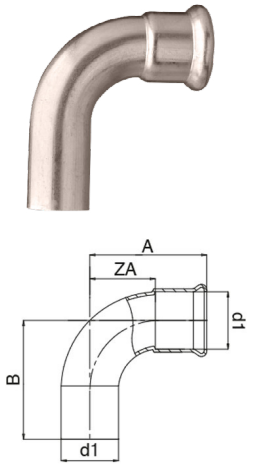
TUBE	CODE	DIMENSION D X T	LENGTH	WEIGHT KG/LTH
15	IMSSTUBE15	15 x 1.0	6 m	2.1
22	IMSSTUBE22	22 x 1.2	6 m	3.76
28	IMSSTUBE28	28 x 1.2	6 m	4.84
35	IMSSTUBE35	35 x 1.5	6 m	7.56
42	IMSSTUBE42	42 x 1.5	6 m	9.15
54	IMSSTUBE54	54 x 1.5	6 m	11.9
76.1	IMSSTUBE76	76.1 x 2.0	6 m	22.3
88.9	IMSSTUBE89	88.9 x 2.0	6 m	26.8
108	IMSSTUBE108	108 x 2.0	6 m	31.9

ELBOW 90° FEMALE / FEMALE



TUBE X TUBE	CODE	d1	A	Z
15	IMSE15	15	39	19.5
22	IMSE22	22	48	25.5
28	IMSE28	28	57	34.5
35	IMSE35	35	68	42.5
42	IMSE42	42	83	53.5
54	IMSE54	54	102	67.5
76.1	IMSE76	76.1	148	93
88.9	IMSE89	88.9	174	111
108	IMSE108	108	215	138

ELBOW 90° FEMALE / MALE



FITTING X TUBE	CODE	d1	A	ZA	B
15	IMSMFE15	15	39	19.5	45
22	IMSMFE22	22	48	25.5	54
28	IMSMFE28	28	57	34.5	63
35	IMSMFE35	35	68	42.5	74
42	IMSMFE42	42	83	53.5	89
54	IMSMFE54	54	102	67.5	108
76.1	IMSMFE76	76.1	148	93	154
88.9	IMSMFE89	88.9	174	111	190
108	IMSMFE108	108	215	138	238

Epress 316L Stainless Steel, for 304 Stainless Steel, please substitute IM with EX at start of the part number

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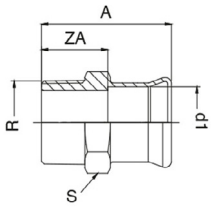
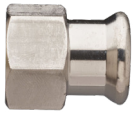
ibexaustralia.com.au sales@ibexaustralia.com.au 1300 85 45 20

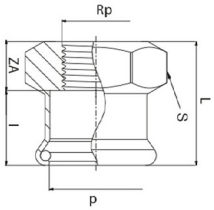
MALE ADAPTOR



TUBE X THREAD	CODE	THREAD R	d1	d2	A	S	ZA	B
22 x M20	EPMA2220	M20x1.5	22	15	45	32	15	8
28 x M25	EPMA2825	M25x1.5	28	21	49	38	15	9
35 x M32	EPMA3532	M32x1.5	35	28	54	50	15	10
42 x M40	EPMA4240	M40x1.5	42	35	63	55	18	11
54 x M50	EPMA5450	M50x1.5	54	47	70	64	18	12

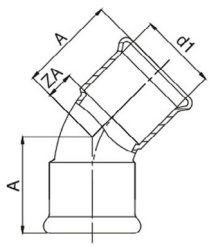
FEMALE ADAPTOR





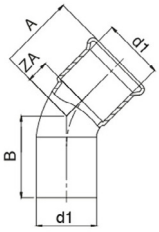
TUBE X THREAD	CODE	THREAD Rp	d	I	L	S	ZA
22 x M20	EPFA2220	M20x1.5F	22	22	37	32	15
28 x M25	EPFA2825	M25x1.5F	28	25	40	38	15
35 x M32	EPFA3532	M32x1.5F	35	29	44	50	15
42 x M40	EPFA4240	M40x1.5F	42	34	52	55	18
54 x M50	EPFA5450	M50x1.5F	54	46	58	64	18

