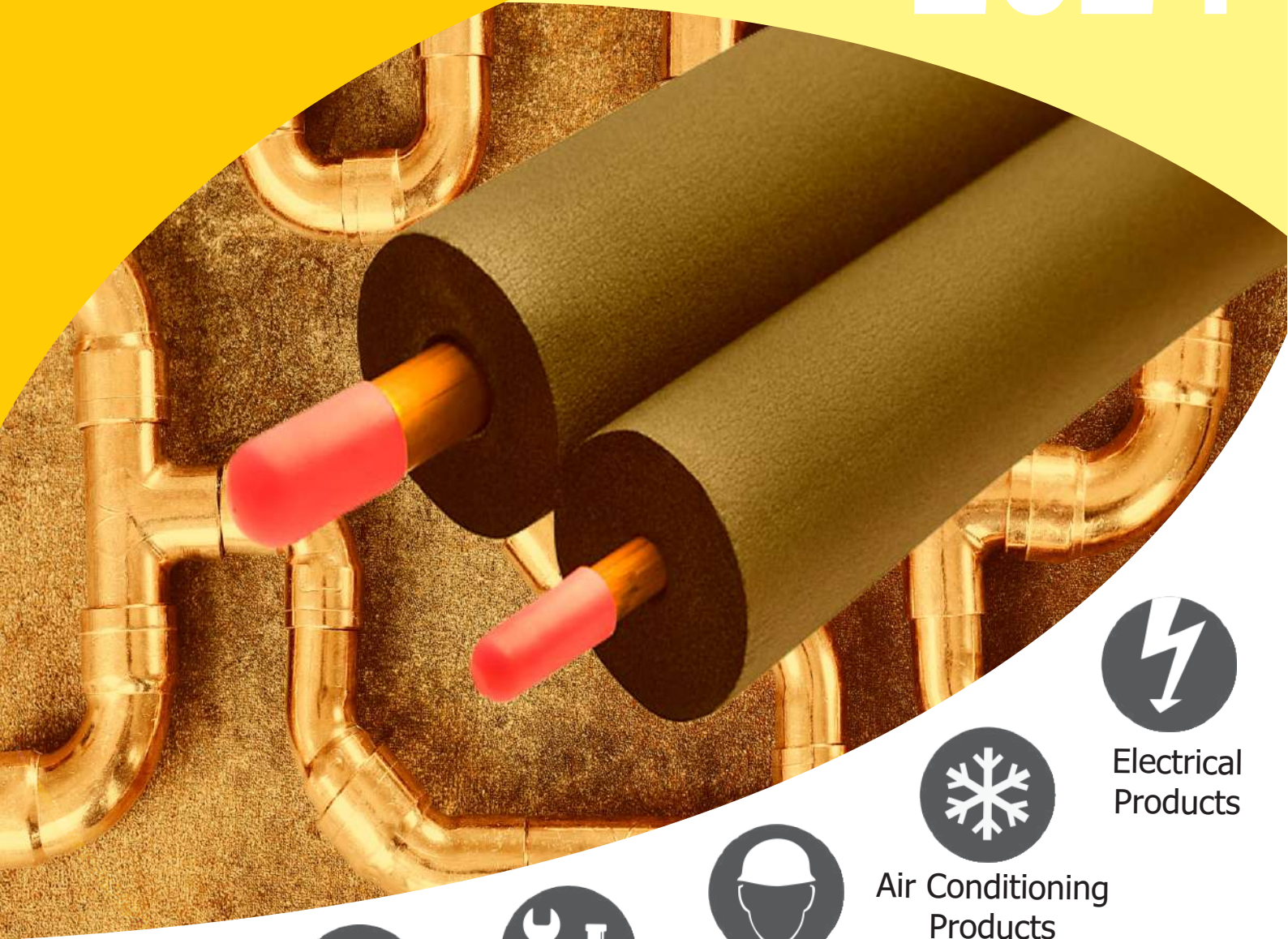


M-FLEX

Mechanical Services CATALOGUE

2024



HVAC
Products



Hardware
Products



Plumbing
Products



Building Service
Products



Air Conditioning
Products



Electrical
Products

Tradestore, 39 Cawarra Road, Caringbah, NSW 2229
WWW.TRADESTORE.COM.AU | 1300 739 563

COPPER PIPE FOR A/C AND REFRIGERATION

Pre-Insulated Premium Black Paired Coil		Size						Wt Per Piece (kg)
Code	Dimensions	OD (mm)	WT (mm)	L (M)	OD (mm)	WT (mm)	L (M)	
CUCRR1438	Cu Pair Coil(6.35x0.81+9.52x0.81)x20M	6.35	0.81	20	9.52	0.81	20	6.41
CUCRR1412	Cu Pair Coil(6.35x0.81+12.7x0.81)x20M	6.35	0.81	20	12.70	0.81	20	7.84
CUCRR1458	Cu Pair Coil(6.36x0.81+15.88x1.02)x20M	6.35	0.81	20	15.88	1.02	20	10.85
CUCRR3858	Cu Pair Coil(9.52x0.81+15.88x1.02)x20M	9.52	0.81	20	15.88	1.02	20	12.27
CUCRR3434	Cu Pair Coil(9.52x0.81+19.05x1.14)x20M	9.52	0.81	20	19.05	1.14	20	15.38
CUCRR1234	Cu Pair Coil(12.7x0.81+19.05x1.14)x20M	12.70	0.81	20	19.05	1.14	20	16.81
R410A Rated	Yes - all items							
Type	AN - all items							



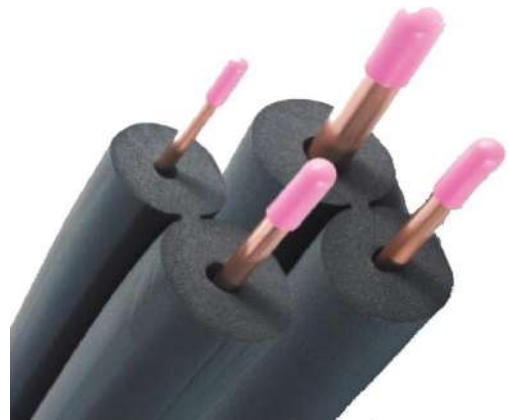
Pancake Copper Coils		R410A Rated	Type	Size			Wt Per Piece (kg)
Code	Dimensions			OD (mm)	WT (mm)	L (M)	
CUC1421P30	Cu Pancake (6.35x0.81)x30M	Yes	AN	6.35	0.81	30	5.36
CUC3821P	Cu Pancake (9.52x0.81)x18M	Yes	AN	9.52	0.81	18	3.57
CUC1221P	Cu Pancake (12.7x0.81)x18M	Yes	AN	12.70	0.81	18	4.87
CUC5819P	Cu Pancake (15.88x1.02)x18M	Yes	AN	15.88	1.02	18	7.66
CUC3420P	Cu Pancake (19.05x0.91)x18M		AN	19.05	0.91	18	8.34
CUC3419P	Cu Pancake (19.05x1.14)x18M	Yes	AN	19.05	1.14	18	10.30
CUC7820P	Cu Pancake (22.23x0.91)x18M		AN	22.23	0.91	18	9.81
CUC7817P	Cu Pancake (22.23x1.40)x18m	Yes	AN	22.23	1.40	18	17.00



FIRE RATE

COPPER PIPE FOR A/C AND REFRIGERATION

Pre-Insulated Paired Coil		Size						Wt Per
Code	Dimensions	OD (mm)	WT (mm)	L (M)	OD (mm)	WT (mm)	L (M)	Piece (kg)
CUCFR1438K	1/4 x 3/8 13mm Fire Rated Pair Coil 20m	6.35	0.81	20	9.52	0.81	20	9.10
CUCFR1412K	1/4 x 1/2 13mm Fire Rated Pair Coil 20m	6.35	0.81	20	12.70	0.81	20	11.50
CUCFR1458K	1/4 x 5/8 13mm Fire Rated Pair Coil 20m	6.35	0.81	20	15.88	1.02	20	13.95
CUCFR3858K	3/8 x 5/8 13mm Fire Rated Pair Coil 20m	9.52	0.81	20	15.88	1.02	20	15.60
CUCFR3834K	3/8 x 3/4 13mm Fire Rated Pair Coil 20m	9.52	0.81	20	19.05	1.14	20	19.30
R410A Rated	Yes - all items							
Type	AN - all items							



Pre-Insulated Paired Coil		Size						Wt Per
Code	Dimensions	OD (mm)	WT (mm)	L (M)	OD (mm)	WT (mm)	L (M)	Piece (kg)
CUCFR19K1438	1/4 x 3/8 FR 19mm Wall Pair Coil 18m	6.35	0.81	18	9.52	0.81	18	10.30
CUCFR19K1412	1/4 x 1/2 FR 19mm Wall Pair Coil 18m	6.35	0.81	18	12.70	0.81	18	11.75
CUCFR19K1458	1/4 x 5/8 FR 19mm Wall Pair Coil 18m	6.35	0.81	18	15.88	1.02	18	14.50
CUCFR19K3858	3/8 x 5/8 FR 19mm Wall Pair Coil 18m	9.52	0.81	18	15.88	1.02	18	15.88
CUCFR25W1458	1/4 x 5/8 FR 25mm Wall Pair Coil 12m	6.35	0.81	18	15.88	1.02	18	
CUCFR25W3858	3/8 x 5/8 FR 25mm Wall Pair Coil 15m	9.52	0.81	18	15.88	1.02	18.00	
CUCFR25W3834	3/8 x 3/4 FR 25mm Wall Pair Coil 12m	9.52	0.81	20	19.05	1.14	18.00	
R410A Rated	Yes - all items							
Type	AN - all items							

COPPER PIPE FOR A/C AND REFRIGERATION

Drawn Lengths		R410A Rated	Type	Size			Wt Per Piece (kg)
Code	Dimensions			OD (mm)	WT (mm)	L (M)	
CUSAC0621	Cu AC Length (6.35x0.81)x6M	Yes	HD	6.35	0.81	6	0.76
CUSAC1021	Cu AC Length (9.52x0.81)x6M	Yes	HD	9.52	0.91	6	1.19
CUSAC1221H	Cu AC Length (12.7x0.81)x6M	Yes	HH	12.70	0.91	6	1.62
CUSAC1621H	Cu AC Length (15.88x0.81)x6M		HH	15.88	0.91	6	2.06
CUSAC1619H	Cu AC Length (15.88x1.02)x6M	Yes	HH	15.88	1.02	6	2.55
CUSAC2020H	Cu AC Length (19.05x0.91)x6M		HH	19.05	0.91	6	2.78
CUSAC2019H	Cu AC Length (19.05x1.14)x6M	Yes	HH	19.05	1.14	6	3.44
CUSAC2220	Cu AC Length (22.23x0.91)x6M		HD	22.23	0.91	6	3.27
CUSAC2217	Cu AC Length (22.23x1.40)x6M	Yes	HD	22.23	1.63	6	4.91
CUSAC2520	Cu AC Length (25.4x0.91)x6M		HD	25.40	0.91	6	3.75
CUSAC2516	Cu AC Length (25.4x1.63)x6M	Yes	HD	25.40	1.63	6	6.53
CUSAC2820	Cu AC Length (28.58x0.91)x6M		HD	28.58	0.91	6	4.24
CUSAC2814	Cu AC Length (28.58x1.83)x6M	Yes	HD	28.58	1.83	6	8.25
CUSAC3220	Cu AC Length (31.75x0.91)x6M		HD	31.75	0.91	6	4.73
CUSAC3212	Cu AC Length (31.75x2.03)x6M	Yes	HD	31.75	2.03	6	10.16
CUSAC3520	Cu AC Length (34.9x0.91)x6M		HD	34.90	0.91	6	5.21
CUSAC3512	Cu AC Length (34.9x2.03)x6M	Yes	HD	34.90	2.03	6	11.24
CUSAC3820	Cu AC Length (38.1x0.91)x6M		HD	38.10	0.91	6	5.70
CUSAC3814	Cu AC Length (38.1x2.29)x6M	Yes	HD	38.10	2.29	6	13.82
CUSAC4220	Cu AC Length (41.28x0.91)x6M		HD	41.28	0.91	6	6.19
CUSAC4213	Cu AC Length (41.28x2.41)x6M	Yes	HD	41.28	2.41	6	15.78
CUSAC5018	Cu AC Length (50.8x1.22)x6M		HD	50.80	1.22	6	10.19
CUSAC5420	Cu AC Length (54.0x0.91)x6M		HD	54.00	0.91	6	8.14
CUSAC5418	Cu AC Length (54.0x1.22)x6M		HD	54.00	1.22	6	10.85
CUSAC5818	Cu AC Length (66.7x1.22)x6M		HD	66.70	1.22	6	13.46

Code	9mm Continous Coil Insulation
TSSC9INS14	6 mm Continous Coil 9mm - 70m
TSSC9INS38	10 mm Continous Coil 9mm - 50m
TSSC9INS12	12 mm Continous Coil 9mm - 45m
TSSC9INS58	15 mm Continous Coil 9mm - 40m
TSSC9INS1	25 mm Continous Coil 9mm - 26m

Code	13mm Continous Coil Insulation
TSSC13INS14	6 mm Continous Coil 13mm - 45m
TSSC13INS38	10 mm Continous Coil 13mm - 35m
TSSC13INS12	12 mm Continous Coil 13mm - 32m
TSSC13INS58	15 mm Continous Coil 13mm - 32m
TSSC13INS1	25 mm Continous Coil 13mm - 20m



HVAC COPPER

Code	Description
CUFE14D90	1/4 90 Degree Elbow R410A
CUFE38D90	3/8 90 Degree Elbow R410A
CUFE12D90	1/2 90 Degree Elbow R410A
CUFE58D90	5/8 90 Degree Elbow R410A
CUFE34D90	3/4 90 Degree Elbow R410A
CUFE78D90	7/8 90 Degree Elbow R410A
CUFE10D90	1 90 Degree Elbow R410A
CUFE114D90	1 1/4 90 Degree Elbow R410
CUFE118D90	1 1/8 90 Degree Elbow R410A
CUFE138D90	1 3/8 90 Degree Elbow R410A
CUFE158D90	1 5/8 90 Degree Elbow R410A



Code	Description
CUFE38D45	3/8 45 Degree Elbow R410A
CUFE12D45	1/2 45 Degree Elbow R410A
CUFE58D45	5/8 45 Degree Elbow R410A
CUFE34D45	3/4 45 Degree Elbow R410A
CUFE78D45	7/8 45 Degree Elbow R410A
CUFE10D45	1 45 Degree Elbow R410A
CUFE118D45	1 1/8 45 Degree Elbow R410A
CUFE138D45	1 3/8 45 Degree Elbow R410A
CUFE158D45	1 5/8 45 Degree Elbow R410A



Code	Description
CUFC14	1/4 Coupling R410A
CUFC38	3/8 Coupling R410A
CUFC12	1/2 Coupling R410A
CUFC58	5/8 Coupling R410A
CUFC34	3/4 Coupling R410A
CUFC78	7/8 Coupling R410A
CUFC10	1 Coupling R410A
CUFC118	1 1/8 Coupling R410A
CUFC138	1 3/8 Coupling R410A
CUFC158	1 5/8 Coupling R410A



M-Flex FR Insulation



Green Building
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FR Pipe Insulation 9mm Wall

