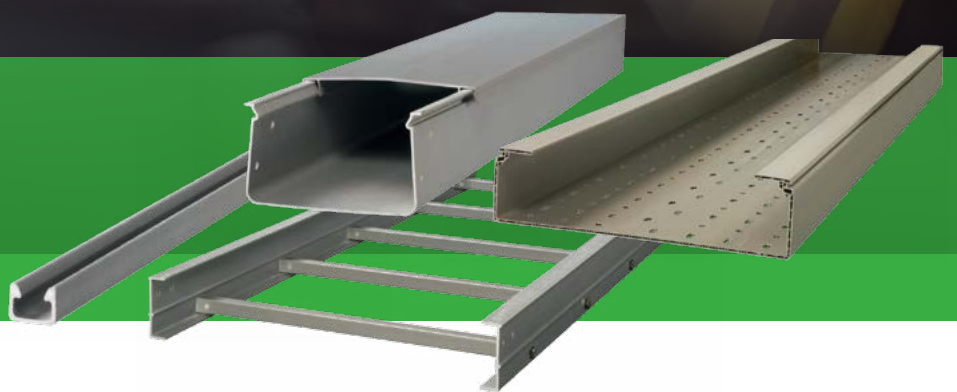




Industrial Cable Support Solutions

Schneider Electric
Cable Management



www.schneider-electric.co.uk

Life Is On

Schneider
Electric

Cable Containment for Harsh Environments

Corrosion Resistant Composite Technology

Schneider Electric is a leader in cable management solutions. Our offer includes a complete industrial cable support systems range specifically designed for harsh and corrosive environments.

As a leading manufacturer of corrosion resistant industrial cable support products, we can supply all you need to carry and support every kind of electric cable, data, instrumentation, computer or power circuit.

Whether you are specifying a range of equipment for a major project or buying a selection of components for a simple maintenance installation, our range is unequalled. When you choose a system bearing our name you have the reassurance it is of the highest quality. Wherever you are situated and whatever you need, we are committed to meeting your requirements.

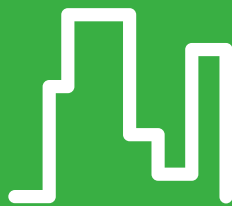
Schneider Electric's years of experience and research facilities, in addition to computer aided design and manufacture and distribution networks, provide backup and support throughout the world.



Industry



Energy &
Infrastructure



Buildings

Contents



Cable Ladder	4-31
GRP Ladder and Fittings	6-17
Coupler Table	18-19
Wibe Ladder Coupling System	20-23
KHZP	22
KHZ	23
Cable Trays & Troughing	24-31
GRP Cable Tray and Troughing	25-31
GRP Cable Containment	32-47
GRP Cable Containment Ladder and Fittings	33-43
Coupler Table	44-45
PVC Cable Tray	48-55
PVC Cable Tray and Fittings	50-54
Performa Wire Cable Tray	55
Support Systems	56-67
GRP Strut	58-63
GRP Cantilever Arms	64
GRP Instrument Stands	65 -66
Support	67

NOTE: any calculations shown in this catalogue are based on polyester

Any illustrations, drawings and descriptive matter contained in this catalogue or any other of the Company's publications are intended to be of a general informative nature only and Schneider Electric and its agents or distributors reserve the right to modify, alter designs or change materials and finishes as deemed necessary or desirable. The Buyer shall not be entitled to reject goods by reasons of such modifications.

Any dimensions given in this catalogue are nominal and components of differing sizes may differ in design.

A photograph showing a GRP (Glass Reinforced Plastic) cable ladder installed on a roof. The ladder is a long, narrow, light-colored structure with a dark metal track on top. It is secured to the roof with several metal brackets and bolts. The background shows a large industrial building with a complex roof structure and a hazy sky. A green horizontal band is overlaid on the left side of the image, containing the text 'GRP Cable Ladder'.

GRP Cable Ladder



GRP Cable Ladder

GRP (Glass Reinforced Polymer) provides excellent resistance to fire and the effects of corrosion.

Additionally GRP is not effected by temperature changes, adverse weather conditions, it provides UV stability resulting in the most cost effective long term solution.

Bespoke options

- inc GH Series GRP Ladder,
- GML - 100mm with strut rungs
- GNL - 150mm with strut rungs

Range Selection Chart 6

GRP Ladder and Fittings

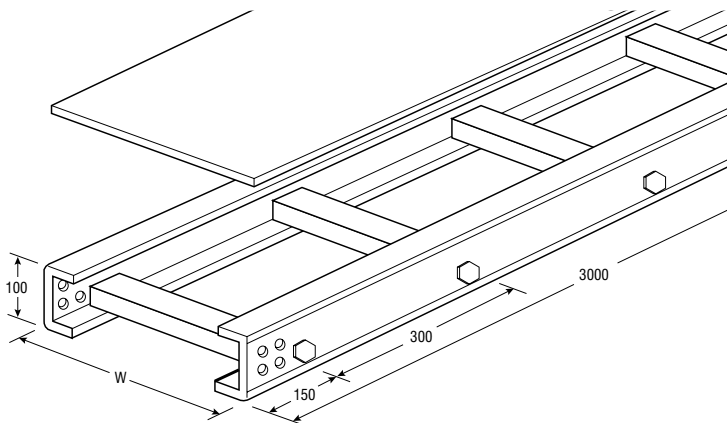
GRP Ladder and Fittings	6-17
Coupler Table	18-19
Metallic Cable Ladder	20-23

GMLN Series GRP Ladder

Selection & Ordering

GMLN Series GRP Ladder	Standard Product	Alternative Options
		Please specify any alternative options required, on enquiry
	Please contact us for details of any minimum manufacturing quantities, lead times and price premiums which may apply	
Material	Polyester Resin	Other resins available on request
Depth	100mm	
Length	3000mm	6000mm
Width	150-900mm	Sizes as required
Covers	Screw reference is MSS3PH10, Eight needed per ladder	
Rivets (rivet reference is TRP6, Eight needed per ladder)	Screw reference is MSS3PH10, Eight needed per ladder	
Coupler Hole Diameter	M8 clearance	-
Rung Spacing	300mm	250, 500mm
Rung Configuration	Box section	-
Construction of Fittings	316 stainless steel bolts and assembly plates	UV resistant, non-metallic hardware and GRP assembly plates
Radius of Bends	300mm	600mm, 900mm or 1500mm
Angle of Bends	45° or 90°	30° or 60°
Associated Products and Additional Information References	Page Number	
Couplers & Accessories Selection Table	26-27	
Fasteners	66	
FIBASTRUT™ GRP Support Channel	56	
Technical Section	Separate technical guide is available on request	
FIBARACK™*	* Patent Protected No. 0873477	

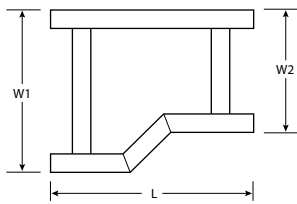
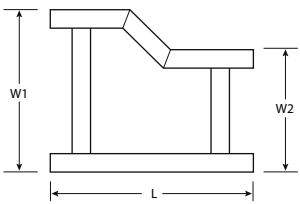
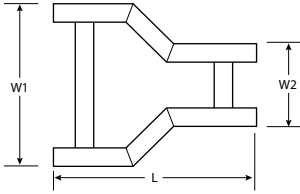
Ladder



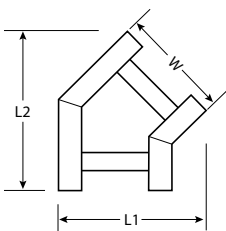
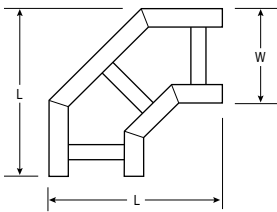
GMLN GRP Cable Ladder

Ref	W (mm)	D (mm)	L (mm)	Cover Ref
GMLN150	150	100	3000	GCL150
GMLN200	200	100	3000	GCL200
GMLN300	300	100	3000	GCL300
GMLN400	400	100	3000	GCL400
GMLN450	450	100	3000	GCL450
GMLN600	600	100	3000	GCL600
GMLN750	750	100	3000	GCL750
GMLN900	900	100	3000	GCL900

Reducers



Bends



Reducer Straight

Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GMRN3015	300	150	455	GCR3015
GMRN4015	400	150	505	GCR4015
GMRN4030	400	300	430	GCR4030
GMRN4530	450	300	455	GCR4530
GMRN6030	600	300	530	GCR6030
GMRN6045	600	450	455	GCR6045
GMRN7560	750	600	455	GCR7560
GMRN9075	900	750	455	GCR9075