ELBOW 45° FEMALE / FEMALE



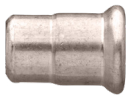
TUBE X TUBE	CODE	d1	A	ZA
15	IMS45E15	15	29	9.5
22	IMS45E22	22	34	11.5
28	IMS45E28	28	38	15.5
35	IMS45E35	35	43	17.5
42	IMS45E42	42	53	23.5
54	IMS45E54	54	69	34.5
76.1	IMS45E76	76.1	98	43
88.9	IMS45E89	88.9	112	49
108	IMS45E108	108	138	61

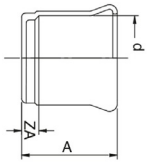
ELBOW 45° FEMALE / MALE



TUBE X FITTING	CODE	d1	A	B	ZA
15	IMS45MFE15	15	29	30	9.5
22	IMS45MFE22	22	34	35	11.5
28	IMS45MFE28	28	38	39	15.5
35	IMS45MFE35	35	43	44	17.5
42	IMS45MFE42	42	53	54	23.5
54	IMS45MFE54	54	69	70	34.5
76.1	IMS45MFE76	76.1	98	117	43
88.9	IMS45MFE89	88.9	112	131	49
108	IMS45MFE108	108	138	154	61

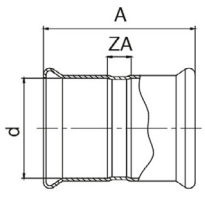
END CAP





TUBE	CODE	d	A	ZA
15	IMSEC15	15	32	12.5
22	IMSEC22	22	35	12.5
28	IMSEC28	28	37	14.5
35	IMSEC35	35	43	17.5
42	IMSEC42	42	48	18.5
54	IMSEC54	54	56	21.5
76.1	IMSEC76	76.1	81	26
88.9	IMSEC89	88.9	89	29
108	IMSEC108	108	109	39

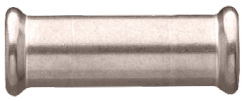
COUPLING

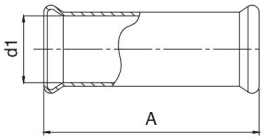


TUBE X TUBE	CODE	d1	A	ZA
15	IMSC15	15	48	9
22	IMSC22	22	50	5
28	IMSC28	28	54	9
35	IMSC35	35	62	11
42	IMSC42	42	73	14
54	IMSC54	54	85	16
76.1	IMSC76	76.1	152	50
88.9	IMSC89	88.9	175	54
108	IMSC108	108	204	66

Epress 316L Stainless Steel, for 304 Stainless Steel, please substitute IM with EX at start of the part number

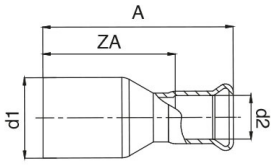
SLIP COUPLING





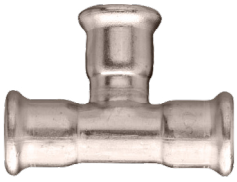
TUBE X TUBE	CODE	d1	A
15	IMSCS15	15	80
22	IMSCS22	22	85
28	IMSCS28	28	95
35	IMSCS35	35	105
42	IMSCS42	42	120
54	IMSCS54	54	135
76.1	IMSCS76	76.1	242
88.9	IMSCS89	88.9	272
108	IMSCS108	108	324

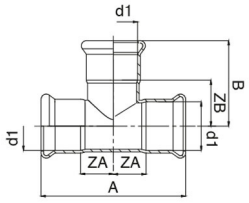
REDUCER



TUBE X FITTING	CODE	d1	d2	A	ZA
22 x 15	IMSRC2215	22	15	60	40.5
28 x 15	IMSRC2815	28	15	68	48.5
28 x 22	IMSRC2822	28	22	63	40.5
35 x 22	IMSRC3522	35	22	70	47.5
35 x 28	IMSRC3528	35	28	67	44.5
42 x 22	IMSRC4222	42	22	86	63.5
42 x 28	IMSRC4228	42	28	82	59.5
42 x 35	IMSRC4235	42	35	76	50.5
54 x 28	IMSRC5428	54	28	96	73.5
54 x 35	IMSRC5435	54	35	94	68.5
54 x 42	IMSRC5442	54	42	95	65.5
76.1 x 54	IMSRC7654	76.1	54	140	103
88.9 x 54	IMSRC8954	88.9	54	154	119
88.9 x 76.1	IMSRC8976	88.9	76.1	182	127
108 x 54	IMSRC10854	108	54	204	167
108 x 76.1	IMSRC10876	108	76.1	265	210
108 x 88.9	IMSRC10889	108	88.9	249.5	189.5