Code	WALL (mm)	ID (mm)	LENGTHS (Per Carton)
TINS14	9	6	168
TINS38	9	10	130
TINS12	9	13	115
TINS58	9	15	90
TINS34	9	19	76
TINS78	9	22	70
TINS10	9	25	55
TINS118	9	28	55
TINS138	9	35	36
TINS158	9	42	30

FR Pipe Insulation 13mm Wall

Code	WALL (mm)	ID (mm)	LENGTHS (Per Carton)
TFR13INS14	13	6	90
TFR13INS38	13	10	80
TFR13INS12	13	13	65
TFR13INS58	13	15	60
TFR13INS34	13	19	45
TFR13INS78	13	22	40
TFR13INS1	13	25	40
TFR13INS118	13	28	36
TFR13INS138	13	35	30
TFR13INS158	13	42	25

For more information visit: www.mflex.com.au

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N 43 006 014 106

M-Flex FR Insulation



Green Building
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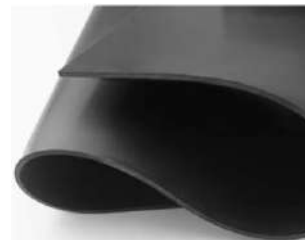
FR Pipe Insulation 19mm Wall

Product Code	WALL (mm)	ID (mm)	LENGTHS (Per Carton)
TFRINS14	19	6	49
TFRINS38	19	10	42
TFRINS12	19	13	36
TFRINS58	19	15	36
TFRINS34	19	19	30
TFRINS78	19	22	27
TFRINS10	19	25	24
TFRINS118	19	28	24
TFRINS138	19	35	16
TFRINS158	19	42	16
TFRINS218	19	54	12



FR Pipe Insulation 25mm Wall

Product Code	WALL (mm)	ID (mm)	LENGTHS (Per Carton)
TFR25INS14	25	6	32
TFR25INS38	25	10	30
TFR25INS12	25	13	25
TFR25INS58	25	15	23
TFR25INS34	25	19	20
TFR25INS78	25	22	18
TFR25INS1	25	25	17
TFR25INS118	25	28	16
TFR25INS138	25	35	12
TFR25INS158	25	42	12
TFR25INS218	25	54	9



Single Sided Adhesive Rubber Sheets Rolls

Product Code	Description	\$ Per Roll	\$ PER 2M LENGTH
TSSK6	One Side Adhesive Rubber Sheet 30m x 1.2mm x 6mm	261.79	\$ 2.38
TSSK9	One Side Adhesive Rubber Sheet 20m x 1.2mm x 9mm	269.93	\$ 2.38
TSSK13	One Side Adhesive Rubber Sheet 15m x 1.2mm x 13mm	POA	POA

M-Flex FR Insulation



Green Building
Council Australia

FR Pipe Insulation 32mm Wall

Product Code	WALL (mm)	ID (mm)	LENGTHS (Per Carton)
TFR32INS38	32	10	15
TFR32INS12	32	13	12
TFR32INS58	32	15	12
TFR32INS34	32	19	12
TFR32INS78	32	22	11
TFR32INS1	32	25	11
TFR32INS118	32	28	9
TFR32INS138	32	35	9
TFR32INS158	32	42	9
TFR32INS218	32	54	8



FR Pipe Insulation 38mm Wall

Product Code	WALL (mm)	ID (mm)	LENGTHS (Per Carton)
TFR38INS78	38	22	9
TFR38INS10	38	25	9
TFR38INS118	38	28	9
TFR38INS138	38	35	9
TFR38INS158	38	42	9

Foil Face Insulation - With NBR Inner FR Insulation

Product Code	WALL (mm)	ID (mm)	LENGTHS (Per Carton)
TFF25INS12	25	12	25
TFF25INS34	25	20	20
TFF25INS10	25	25	17
TFF25INS114	25	32	16
TFF25INS112	25	38	12
TFF25INS2	25	50	9
TFF25INS212	25	64	8
TFF25INS3	25	76	8
TFF25INS315	25	89	6
TFF25INS4	25	102	6



M-Flex FR Insulation



FR Insulation Tape 3mm x 48mm x 9.14m

Product Code	WALL (mm)	THICKNESS (mm)	LENGTHS (Per ROLL)
TINST15	3	50	9.14

FR Single Sided Gasket Tape 5mm x 15mm x 15m

Product Code	WALL (mm)	THICKNESS (mm)	LENGTHS (Per ROLL)
TINST15??	5	15	15

Reinforced Foil Tape

Product Code	WALL (mm)	THICKNESS (mm)	LENGTHS (Per ROLL)
FOIL48	1	48	45
FOIL72	1	72	45
FOIL100	1	100	45

Contact Adhesive

Product Code	Description
SOLT500	500ML Insulation Glue
TOOLBRUSH	Small Application Brush

Duct Tape

Product Code	Description
DUCTG	Grey Duct Tape - Trade Quality - 48mmx30m
DUCTB	Black Duct Tape - Trade Quality - 48mmx30m



Plumbing Copper

Copper Pancake Coil		Pack	Type	Size			Weight/ Piece (kg)
Code	Dimensions	Qty		OD (mm)	Wt (mm)	L (mm)	
CUPP1220	Cu Pancake (12.7x0.91)x18M DN15B-AN	4	AN	12.70	0.91	18	5.42
CUPP1220L	Cu Pancake (12.7x0.91)x18M DN15B-AN	1	AN-LAG	12.70	0.91	18	5.42
CUPP2019	Cu Pancake (19.05x1.02)x18M DN20B-AN	2	AN	19.05	1.02	18	9.30
CUPP2019L	Cu Pancake (19.05x1.02)x18M DN20B-AN	1	AN-LAG	19.05	1.02	18	9.30

TYPE B PLUMBING COPPER		Pack	Type	Size			Weight/ Piece (kg)
Code	Dimensions	Qty		OD (mm)	Wt (mm)	L (mm)	
CUSP1220	Cu Length (12.7x0.91)x6M DN15B-BQ	150	BQ	12.70	0.91	6	1.81
CUSP1220L	Cu Length (12.7x0.91)x6M DN15B-BQ	10	BQ-LAG	12.70	0.91	6	1.81
CUSP2020	Cu Length (19.05x0.91)x6M DN20C-BQ	50	BQ	19.05	0.91	6	2.80
CUSP2019	Cu Length (19.05x1.02)x6M DN20B-BQ	100	BQ	19.05	1.02	6	3.10
CUSP2019L	Cu Length (19.05x1.02)x6M DN20B-BQ	10	BQ-LAG	19.05	1.02	6	3.10
CUSP2518	Cu Length (25.4x1.22)x6M DN25B-HD	60	HD	25.40	1.22	6	4.97
CUSP3218	Cu Length (31.75x1.22)x6M DN32B-HD	50	HD	31.75	1.22	6	6.28
CUSP3818	Cu Length (38.1x1.22)x6M DN40B-HD	40	HD	38.10	1.22	6	7.58
CUSP5018	Cu Length (50.8x1.22)x6M DN50B-HD	30	HD	50.80	1.22	6	10.19
CUSP6518	Cu Length (63.5x1.22)x6M DN65B-HD	25	HD	63.50	1.22	6	12.80
CUSP8016	Cu Length (76.2x1.63)x6M DN80B-HD	15	HD	76.20	1.63	6	20.48
CUSP10016	Cu Length (101.6x1.63)x6M DN100B-HD	10	HD	101.60	1.63	6	27.45
CUSP12516	Cu Length (127.0x1.63)x6M DN125B-HD	8	HD	127.00	1.63	6	34.43
CUSP15014	Cu Length (152.4x2.03)x6M DN150B-HD	3	HD	152.40	2.03	6	51.43
CUSP20014	Cu Length (203.20x2.03)x6M DN200B-HD		HD	203.20	2.03	6	68.80



Plumbing Copper

Code	Description
CUFE15D90	Cu Fitting DN15x90 S/R P/B
CUFE20D90	Cu Fitting DN20x90 S/R P/B
CUFE25D90	Cu Fitting DN25x90 S/R P/B
CUFE32D90	Cu Fitting DN32x90 S/R P/B
CUFE40D90	Cu Fitting DN40x90 S/R P/B
CUFE50D90	Cu Fitting DN50x90 S/R P/B
CUFE65D90	Cu Fitting DN65x90 S/R P/B
CUFE80D90	Cu Fitting DN80x90 S/R P/B
CUFE100D90	Cu Fitting DN100x90 S/R P/B
CUFE25D45	Cu Fitting DN25x45 S/R P/B
CUFE32D45	Cu Fitting DN32x45 S/R P/B
CUFE40D45	Cu Fitting DN40x45 S/R P/B
CUFE50D45	Cu Fitting DN50x45 S/R P/B
CUFE65D45	Cu Fitting DN65x45 S/R P/B
CUFE80D45	Cu Fitting DN80x45 S/R P/B
CUFE100D45	Cu Fitting DN100x45 S/R P/B

Couplings

CUFC15	Cu Fitting DN15 Cu Coupling
CUFC20	Cu Fitting DN20 Cu Coupling
CUFC25	Cu Fitting DN25 Cu Coupling
CUFC32	Cu Fitting DN32 Cu Coupling
CUFC40	Cu Fitting DN40 Cu Coupling
CUFC50	Cu Fitting DN50 Cu Coupling
CUFC65	Cu Fitting DN65 Cu Coupling
CUFC80	Cu Fitting DN80 Cu Coupling
CUFC100	Cu Fitting DN100 Cu Coupling

F+F (W1R) Reducers

CUFRC2015	Cu Fitting DN20xDN15 PR Reducer
CUFRC2520	Cu Fitting DN25xDN20 PR Reducer

Silver Solder

CUSS2P	2% Yellow Tip Silver Solder - p/kg
CUSS5P	5% Silver Tip Silver Solder - p/kg
CUSS15P	15% Brown Tip Silver Solder - p/kg
CUSS45P	45% Silver Solder - p/stick



Plumbing Copper

Code	Description
CUFT15E	Cu Fitting DN15 Equal Tee
CUFT20E	Cu Fitting DN20 Equal Tee
CUFT25E	Cu Fitting DN25 Equal Tee
CUFT32E	Cu Fitting DN32 Equal Tee
CUFT40E	Cu Fitting DN40 Equal Tee
CUFT50E	Cu Fitting DN50 Equal Tee
CUFT65E	Cu Fitting DN65 Equal Tee
CUFT80E	Cu Fitting DN80 Equal Tee
CUFT100E	Cu Fitting DN100 Equal Tee
CUFTR202015	Cu Fitting Tee Reduce W25 20x20x15C
CUFTR252515	Cu Fitting Tee Reduce W25 25x25x15C
CUFTR252520	Cu Fitting Tee Reduce W25 25x25x20C
CUFTR201520	Cu Fitting Tee Reduce W26 20x20Cx15E
CUFTR251525	Cu Fitting Tee Reduce W26 25x25Cx15E
CUFTR252025	Cu Fitting Tee Reduce W26 25x25Cx20E
CUFTR201515	Cu Fitting Tee Reduce W27 20x15Cx15E
CUFTR252020	Cu Fitting Tee Reduce W27 25x20Cx20E

M&F Concentric Reducers

CUFR2015	Cu Fitting DN20X15 PR Reducers
CUFR2520	Cu Fitting DN25X20 PR Reducers
CUFR3220	Cu Fitting DN32X20 PR Reducers
CUFR3225	Cu Fitting DN32X25 PR Reducers
CUFR4020	Cu Fitting DN40X20 PR Reducers
CUFR4025	Cu Fitting DN40X25 PR Reducers
CUFR4032	Cu Fitting DN40X32 PR Reducers
CUFR5025	Cu Fitting DN50X25 PR Reducers
CUFR5032	Cu Fitting DN50X32 PR Reducers
CUFR5040	Cu Fitting DN50X40 PR Reducers
CUFR6540	Cu Fitting DN65X40 PR Reducers
CUFR6550	Cu Fitting DN65X50 PR Reducers
CUFR8050	Cu Fitting DN80X50 PR Reducers
CUFR8065	Cu Fitting DN80X65 PR Reducers
CUFR10050	Cu Fitting DN100X50 PR Reducers
CUFR10065	Cu Fitting DN100X65 PR Reducers



PRESSURE PIPE DRAINAGE SYSTEM

Air Conditioning & Refrigeration Drain Pipe	Nom. Size	Code	Pipe Length
	15	PD15ACR	4m
	20	PD20ACR	4m
	25	PD25ACR	4m
	32	PD32ACR	4m

Reducer Bushing (Slip x Slip) Cat. No. 5	Nom. Size	Code
	20 x 15	SRB0750
	25 x 15	SRB1005
	25 x 20	SRB1007
	32 x 20	SRB1207
	32 x 25	SRB1210
	250 x 200	SRB10080

Coupling (Slip x Slip) Cat. No. 7	Nom. Size	Code
	15	SCS05
	20	SCS07
	25	SCS10
	32	SCS12
	250	SCS100

Reducer Bushing (Slip x Slip) Cat. No. 8	Nom. Size	Code
	20 x 15	SRS0750
	25 x 15	SRS1005
	25 x 20	SRS1007
	32 x 20	SRS1207
	32 x 25	SRS1210

45 Degree Elbow (Slip x Slip) Cat. No. 10	Nom. Size	Code
	15	SAS05
	20	SAS07
	25	SAS10
	32	SAS12

90 Degree Elbow (Slip x Slip) Cat. No. 13	Nom. Size	Code
	15	SLS05
	20	SLS07
	25	SLS10
	32	SLS12

PRESSURE PIPE DRAINAGE SYSTEM

Valve Socket (Male Adpt) Cat No.17		
	Nom.	Size
		Code
	15	SMT05
	20	SMT07
	25	SMT10

P Trap		
	Nom.	Size
		Code
	20	EACT20
	25	EACT25

20mm Clear Jtrap Tube		
	Nom.	Size
		Code
	20	JTRAP

Faucet Socket (Female Adpt) Cat No.18		
	Nom.	Size
		Code
	15	SFT05
	20	SFT07
	25	SFT10

Tee (Slip & Slip) Cat No.19		
	Nom.	Size
		Code
	15	STS05
	20	STS07
	25	STS10
	20x25	STS1007
	32	STS12

CONDUIT DRAINAGE SYSTEM

Conduit Pipe		
	Nom.	Size
		Code
	16	ERC16
	20	ERC20
	25	ERC25
	32	ERC32
	40	ERC40
	50	ERC50

CONDUIT DRAINAGE SYSTEM

Couplings Grey		
	Nom.	Size
	16	ETC16
	20	ETC20
	25	ETC25
	32	ETC32
Step Reducer		
	Nom.	Size
	16 x 20	ERD2016
	25 x 20	ERD2520
	32 x 25	ERD3225
SWEEP BEND TELSTRA		
	Nom.	Size
	20	ESB20TELSTRA
90 Degree Elbow		
	Nom.	Size
	16	EEL16
	20	EEL20
	25	EEL25
	32	EEL32
Straight Tee		
	Nom.	Size
	16	EST16
	20	EST20
	25	EST25
	32	EST32
Flexible Hose		
	Nom.	Size
	16 x 50	HOSERF16
	18 x 50	HOSERF18
	16 x 30	HOSERFS16
Rigid Telstra Conduit		
	Nom.	Size
	20	ERC20TEL