Reducer L/Hand

Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GMRLN3015	300	150	530	GCRL3015
GMRLN4015	400	150	630	GCRL4015
GMRLN4030	400	300	480	GCRL4030
GMRLN4530	450	300	530	GCRL4530
GMRLN6030	600	300	680	GCRL6030
GMRLN6045	600	450	530	GCRL6045
GMRLN7560	750	600	530	GCRL7560
GMRLN9075	900	750	530	GCRL9075

Reducer R/Hand

Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GMRRN3015	300	150	530	GCRR3015
GMRRN4015	400	150	630	GCRR4015
GMRRN4030	400	300	480	GCRR4030
GMRRN4530	450	300	530	GCRR4530
GMRRN6030	600	300	680	GCRR6030
GMRRN6045	600	450	530	GCRR6045
GMRRN7560	750	600	530	GCRR7560
GMRRN9075	900	750	530	GCRR9075

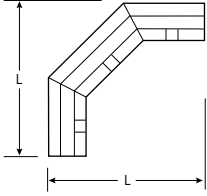
90° Flat Bend

Ref	W1 (mm)	L (mm)	Cover Ref
GMAN150	150	525	GCA150
GMAN200	200	575	GCA200
GMAN300	300	675	GCA300
GMAN400	400	775	GCA400
GMAN450	450	825	GCA450
GMAN600	600	975	GCA600
GMAN750	750	1125	GCA750
GMAN900	900	1275	GCA900

45° Flat Bend

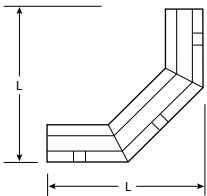
Ref	W (mm)	L1 (mm)	L2 (mm)	Cover Ref
GMAN1545	150	226	437	GCA1545
GMAN2045	200	297	472	GCA2045
GMAN3045	300	438	543	GCA3045
GMAN4045	400	580	614	GCA4045
GMAN4545	450	650	649	GCA4545
GMAN6045	600	862	755	GCA6045
GMAN7545	750	1075	861	GCA7545
GMAN9045	900	1287	968	GCA9045

Risers



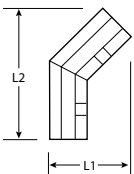
External 90° Riser

Ref	W (mm)	L (mm)	Cover Ref
GMEN150	150	467	GCE150
GMEN200	200	467	GCE200
GMEN300	300	467	GCE300
GMEN400	400	467	GCE400
GMEN450	450	467	GCE450
GMEN600	600	467	GCE600
GMEN750	750	467	GCE750
GMEN900	900	467	GCE900



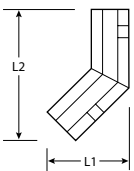
Internal 90° Riser

Ref	W (mm)	L (mm)	Cover Ref
GMIN150	150	467	GCI150
GMIN200	200	467	GCI200
GMIN300	300	467	GCI300
GMIN400	400	467	GCI400
GMIN450	450	467	GCI450
GMIN600	600	467	GCI600
GMIN750	750	467	GCI750
GMIN900	900	467	GCI900



External 45° Riser

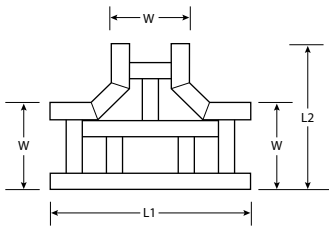
Ref	W1 (mm)	L1 (mm)	L2 (mm)	Cover Ref
GMEN1545	150	234	395	GCE1545
GMEN2045	200	234	395	GCE2045
GMEN3045	300	234	395	GCE3045
GMEN4045	400	234	395	GCE4045
GMEN4545	450	234	395	GCE4545
GMEN6045	600	234	395	GCE6045
GMEN7545	750	234	395	GCE7545
GMEN9045	900	234	395	GCE9045



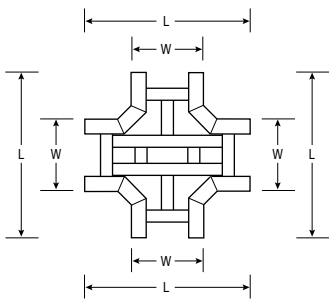
Internal 45° Riser

Ref	W1 (mm)	L1 (mm)	L2 (mm)	Cover Ref
GMIN1545	150	234	395	GCI1545
GMIN2045	200	234	395	GCI2045
GMIN3045	300	234	395	GCI3045
GMIN4045	400	234	395	GCI4045
GMIN4545	450	234	395	GCI4545
GMIN6045	600	234	395	GCI6045
GMIN7545	750	234	395	GCI7545
GMIN9045	900	234	395	GCI9045

Tees & Crossovers



rung configuration will change with width



rung configuration will change with width

Equal Tee

Ref	W (mm)	L1 (mm)	L2 (mm)	Cover Ref
GMTN150	150	892	525	GCT150
GMTN200	200	942	575	GCT200
GMTN300	300	1042	675	GCT300
GMTN400	400	1144	775	GCT400
GMTN450	450	1192	825	GCT450
GMTN600	600	1342	975	GCT600
GMTN750	750	1492	1125	GCT750
GMTN900	900	1642	1275	GCT900

Equal Cross

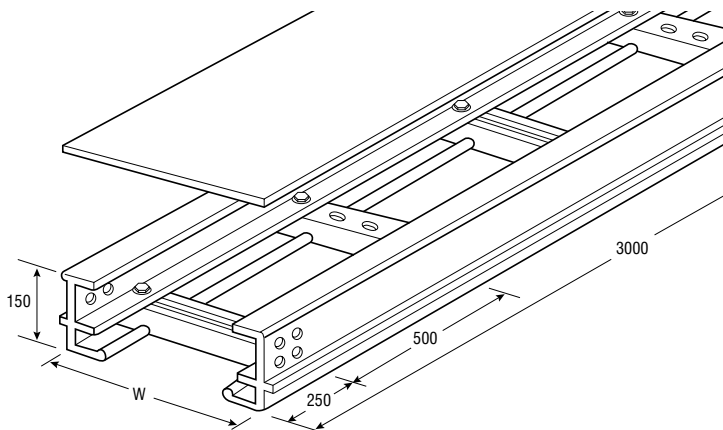
Ref	W (mm)	L (mm)	Cover Ref
GMXN150	150	892	GCX150
GMXN200	200	942	GCX200
GMXN300	300	1042	GCX300
GMXN400	400	1142	GCX400
GMXN450	450	1192	GCX450
GMXN600	600	1342	GCX600
GMXN750	750	1492	GCX750
GMXN900	900	1642	GCX900

GAL Series GRP ladder

Selection & Ordering

GAL Series GRP Ladder	Standard Product	Alternative Options
		Please specify any alternative options required, on enquiry
	Please contact us for details of any minimum manufacturing quantities, lead times and price premiums which may apply	
Material	Polyester Resin	Other resins available on request
Depth	150mm	
Length	3000mm	6000mm
Width	150-1000mm	Sizes as required
Covers	Secured using push-fit thermoplastic rivets	
Rivets are included with covers as standard	Secured using 316 S/S self-tapping screws	
Coupler Hole Diameter	M8 clearance	-
Rung Spacing	500mm	250, 300mm
Rung Configuration	Rungs alternate face up / face down	As required
Construction of Fittings	316 stainless steel bolts and assembly plates	UV resistant, non-metallic hardware and GRP assembly plates
Radius of Bends	300mm	600mm, 900mm or 1500mm
Angle of Bends	45° or 90°	30° or 60°
Associated Products and Additional Information References	Page Number	
Couplers & Accessories Selection Table	26-27	
Fasteners	66	
FIBASTRUT™ GRP Support Channel	56	
Technical Section	Separate technical guide is available on request	
FIBARACK™*	* Patent Protected No. 0873477	

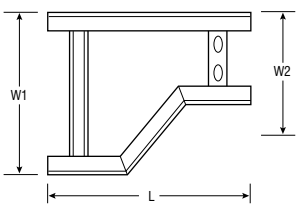
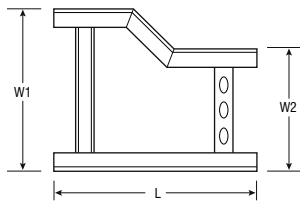
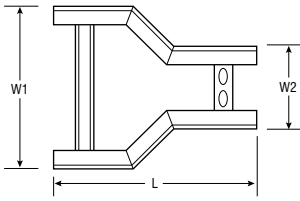
Ladder



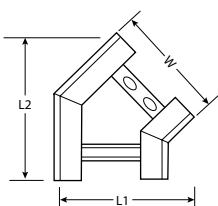
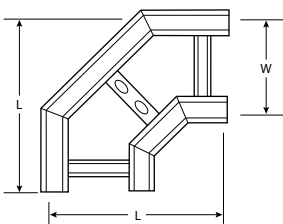
GAL Ladder