TEE

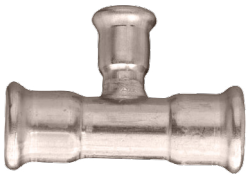


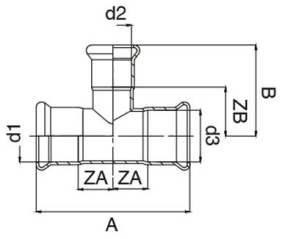


TUBE X TUBE X TUBE	CODE	d1	A	B	ZA	ZB
15	IMST15	15	68	34	14.5	14.5
22	IMST22	22	79	39.5	17	17
28	IMST28	28	92	46	23.5	23.5
35	IMST35	35	106	53	27.5	27.5
42	IMST42	42	124	62	32.5	32.5
54	IMST54	54	146	73	38.5	38.5
76.1	IMST76	76.1	242	121.5	66	66.5
88.9	IMST89	88.9	272	133	76	73
108	IMST108	108	324	165	92	95

Epress 316L Stainless Steel, for 304 Stainless Steel, please substitute IM with EX at start of the part number

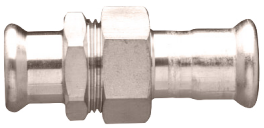
REDUCING TEE

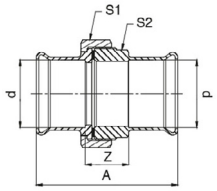




TUBE X TUBE X TUBE	CODE	d1	d2	d3	A	B	ZA	ZB
22 x 15 x 22	IMSRT2215	22	15	22	98	48	26.5	28.5
28 x 15 x 28	IMSRT2815	28	15	28	112	61	33.5	41.5
28 x 22 x 28	IMSRT2822	28	22	28	112	54	33.5	34.5
35 x 15 x 35	IMSRT3515	35	15	35	136	65	42.5	45.5
35 x 22 x 35	IMSRT3522	35	22	35	132	59	40.5	36.5
35 x 28 x 35	IMSRT3528	35	28	35	132	62	40.5	39.5
42 x 15 x 42	IMSRT4215	42	15	42	156	62	48.5	42.5
42 x 22 x 42	IMSRT4222	42	22	42	156	63	48.5	40.5
42 x 28 x 42	IMSRT4228	42	28	42	156	75	48.5	52.5
42 x 35 x 42	IMSRT4235	42	35	42	156	75	48.5	49.5
54 x 22 x 54	IMSRT5422	54	22	54	184	67	57.5	44.5
54 x 28 x 54	IMSRT5428	54	28	54	184	72	57.5	49.5
54 x 35 x 54	IMSRT5435	54	35	54	184	90	57.5	64.5
54 x 42 x 54	IMSRT5442	54	42	54	184	109	57.5	79.5
76.1 x 22 x 76.1	IMSRT7622	76.1	22	76.1	152	80.5	25	56.5
76.1 x 28 x 76.1	IMSRT7628	76.1	28	76.1	152	83	25	58
76.1 x 35 x 76.1	IMSRT7635	76.1	35	76.1	242	84	66	58
76.1 x 42 x 76.1	IMSRT7642	76.1	42	76.1	242	91.5	66	55.5
76.1 x 54 x 76.1	IMSRT7654	76.1	54	76.1	242	101	66	61
88.9 x 28 x 88.9	IMSRT8928	88.9	28	88.9	175	89.5	27	64.5
88.9 x 35 x 88.9	IMSRT8935	88.9	35	88.9	272	90.5	76	64.5
88.9 x 42 x 88.9	IMSRT8942	88.9	42	88.9	272	98	76	62
88.9 x 54 x 88.9	IMSRT8954	88.9	54	88.9	272	107.5	76	67.5
88.9 x 76.1 x 88.9	IMSRT8976	88.9	76.1	88.9	272	128	76	73
108 x 22 x 108	IMSRT10822	108	22	108	204	96.5	33	73.5
108 x 28 x 108	IMSRT10828	108	28	108	204	99	33	74
108 x 35 x 108	IMSRT10835	108	35	108	324	100	92	74
108 x 42 x 108	IMSRT10842	108	42	108	324	107.5	92	71.5
108 x 54 x 108	IMSRT10854	108	54	108	324	112	92	77
108 x 76.1 x 108	IMSRT10876	108	76.1	108	324	137.5	92	82.5
108 x 88.9 x 108	IMSRT10889	108	88.9	108	324	142.5	92	82.5