PVC Solvent Cement			
 	Code	Description	Qty Pkt
	SOL100	Clear Solvent - 100g	1
	SOL500	Clear Solvent - 500g	1
	SOLB500	Type N PVC Blue Solvent -500ml	1
	SOLG500	Green Solvent - 500g	1
	SOLP500	Pink Priming Fluid - 500g	1
	SOLT1L	Insulation Adhesive - 1L	1
	SOLT500	Insulation Glue - 520 Adhesive 500ml	1
	SOL250	Type N PVC Clear Solvent - 250ml	1
	SOLB250	Type N PVC Blue Solvent - 250ml	1
	SOLG250	Green Solvent Type P - 250g	1
	SOLGN500	Clear PVC Glue Type P - 500ml	1
	SOLP250	Red Priming Fluid - 250g	1
	SOLPC500	PVC Clear Priming Fluid - 500ml	1
Red Cap			
	Code	Description	Qty Pkt
	REDCAP	20mm RedCap	1
	REDCAP25	25mm RedCap	1
EZ-Trap Transparent Cross Trap			
	Code	Description	Qty Pkt
	EZT113	Ez-Trap Trans Cross Trap	1
EZ-Trap Smart Trap With Float Switch			
	Code	Description	Qty Pkt
	EZT210	Ez-Trap Smart Trap With Float Switch	1
EZ-Trap Cut Off Switches			
	Code	Description	Qty Pkt
	EZT224	Close Couple Float Switch 20mm	1
	EZT225	Vertical/Horizontal Float Switch	1
	EZT226	Close Couple Float Switch 25mm	1
Brush			
	Code	Description	Qty Pkt
	EZT113B	EZ-TRAP with Brush	1
	EZT406	Flexible Brush	1

Clear and Re-inforced PVC Hose		
	Code	Description
	HOSECL06	6mm Clear Flexible PVC Hose
	HOSECL08	8mm Clear Flexible PVC Hose
	HOSECL10	10mm Clear Flexible PVC Hose
	HOSECL13	13mm Clear Flexible PVC Hose
	HOSECL19	16mm Clear Flexible PVC Hose
	HOSECL20	19mm Clear Flexible PVC Hose
	HOSECL25	25mm Clear Flexible PVC Hose
	HOSECL32	32mm Clear Flexible PVC Hose
	HOSECL38	38mm Clear Flexible PVC Hose
	HOSER10	10mm Re-Inforced Clear Flex Hose
	HOSER20	20mm Re-Inforced Clear Flex Hose
	HOSER25	25mm Re-Inforced Clear Flex Hose

Hose Clamps Zinc Plated		
	Code	Description
	HOSEC12	15-20mm Galvanised Hose Clamp
	HOSEC18	18-25mm Galvanised Hose Clamp
	HOSEC20	22-32mm Galvanised Hose Clamp
	HOSEC30	27-40mm Galvanised Hose Clamp
	HOSEC40	40-55mm Galvanised Hose Clamp
	HOSEC50	55-70mm Galvanised Hose Clamp
	HOSEC120	120-155mm Galvanised Hose Clamp
	HOSEC9216	216mm Galvanised Hose Clamps

Hose Clamps Stainless Steel		
	Code	Description
	HOSEC120S	120-155mm Stainless Steel Hose Clamp

Condensate Pumps		
	Code	Description
	PUMPCMAX	Maxi Orange Condensate Pump
	PUMPCMOR	Mini Orange Condensate Pump
	PUMPAQUA	Mini Aqua Condensate Pump
	PUMPCLIMES	Mini Lime Silent Condensate Pump
	PUMPCMB	Mini Blanc Condensate Pump
	PUMPBMIC	Blue Diamond Micro Blue Pump w Res
	PUMPBMIN	Blue Diamond Mini Blue Pump w Res

Tank Pumps Hi-Flow Aspen		
	Code	Description
	PUMPHFO	MAX Hi Flow Tank Pump
	PUMPBMAX	Blue Diamond Maxi Blue Pump w Res
	PUMPBMEG	Blue Diamond Mega Blue Pump w Res

MAPP Gas Tools		
	Code	Description
	TOOLMAPGAS	Mapp Gass
	TOOLMPV471XP	Vulcane Express Complete Set



Spring Flashings Dektites		
	Code	Description
	FLASH660	Flashing 6-60mm 120mm Base
	FLASH5080	Flashing 50-80mm 160mm Base
	FLASH60110	Flashing 6-110mm 195mm Base

CONSUMABLES

Christmass Tress Plugs			
	Code	Description	Qty - Pkt
	ACHRIST	Christmas Tree Plugs - 6mm	100
	ACHRIST8	Christmas Tree Plugs - 8mm	100

Mounting Base Self Adhesive			
	Code	Description	Qty - Pkt
	CTIEB13N	Mounting Base - Self Adhesive	100
	CTIEB19B	Mounting Base - Self Adhesive	100
	CTIEB19N	Mounting Base - Self Adhesive	100
	CTIEB28B	Mounting Base - Self Adhesive	100
	CTIEB28N	Mounting Base - Self Adhesive	100
	CTIEB38N	Mounting Base - Self Adhesive	100

Blue Hanging Strap			
	Code	Description	Qty - Pkt
	FS	Blue 25mm x 50m Hanging Strap	1

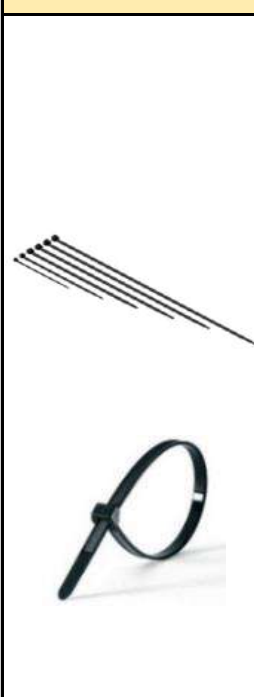
Perforated Steel Strapping			
	Code	Description	Qty - Pkt
	FS415M	Flexi-Strapping 23 x .04 x 15m (30kg)	1
	FS715M	Flexi-Strapping 23 x .07 x 15m (60kg)	1
	FS715S	Flexi-Strapping S/Steel 25 x 0.7 x 15m	1

Pair Coil Hanger For Threaded Rod			
	Code	Description	Qty -Pkt
	PRBMH2	Metal Pair Coil 3/8 - 5/8	10
	PRBPH2	Plastic Pair Coil Hanger 3/8 - 5/8	10

Duct Tape Nopi Brand			
	Code	Description	Qty - Pkt
	DUCTG	Grey Duct Tape - 48mm x 3m	60
	DUCTB	Black Duct Tape - 48mm x 3m	60

Continous Tie			
	Code	Description	Qty - Pkt
	CTIECNT	Continuous Tie - 16m	1
	CTIEB19B	Mounting Base - Self Adhesive - (100 Pack)	100

CONSUMABLES

Cable Ties			
	Code	Description	Qty - Pkt
	CTIE100B	Cable Tie Black 100 x 2.5mm	100
	CTIE100BN	Cable Tie Natural 100 x 2.5mm Bulk	100
	CTIE100N	Cable Tie Natural 100 x 2.5mm	100
	CTIE150B	Cable Tie Black 150 x 3.5mm	100
	CTIE900B	Cable Tie Black 900mm	100
	CTIE800B	Cable Tie Black 800mm	100
	CTIE540B	Cable Tie Black 540x7.6mm	100
	CTIE1220B	Cable Tie Black 1220x9.0mm	100
	CTIE150N	Cable Tie Natural 150 x 3.5mm	100
	CTIE200B	Cable Tie Black 200 x 4.7mm	100
	CTIE200N	Cable Tie Natural 200 x 4.7mm	100
	CTIE300B	Cable Tie Black 301 x 4.8mm	100
	CTIE300N	Cable Tie Natural 301 x 4.8mm	100
	CTIE370B	Cable Tie Black 370x4.8mm	100
	CTIE380B	Cable Tie Black 382 x 7.5mm	100
	CTIE380N	Cable Tie Natural 382 x 7.5mm	100
	CTIE383N	Cable Tie Nature 383 x 4.8mm	100
	Code	Description	Qty - Pkt
	CTIE150BULK	Cable Tie Black 150x3.5mm	1000
	CTIE200BN	Cable Tie Natural 200x4.7mm Bulk	1000
	CTIE200BULK	Cable Tie Black 200x4.7mm	1000
	CTIE300B500	Cable Tie Black 301x4.8mm	500
	CTIE300BULK	Cable Tie Black 301x4.8mm	1000
	CTIE150BN	Cable Tie Black 150 x 3.5mm Bulk	1000
Duct Ties			
	Code	Description	Qty - Pkt
	CTIE535N	Duct Cable Tie 535 x 8.8mm	25
	CTIE820N	Duct Cable Tie 820 x 8.8mm	25
	CTIE925N	Duct Cable Tie 925 x 8.8mm	25
	CTIE820W	Duct Cable Tie 820 x 8.8mm Wres	25
	CTIE1100N	Duct Cable Tie 1095 x 8.9mm	25
	CTIE1300W	Duct Cable Ties 1325 x 8.9 Wres	25
	CTIE1220N	Duct Tie 1220x9mm	100
	CTIE1550N	Duct Ties 1550x9mm (18inch)	100
	CTIE535W	Duct Cable Tie 535x8.8mm WRes	100
Cable Tie Weather			
	Code	Description	Qty - Pkt
	CTIE100W	Cable Tie Weather Res 100x2.5mm	
	CTIE200BW	Cable Tie Weather Res. 200x4.7mm Bulk	
	CTIE200W	Cable Tie Weather Res. 200x4.7mm	

CONSUMABLES

AC Bases			
	Code	Description	Qty Pkt
Ezyslab	POLYSBL	Polyslab - Large - 1130 x 650mm	1
	POLYSBM	Polyslab - Medium - 465 x 885mm	1
	POLYSBS	Polyslab - Small - 339 x 639mm	1
	POLYEZY	Ezyslab Black 930 x 480 x 50mm	1
	POLYMZ24	Black Walkway Matrix - 400x1200mm	1

POLYSLAB

Waffle Pad Strips an Squares			
	Code	Description	Qty
	WAEP1000100	Waffle Pad 1000x100x10	1
	WAEP5050	50x50mm WAFFLE SQUARE + 13mm HOLE	1
	WAEPFM45458	450x450 Waffle Pad	1
	WAEP2525	25mm Waffle washers 6mm hole	1
	WAEPFM4545FS	Shearflex 450x450 Red Waffle Pad	1

450mm PVC Mounting Block			
	Code	Description	Qty
	PDMBIV	450mm PVC Mounting Block	1

Adjustable And Standard Feet			
	Code	Description	Qty
	FRF400A	Adjustable Rubber Feet (Set of 4)	1
	FRFSTD	Rubber Condensor Stand (Pack of 4)	1

Hot Dipped Galvanised Cantilever Brackets			
	Code	Description	Qty
	CA0300	300mm Un-Braced Cantilever Brkt HDG	2
	CA0450	450mm Un-Braced Cantilever Brkt HDG	2
	CA0600	600mm Un-Braced Cantilever Brkt HDG	2
	CAB320	320mm BRACED CANTILEVER BRKT	2
	CAB470	470mm BRACED CANTILEVER BRKT HDG	2
	CAB635	635mm BRACED CANTILEVER BRKT HDG	2
	CAB780	780mm BRACED CANTILEVER BRKT	2
	CABB900	900mm Back-on-Back Cantilever Brkt	2
	CABASS1	CANTILEVER ASSEMBLY KIT NO RUBBER	1
	CABASS2	CANTILEVER ASSEMBLY KIT WITH RUBBER	1

CONSUMABLES

Studding Clip M10			
	Code	Description	Qty Pkt
	PRPS038	10mm M10 Studding Clip	10
	PRPS012	12mm M10 Studding Clip	10
	PRPS058	15mm STUDDING (M10) CLIP	10
	PRPS034	20mm STUDDING (M10) CLIP	10
	PRPS078	22mm STUDDING (M10) CLIP	10
	PRPS1	25mm STUDDING (M10) CLIP	10
	PRPS112	38mm STUDDING (M10) CLIP	10
	PRPS114	32mm STUDDING (M10) CLIP	10
	PRPS118	28mm STUDDING (M10) CLIP	10
	PRPS138	35mm STUDDING (M10) CLIP	10
	PRPS158	42mm STUDDING (M10) CLIP	10
	PRPS2	51mm M10 Studding Clip	10
	PRPS218	54mm M10 Studding Clip	10

Rapid Positioning Insul Clip			
	Code	Description	Qty
	PRPI034	20mm (3/4) Rapid Pos Insul Clip	10
	PRPI058	15mm (5/8) Rapid Pos Insul Clip	10
	PRPI078	22mm (7/8) Rapid Pos Insul Clip	10
	PRPI1	25mm (1) Rapid Pos Insul Clip	10
	PRPI112	38mm (1 1/2) Rapid Pos Insul Clip	10
	PRPI114	32mm (1 1/4) Rapid Pos Insul Clip	10
	PRPI118	28mm (1 1/8) Rapid Pos Insul Clip	10
	PRPI138	35mm (1 3/8) Rapid Pos Insul Clip	10
	PRPI158	42mm (1 5/8) Rapid Pos Insul Clip	10
	PRPI2	51mm (2) Rapid Pos Insul Clip	10

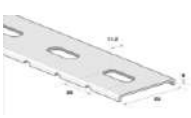
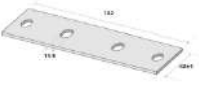
CONSUMABLES

Rubber Lined Channel Clips		
	Code	Description
	CHR010	9.5mm (3/8) RUBBER LINED CL
	CHR012	12.7mm (1/2) RUBBER LINED CL
	CHR016	15.8mm (5/8) RUBBER LINED CL
	CHR020	19mm (3/4) RUBBER LINED CL
	CHR022	22mm (7/8) RUBBER LINED CL
	CHR025	25mm (1) RUBBER LINED CL
	CHR028	28mm (1 1/8) RUBBER LINED CL
	CHR032	32mm (1 1/4) RUBBER LINED CL
	CHR035	35mm (1 3/8) RUBBER LINED CL
	CHR038	38mm (1 1/2) RUBBER LINED CL
	CHR041	41mm (1 5/8) RUBBER LINED CL
	CHR050	50mm (2) RUBBER LINED CL
	CHR060	60mm (2 1/2) RUBBER LINED CL
	CHR075	76mm (3) RUBBER LINED CL
	CHR090	88mm (3 1/2) RUBBER LINED CL
	CHR110	108-114.3mm RUBBER LINED CL
	CHR125	125-138.9mm RUBBER LINED CL
	CHR150	159-165.2mm RUBBER LINED CL



Quick Positioning Hangers M10		
	Code	Description
	PRQPH1118	Quick Pos Hanger 1 - 1 1/8 PIPE O/D

Wall And Roof Mount Brackets		
	Code	Description
	CAS450	Wall Bracket P/C Steel 180kg 450mm Arm
	CAS450S	460mm S/Steel Bracket with Cross Bar
	CAS550	Wall Bracket P/C Steel 250kg 550mm Arm
	CAR150	560mm P/Coated Roof Bracket
	CAR150S	Roof Bracket 150kg S/Steel