Ref	W (mm)	D (mm)	L (mm)	Cover Ref
GAL150	150	150	3000	GEL150
GAL200	200	150	3000	GEL200
GAL300	300	150	3000	GEL300
GAL400	400	150	3000	GEL400
GAL450	450	150	3000	GEL450
GAL600	600	150	3000	GEL600
GAL750	750	150	3000	GEL750
GAL900	900	150	3000	GEL900
GAL1000	1000	150	3000	GEL1000

Reducers



Bends



Reducer Straight

Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GAR3015	300	150	475	GER3015
GAR4015	400	150	525	GER4015
GAR4030	400	300	450	GER4030
GAR4530	450	300	475	GER4530
GAR6030	600	300	550	GER6030
GAR6045	600	450	475	GER6045
GAR7560	750	600	475	GER7560
GAR9075	900	750	475	GER9075
GAR1060	1000	600	600	GER1060
GAR1075	1000	750	525	GER1075

Reducer L/Hand

Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GARL3015	300	150	530	GERL3015
GARL4015	400	150	630	GERL4015
GARL4030	400	300	480	GERL4030
GARL4530	450	300	530	GERL4530
GARL6030	600	300	680	GERL6030
GARL6045	600	450	530	GERL6045
GARL7560	750	600	530	GERL7560
GARL9075	900	750	530	GERL9075
GARL1060	1000	630	780	GERL1060
GARL1075	1000	750	630	GERL1075

Reducer R/Hand

Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GARR3015	300	150	530	GERR3015
GARR4015	400	150	630	GERR4015
GARR4030	400	300	480	GERR4030
GARR4530	450	300	530	GERR4530
GARR6030	600	300	680	GERR6030
GARR6045	600	450	530	GERR6045
GARR7560	750	600	530	GERR7560
GARR9075	900	750	530	GERR9075
GARR1060	1000	600	780	GERR1060
GARR1075	1000	750	630	GERR1075

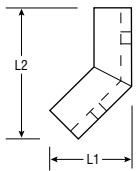
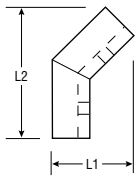
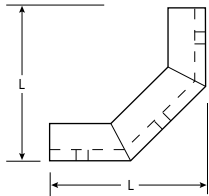
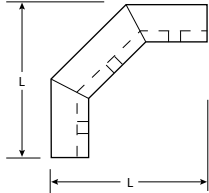
90° Flat Bend

Ref	W1 (mm)	L (mm)	Cover Ref
GAA150	150	525	GEA150
GAA200	200	575	GEA200
GAA300	300	675	GEA300
GAA400	400	775	GEA400
GAA450	450	825	GEA450
GAA600	600	975	GEA600
GAA750	750	1125	GEA750
GAA900	900	1275	GEA900
GAA1000	1000	1375	GEA1000

45° Flat Bend

Ref	W (mm)	L1 (mm)	L2 (mm)	Cover Ref
GAA1545	150	292	437	GEA1545
GAA2045	200	343	472	GEA2045
GAA3045	300	442	543	GEA3045
GAA4045	400	542	614	GEA4045
GAA4545	450	592	649	GEA4545
GAA6045	600	742	755	GEA6045
GAA7545	750	892	861	GEA7545
GAA9045	900	1042	968	GEA9045
GAA1045	1000	1142	1038	GEA1045

Risers



External 90° Riser

Ref	W (mm)	L (mm)	Cover Ref
GAE150	150	517	GEE150
GAE200	200	517	GEE200
GAE300	300	517	GEE300
GAE400	400	517	GEE400
GAE450	450	517	GEE450
GAE600	600	517	GEE600
GAE750	750	517	GEE750
GAE900	900	517	GEE900
GAE1000	1000	517	GEE1000

Internal 90° Riser

Ref	W (mm)	L (mm)	Cover Ref
GAI150	150	517	GEI150
GAI200	200	517	GEI200
GAI300	300	517	GEI300
GAI400	400	517	GEI400
GAI450	450	517	GEI450
GAI600	600	517	GEI600
GAI750	750	517	GEI750
GAI900	900	517	GEI900
GAI1000	1000	517	GEI1000

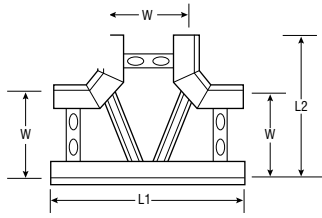
External 45° Riser

Ref	W1 (mm)	L1 (mm)	L2 (mm)	Cover Ref
GAE1545	150	284	430	GEE1545
GAE2045	200	284	430	GEE2045
GAE3045	300	284	430	GEE3045
GAE4045	400	284	430	GEE4045
GAE4545	450	284	430	GEE4545
GAE6045	600	284	430	GEE6045
GAE7545	750	284	430	GEE7545
GAE9045	900	284	430	GEE9045
GAE1045	1000	284	430	GEE1045

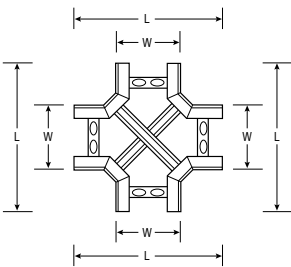
Internal 45° Riser

Ref	W1 (mm)	L1 (mm)	L2 (mm)	Cover Ref
GAI1545	150	284	430	GEI1545
GAI2045	200	284	430	GEI2045
GAI3045	300	284	430	GEI3045
GAI4045	400	284	430	GEI4045
GAI4545	450	284	430	GEI4545
GAI6045	600	284	430	GEI6045
GAI7545	750	284	430	GEI7545
GAI9045	900	284	430	GEI9045
GAI1045	1000	284	430	GEI1045

Tees & Crossovers



rung configuration will change with width



rung configuration will change with width

Equal Tee

Ref	W (mm)	L1 (mm)	L2 (mm)	Cover Ref
GAT150	150	892	525	GET150
GAT200	200	942	575	GET200
GAT300	300	1042	675	GET300
GAT400	400	1142	775	GET400
GAT450	450	1192	825	GET450
GAT600	600	1342	975	GET600
GAT750	750	1492	1125	GET750
GAT900	900	1642	1275	GET900
GAT1000	1000	1742	1375	GET1000

Equal Cross

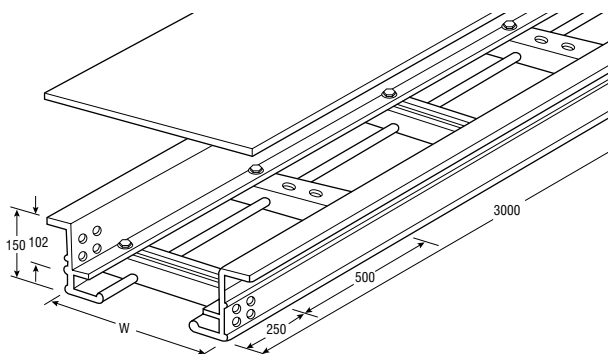
Ref	W (mm)	L (mm)	Cover Ref
GAX150	150	892	GEX150
GAX200	200	942	GEX200
GAX300	300	1042	GEX300
GAX400	400	1142	GEX400
GAX450	450	1192	GEX450
GAX600	600	1342	GEX600
GAX750	750	1492	GEX750
GAX900	900	1642	GEX900
GAX1000	1000	1742	GEX1000

GXL Series GRP ladder

Selection & Ordering

GHL Series GRP Ladder	Standard Product	Alternative Options
		Please specify any alternative options required, on enquiry
	Please contact us for details of any minimum manufacturing quantities, lead times and price premiums which may apply	
Material	Polyester Resin	Other resins available on request
Depth	150mm	
Length	3000mm	6000mm
Width	150-1000mm	Sizes as required
Covers	Secured using push-fit thermoplastic rivets	
Rivets	Plastic Rivets(TRP6) or Stainless steel bolts(MSS8)	
Coupler Hole Diameter	M8 clearance	-
Rung Spacing	500mm	250, 300mm
Rung Configuration	Rungs alternate face up / face down	As required
Construction of Fittings	316 stainless steel bolts and assembly plates	UV resistant, non-metallic hardware and GRP assembly plates
Radius of Bends	300mm	600mm, 900mm or 1500mm
Angle of Bends	45° or 90°	30° or 60°
Associated Products and Additional Information References	Page Number	
Couplers & Accessories Selection Table	26-27	
Fasteners	66	
FIBASTRUT™ GRP Support Channel	56	
Technical Section	Separate technical guide is available on request	
FIBARACK™*	* Patent Protected No. 0873477	