TUBE / TUBE BARRELL UNION





TUBE X TUBE	CODE	d	A	S1	S2	Z
15	IMSBUP15	15	85	24	25	46
22	IMSBUP22	22	97	37	34	52
28	IMSBUP28	28	91	46	45	46
35	IMSBUP35	35	120	52	50	69
42	IMSBUP42	42	134	64	60	75
54	IMSBUP54	54	144	85	75	75

Epress 316L Stainless Steel, for 304 Stainless Steel, please substitute IM with EX at start of the part number

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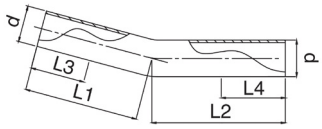
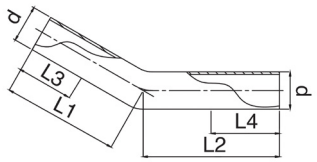
ELBOW 15° PLAIN END



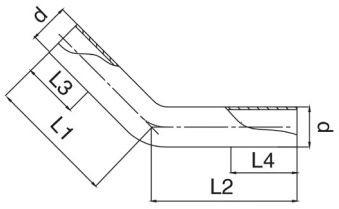
TUBE X TUBE	CODE	d	L1	L2
15	IMSPE1515	15	60	122
22	IMSPE1522	22	50	124
28	IMSPE1528	28	80	120
35	IMSPE1535	35	120	200
42	IMSPE1542	42	150	250
54	IMSPE1554	54	117	337
76.1	IMSPE1576	76.1	228	228
88.9	IMSPE1589	88.9	240	240
108	IMSPE15108	108	249	249

ELBOW 30° PLAIN END



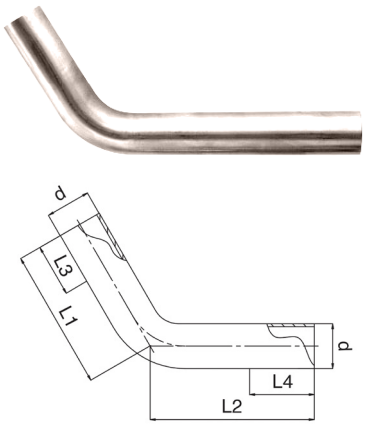
TUBE X TUBE	CODE	d	L1	L2
15	IMSPE3015	15	60	122
22	IMSPE3022	22	70	124
28	IMSPE3028	28	80	120
35	IMSPE3035	35	80	218
42	IMSPE3042	42	98	274
54	IMSPE3054	54	137	324
76.1	IMSPE3076	76.1	201	201
88.9	IMSPE3089	88.9	241	241
108	IMSPE30108	108	263	263

ELBOW 45° PLAIN END



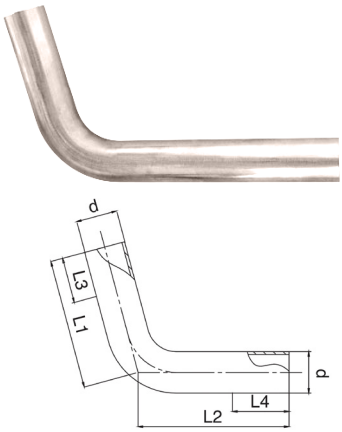
TUBE X TUBE	CODE	d	L1	L2
15	IMSPE4515	15	62	120
22	IMSPE4522	22	76	120
28	IMSPE4528	28	78	122
35	IMSPE4535	35	94	206
42	IMSPE4542	42	114	262
54	IMSPE4554	54	146	321
76.1	IMSPE4576	76.1	225	225
88.9	IMSPE4589	88.9	267	267
108	IMSPE45108	108	293	293