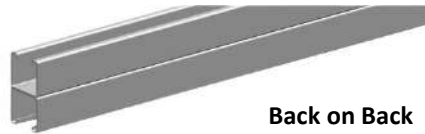
LT3 STD Laddertray			CABLE TRAY		
LT3 STD Laddertray Galvanised	Nom. Size	Code:	LT3 Radius Plate	Nom. Size	Code:
	150mm	CLSTD150			CLSTRPG
	300mm	CLSTD300			
	450mm	CLSTD450			
	600mm	CLSTD600			
LT3 Splice	Nom.	Code:	SBH Splice Bolt & SNH Splice Nut	Nom. Size	Code:
		CLSTSG			CLSTNUT
					CLSTBOT
LT3 Hold Down	Nom. Size	Code:	Cable Tray	Nom. Size	Code:
		CLSTDHDG		75mm	CLGB75
				100mm	CLGB100
				150mm	CLGB150
				225mm	CLGB225
				300mm	CLGB300
				450mm	CLGB450
				600mm	CLGB600
LT3 RISER LINK	Nom. Size	Code:	Cable Tray Bend	Nom. Size	Code:
		CLSTDRLG		75mm	CLGBTB75
				100mm	CLGBTB100
				150mm	CLGBTB150
				225mm	CLGBTB225
				300mm	CLGBTB300
				450mm	CLGBTB450
				600mm	CLGBTB600
LT3 Tee/Cross	Nom. Size	Code:	Cable Tray Tee	Nom. Size	Code:
				75mm	CLGBT75
				100mm	CLGBT100
				150mm	CLGBT150
				225mm	CLGBT225
				300mm	CLGBT300
				450mm	CLGBT450
				600mm	CLGBT600
Cable Tray Tee HDG	Nom. Size	Code:			
	300mm	CLCTT300G			

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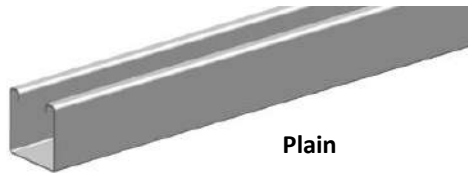
Channel Section - 1000 Series		
Code	Description	Length (M)
C1001GP	41x41 - HDG Back on Back - Plain	6
C100GP3	41x41x2.5 - HDG Channel Strut - Plain	3
C100GP6	41x41x2.5 - HDG Channel Strut - Plain	6
C100GS3	41x41x2.5 - HDG Channel Strut - Slotted	3
C100GS6	41x41x2.5 - HDG Channel Strut - Slotted	6
C100P3	41x41x2.5 - Pre-Gal Channel Strut - Plain	3
C100P6	41x41x2.5 - Pre-Gal Channel Strut - Plain	6
C100S3	41x41x2.5 - Pre-Gal Channel Strut - Slotted	3
C100S6	41x41x2.5 - Pre-Gal Channel Strut - Slotted	6
C100SS316	41x41x2.5 - S/Steel Channel Strut - Plain	6
C100TSS316	41x41x2.5 - Pre-Gal Channel Strut - Slotted	6



Slotted



Back on Back

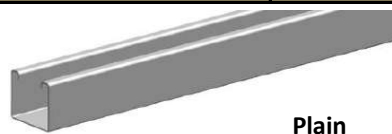


Plain

Channel Section - 2000 Series		
Code	Description	Length (M)
C200P6	41x41x1.5 - Pre-Gal Channel Strut - Plain	6
C200S3	41x41x1.5 - Pre-Gal Channel Strut - Slotted	3
C200S6	41x41x1.5 - Pre-Gal Channel Strut - Slotted	6



Slotted



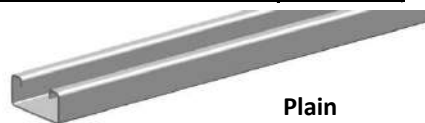
Plain

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Channel Section - 3000 Series		
Code	Description	Length (M)
C330GP6	41x21x2.5 - HDG Channel Strut - Plain	6
C330GS3	41x21x2.5 - HDG Channel Strut - Slotted	3
C330GS6	41x21x2.5 - HDG Channel Strut - Slotted	6
C330SS316	41x21x2.5 - S/Steel Channel Strut - Slotted	3
C330TSS316	41x21x2.5 - S/Steel Channel Strut - Slotted	6



Slotted

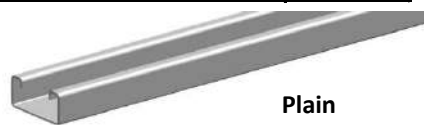


Plain

Channel Section - 4000 Series		
Code	Description	Length (M)
C400S6	41x21x1.6 - HDG Channel Strut - Slotted	6
C400P6	41x21x1.6 - Pre-Gal Channel Strut - Plain	6
C400S3	41x21x1.6 - Pre-Gal Channel Strut - Slotted	3
C400S6	41x21x1.6 - Pre-Gal Channel Strut - Slotted	6



Slotted



Plain

Channel Section - 5000 Series		
Code	Description	Length (M)
C500GP6	62x41x2.5 - HDG Channel Strut - Plain	6
C500GS6	62x41x2.5 - HDG Channel Strut - Slotted	6
C500P6	62x41x2.5 - Pre-Gal Channel Strut - Plain	6
C500S6	62x41x2.5 - Pre-Gal Channel Strut - Slotted	6
C5001GP6	41x123x2.5 - HDG Back on Back - Plain	6



Slotted

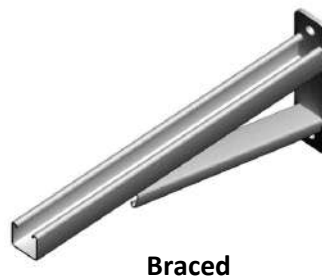
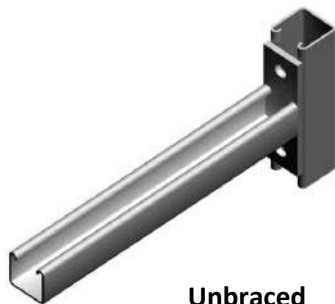


Plain

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Unbraced Cantilever Bracket		
Code	Description	Size (mm)
CA0150	150mm Unbraced Cantilever Brkt - HDG	150
CA0300	300mm Unbraced Cantilever Brkt - HDG	300
CA0450	450mm Unbraced Cantilever Brkt - HDG	450
CA0600	600mm Unbraced Cantilever Brkt - HDG	600
CA0750	750mm Unbraced Cantilever Brkt - HDG	750
CA0900	900mm Unbraced Cantilever Brkt - HDG	900
CA0150S	150mm Unbraced Cantilever Brkt - S/Steel	150
CA0300S	300mm Unbraced Cantilever Brkt - S/Steel	300
CA0450S	450mm Unbraced Cantilever Brkt - S/Steel	450
CA0600S	600mm Unbraced Cantilever Brkt - S/Steel	600
CA0750S	750mm Unbraced Cantilever Brkt - S/Steel	750
CA0900S	900mm Unbraced Cantilever Brkt - S/Steel	900

Braced Cantilever Bracket		
Code	Description	Size (mm)
CAB320	320mm Braced Cantilever Brkt - HDG	320
CAB470	470mm Braced Cantilever Brkt - HDG	470
CAB635	635mm Braced Cantilever Brkt - HDG	635
CAB780	780mm Braced Cantilever Brkt - HDG	780
CAB935	935mm Braced Cantilever Brkt - HDG	935
CAB320S	320mm Braced Cantilever Brkt - S/Steel	320
CAB470S	470mm Braced Cantilever Brkt - S/Steel	470
CAB635S	635mm Braced Cantilever Brkt - S/Steel	635
CAB780S	780mm Braced Cantilever Brkt - S/Steel	780



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Back to Back Cantilever Bracket		
Code	Description	Size (mm)
CABB300	300mm Back to Back Cantilever Brkt	150
CABB450	450mm Back to Back Cantilever Brkt	300
CABB600	600mm Back to Back Cantilever Brkt	450
CABB750	750mm Back to Back Cantilever Brkt	600
CABB900	900mm Back to Back Cantilever Brkt	750

Combination Cantilever Bracket		
Code	Description	Size (mm)
CABM121	121mm Combination Cantilever Brkt - HDG	121
CABM206	206mm Combination Cantilever Brkt - HDG	206
CABM121S	121mm Combination Cantilever Brkt - S/Steel	121
CABM206S	206mm Combination Cantilever Brkt - S/Steel	206

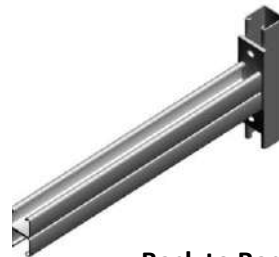
Slotted Angle		
Code	Description	Length (M)
CASLT25	25x25x2.5mm Slotted Angle (8x14 Hole)	3
CASLT30	30x30x2.5mm Slotted Angle (11x18 Hole)	3
CASLT30G	30x30x2.5mm HDG Slotted Angle (11x18 Hole)	3
CASLT50	50x50x2.5mm Slotted Angle (14x30 Hole)	3
CASLT50G	50x50x2.5mm HDG Slotted Angle (14x30 Hole)	3



**Slotted
Angle**



Combination



Back to Back

Mechanical & Industrial Services



Cantilever Assembly Packs for Airconditioning Mounting	
CABASS1	Pack Includes
	4 x M10 Bolts, 4 x M10 Nuts, 4 x M10 Washers, 2 x Grey End CAPS
CABASS2	Pack Includes
	4 x M10 Bolts, 4 x M10 Nuts, 4 x M10 Washers, 2 x Grey End CAPS, 4 x 50mm Square Rubber Pads



Short Spring

Channel Nuts - Hot Dipped Galvanised					
Details	Size	Short Spring	Long Spring	Plain	Qty Pkt
		Code	Code	Code	
M6 Spring Nut	6	CNUT6SG	CNUT6LG	CNUT6NG	100
M8 Spring Nut	8	CNUT8SG	CNUT8LG	CNUT8NG	100
M10 Spring Nut	10	CNUT10SG	CNUT10LG	CNUT10NG	100
M12 Spring Nut	12	CNUT12SG	CNUT12LG	CNUT12NG	100
M16 Spring Nut	16			CNUT16NG	100



Long Spring

Channel Nuts - Zinc Plated					
Details	Size	Short Spring	Long Spring	Plain	Qty Pkt
		Code	Code	Code	
M6 Spring Nut	6	CNUT6ST	CNUT6LZ	CNUT6NZ	100
M8 Spring Nut	8	CNUT8ST	CNUT8LZ	CNUT8NZ	100
M10 Spring Nut	10	CNUT10ST	CNUT10LZ	CNUT10NZ	100
M12 Spring Nut	12	CNUT12ST	CNUT12LZ	CNUT12NZ	100
M16 Spring Nut	16			CNUT16NZ	100



Plain Spring
(No Spring)

Channel Nuts - Stainless Steel					
Details	Size	Short Spring	Long Spring	Plain	Qty Pkt
		Code	Code	Code	
M6 Spring Nut	6	CNUT6SS	CNUT6LSS	CNUT6PS	100
M8 Spring Nut	8	CNUT8SS	CNUT8LSS	CNUT8PS	100
M10 Spring Nut	10	CNUT10SS	CNUT10LS	CNUT10PS	100
M12 Spring Nut	12	CNUT12SS	CNUT12LSS	CNUT12PS	100

Mechanical & Industrial Services

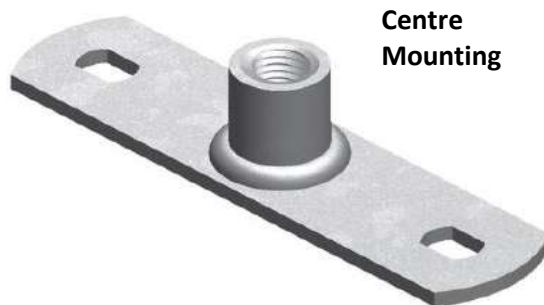
Self Drilling Threaded Rod Hangers	Details	Code	Qty Pkt
    	Concrete Vertigo 6mm (6.5mm x 32mm)	VVCH06	100
	Concrete Vertigo 10mm (6.5mm x 38mm)	VVCH10	100
	Steel Vertigo 6mm	VVSH06	100
	Steel Vertigo 8mm With Nuts	VVSH08	100
	Steel Vertigo 10mm With Nuts	VVSH10	100
	Steel Vertigo (Side) 6mm	VSSH06	100
	Steel Vertigo (Side) 8mm With Nuts	VSSH08	100
	Steel Vertigo (Side) 10mm With Nuts	VSSH10	100
	Steel Vertigo (Side) 12mm With Nuts	VSSH12	100
	Wood Vertigo 6mm (1/4 x 50 Type 17)	VVWH06	100
	Wood Vertigo 8mm (1/4 x 50 Type 17)	VVWH08	100
	Wood Vertigo 10mm (1/4 x 25 Type 17)	VVWH10	100
	Wood Vertigo 10mm x 50mm	VVWH1050	100
	Wood Vertigo (Side) M10 (1/4 x 50 T17)	VSWH10	100
	Universal (Metal/Wood) Socket (Red)	VUSOCK	100

Purlin Clips	Details	Code	Qty
D Shaped Purlin Hanger  Lipped Purlin Hanger  Golden Nut Punched Purlin 	M10 Lipped Purlin Hanger	PUR10	100
	M12 Lipped Purlin Hanger	PUR12	100
	M10 D Type Purlin Clip	PURD10	100
	M12 D Type Purlin Clip	PURD12	100
	M10 D Shape Zn Purlin Hanger	DYPURLIN10Z	100
	M8 Golden Nut Punched Purlin Hanger	PYC08Z-NPG	100
	M10 Golden Nut Punched Purlin Hanger	PYC10Z-NPG	100
	M12 Golden Nut Punched Purlin Hanger	PYC12Z-NPG	100

Wedge Nuts	Details	Code	Qty
	M8 Zn Wedge Nut	WNUTM8	100
	M10 Zn Wedge Nut	WNUTM10	100
	M12 Zn Wedge Nut	WNUTM12	100

Mechanical & Industrial Services

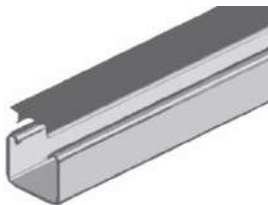
Mounting Plates	Details	Code	Qty
 Vertical Mounting	M10 Zn Vertical Mounting Plate	MP10V	100
	M12 Zn Vertical Mounting Plate	MP12V	100
	M10 Zn Centre Mounting Plate	MP10C	100
	M12 Zn Centre Mounting Plate	MP12C	100
	M10 Zn Horizontal Mounting Plate	MP10H	100
	M12 Zn Horizontal Mounting Plate	MP12H	100
	M10 HDG Vertical Mounting Plate	MP10VG	100
	M12 HDG Vertical Mounting Plate	MP12VG	100
	M10 HDG Centre Mounting Plate	MP10CG	100
	M12 HDG Centre Mounting Plate	MP12CG	100
	M10 HDG Horizontal Mounting Plate	MP10HG	100
	M12 HDG Horizontal Mounting Plate	MP12HG	100
	M10 S/Steel Vertical Mounting Plate	MP10VS	100
	M12 S/Steel Vertical Mounting Plate	MP12VS	100
	M10 S/Steel Centre Mounting Plate	MP10CS	100
	M12 S/Steel Centre Mounting Plate	MP12CS	100
	M10 S/Steel Horizontal Mounting Plate	MP10HS	100
	M12 S/Steel Horizontal Mounting Plate	MP12HS	100