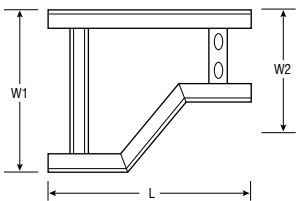
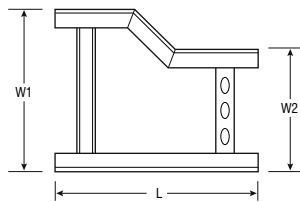
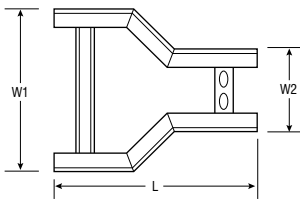
Ladder



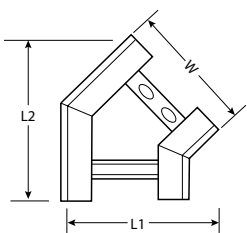
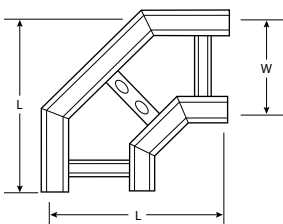
GXL Ladder

Ref	W (mm)	D (mm)	L (mm)	Cover Ref
GXL150	150	150	3000	GZL150
GXL200	200	150	3000	GZL200
GXL300	300	150	3000	GZL300
GXL400	400	150	3000	GZL400
GXL450	450	150	3000	GZL450
GXL600	600	150	3000	GZL600
GXL750	750	150	3000	GZL750
GXL900	900	150	3000	GZL900
GXL1000	1000	150	3000	GZL1000

Reducers



Bends



Reducer Straight

Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GXR3015	300	150	478	GZR3015
GXR4015	400	150	524	GZR4015
GXR4030	400	300	453	GZR4030
GXR4530	450	300	478	GZR4530
GXR6030	600	300	553	GZR6030
GXR6045	600	450	478	GZR6045
GXR7560	750	600	478	GZR7560
GXR9075	900	750	478	GZR9075
GXR1075	1000	750	524	GZR1075

Reducer L/Hand

Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GXRL3015	300	150	553	GZRL3015
GXRL4015	400	150	653	GZRL4015
GXRL4030	400	300	503	GZRL4030
GXRL4530	450	300	553	GZRL4530
GXRL6030	600	300	703	GZRL6030
GXRL6045	600	450	553	GZRL6045
GXRL7560	750	600	553	GZRL7560
GXRL9075	900	750	553	GZRL9075
GXRL1075	1000	750	653	GZRL1075

Reducer R/Hand

Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GXRR3015	300	150	553	GZRR3015
GXRR4015	400	150	653	GZRR4015
GXRR4030	400	300	503	GZRR4030
GXRR4530	450	300	553	GZRR4530
GXRR6030	600	300	703	GZRR6030
GXRR6045	600	450	553	GZRR6045
GXRR7560	750	600	553	GZRR7560
GXRR9075	900	750	553	GZRR9075
GXRR1075	1000	750	653	GZRR1075

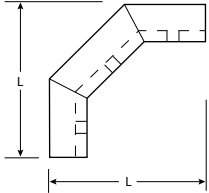
90° Flat Bend

Ref	W1 (mm)	L (mm)	Cover Ref
GXA150	150	527	GZA150
GXA200	200	577	GZA200
GXA300	300	677	GZA300
GXA400	400	777	GZA400
GXA450	450	827	GZA450
GXA600	600	977	GZA600
GXA750	750	1127	GZA750
GXA900	900	1277	GZA900
GXA1000	1000	1377	GZA1000

45° Flat Bend

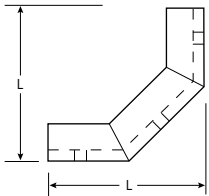
Ref	W (mm)	L1 (mm)	L2 (mm)	Cover Ref
GXA1545	150	226	437	GZA1545
GXA2045	200	297	472	GZA2045
GXA3045	300	438	543	GZA3045
GXA4045	400	580	614	GZA4045
GXA4545	450	650	649	GZA4545
GXA6045	600	862	755	GZA6045
GXA7545	750	1075	861	GZA7545
GXA9045	900	1287	968	GZA9045
GXA1045	1000	1428	1038	GZA1045

Risers



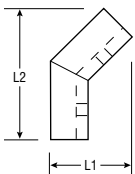
External 90° Riser

Ref	W (mm)	L (mm)	Cover Ref
GXE150	150	517	GZE150
GXE200	200	517	GZE200
GXE300	300	517	GZE300
GXE400	400	517	GZE400
GXE450	450	517	GZE450
GXE600	600	517	GZE600
GXE750	750	517	GZE750
GXE900	900	517	GZE900
GXE1000	1000	517	GZE1000



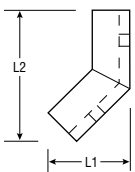
Internal 90° Riser

Ref	W (mm)	L (mm)	Cover Ref
GXI150	150	517	GZI150
GXI200	200	517	GZI200
GXI300	300	517	GZI300
GXI400	400	517	GZI400
GXI450	450	517	GZI450
GXI600	600	517	GZI600
GXI750	750	517	GZI750
GXI900	900	517	GZI900
GXI1000	1000	517	GZI1000



External 45° Riser

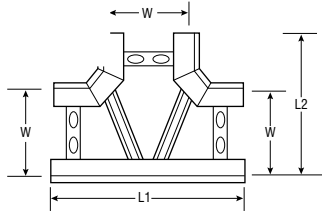
Ref	W1 (mm)	L1 (mm)	L2 (mm)	Cover Ref
GXE1545	150	284	430	GZE1545
GXE2045	200	284	430	GZE2045
GXE3045	300	284	430	GZE3045
GXE4045	400	284	430	GZE4045
GXE4545	450	284	430	GZE4545
GXE6045	600	284	430	GZE6045
GXE7545	750	284	430	GZE7545
GXE9045	900	284	430	GZE9045
GXE1045	1000	284	430	GZE1045



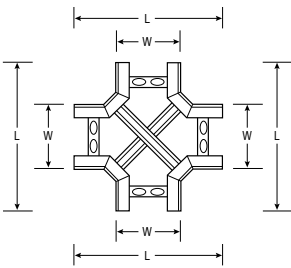
Internal 45° Riser

Ref	W1 (mm)	L1 (mm)	L2 (mm)	Cover Ref
GXI1545	150	284	430	GZI1545
GXI2045	200	284	430	GZI2045
GXI3045	300	284	430	GZI3045
GXI4045	400	284	430	GZI4045
GXI4545	450	284	430	GZI4545
GXI6045	600	284	430	GZI6045
GXI7545	750	284	430	GZI7545
GXI9045	900	284	430	GZI9045
GXI1045	1000	284	430	GZI1045

Tees & Crossovers



rung configuration will change with width



rung configuration will change with width

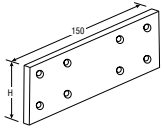
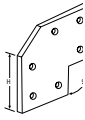
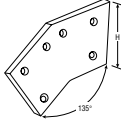
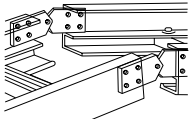
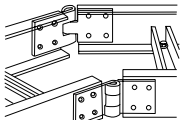
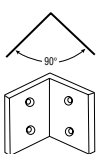
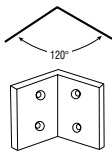
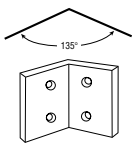
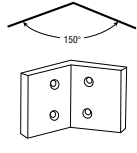
Equal Tee

Ref	W (mm)	L1 (mm)	L2 (mm)	Cover Ref
GXT150	150	894	527	GZT150
GXT200	200	944	577	GZT200
GXT300	300	1044	677	GZT300
GXT400	400	1144	777	GZT400
GXT450	450	1194	827	GZT450
GXT600	600	1344	977	GZT600
GXT750	750	1494	1127	GZT750
GXT900	900	1644	1277	GZT900
GXT1000	1000	1744	1377	GZT1000

Equal Cross

Ref	W (mm)	L (mm)	Cover Ref
GXX150	150	894	GZX150
GXX200	200	944	GZX200
GXX300	300	1044	GZX300
GXX400	400	1144	GZX400
GXX450	450	1194	GZX450
GXX600	600	1344	GZX600
GXX750	750	1494	GZX750
GXX900	900	1644	GZX900
GXX1000	1000	1744	GZX1000