ELBOW 60° PLAIN END



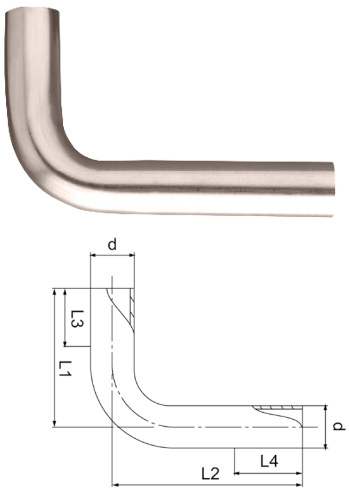
TUBE X TUBE	CODE	d	L1	L2
15	IMSPE6015	15	60	122
22	IMSPE6022	22	60	118
28	IMSPE6028	28	80	120
35	IMSPE6035	35	120	200
42	IMSPE6042	42	150	250
54	IMSPE6054	54	200	300
76.1	IMSPE6076	76.1	215	215
88.9	IMSPE6089	88.9	256	256
108	IMSPE60108	108	292	292

ELBOW 75° PLAIN END



TUBE X TUBE	CODE	d	L1	L2
15	IMSPE7515	15	65	120
22	IMSPE7522	22	64	118
28	IMSPE7528	28	71	114
35	IMSPE7535	35	110	200
42	IMSPE7542	42	137	251
54	IMSPE7554	54	178	305
76.1	IMSPE7576	76.1	240	240
88.9	IMSPE7589	88.9	280	280
108	IMSPE75108	108	345	345

ELBOW 90° PLAIN END



TUBE X TUBE	CODE	d	L1	L2
15	IMSPE9015	15	95	120
22	IMSPE9022	22	70	70
28	IMSPE9028	28	60	80
35	IMSPE9035	35	120	200
42	IMSPE9042	42	150	250
54	IMSPE9054	54	200	300
76.1	IMSPE9076	76.1	250	250
88.9	IMSPE9089	88.9	291	291
108	IMSPE90108	108	364	364

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

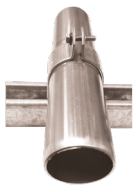
ZINC SCL-2

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

STAINLESS STEEL SSCL

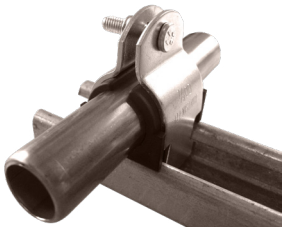
CODE	DESCRIPTION
SSCL15	Stainless Steel 316 Nut Clip M10, 15mm
SSCL22	Stainless Steel 316 Nut Clip M10, 22mm
SSCL28	Stainless Steel 316 Nut Clip M10, 28mm
SSCL35	Stainless Steel 316 Nut Clip M10, 35mm
SSCL42	Stainless Steel 316 Nut Clip M10, 42mm
SSCL54	Stainless Steel 316 Nut Clip M10, 54mm
SSCL76	Stainless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



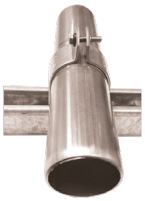
CODE	DESCRIPTION
SSSCL15	Stainless Steel 316 Two Piece Channel Clip 15mm
SSSCL22	Stainless Steel 316 Two Piece Channel Clip 22mm
SSSCL28	Stainless Steel 316 Two Piece Channel Clip 28mm
SSSCL35	Stainless Steel 316 Two Piece Channel Clip 35mm
SSSCL42	Stainless Steel 316 Two Piece Channel Clip 42mm
SSSCL54	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

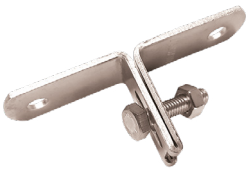


CODE	DESCRIPTION
SCLE5-89	Zinc Plated Two Piece Channel Clip 89mm
SCLE5-108	Zinc Plated Two Piece Channel Clip 108mm
SCLE5-PVCROLL	PVC Strip Insert 20M Roll

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-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

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)

EPRESS® INSTALLATION

EARTHING CONTINUITY

Epress has excellent earthing capabilities, when fittings are pressed onto conduit full contact is made between fitting and conduit ensuring continuous conductivity for earthing.

WATERPROOF / IP RATING

Epress is fully resistant to water ingress and can be used in pressure and fully submerged. Full protection against dust and other particulates, including a vacuum seal, protection against powerful jets of directed water from any direction, protection against high-pressure, high-temperature jet sprays, wash-downs or steam-cleaning procedures and protection against extended immersion under high pressure results in IP rating of 68 & 69K.