Twist Clips	Details	Code	Qty
	25mm Twist Clip	TWIST134	100
	32mm Twist Clip	TWIST168	100
	40mm Twist Clip	TWIST200	100
	50mm Twist Clip	TWIST237	100
	65mm Twist Clip	TWIST300	100
	80mm Twist Clip	TWIST350	100

Mechanical & Industrial Services

Beam Clamps	Details	Code	Qty
	M10 - Clamping Beam Clamp	BEAMC	1
	M10 Zn Beam Clamp	BEAMHM10	1
	M12 Zn Beam Clamp	BEAMHM12	1
	M10 HDG Beam Clamp	BEAMHM10G	1
	M12 HDG Beam Clamp	BEAMHM12G	1

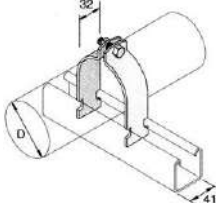


Closure Strips		
Details	Code	Qty
Grey Plastic Closure Strip x 3 Mtrs	INSCLSR	1
White Plastic Closure Strip x 3 Mtrs	INSCLSRW	1

Rubber Insulation	Other Thicknesses are Also Available
INSRUB	



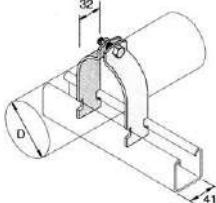
Mechanical & Industrial Services

CHANNEL CLIPS	Actual	Powder Coated	Galvanised	Hot Dipped Gal.	Stainless Steel	Qty
	Size	Code	Code	Code	Code	Pkt
	10.7	CH0107P	CH0107	CH0107G		100
	12.7	CH0127P	CH0127	CH0127G	CH0127S	100
	14			CH0140G		
	16		CH01588			100
	17.1	CH0171P	CH0171	CH0171G		100
	19.1	CH0191P	CH0191	CH0191G	CH0191S	100
	21		CH0214		CH0210S	100
	21.3		CH0213	CH0213G		100
	22		CH0220	CH0220G	CH0220S	100
	24	CH0240P	CH0240	CH0240G		100
	25.4	CH0254P	CH0254	CH0254G	CH0254S	100
	27		CH0270	CH0270G	CH0270S	100
	29.8	CH0298P	CH0298	CH0298G	CH0298S	100
	31.8	CH0318P	CH0318	CH0318G	CH0318S	100
	34.1	CH0341P	CH0341	CH0341G	CH0341S	100
	38.1	CH0381P	CH0381	CH0381G	CH0381S	100
	40	CH0400P	CH0400	CH0400G	CH0400S	100
	42.8	CH0430P	CH0430	CH0430G	CH0430S	100
	46.4	CH0464P	CH0464	CH0464G		50
	48.4	CH0484P	CH0484	CH0484G	CH0484S	50
	50.8	CH0508P	CH0508	CH0508G	CH0508S	50
	57.1	CH0571P	CH0571	CH0571G		50
	60.3	CH0603P	CH0603		CH0603S	50
	63.5	CH0635P	CH0635	CH0635G	CH0635S	50
	67		CH0670		CH0670S	50
	69.8	CH0700P	CH0700	CH0700G	CH0700S	50
	73		CH0730	CH0730G	CH0730S	50
	76.2	CH0762P	CH0762	CH0762G	CH0762S	50
	79		CH0790	CH0790G		50
	82.5	CH0825P	CH0825	CH0825G	CH0825S	50
	86		CH0860	CH0860G		50

**Indicates Goods With
Limited Stock Supplies*

*All Powder Coated
Sizes Are Made to Order*

Mechanical & Industrial Services

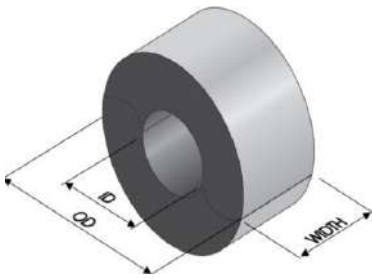
CHANNEL CLIPS	Actual Size	Powder Coated Code	Galvanised Code	Hot Dipped Gal. Code	Stainless Steel Code	Qty Pkt
	88.9	CH0889P	CH0889	CH0889G	CH0889S	50
	98		CH0980	CH0980G		50
	101.6	CH1016P	CH1016	CH1016G	CH1016S	25
	102			CH1020G	CH1020S	25
	111.1	CH1111P	CH1111	CH1111G	CH1111S	25
	114.3	CH1143P	CH1143	CH1143G	CH1143S	25
	127	CH1270P	CH1270	CH1270G	CH1270S	1
	133			CH1320G		1
	140	CH1400P	CH1400	CH1400G	CH1400S	1
	152.4	CH1524P	CH1524	CH1524G	CH1524S	1
	162		CH1620	CH1620G	CH1620S	1
	165	CH1650P	CH1650	CH1650G	CH1650S	1
	168	CH1681P	CH1681	CH1681G	CH1681S	1
	178	CH1780P	CH1780	CH1780G	CH1780S	1
	203	CH2300P	CH2300	CH2300G	CH2300S	1
	219		CH2190	CH2190G	CH2190S	1
	225		CH2250	CH2250G	CH2250S	1
	228		CH2280	CH2280G		1
	250	CH2500P	CH2500	CH2500G	CH2500S	1
	275		CH2750	CH2750G		1
	283		CH2830			1
	303	CH3030P	CH3030	CH3030G	CH3030S	1
	315		CH3150	CH3150G	CH3150S	1
	355		CH3550			1
	375		CH3750		CH3750S	1
	400		CH4000		CH4000S	1

**Indicates Goods With
Limited Stock Supplies*

*All Powder Coated
Sizes Are Made to Order*

Mechanical & Industrial Services

Ferrule Blocks - 25mm Wall Thickness	25mm Wall FERRULE BLOCKS			
	ID	OD	Code	Qty Pkt
	6	57	FER006-57	1
	9	60	FER009-60	1
	13	63	FER013-63	1
	16	67	FER016-67	1
	20	70	FER020-70	1
	22	73	FER022-73	1
	25	76	FER025-76	1
	27	76	FER027-76	1
	32	83	FER032-83	1
	34	83	FER034-83	1
	38	89	FER038-89	1
	42	89	FER042-89	1
	48.00	98	FER048-98	1
	51.00	102	FER051-102	1
	54.00	102	FER054-102	1
	60.00	110	FER060-110	1
	64.00	114	FER064-114	1
	67.00	114	FER067-114	1
	76	127	FER076-127	1
	89	140	FER089-140	1
	102	152	FER102-152	1
	115	165	FER115-165	1
	127	178	FER127-178	1
	140	203	FER140-203	1
	154	203	FER154-203	1
	168	220	FER168-220	1
	203	250	FER204-250	1
	219	275	FER219-275	1



*Indicates sizes that require specifically sized manufactured channel clips

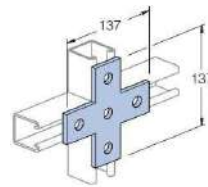
Mechanical & Industrial Services

**Square
Washer**



Hot Dipped Galvanised		
Code	Hold Dia	Alt Code
SY1062H	M8	P1062H
SY1063H	M10	P1063H
SX001	M12	P1064H
SY1964H	M16	P1964H
Stainless Steel		
SY1062S	M8	P1062S
SX001S	M10	P1063S
SY1064S	M12	P1064S
SY1964S	M16	P1964S

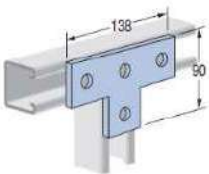
**Cross Flat Plate
Fitting**



Hot Dipped Galvanised	
Code	Alt Code
SY1028H	P1028H

Details		
Length	Height	Holes
138	138	5

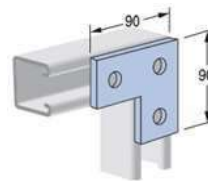
T Flat Plate Fitting



Hot Dipped Galvanised	
Code	Alt Code
SX012	P1031H
Stainless Steel	
SY1031S	P1031S

Details		
Length	Height	Holes
138	90	4

L Flat Plate



Hot Dipped Galvanised	
Code	Alt Code
SX011	P1036H
Stainless Steel	
SY1036S	P1036S

Details		
Length	Height	Holes
90	90	3

Flate Plate Fitting



Hot Dipped Galvanised	
Code	Alt Code
SX002	P1065H
Stainless Steel	
SY1065S	P1065S

Details		
Length	Height	Holes
90	40	2

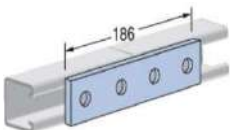
**Flate Plate
Fitting**



Hot Dipped Galvanised	
Code	Alt Code
SX003	P1066H
Stainless Steel	
SY1066S	P1066S

Details		
Length	Height	Holes
138	40	3

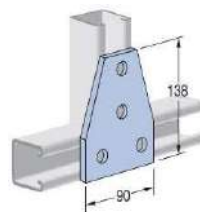
Flate Plate Fitting



Hot Dipped Galvanised	
Code	Alt Code
SX004	P1067H
Stainless Steel	
SY1067S	P1067S

Details		
Length	Height	Holes
186	40	4

**Flate Plate
Fitting**

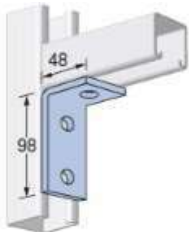


Hot Dipped Galvanised	
Code	Alt Code
SX028	P1358H
Stainless Steel	
SY1358S	P1358S

Details		
Length	Height	Holes
90	138	4

Mechanical & Industrial Services

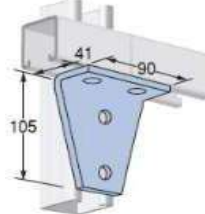
**Angle Fitting
90 Degrees**



Hot Dipped Galvanised	
Code	Alt Code
SX015	P1346H
Stainless Steel	
SY1346S	P1346S

Details
48 x 98 x 6 3 Holes

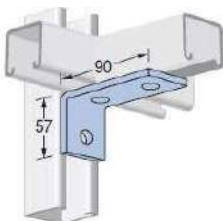
Angle Fitting



Hot Dipped Galvanised	
Code	Alt Code
SX031	P1359H
Stainless Steel	
SY1359S	P1359S

Details
41 x 90 x 105 x 6 4 Holes

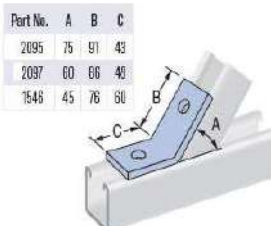
**Angle Fitting
90 Degrees**



Hot Dipped Galvanised	
Code	Alt Code
SY1458H	P1458H
Stainless Steel	
SY1458S	P1458S

Details
90 x 57 x 6 3 Holes

**45 Degree
Angle Plate**



Hot Dipped Galvanised	
Code	Alt Code
SX019	P1546H
Stainless Steel	
SY1546S	P1546S

Details
76 x 60 x 6 2 Holes

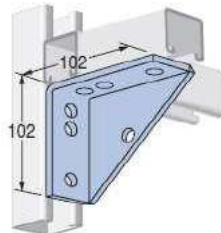
**45 Degree
Angle Brace**



Hot Dipped Galvanised	
Code	Alt Code
SY2452H	P2452H
Stainless Steel	
SY2452S	P2452S

Details
346 x 346 x 422 2 Holes

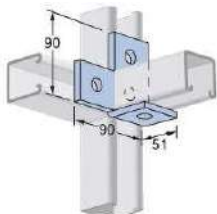
**L Plated
Braced**



Hot Dipped Galvanised	
Code	Alt Code
SX009	P2484H
Stainless Steel	
SY2484S	P2484S

Details
102 x 102 x 6 6 Holes

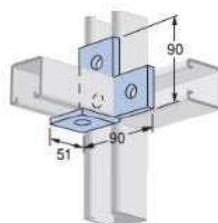
**LH Angle
Plate**



Hot Dipped Galvanised	
Code	Alt Code
SX030	P1034H

Details
40 x 90 x 90 x 51 x 6 4 Holes

**RH Angle
Plate**



Hot Dipped Galvanised	
Code	Alt Code
SX029	P1035H

Details
40 x 90 x 90 x 51 x 6 4 Holes

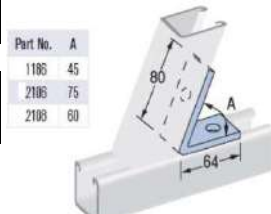
**Flat Angle
Plate**



Hot Dipped Galvanised	
Code	Alt Code
SY1038H	P1038H

Details
40 x 51 x 90 x 6 3 Holes

**45 Degree
Angle Plate**

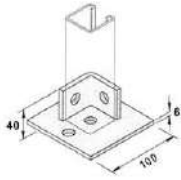


Hot Dipped Galvanised	
Code	Alt Code
SY1186H	P1186H

Details
40 x 63 x 80 x 6 2 Holes

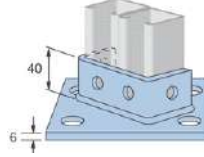
Mechanical & Industrial Services

Base Plate



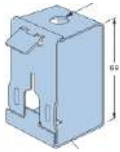
Hot Dipped Galvanised		Qty
Code		Pkt
SX008		100
Details		
Width	Length	Thickness
40	126	5

4 Hole Post Base



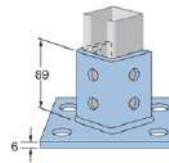
Hot Dipped Galvanised		Qty Pkt
Code		
SX021		1
Details		
Width	Length	Thickness
40	137	6

Electrical Hanger Fitting



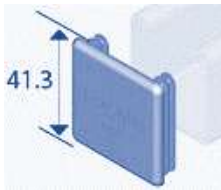
Hot Dipped Galvanised		Qty Pkt
Code		
SX022		1
Details		
Width	Length	Thickness
40	69	6

Double Base Plate



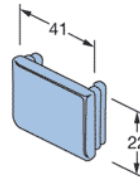
Hot Dipped Galvanised		Qty Pkt
Code		
SX017		1
Details		
Width	Length	Thickness
40	89	6

41 x 41 Plastic End



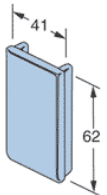
For C1000/C2000 Series		Qty Pkt
Code		
END4141		1
Details		
Width	Length	Thickness
41	41	2

21 x 41 Plastic End



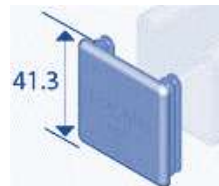
For C3000/C4000 Series		Qty Pkt
Code		
END2141		1
Details		
Width	Length	Thickness
21	41	2

62 x 41 Plastic End



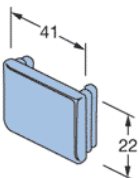
For C5000 Series		Qty
Code		Pkt
END5041		1
Details		
Width	Length	Thickness
62	41	2

**41 x 41 Plastic End
White**



For C1000/C2000 Series		Qty
Code		Pkt
END4141W		1
Details		
Width	Length	Thickness
41	41	2

**21 x 41 Plastic End
White**



For C3000/C4000 Series		Qty Pkt
Code		
END2141W		1
Details		
Width	Length	Thickness
21	41	2

Timber Screws

Self-Drilling Screws are suitable for fixing into timber and thin steel thicknesses of up to 0.6mm

Selection Guide

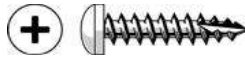
Wafer Head

Suitable for jobs needing a low profile head, e.g. metal deck clips, electrical fittings, signs etc



Pan Head

Suitable for general fixing to Timber, e.g. brackets, fittings, etc



Countersunk Head

Suitable for jobs requiring a flush, finish, e.g. furniture, hinges, brackets, etc



Countersunk Rib Head

Suitable for jobs requiring a flush finish, e.g. furniture, flooring, etc



Bugle Head Batten

Rafters or fastening heavy timbers where a flush finish is required, e.g. fencing, furniture, pergolas, broadwalks, etc



Hexagon Head With Seal

Suitable for crest fixing roofing profiles to timbers battens and valley fixing wall cladding



Hexagon Head - No Seal



Plasterboard Screws

Self Drilling Plasterboard Screws feature a bugle shaped head which countersinks neatly into plasterboard without crushing the core, or tearing the face paper. Available in a zinc-plated finish.