GRP Ladder - Coupler Table

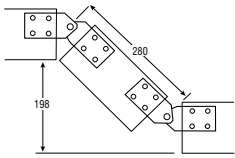
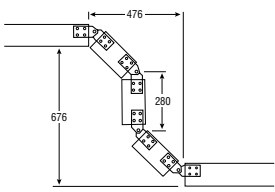
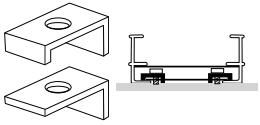
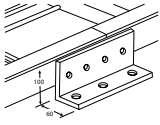
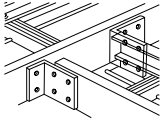
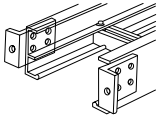
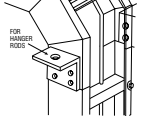
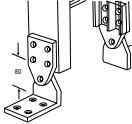
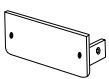
		Material	Profile: GMLN only H = 55mm	Profile: GXL, GAL H = 69mm
	Straight Coupler	SS GRP	GMCS GMCG	GHCS GHCG
	90° Vertical Angle Coupler	SS	GMCV90S	GSCV90S
	45° Vertical Angle Coupler	SS	GMCV45S	GSCV45S
	Vertical Hinged Coupler Max Ext Angle = 45° Max Int Angle = 90°	SS	GMVHCS	GVHCS
	Variable Angle Coupler	SS	GMHHCS	GHHCS
	90° Horizontal Angle Coupler	SS	GMCH90S	GSCH90S
	60° Horizontal Angle Coupler	SS	GMCH60S	GSCH6
	45° Horizontal Angle Coupler	SS	GMCH45S	GSCH45S
	30° Horizontal Angle Coupler	SS	GMCH30S	GSCH30S
Drawings are for illustration purposes only and may vary depending on the profile selected				

Please also see "Fasteners Required" – page 61

Hole diameter on all items is M8 clearance with the exception of GHDC which has M10 clearance

SS = Stainless Steel

GRP = Glass Reinforced Plastic

		Material	Profile: GMLN only	Profile: GXL, GAL
	Articulated Riser 1 Part (consists of 2 pairs of GVHC, 200mm of GRP ladder with 1 rung attached) *(to create ref number, suffix the ladder type, ie M, N, A or X, followed by the width eg: GR1N1000 for a GMLN series 1000mm width)	SS	Non standard	GR1*
	Articulated Riser 3 Part (consists of 4 pairs of GVHC, 3 x 200mm of GRP ladder with 1 rung attached) *(to create ref number, suffix the ladder type, ie M, N, A or X, followed by the width eg: GR3M1000 for a GMLN series 1000mm width)	SS	Non standard	GR3*
	Adaptor Coupler	GRP	GLCAMMG	For GMLN: GLCANNNG For GAL: N/A For GXL: N/A
	Ladder Clamp Use M10 size fastener	SS GRP	GHDCS GHDCG	GHDCS GHDCG
	Coupler Support	GRP	GMLCS	GCS
	T Joint Coupler	GRP	GMTJC	GTJC
	Fixed Support	GRP	GMFES	GFES
	Riser Support	GRP	GMRSC	For GMLN: GRSC For GHL: GRSC For GXL: Not suitable
	Hinged End Fixing	GRP	GMHEF	GHEF
	Stop End	SS	Non standard	Non standard

Fasteners (see couplers) Recommended fastener for cable ladder range MSS8, see page 61
Please note, fasteners (nuts, bolts and washer sets) should be ordered separately, please see page 61.

SS = Stainless Steel

GRP = Glass Reinforced Plastic

A close-up photograph of a metallic cable ladder. The ladder is made of silver-colored metal bars. Several cables are running through it. On the left, there are two thick black cables. On the right, there are several red cables, some with yellow and green stripes. The background is a blurred industrial setting.

Metallic Cable Ladder



Metallic Cable Ladder

The spine of an exceptional infrastructure

The cable support system is as essential for the building's infrastructure as the bone structure for the body. The Wibe Cable Ladders are robust and functional, enabling the same ladder to be used both horizontally and vertically. Add to that the extensive range of accessories as well as the wide variety of surface treatments – and you will have a safe and easily maintained solution that can be mounted in any direction or angle to fit round bends and curves in any environment.

More information:

Full product information is available in the Wibe Cable Ladder Catalogue. Please contact the Customer Information Centre on 0870 608 8 608

Wibe Ladder Coupling System 22-23

KHZP 22

KHZ 23

Ever been on site, installing cabling support systems and come up against the unforeseen?

Wibe cable ladders, with their versatile couplings, enable quick and easy on site fabrications to be made.

- > Smooth, hexagonal design – hygienic and easy to clean
- > The cable ladder system with minimal dust harbouring surfaces
- > Ideal for use in the food and pharmaceutical industries



- > Available as galvanised, epoxy, powder coated, GRP or stainless steel finishes
- > The Unique Wibe Coupling System – up to 75% saving on installation time.
- > Hinged couplers – use to make riser and flat bends



- > Angled coupler
 - use to make tees, crossovers, 45° and 90° bends.

Every type of Wibe coupler has 2 pre-installed screws (traditional couplers use up to 66 components). Installation times can be reduced by as much as 75%.

The unique Wibe Cable Ladder System

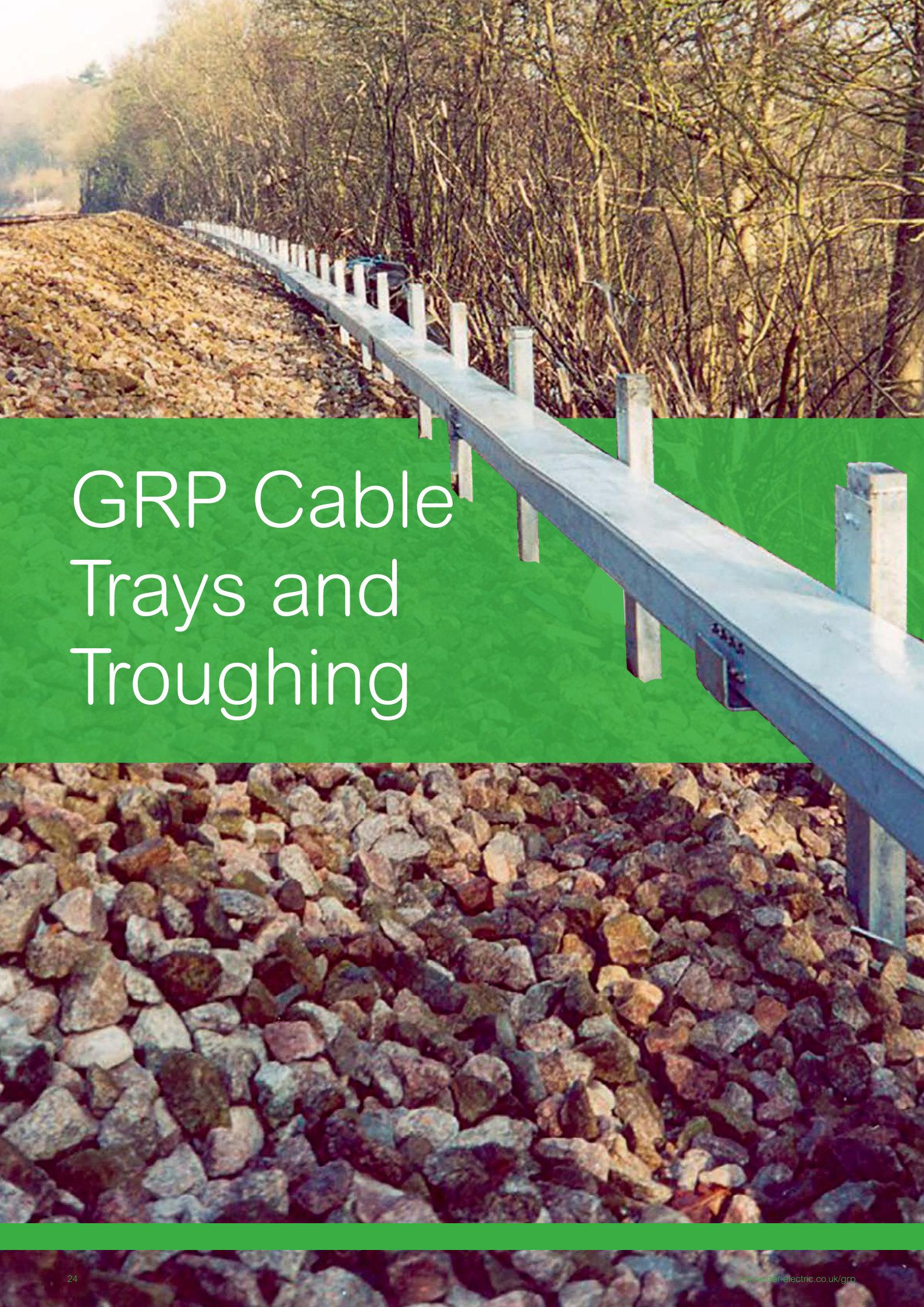


- > Fast and easy connections
 - no more fiddling with nuts and bolts

4 and 6 metre lengths – need fewer couplings

With just 3 accessories you can complete any installation

Pre-galvanised, hot dipped, epoxy and stainless steel



GRP Cable Trays and Troughing



GRP Cable Trays and Troughing

As a comprehensive manufacturer of corrosion resistant industrial cable support products, Schneider Electric have the solutions and expertise to specify a suitable solution, and deliver a product which can support any type of power circuit, cable, data and instrumentation.