CORROSIVE ENVIRONMENTS

EPRESS® has excellent resistance to a broad range of chemicals and or industrial mixtures. O-rings are available in a range of materials, user should verify compatibility of components with their application. EPRESS® stainless steel conduits generally do not require any additional corrosion protection, except in atmospheres which contain chloride or chlorine. When planning and installing EPRESS®, high concentrations of chloride, which could work on the system externally, need to be avoided as a matter of principle. In some applications protect by suitable coatings or jacketing. Extensive compatibility charts are available. Resistance to specific chemicals should be checked with Technical Department.

UNDERGROUND SYSTEMS

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

EXPLOSIVE OR IGNITABLE ATMOSPHERE

You, the user/customer/purchaser is responsible to identify any potential hazardous areas and to take necessary measures or precautions for complete safety. Information on protective measures is available with advice on your specific application.

CUTTING

EPRESS® tubes are best cut with tube cutters or a fine-toothed planetary metal saw – whereby it is essential to ensure that the blade was not used previously to cut unalloyed steel. If electrically powered saws are used, the cutting speed must be limited so that temper colours are not created at the point of cutting in order to prevent the material becoming sensitised.

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 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

EPRESS® 15 mm to 28 mm can be bent cold with suitable bending tools. A bending radius of at least
r = 3.5 x 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 EPRESS®
IS NOT PERMITTED.**

THREAD SEALANTS

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

STORAGE, TRANSPORT & CLIPPING

Ensure that tube and fittings do not come into contact with mild/carbon steel as damage to EPRESS®'s inherent passive layer will result. A physical separation must be maintained between EPRESS® and metal strapping, racking, truck trays, trolleys, workbenches, etc.

THERMAL EXPANSION

Epress® 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.

EPRESS® THERMAL EXPANSION FORMULA

$$\Delta\ell = \frac{a\,\ell\,\Delta T}{1000}$$

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

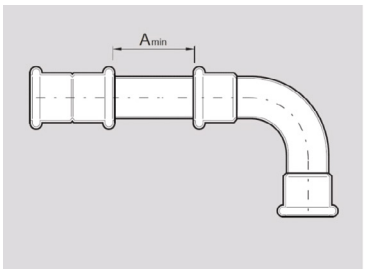
SUPPORT SPACINGS

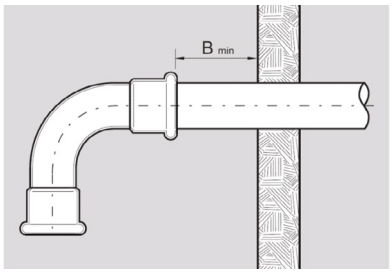
TUBE SIZE	SUPPORT SPACING (METRES)
15	1
22	1.5
28	1.8
35	2.2
42	2.4
54	2.7
76	3
89	3
108	3

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	10	60
22	10	60
28	10	60
35	10	60
42	20	60
54	20	60
76.1	30	60
88.9	30	60
108	30	60

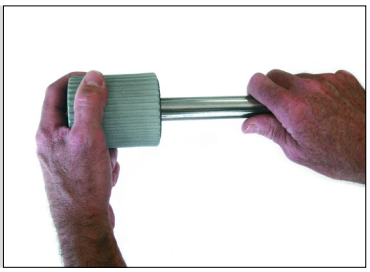
EPRESS®
PRESS PROCEDURE

CLICK HERE FOR ONLINE TRAINING VIDEO

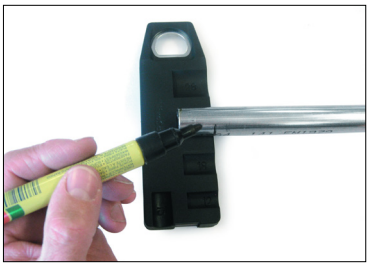
EPRESS® 15 MM UP TO 35 MM

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.



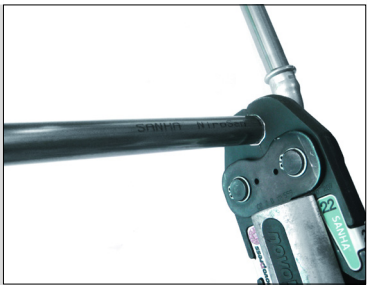
3. Witness mark the insertion depth on the tube.