Selection Guide

Bugle Head (Needle Point)

For general fixing to timber and thin steel up to 0.6mm thick, e.g. walls and ceilings, partitions, etc



Bugle Head (Metal Drill Point)

For fixing plasterboard to steel from 0.8mm to 2.5mm thickness



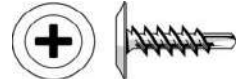
Metal Screws

Self-Drilling Metal Screws have a hardened drill point and thread in structural and mild steel. These metal drill points are designed in a manner much the same as a high speed drill bit.

Selection Guide

Wafer Head

Suitable for jobs needing a low profile head, e.g. metal deck clips, electrical fittings, signs, sheet metal, etc



Bugle Head

For fixing of plasterboard to metal



Button Head

Suitable for jobs needing a board flat head, e.g. foil sarking and insulation panels, fascia bracket clips to rafters, conduit clips to steel, etc



Countersunk Head

Suitable for jobs needing a flush finish, e.g. fencing, gates, hinges, etc



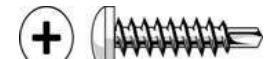
Countersunk Rib Head

Suitable for fixing pre-drilled board, e.g. panelling, lining board, etc



Pan Head

Suitable for general fixings, e.g. brackets, fixings, etc



Self Embedding Head

Suitable for general fixings to metal, e.g. lining boards, fascias, panelling, etc



Hexagon Head With Seal

Suitable for fixing roofing profiles and wall cladding to steel purlins



Hexagon Head - No Seal

Suitable for fixing metal e.g. fences, signs, fixings, trailers, etc



Chipboard Screws

Zenith® self-drilling Chipboard screws have a coarse thread and fine shank to provide maximum grip and minimum stripout into chipboard, MDF board and soft timbers.

Selection Guide



Countersunk Rib Head

Suitable for general fixing of chipboard, e.g., cabinets, furniture, kitchens, office partitioning etc. Available in 8 and 10 gauge. Lengths from 20mm to 100mm.

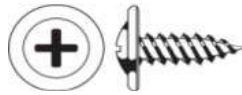
Multi-Use Screws

Bulldex® Multi-Use Screws are all-purpose self-drilling screws for general fixing around the home, into timber and thin metal. Available in a zinc-plated finish.

Selection Guide

Button Head

Suitable for jobs where a broad, flat head is needed, e.g. shade cloth, foil insulation, wire mesh, clips, etc



Pan Head

For general fixings, e.g., spotlights, doors, security alarms, light switches, wall phones, etc.



Bugle Head - Needle Point

Recommended for all general fixing into timber and light gauge metal, for applications where a countersunk head is required



Countersunk Head

For attaching hinges



Sleeve Anchors

The Sleeve Anchor is a general purpose medium duty anchor for fixing to concrete, masonry, solid and hollow brick and natural stone. The Sleeve Anchor is manufactured using carbon steel or 316 stainless steel.

Selection Guide

Hex Head



Wall Plugs

Plastic Wall Plug is a colour coded, light weight, low cost fixing combined with screws for fixing into solid masonry and is easy to install.



Selection Guide

White Wall Plug

Red Wall Plug

Green Wall Plug

Blue Wall Plug

Screw Gauge = 4 - 6

Screw Gauge = 8 - 9

Screw Gauge = 10 - 12

Screw Gauge = 14 - 16

Shuredrive

Shuredrive is an all metal nail expanding anchor for masonry and concrete



Hollow Wall Anchor

Hollow Wall Anchors are all metal, pre-assembled fasteners for use in cavity walls. Suitable for light weight fixing to thin board or plasterboard

Wallmates

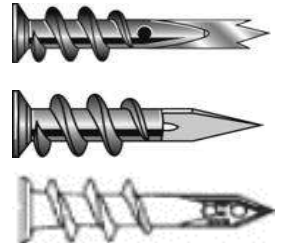
Wallmates are self drilling plasterboard anchors, available in zinc or nylon and are suitable for attaching light weight fittings to hollow wall materials such as plasterboard, thin wall panelling and ceiling boards. It is ideal for hanging items such as paintings, picture frames, light weight brackets and fittings.

Selection Guide

Zinc Wallmate

Nylon Wallmate

Nylon Wallmate (mini)



Nylon Anchors

Nylon Anchors are a light duty nail expanding anchor for solid masonry and hollow wall constructions. The design of the expansion nail used in the Nylon Anchor is such that it can be removed if need be

Selection Guide

Round Head

Countersunk Head



Bolts & Thread Rod

Selection Guide

Hex Round Bolt

Hexagon head bolts & nuts hold and join building materials used in framing structures. Typical applications include fixing metal to metal or metal to timber, e.g., heavy metal frames, metal posts, brackets, post supports, etc.



Cup Head Bolt

Cup head bolts & nuts hold and join building materials used in framing. Typical applications include fixing timber to timber, or timber to metal, e.g., heavy timber frames, pergolas, fencing, etc.



Coach Screw

For fixing to timber, Coach Screws are designed to form their own thread in pre-drilled holes. They have a Gimlet point for fast, easy penetration.



Threaded Rod

Threaded rod can be used in a variety of fixing applications.





M-FLEX FR

Pipe Insulation Technical Guide

**FIRE RATED
NITRILE RUBBER
THERMAL
INSULATION**



Foreword

The evolution of closed cell elastomeric foam, first developed in the early 1900s, has had a dramatic impact on the insulation industry. The most notable reason for this is its high moisture resistance, the result of its cellular structure - millions of tiny barriers that resist the migration of liquid. This characteristic not only minimizes the threats associated with moisture (such as mold), but it also ensures steady, long-term thermal performance. Liquid has a high heat transference capability; hence, wet insulation provides very little insulation at all. Closed cell elastomeric foam has strong water vapor permeability to resist moisture absorption, so neither its performance nor its durability is impaired by the presence of moisture in a heating, ventilating, and air-conditioning (HVAC), plumbing, or refrigeration system.



Thermal Conductivity

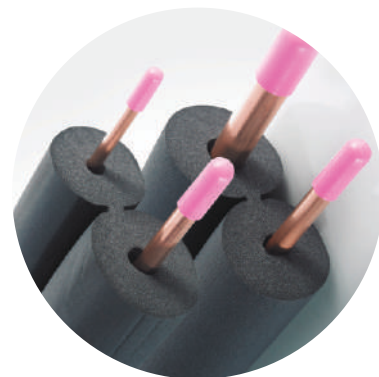
Thermal conductivity value is the most important physical feature of insulation materials, which represents the thermal conductivity ability of materials when heating is stable. Different materials have different values. The lower thermal conductivity value, the better insulation performance. Mflex products can reach the value as low as 0.032W/mk.

Water Vapor Transmission

Water vapor transmission represents the ability of resisting permeation of water vapor. The higher value of water vapor transmission, the less chance for them passing through the material. Thus, it can provide the stability of thermal conductivity value in a long time, prolong the using life of insulation materials. The water vapor transmission of Mflex reaches as high as 10,000.

Closed Cell Structure

The closed-cell foam structure of Mflex prevents moisture from wicking or transferring from the surface of the insulation to the surface of the pipe or duct. This means that water won't be trapped next to the metal, causing corrosion and eventual damage to the system. Because of its non-permeable, closed-cell foam structure, no additional vapor retarder is required to protect Mflex insulation, saving the installer time and cladding material cost. Unlike fibrous insulation, which loses R-value and must be replaced when it becomes wet, Mflex performance stays the same, regardless of surface punctures or exposure to moisture.



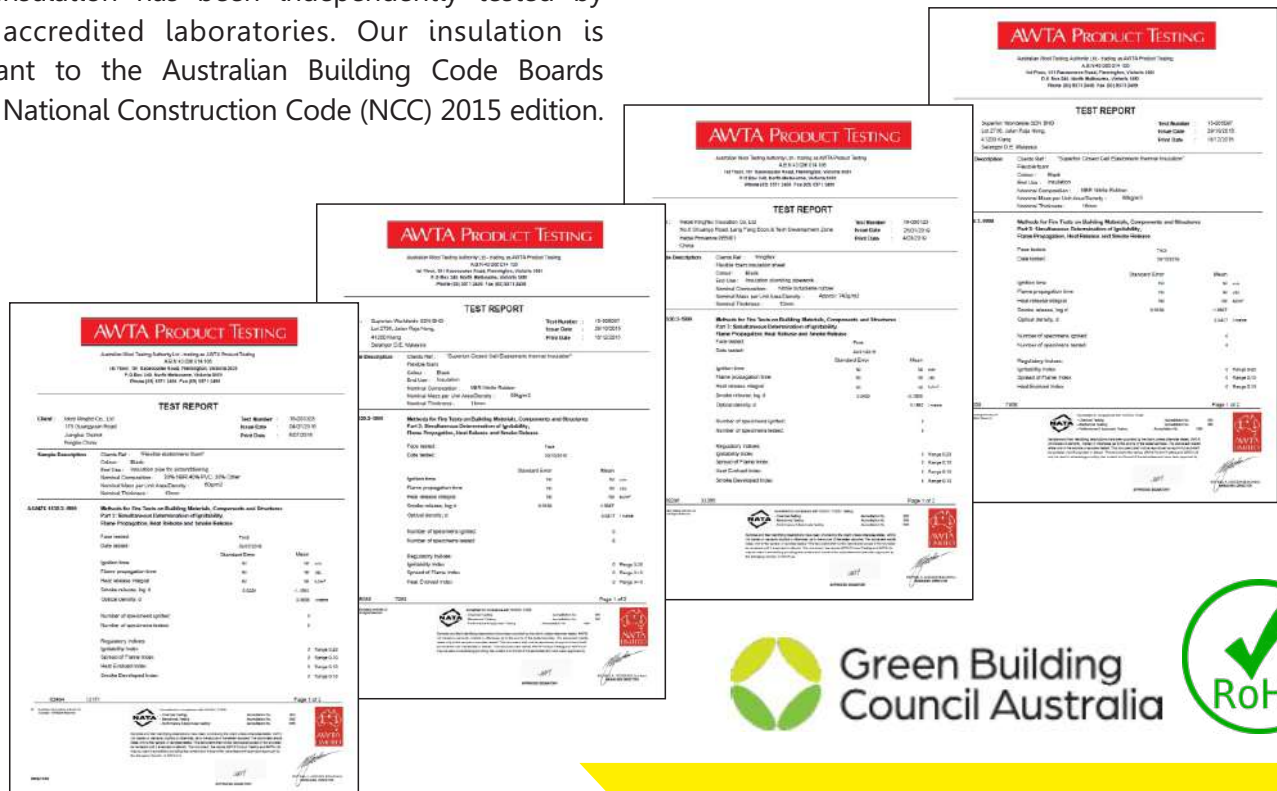
TECHNICAL SPECIFICATIONS

Mflex Insulation conforms to the requirements of the Building Code of Australia (Vol) 1, of the National Construction Code (NCC) 2015. Mflex Insulation is a closed cell extruded nitrile based rubber that exhibits better thermal conductivity as the air inside the closed cells has lower mobility than that produced in open Cells.

TECHNICAL SPECIFICATION FOR MFLEX INSULATION FR		
Construction	Closed Cell	
Density	30% NRB 40%	NC 30% other
Temperature Range	-183° to 105°	
Thermal Conductivity	$\lambda = 0.40W / (m.k) @ +20^{\circ}C$ $\lambda = 0.40W / (m.k) @ 0^{\circ}C$ $\lambda = 0.40W / (m.k) @ +20^{\circ}C$	AS4859.1 EN12667 ASTMC 177
Water Vapour Diffusion Resistance Factor	$\mu \geq 10,000$	ASTME 96
Fire Performance	Class 1 – Complies with the fire hazard requirements of the Building Code of Australia	AS1530.3
Reaction to Fire	Self Extinguishing	
Environmental	Zero Ozone Depleting Potential (ODP), Low VOC	DIN ISO 16000-6
Fungal / Mold Resistance	Resistant	Anti Microbial JISZ 2801

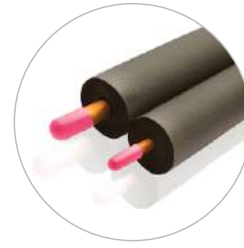
CERTIFICATION AND TESTING

Mflex Insulation has been independently tested by NATA accredited laboratories. Our insulation is compliant to the Australian Building Code Boards (ABCB) National Construction Code (NCC) 2015 edition.



Green Building
Council Australia





MFLEX FR INSULATION R-VALUES

R-value is the measure of thermal resistance used for the building and construction industry. It measures a material's ability to resist heat flow. The higher the R-value, the higher the thermal resistance and insulating effect. The Building Code of Australia and other Australian standards specify R-values to help determine what insulation material and thickness should be used. The Building Code of Australia lists the requested R-values for pipe insulation in Specification J5. The fire retardant performance of Mflex FR insulation pipe complies with AS1530.3-1999.