Wherever you are situated and whatever you need, we are committed to meeting your requirements.

Range Selection Chart 26

GRP Cable Trays, Troughing and Fittings

Type GSPN Depth: 50mm 26-28

Type GRPN Depth: 60mm 28-29

Type GSP Depth: 110mm 29-30

Type GRP Depth: 210mm 30-31

Posts and Brackets 30

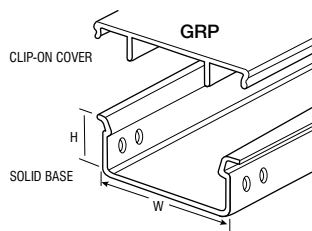
Couplers 30

CABSY® GRP Cable Tray

Selection & Ordering

GHM Series GRP Ladder	Standard Product	Alternative Options
		Please specify any alternative options required, on enquiry
	Please contact us for details of any minimum manufacturing quantities, lead times and price premiums which may apply	
Material	Polyester Resin	Other resins available on request
Depth	50mm, 100mm, 110mm, 210mm (please check width options)	
Length	3000mm	6000mm
Width	50-400mm	
Coupler Hole Diameter	8mm clearance	
Construction	Solid or Slotted Base	
Construction of Fittings	316 stainless steel bolts and assembly plates	Grylon bolts or GRP couplers
Radius of Bends	300mm	600mm, 900mm or 1500mm
Angle of Bends	45° or 90°	30° or 60°
Associated Products and Additional Information References	Page Number	
Couplers & Accessories Selection Table	42-43	
Fasteners	66	
FIBASTRUT™ GRP Support Channel	56	

Solid Base

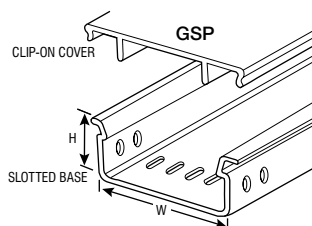


50mm Depth

W (mm)	Tray Ref Slotted	Tray Ref Solid	L (mm)	Cover Ref
50	GSPN505	GRPN505	3000	GRCN50
75	GSPN755	GRPN755	3000	GRCN75

For Couplers – please refer to page 37

Slotted Base



60mm Depth

W (mm)	Tray Ref Slotted	Tray Ref Solid	L (mm)	Cover Ref
100	GSP1006	GRP1006	3000	GRC100
150	GSP1506	GRP1506	3000	GRC150
200	GSP2006	GRP2006	3000	GRC200
300	GSP3006	GRP3006	3000	GRC300

For Couplers – please refer to page 37

110mm Depth

W (mm)	Tray Ref Slotted	Tray Ref Solid	L (mm)	Cover Ref
100	GSP100110	GRP100110	3000	GRC100
150	GSP150110	GRP150110	3000	GRC150
200	GSP200110	GRP200110	3000	GRC200
300	GSP300110	GRP300110	3000	GRC300
400	GSP400110	GRP400110	3000	GRC400

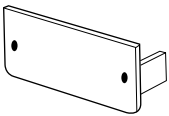
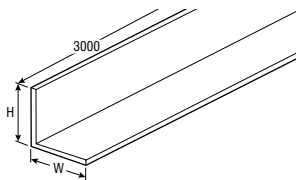
For Couplers – please refer to page 37

210mm Depth

W (mm)	Tray Ref Solid	L (mm)	Cover Ref
150	GRP150210	300	GRC150

For Couplers – please refer to page 37

Divider



Divider

Ref	W (mm)	H (mm)
GRD1	50	50

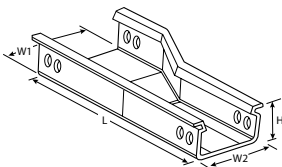
*only available in Polyester Class 2

End Stop

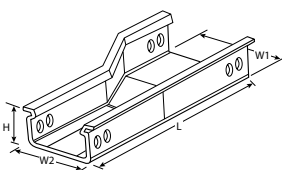
End Stops are available on request. Please contact our Customer Information Centre on 0870 608 8 608 for further details.

Reducers

Reducer Left Hand



Reducer Right Hand



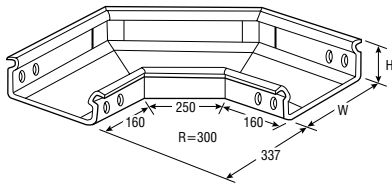
Build the reference code for the reducer you require using the table below

	W1	L/R	W2	Depth
GRD	<input type="text"/>	<input type="text"/>	<input type="text"/>	- <input type="text"/>
GRC	<input type="text"/>	<input type="text"/>	<input type="text"/>	- <input type="text"/>
eg: Fitting				
GR	200L10 60			
	Reduce from L or R		Reduce to	Depth
GR	200	L	100	60
eg: Lid to fit above fitting				
GRC	200L10			

Couplers required for all fittings

Reducers are available, as a standard product, in depths of 60mm. Other sizes available on request, please contact us on 0870 608 8 608.

Bends



90° Flat Bend 50mm depth

W (mm)	Tray Type Solid	Cover Ref
50	GRAN505	GRACN50
75	GRAN755	GRACN75

90° Flat Bend 60mm depth

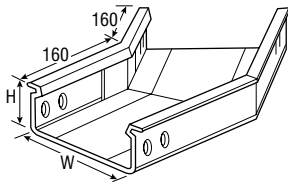
W (mm)	Tray Type Solid	Cover Ref
100	GRA1006	GRAC100
150	GRA1506	GRAC150
200	GRA2006	GRAC200
300	GRA3006	GRAC300

90° Flat Bend 110mm depth

W (mm)	Tray Type Solid	Cover Ref
100	GRA100110	GRAC100
150	GRA150110	GRAC150
200	GRA200110	GRAC200
300	GRA300110	GRAC300
400	GRA400110	GRAC400

90° Flat Bend 210mm depth

W (mm)	Tray Type Solid	Cover Ref
150	GRA150210	GRAC150



45° Flat Bend 50mm depth

W (mm)	Tray Type Solid	Cover Ref
50	GRAN50455	GRACN5045
75	GRAN75455	GRACN7545

45° Flat Bend 60mm depth

W (mm)	Tray Type Solid	Cover Ref
100	GRA10456	GRAC1045
150	GRA15456	GRAC1545
200	GRA20456	GRAC2045
300	GRA30456	GRAC3045

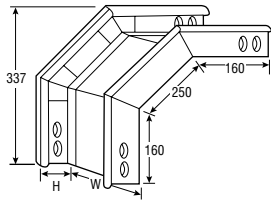
45° Flat Bend 110mm depth

W (mm)	Tray Type Solid	Cover Ref
100	GRA1045110	GRAC1045
150	GRA1545110	GRAC1545
200	GRA2045110	GRAC2045
300	GRA3045110	GRAC3045
400	GRA4045110	GRAC4045

45° Flat Bend 210mm depth

W (mm)	Tray Type Solid	Cover Ref
150	GRA1545210	GRAC1545

Risers



90° External Riser 50mm depth

W (mm)	Tray Type Solid	Cover Ref
50	GREN505	GRECN50
75	GREN755	GRECN75

90° External Riser 60mm depth

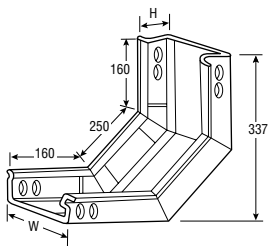
W (mm)	Tray Type Solid	Cover Ref
100	GRE1006	GREC1006
150	GRE1506	GREC1506
200	GRE2006	GREC2006
300	GRE3006	GREC3006

90° External Riser 110mm depth

W (mm)	Tray Type Solid	Cover Ref
100	GRE100110	GREC100110
150	GRE150110	GREC150110
200	GRE200110	GREC200110
300	GRE300110	GREC300110
400	GRE400100	GREC400110

90° External Riser 210mm depth

W (mm)	Tray Type Solid	Cover Ref
150	GRE150210	GREC150210



90° Internal Riser 50mm depth

W (mm)	Tray Type Solid	Cover Ref
50	GRIN505	GRICN50
75	GRIN755	GRICN75

90° Internal Riser 60mm depth

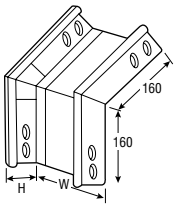
W (mm)	Tray Type Solid	Cover Ref
100	GRI1006	GRIC100
150	GRI2006	GRIC150
200	GRI3006	GRIC200
300	GRI3006	GRIC300