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

5. Check EPRESS® 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.

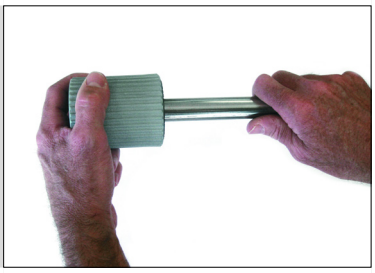
EPRESS®
PRESS PROCEDURE

CLICK HERE FOR ONLINE TRAINING VIDEO

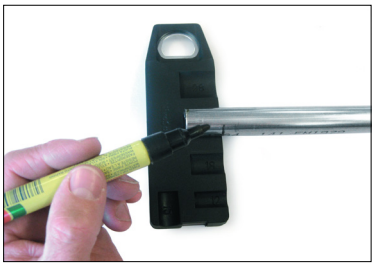
EPRESS® 42 MM UP TO 54 MM

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 EPRESS® 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 EPRESS® fittings.

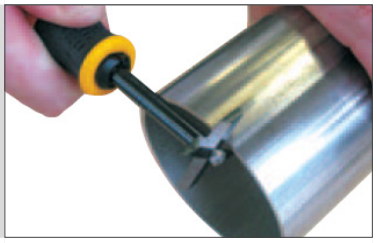
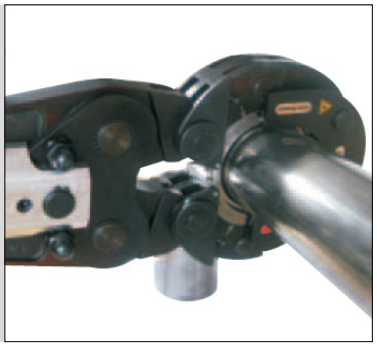
6. Open the intermediate jaw by pressing the jaw levers down, connect jaw to pressing sling. Check whether fitting outer edge correlates with the marking of the insertion depth. Commence the pressing procedure by actuating the start button on the press tool, hold down for three seconds to activate automatic 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.

EPRESS®
PRESS PROCEDURE

CLICK HERE FOR ONLINE TRAINING VIDEO

EPRESS® 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 EPRESS® 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 EPRESS® 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.

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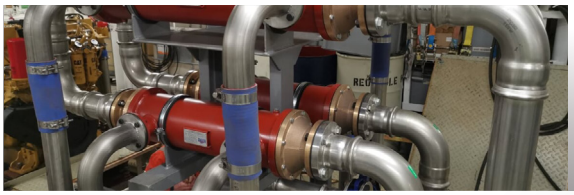
PRODUCT RANGE

1300 85 45 20

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

Tubepress®



- 316L Stainless Steel
- Press connection
- Standard pressure ratings
- 15mm – 108mm
- Watermark & ActivFire® Certification

impress®

- 316L Stainless Steel
- Press connection
- 25 Bar Pressure Rating
- 140 – 168mm
- Watermark & ActivFire® Certification

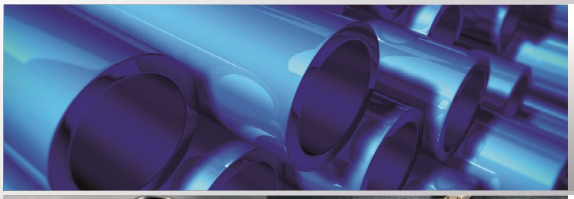
impress® LARGE BORE

- 304L Stainless Steel
- Economic alternative to copper pipe
- Press connection
- Standard pressure ratings
- 15mm – 108mm
- ActivFire® Certification

EXPRESS®

- Stainless Steel Compression Fittings
- Double ferrule compression
- Unique perfect tightness indicator
- Seamless BA Tubing

VIS-LOK®



- Compressed Air Pipe System
- PE100 polyethylene
- PN16 Compressed Air & PN25 Fluids
- Corrosion Free, Food Grade
- 20mm – 160mm

(larger sizes available on request)

blutube®

STAINLESS STEEL THREADED FITTINGS & VALVES

FOR MORE PRODUCTS, PLEASE VISIT ibexaustralia.com.au

TRADING TERMS

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As part of a process of continual improvement, IBEX Australia reserves the right to upgrade or modify components from this description in this manual at any time without notice.

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