PIPE INSULATION								
Nominal ID Inches mm		Insulation Wall Thickness						
		3/8" 10	1/2" 13	3/4" 19	1" 25	1 1/4" 32	1 1/2" 38	2" 50
1/4"	6	0.53	0.75	1.28	1.89	-	-	-
3/8"	10	0.46	0.64	1.09	1.62	-	-	-
1/2"	13	0.43	0.60	1.03	1.50	-	-	-
5/8"	16	0.41	0.57	0.99	1.41	1.80	2.25	3.29
3/4"	19	0.39	0.54	0.93	1.34	1.71	2.14	3.13
7/8"	22	0.38	0.52	0.88	1.28	1.64	2.04	2.99
1"	25	0.37	0.51	0.86	1.24	1.58	1.97	2.88
1 1/8"	28	0.36	0.50	0.83	1.20	1.53	1.91	2.79
1 1/4"	32	0.35	0.48	0.82	1.16	1.47	1.83	2.68
1 3/8"	35	0.35	0.47	0.80	1.13	1.44	1.79	2.61
1 1/2"	38	0.34	0.47	0.76	1.08	1.41	1.75	2.55
1 5/8"	42	0.34	0.46	0.75	1.08	1.37	1.70	2.48
1 7/8"	47	0.33	0.45	0.73	0.98	1.33	1.65	2.40
2"	51	0.33	0.44	0.72	1.05	1.31	1.62	2.35
2 1/8"	54	0.33	0.44	0.71	1.02	1.29	1.60	2.31
2 3/8"	60	0.32	0.43	0.70	1.00	1.26	1.55	2.25
2 5/8"	67	0.32	0.43	0.69	0.98	1.23	1.51	2.18
2 7/8"	73	0.31	0.42	0.68	0.90	1.20	1.48	-
3"	76	0.31	0.42	0.68	0.96	1.19	1.47	-
3 1/8"	80	0.31	0.42	0.66	0.95	1.18	1.46	-
3 1/2"	89	0.31	0.41	0.65	0.93	1.16	1.42	-
4"	101	0.31	0.41	0.64	0.93	-	-	-

FLAT SHEET INSULATION		
Thickness Inches mm		R-Value
1/8"	3	0.08
1/4"	6	0.17
3/8"	10	0.28
1/2"	13	0.36
5/8"	16	0.45
3/4"	19	0.53
1"	25	0.70
1 1/4"	32	0.89
1 1/2"	38	1.06
2"	50	1.42

M-FLEX FR Insulation



9MM WALL Mflex FR		13MM WALL Mflex FR		19MM WALL Mflex FR	
Product Code	ID (mm)	Product Code	ID (mm)	Product Code	ID (mm)
TINS14	6	TFR13INS14	6	TFRINS14	6
TINS38	10	TFR13INS38	10	TFRINS38	10
TINS12	12	TFR13INS12	12	TFRINS12	13
TINS58	15	TFR13INS58	15	TFRINS58	15
TINS34	20	TFR13INS34	20	TFRINS34	20
TINS78	22	TFR13INS78	22	TFRINS78	22
TINS10	25	TFR13INS1	25	TFRINS1	25
TINS118	28	TFR13INS118	28	TFRINS118	28
TINS114	32	TFR13INS114	32	TFRINS114	32
TINS138	35	TFR13INS138	35	TFRINS138	35
TINS112	40	TFR13INS112	40	TFRINS112	40
TINS158	42	TFR13INS158	42	TFRINS158	42
TINS20	50	TFR13INS2	50	TFRINS2	50
TINS218	54	TFR13INS218	54	TFRINS218	54
TINS238	60	TFR13INS238	60	TFRINS238	60
TINS212	64	TFR13INS258	67	TFRINS258	67
TINS258	67	TFR13INS3	76	TFRINS3	76
TINS3	76	TFR13INS318	80	TFRINS318	80
TFR9INS318	80	TFR13INS312	89	TFRINS312	89
		TFR13INS378	101	TFRINS378	101
		TFR13INS412	114	TFRINS412	114



M-FLEX FR Insulation



25MM WALL	Mflex FR
Product Code	ID (mm)
TFR25INS14	6
TFR25INS38	10
TFR25INS12	12
TFR25INS58	15
TFR25INS34	20
TFR25INS78	22
TFR25INS1	25
TFR25INS118	28
TFR25INS114	32
TFR25INS138	35
TFR25INS112	40
TFR25INS158	42
TFR25INS2	50
TFR25INS218	54
TFR25INS238	60
TFR25INS212	64
TFR25INS258	67
TFR25INS3	76
TFR25INS318	80
TFR25INS312	89
TFR25INS378	101
TFR25INS412	114

32MM WALL	Mflex FR
Product Code	ID (mm)
TFR32INS38	10
TFR32INS12	12
TFR32INS58	15
TFR32INS34	20
TFR32INS78	22
TFR32INS1	25
TFR32INS118	28
TFR32INS114	32
TFR32INS138	35
TFR32INS112	40
TFR32INS158	42
TFR32INS2	50
TFR32INS218	54
TFR32INS238	60
TFR32INS258	67
TFR32INS3	76
TFR32INS318	80
TFR32INS312	89
TFR32INS378	101
TFR32INS412	114

38MM WALL	Mflex FR
Product Code	ID (mm)
TF38RINS58	15
TF38RINS34	20
TF38RINS78	22
TF38RINS1	25
TF38RINS118	28
TF38RINS114	32
TF38RINS138	35
TF38RINS112	40
TF38RINS158	42
TF38RINS2	50
TF38RINS218	54
TF38RINS238	60
TF38RINS258	67
TF38RINS3	76
TF38RINS318	80
TF38RINS312	89
TF38RINS378	101
TF38RINS412	114



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The Building Code of Australia (2005) provides a fire specification for fire testing of materials: Specification A2.4 (Fire Hazard Properties).

This requires that materials are tested under the standard AS/NZS 1530.3, and meet stringent requirements for indices of both Spread-of-Flame and Smoke-Developed.

19MM WALL (Foil)	Mflex FR
Product Code	ID (mm)
TFF19INS34	20
TFF19INS10	25
TFF19INS114	32
TFF19INS112	38
TFF19INS20	51
TFF19INS312	89

40MM WALL (Foil)	Mflex FR
Product Code	ID (mm)
TFF40INS012	12
TFF40INS34	20
TFF40INS100	25
TFF40INS118	28
TFF40INS114	32
TFF40INS138	35
TFF40INS112	38
TFF40INS158	42
TFF40INS200	51
TFF40INS218	54
TFF40INS238	60
TFF40INS250	63
TFF40INS212	64
TFF40INS258	67
TFF40INS300	76
TFF40INS312	89
TFF40INS400	102
TFF40INS600	152

25MM WALL (Foil)	Mflex FR
Product Code	ID (mm)
TFF25INS12	12
TFF25INS58	16
TFF25INS34	20
TFF25INS78	22
TFF25INS10	25
TFF25INS118	28
TFF25INS114	32
TFF25INS138	34
TFF25INS112	38
TFF25INS158	42
TFF25INS2	51
TFF25INS215	60
TFF25INS212	63
TFF25INS250	64
TFF25INS3	76
TFF25INS315	89
TFF25INS4	102

30MM WALL (Foil)	Mflex FR
Product Code	ID (mm)
TFF30INS34	20
TFF30INS78	22
TFF30INS10	25
TFF30INS118	28
TFF30INS114	32
TFF30INS138	35
TFF30INS150	38
TFF30INS158	42
TFF30INS20	51

50MM WALL (Foil)	Mflex FR
Product Code	ID (mm)
TFF50INS112	38
TFF50INS200	51
TFF50INS212	64
TFF50INS300	76
TFF50INS312	89
TFF50INS400	102
TFF50INS500	127
TFF50INS600	152
TFF50INS800	203

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N 43 006 014 106

Regulatory Indices:

Ignitability Index

Spread of Flame Index

Heat Evolved Index

Smoke Developed Index

0 Range 0-20

0 Range 0-10

0 Range 0-10

3 Range 0-10

CABLE TRAY

MEC Cable Trays Technical Guide



CABLE TRAY

FINISHES

POWDER COATED

Powder Coating is a dry finishing process created by an electric charge that causes a dry powder to fuse to the surface of the metal. This is then baked in a curing oven to achieve a smooth coating. It is usually used to create a hard finish that is tougher than conventional paint. Powder coating creates a barrier to protect against many different types of corrosion, including rust. Powder-coating creates a protective barrier so the metal remains rust-free.

GALVABOND / HOT DIPPED GALVANIZED

Hot Dip Galvanized Zinc to AZ/NZS 4680:2006 – aligned with ISO 1461:2009. After a product has finished its fabrication process, it is dipped into a bath of molten zinc. The zinc completely coats all edges and surfaces. Zinc thickness is controlled by the time the part is immersed in the molten zinc bath. Hot dip galvanized zinc products are recommended for indoor, outdoor and mildly corrosive environments.

ZINC PASSIVATED

Zinc passivation is the process of applying a protective layer to the surface of a metal, typically zinc or zinc alloys, to improve its corrosion resistance. This is achieved through the use of chemical solutions and chromate conversion coatings. These chemically react with the surface of the metal, forming a layer of zinc chromate and acting as a barrier against corrosion.

LT3 STD Laddertray Galvanised	Nom. Size	Code:
	150mm	CLSTD150
	300mm	CLSTD300
	450mm	CLSTD450
	600mm	CLSTD600

LT3 Radius Plate	Nom. Size	Code:
	-	CLSTRPG

LT3 Splice	Nom. Size	Code
	-	CLSTSG

Cable Tray	Nom. Size	Code
	75mm	CLGB75
	100mm	CLGB100
	150mm	CLGB150
	225mm	CLGB225
	300mm	CLGB300
	450mm	CLGB450
	600mm	CLGB600

LT3 Tee/Cross	Nom. Size	Code:
	-	CLSTTT

LT3 Riser Link	Nom. Size	Code:
	-	CLSTDRLG

Cable Tray Tee	Nom. Size	Code
	75mm	CLGBT75
	100mm	CLGBT100
	150mm	CLGBT150
	225mm	CLGBT225
	300mm	CLGBT300
	450mm	CLGBT450
	600mm	CLGBT600

LT3 Hold Down	Nom. Size	Code:
	-	CLSTDHGDG

Cable Tray Bend	Nom. Size	Code
	75mm	CLGBTB75
	100mm	CLGBTB100
	150mm	CLGBTB150
	225mm	CLGBTB225
	300mm	CLGBTB300
	450mm	CLGBTB450
	600mm	CLGBTB600

Splice Bolts and Nuts	Nom. Size	Code:
	-	CLSTNUTH

CABLE TRAY

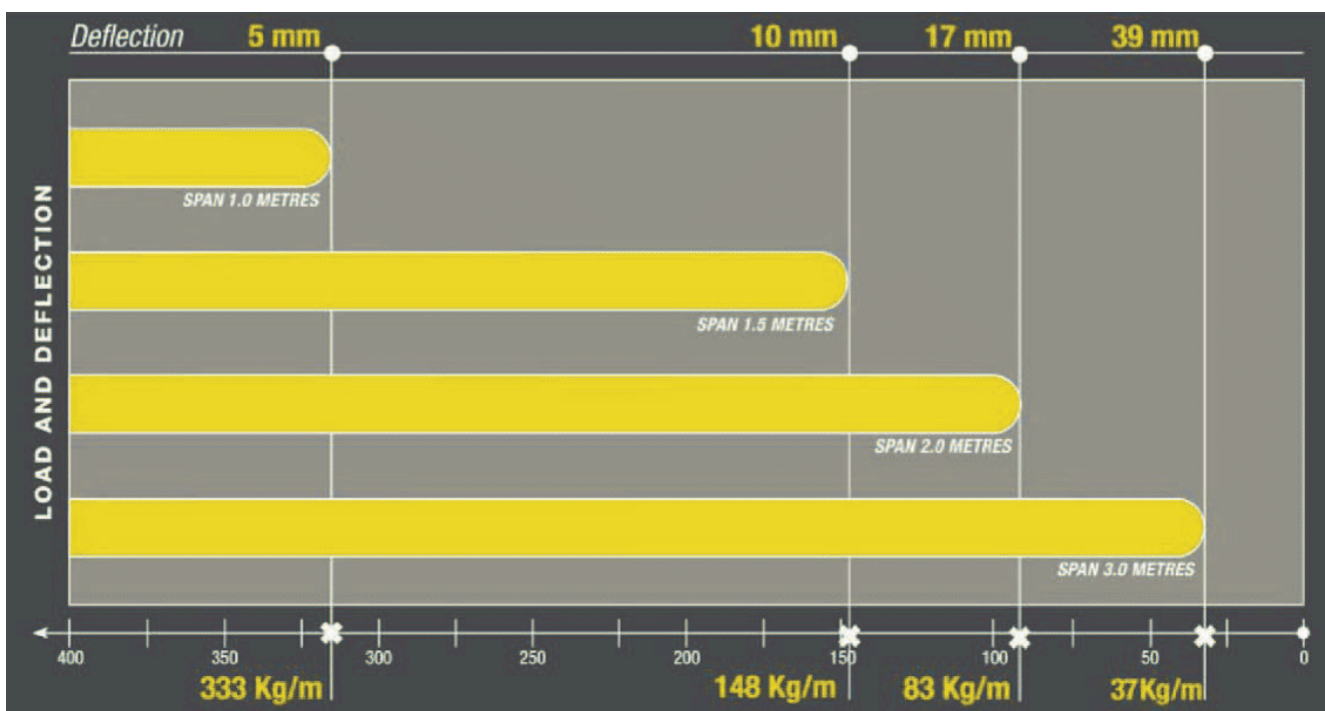
LOAD AND DEFLECTION DATA

T3 Ladder Tray System is designed for trapeze supported or surface-mounted cable management and is ideally suited to small to medium size cables such as TPS, data comms, and sub mains allowing for more tie-off points as well as tighter radius bends and risers. T1 offers full integration with our T3 Ladder Tray System, saving the installer from having to carry two ranges of accessories.

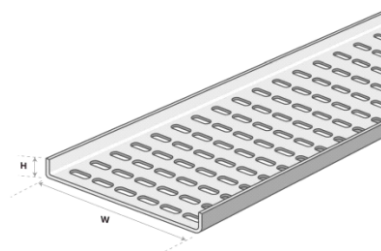
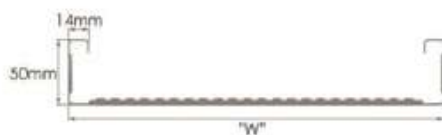
Load and Deflection data is derived from tests performed in a NATA-certified testing environment in accordance with NEMA VE1-2009 standards.

ALL Ladders exceed the class designation that has been applied to the product.

Load data is based on single spans resulting in worst-case scenarios. Deflections listed in our table are based on continuous spans. For single spans, multiply the corresponding deflection by 2.5.



LADDER TRAY PROFILE



CABLE TRAY ASSEMBLY GUIDE

90 DEG INTERNAL RISER



2 X TTX TEE & CROSS BRACKET 8 X TB TRAY BOLTS
8 X TN TRAY NUTS - PER 90DEG RISER ASSEMBLY

90 DEG EXTERNAL RISER



2 X TTX TEE & CROSS BRACKET 8 X TB TRAY BOLTS
8 X TN TRAY NUTS - PER 90DEG RISER ASSEMBLY

90 DEG RADIUS INTERNAL RISER



6 X TLP RISER LINKS 12 X TB TRAY BOLTS
12 X TN TRAY NUTS - PER 90DEG RISER ASSEMBLY

90 DEG RADIUS EXTERNAL RISER



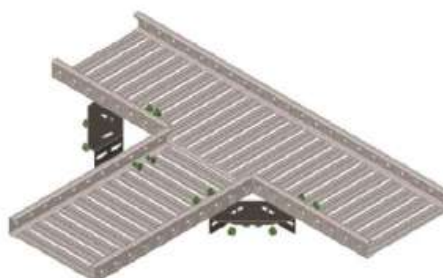
6 X TLP RISER LINKS 12 X TB TRAY BOLTS
12 X TN TRAY NUTS - PER 90DEG RISER ASSEMBLY

90 DEG RADIUS BEND



1 X TRP RADIUS PLATE 12 X TB TRAY BOLTS
12 X TN TRAY NUTS - PER 90DEG BEND TRP RADIUS PLATE WILL
COVER 2 BENDS IN 150MM & 300MM WIDTHS

TEE SECTION



2 X TTX TEE & CROSS BRACKET 8 X TB TRAY BOLTS
8 X TN TRAY NUTS - PER TEE, DOUBLE FOR CROSS SECTION

MEC STRUT

C Channel Steel Strut Technical Guide



MEC STRUT

C Channel Steel Strut

FINISHES

PRE-GALVANIZED ZINC

Pre-galvanized Zinc (PG) EN 10142/10147 / ASTM A653/A653M Pre-galvanized zinc is produced by continuously rolling steel coils or sheets through molten zinc at the mills. The coils or sheets are slit to size and fabricated by forming, shearing or punching to produce the finished product. During fabrication cut edges are not generally zinc coated; however, the zinc near the uncoated metal becomes a sacrificial anode to protect the bare areas. Pre-galvanized zinc products are generally recommended for indoor use on mildly corrosive environments.