90° Internal Riser 110mm depth

W (mm)	Tray Type Solid	Cover Ref
100	GRI100110	GRIC100
150	GRI150110	GRIC150
200	GRI200110	GRIC200
300	GRI300110	GRIC300
400	GRI400110	GRIC400

90° Internal Riser 210mm depth

W (mm)	Tray Type Solid	Cover Ref
150	GRI150210	GRIC150



45° External Riser 50mm depth

W (mm)	Tray Type Solid	Cover Ref
50	GREN50455	GRECN5045
75	GREN75455	GRECN7545

45° External Riser 60mm depth

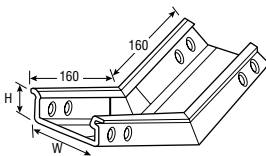
W (mm)	Tray Type Solid	Cover Ref
100	GRE1045	GREC10456
150	GRE1545	GREC15456
200	GRE2045	GREC20456
300	GRE3045	GREC30456

45° External Riser 110mm depth

W (mm)	Tray Type Solid	Cover Ref
100	GRE1045110	GREC1045110
150	GRE1545110	GREC1545110
200	GRE2045110	GREC2045110
300	GRE3045110	GREC3045110
400	GRE4045110	GREC4045110

45° External Riser 210mm depth

W (mm)	Tray Type Solid	Cover Ref
150	GRE1545210	GREC1545210



45° Internal Riser 50mm depth

W (mm)	Tray Type Solid	Cover Ref
50	GRIN50455	GRICN50
75	GRIN75455	GRICN75

45° Internal Riser 60mm depth

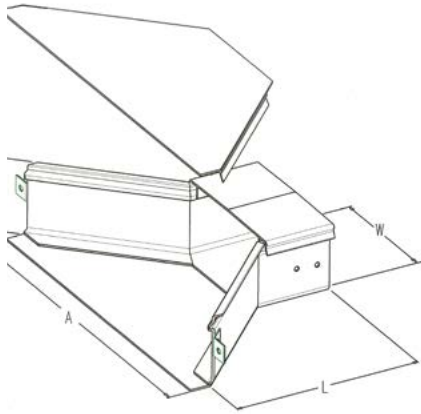
W (mm)	Tray Type Solid	Cover Ref
100	GRI1045	GRIC1045
150	GRI1545	GRIC1545
200	GRI2045	GRIC2045
300	GRI3045	GRIC3045

45° Internal Riser 110mm depth

W (mm)	Tray Type Solid	Cover Ref
100	GRI1045110	GRIC1045
150	GRI1545110	GRIC1545
200	GRI2045110	GRIC2045
300	GRI3045110	GRIC3045
400	GRI4045110	GRIC4045

45° Internal Riser 210mm depth

W (mm)	Tray Type Solid	Cover Ref
150	GRI1545210	GRIC1545



50mm depth

W (mm)	Tray Type Solid	Cover Ref
50	GRTN505	GRTCN50
75	GRTN755	GRTCN75

60mm depth

W (mm)	Tray Type Solid	Cover Ref
100	GRT100	GRTC100
150	GRT150	GRTC150
200	GRT200	GRTC200
300	GRT300	GRTC300

110mm depth

W (mm)	Tray Type Solid	Cover Ref
100	GRT100110	GRTC100
150	GRT150110	GRTC150
200	GRT200110	GRTC200
300	GRT300110	GRTC300
400	GRT400110	GRTC400

210mm depth

W (mm)	Tray Type Solid	Cover Ref
150	GRT150210	GRTC150

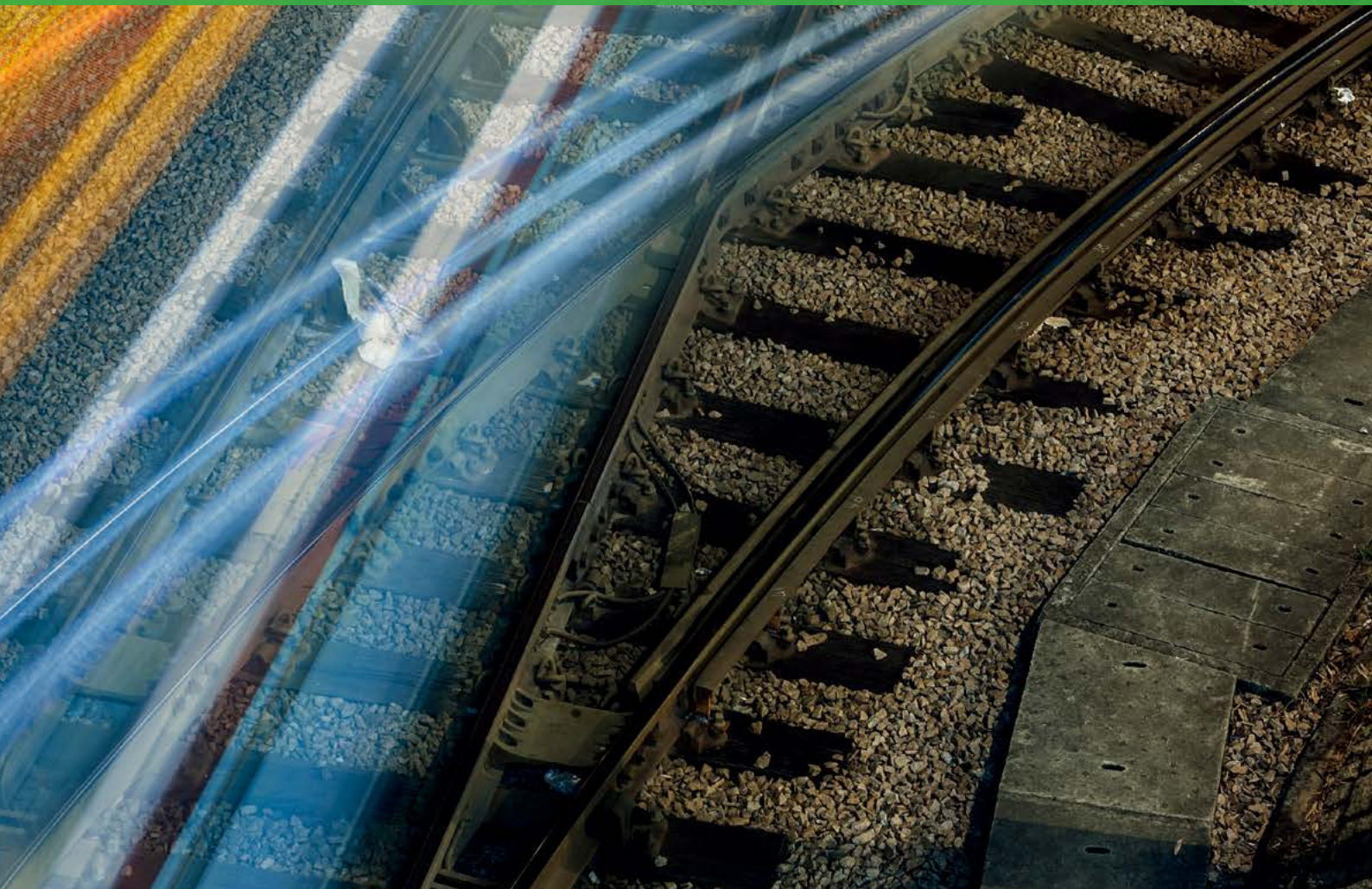
Unequal Tees

Unequal Tees are available on request, please contact Schneider Electric on 0870 608 8608 for further details

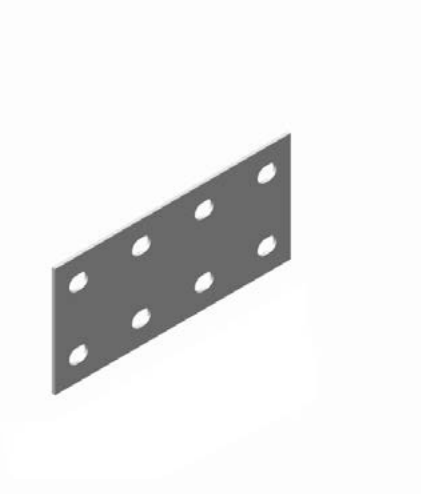
To make a cross, order 2 Tee Pieces



GRP Cable Containment



GRP Cable Containment Rail Solution



GRP Trough

Reference code	Size
GRP100110 Concrete C/1/6	100 x 110mm
GRP150110 Concrete C/1/7	150 x 110mm
GRP150210 Concrete C/1/8	150 x 210mm
GRP200110 Concrete C/1/9	200 x 110mm
GRP300110 Concrete C/1/10	300 x 110mm
GRP400110 Concrete C/1/29	400 x 110mm