HOT DIPPED GALVANIZED

Hot Dip Galvanized Zinc to AZ/NZS 4680:2006 – aligned with ISO 1461:2009. After a product has finished its fabrication process, it is dipped into a bath of molten zinc. The zinc completely coats all edges and surfaces. Zinc thickness is controlled by the time the part is immersed in the molten zinc bath. Hot dip galvanized zinc products are recommended for indoor, outdoor and mildly corrosive environments.

FIRE CERTIFICATES

Regarding AS 1530.3 Methods for fire tests on building materials, components and structures the strut would comply to a 0 , 0 , 0 fire rating due to its properties.

No Fire test have been carried out based on AS 1530.4



Dale Richardson
Mechanical Engineering (Bsc. Mech)
Marcliff Engineering Co. Pty Ltd

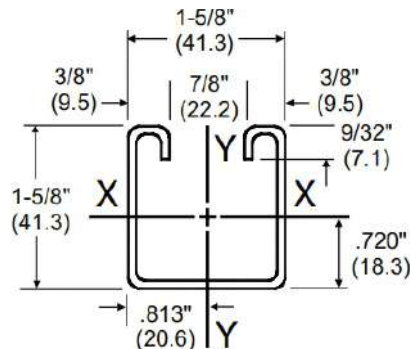
DISCLAIMER:

The information in this publication has been assembled for guidance only. Care has been taken to ensure accuracy, but no liability can be accepted for any consequence which may arise as a result of its application.

MEC STRUT

C Channel Steel Strut

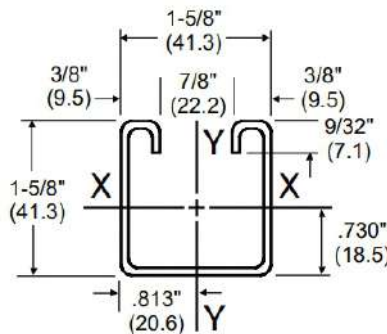
1000 Series 41 x 41 x 2.5mm



Wt. = 1.90 lbs/ft (2.83 kg/m)
Area = 0.558 in² (3.60 cm²)
 $I_{x-x} = 0.185 \text{ in}^4$ (7.70 cm⁴)
 $S_{x-x} = 0.204 \text{ in}^3$ (3.34 cm³)
 $r_{x-x} = 0.576 \text{ in}$ (14.63 cm)
 $I_{y-y} = 0.234 \text{ in}^4$ (9.74 cm⁴)
 $S_{y-y} = 0.288 \text{ in}^3$ (4.72 cm³)
 $r_{y-y} = 0.647 \text{ in}$ (16.43 cm)
Thickness = 12 GA (2.6 mm)

BEAM SPAN OR COLUMN HT.		UNIFORM LOAD		UNIFORM LOAD AT DEFLECTION = 1/240 SPAN		MAXIMUM COLUMN LOAD	
in	mm	kgs	kN	kgs	kN	kgs	kN
24	610	771	7.62	771	7.62	3796	37.5
36	914	514	5.08	514	5.08	3184	31.45
48	1219	386	3.81	350	3.46	2530	24.97
60	1524	308	3.05	224	2.21	1926	19.02
72	1829	257	2.54	156	1.54	1547	15.28
84	2134	220	2.17	114	1.13	1296	12.28
96	2438	193	1.9	97	0.86	1114	11
108	2743	171	1.69	69	0.68	972	9.6
120	3048	154	1.52	56	0.55	857	8.47

2000 Series 41 x 41 x 1.6mm



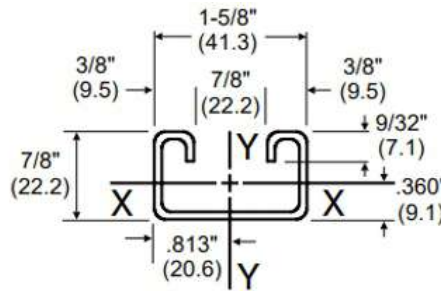
Wt. = 1.40 lbs/ft (2.08 kg/m)
Area = 0.412 in² (2.66 cm²)
 $I_{x-x} = 0.146 \text{ in}^4$ (6.08 cm⁴)
 $S_{x-x} = 0.163 \text{ in}^3$ (2.67 cm³)
 $r_{x-x} = 0.595 \text{ in}$ (15.11 cm)
 $I_{y-y} = 0.180 \text{ in}^4$ (7.49 cm⁴)
 $S_{y-y} = 0.222 \text{ in}^3$ (3.64 cm³)
 $r_{y-y} = 0.661 \text{ in}$ (16.79 cm)
Thickness = 14 GA (1.9 mm)

BEAM SPAN OR COLUMN HT.		UNIFORM LOAD		UNIFORM LOAD AT DEFLECTION = 1/240 SPAN		MAXIMUM COLUMN LOAD	
in	mm	kgs	kN	kgs	kN	kgs	kN
24	610	616	6.08	616	6.08	2397	23.68
36	914	411	4.05	411	4.05	2056	20.31
48	1219	308	3.04	276	2.72	1650	16.3
60	1524	246	2.43	176	1.74	1228	12.13
72	1829	205	2.02	122	1.21	949	9.37
84	2134	176	1.74	77	0.89	775	7.65
96	2438	154	1.52	66	0.68	656	6.48
108	2743	137	1.35	54	0.54	570	5.63
120	3048	123	1.21	44	0.43	504	4.98

MEC STRUT

C Channel Steel Strut

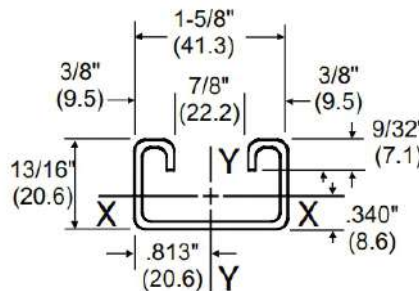
3000 Series 41 x 21 x 2.5mm



Wt. = 1.36 lbs/ft (2.02 kg/m)
Area = 0.400 in² (2.58 cm²)
 $I_{x-x} = 0.040$ in⁴ (1.66 cm⁴)
 $S_{x-x} = 0.078$ in³ (1.28 cm³)
 $r_{x-x} = 0.316$ in (8.03 cm)
 $I_{y-y} = 0.148$ in⁴ (6.16 cm⁴)
 $S_{y-y} = 0.182$ in³ (2.98 cm³)
 $r_{y-y} = 0.608$ in (15.44 cm)
Thickness = 12 GA (2.6 mm)

BEAM SPAN OR COLUMN HT.		UNIFORM LOAD		UNIFORM LOAD AT DEFLECTION = 1/240 SPAN		MAXIMUM COLUMN LOAD	
in	mm	kgs	kN	kgs	kN	kgs	kN
24	610	295	2.91	291	2.88	3566	35.2
36	914	196	1.94	134	1.33	2812	27.77
48	1219	147	1.46	75	0.74	1860	18.37
60	1524	118	1.16	48	0.47	1201	11.86
72	1829	98	0.97	34	0.33	834	8.23
84	2134	84	0.83	24	0.24	-	-
96	2438	73	0.73	19	0.18	-	-
108	2743	65	0.64	15	0.15	-	-
120	3048	59	0.58	12	0.12	-	-

4000 Series 41 x 21 x 1.6mm



Wt. = 0.97 lbs/ft (1.44 kg/m)
Area = 0.290 in² (1.87 cm²)
 $I_{x-x} = 0.027$ in⁴ (1.12 cm⁴)
 $S_{x-x} = 0.057$ in³ (0.93 cm³)
 $r_{x-x} = 0.305$ in (7.75 cm)
 $I_{y-y} = 0.108$ in⁴ (4.49 cm⁴)
 $S_{y-y} = 0.133$ in³ (2.18 cm³)
 $r_{y-y} = 0.610$ in (15.49 cm)
Thickness = 14 GA (1.9 mm)

BEAM SPAN OR COLUMN HT.		UNIFORM LOAD		UNIFORM LOAD AT DEFLECTION = 1/240 SPAN		MAXIMUM COLUMN LOAD	
in	mm	kgs	kN	kgs	kN	kgs	kN
24	610	215	2.13	204	2.01	2230	22.03
36	914	143	1.42	90	0.89	1756	17.34
48	1219	108	1.06	51	0.5	1103	10.89
60	1524	86	0.85	32	0.32	707	6.97
72	1829	72	0.71	22	0.22	490	4.84
84	2134	61	0.6	16	0.16	-	-
96	2438	54	0.53	13	0.12	-	-
108	2743	48	0.47	10	0.1	-	-
120	3048	43	0.43	8	0.08	-	-

MEC STRUT

C Channel Steel Strut

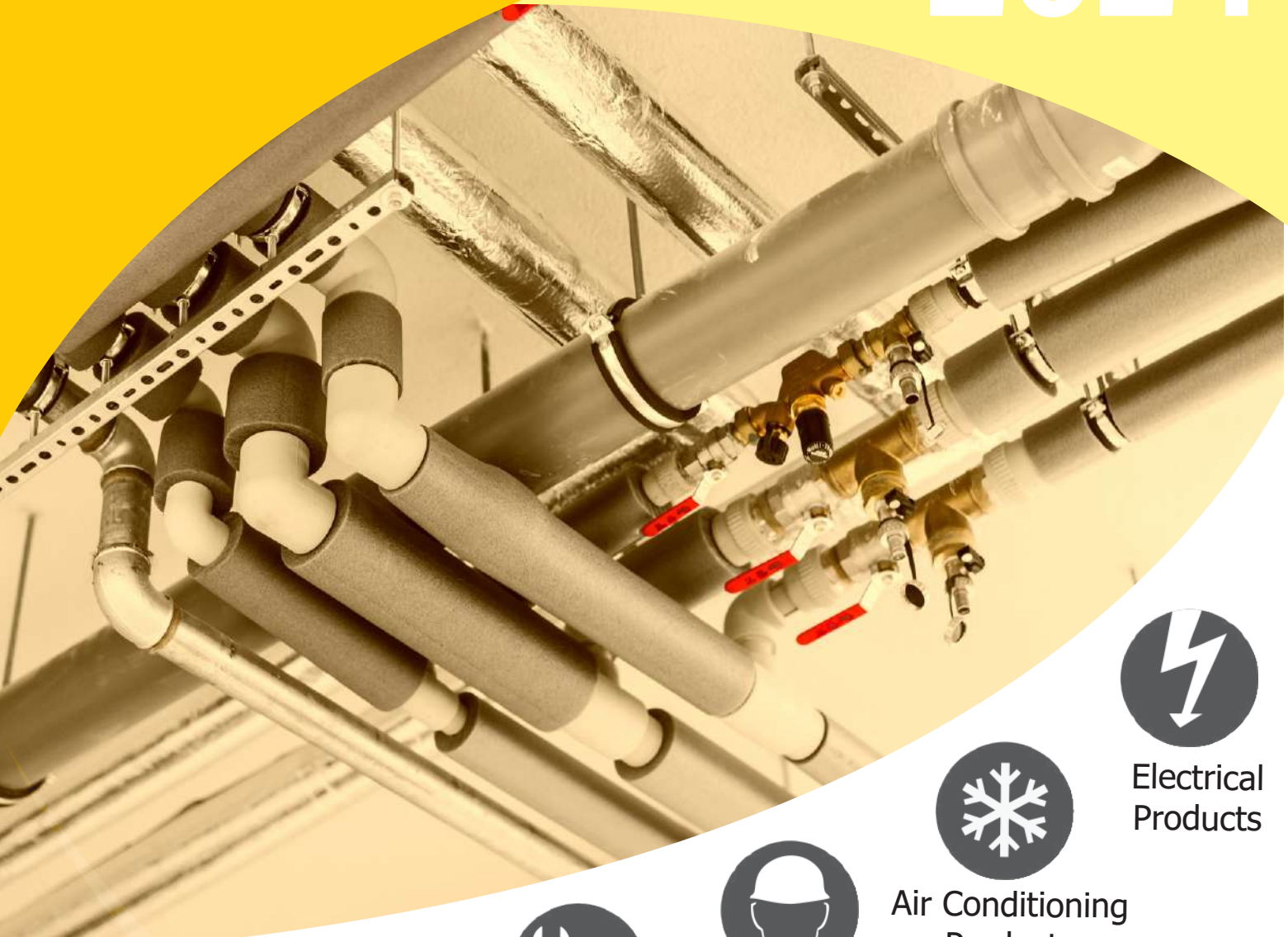
Product List

Product Code	Dimensions	Type	Coating	Length
Channel Section 1000 / 2000 Series (41 x 41mm)				
C1001GP	41x41 Back On Back	PLAIN	Hot Dipped Galvanized (HDG)	6m
C100GP3	41x41x2.5	PLAIN	Hot Dipped Galvanized (HDG)	3m
C100GP6	41x41x2.5	PLAIN	Hot Dipped Galvanized (HDG)	6m
C100GS3	41x41x2.5	SLOTTED	Hot Dipped Galvanized (HDG)	3m
C100GS6	41x41x2.5	SLOTTED	Hot Dipped Galvanized (HDG)	6m
C100P3	41x41x2.5	PLAIN	Pre-Galvanized	3m
C100P6	41x41x2.5	PLAIN	Pre-Galvanized	6m
C100S3	41x41x2.5	SLOTTED	Pre-Galvanized	3m
C100S6	41x41x2.5	SLOTTED	Pre-Galvanized	6m
C100SS316	41x41x2.5	PLAIN	Stainless Steel 316	6m
C100SS316S	41x41x2.5	SLOTTED	Stainless Steel 316	6m
C100TSS316	41x41x2.5	SLOTTED	Stainless Steel 316	6m
C200P6	41x41x1.5	PLAIN	Pre-Galvanized	6m
C200S3	41x41x1.5	SLOTTED	Pre-Galvanized	3m
C200S6	41x41x1.5	SLOTTED	Pre-Galvanized	6m
Channel Section 3000 / 4000 Series (41 x 21mm)				
C330GP6	41x21x2.5	PLAIN	Hot Dipped Galvanized (HDG)	6m
C330GS3	41x21x2.5	SLOTTED	Hot Dipped Galvanized (HDG)	3m
C330GS6	41x21x2.5	SLOTTED	Hot Dipped Galvanized (HDG)	6m
C330SS316	41x21x2.5	PLAIN	Stainless Steel 316	6m
C330SS316S	41x21x2.5	SLOTTED	Stainless Steel 316	6m
C330TSS316	41x21x2.5	SLOTTED	Stainless Steel 316	6m
C400P6	41x21x1.6	PLAIN	Pre-Galvanized	6m
C400S3	41x21x1.6	SLOTTED	Pre-Galvanized	3m
C400S6	41x21x1.6	SLOTTED	Pre-Galvanized	6m
Channel Section 5000 Series (41 x 61mm)				
C5001GP	41x123x2.5	PLAIN	Hot Dipped Galvanized (HDG)	6m
C5001GP6	41x123x2.5	PLAIN	Hot Dipped Galvanized (HDG)	6m
C500GP6	41x61x2.5	PLAIN	Hot Dipped Galvanized (HDG)	6m
C500GS6	41x61x2.5	SLOTTED	Hot Dipped Galvanized (HDG)	6m
C500P6	41x61x2.5	PLAIN	Pre-Galvanized	6m
C500S6	41x61x2.5	SLOTTED	Pre-Galvanized	6m

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