GRP Lid

Reference code	Size
GRC100	100 x 110mm
GRC150	150 x 110mm
GRC150	150 x 210mm
GRC200	200 x 110mm
GRC300	300 x 110mm
GRC400	400 x 110mm

GRP Couplers

Reference code	Size
GHCG	100 x 110mm
GHCG	150 x 110mm
GHCG210	150 x 210mm
GHCG	200 x 110mm
GHCG	300 x 110mm
GHCG	400 x 110mm

Elevated GRP Trough Adaptor - Concrete Ground Trough

Reference code	Size
GRCTA1910V342B (Concrete C/1/6)	100 x 110mm
GRCTA1915V342B (Concrete C/1/7)	150 x 110mm
GRCTA18150V342B (Concrete C/1/8)	150 x 210mm
GRCTA1920V342B (Concrete C/1/9)	200 x 110mm
GRCTA1930V342B (Concrete C/1/10)	300 x 110mm
GRCTA1940V342B (Concrete C/1/29)	400 x 110mm



90 Degree Flat Bend

Reference code	Size
GRA100110R1500	100 x 110mm
GRA150110R1500	150 x 110mm
GRA150210R1500	150 x 210mm
GRA200110R1500	200 x 110mm
GRA300110R1500	300 x 110mm
GRA400110R1500	400 x 110mm



90 Degree Flat Bend Lid

Reference code	Size
GRAC100R1500	100 x 110mm
GRAC150R1500	150 x 110mm
GRAC150R1500	150 x 210mm
GRAC200R1500	200 x 110mm
GRAC300R1500	300 x 110mm
GRAC400R1500	400 x 110mm



30 Degree Flat Bend

Reference code	Size
GRA1030110R1500	100 x 110mm
GRA1530110R1500	150 x 110mm
GRA1530210R1500	150 x 210mm
GRA2030110R1500	200 x 110mm
GRA3030110R1500	300 x 110mm
GRA4030110R1500	400 x 110mm



30 Degree Flat Bend Lid

Reference code	Size
GRAC1030R1500	100 x 110mm
GRAC1530R1500	150 x 110mm
GRAC1530R1500	150 x 210mm
GRAC2030R1500	200 x 110mm
GRAC3030R1500	300 x 110mm
GRAC4030R1500	400 x 110mm



90 Degree External Riser

Reference code	Size
GRE100110R1500	100 x 110mm
GRE150110R1500	150 x 110mm
GRE150210R1500	150 x 210mm
GRE200110R1500	200 x 110mm
GRE300110R1500	300 x 110mm
GRE400110R1500	400 x 110mm

90 Degree External Riser Lid

Reference code	Size
GREC100110R1500	100 x 110mm
GREC150110R1500	150 x 110mm
GREC150210R1500	150 x 210mm
GREC200110R1500	200 x 110mm
GREC300110R1500	300 x 110mm
GREC400110R1500	400 x 110mm

30 Degree External Riser

Reference code	Size
GRE1030110R1500	100 x 110mm
GRE1530110R1500	150 x 110mm
GRE1530210R1500	150 x 210mm
GRE2030110R1500	200 x 110mm
GRE3030110R1500	300 x 110mm
GRE4030110R1500	400 x 110mm

30 Degree External Riser Lid

Reference code	Size
GREC1030110R1500	100 x 110mm
GREC1530110R1500	150 x 110mm
GREC1530210R1500	150 x 210mm
GREC2030110R1500	200 x 110mm
GREC3030110R1500	300 x 110mm
GREC4030110R1500	400 x 110mm

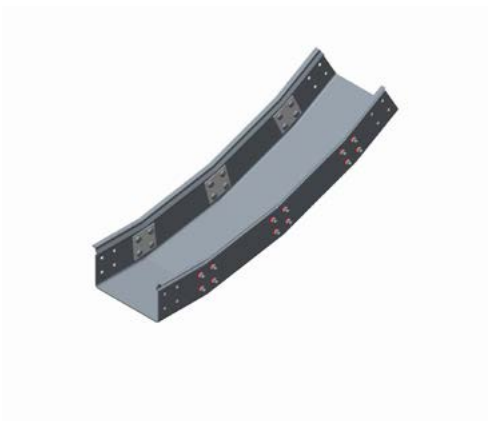


90 Degree Internal Riser

Reference code	Size
GRI100110R1500	100 x 110mm
GRI150110R1500	150 x 110mm
GRI150210R1500	150 x 210mm
GRI200110R1500	200 x 110mm
GRI300110R1500	300 x 110mm
GRI400110R1500	400 x 110mm

90 Degree Internal Riser Lid

Reference code	Size
GRIC100110R1500	100 x 110mm
GRIC150110R1500	150 x 110mm
GRIC150210R1500	150 x 210mm
GRIC200110R1500	200 x 110mm
GRIC300110R1500	300 x 110mm
GRIC400110R1500	400 x 110mm



30 Degree Internal Riser

Reference code	Size
GRI1030110R1500	100 x 110mm
GRI1530110R1500	150 x 110mm
GRI1530210R1500	150 x 210mm
GRI2030110R1500	200 x 110mm
GRI3030110R1500	300 x 110mm
GRI4030110R1500	400 x 110mm



30 Degree Internal Riser Lid

Reference code	Size
GRIC1030110R1500	100 x 110mm
GRIC1530110R1500	150 x 110mm
GRIC1530210R1500	150 x 210mm
GRIC2030110R1500	200 x 110mm
GRIC3030110R1500	300 x 110mm
GRIC4030110R1500	400 x 110mm

GRP Trough Reducers



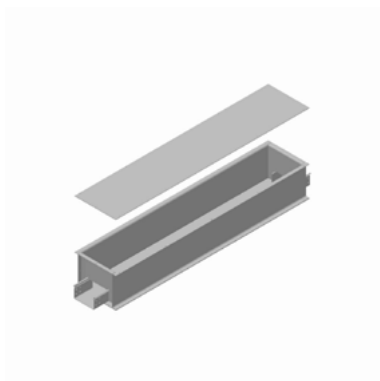
Left Hand Reducer

Reference code	Size
-	100 x 110mm
GR150L10110 (150x110mm to 100x110mm)	150 x 110mm
-	150 x 210mm
GR200110L150210 (200x110mm to 150x210mm), GR200L15110(200x110mm to 150x110mm)	200 x 110mm
GR300L20110 (300x110mm to 200x110mm)	300 x 110mm
GR400L30110 (400x110mm to 300x110mm)	400 x 110mm



Right Hand Reducer

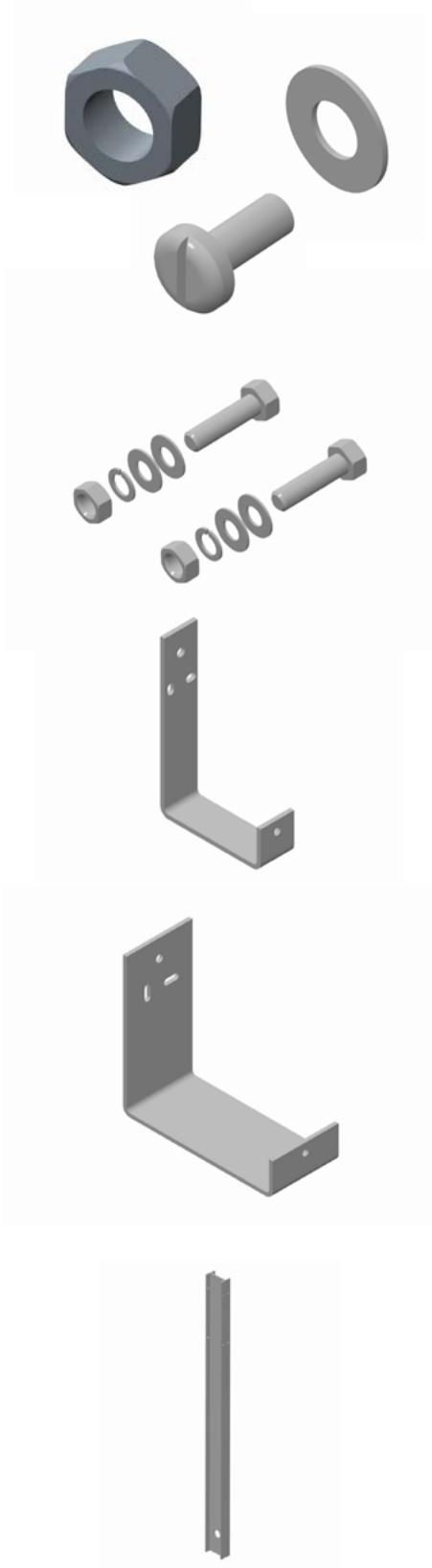
Reference code	Size
-	100 x 110mm
GR150R10110 (150x110mm TO 100x110mm)	150 x 110mm
-	150 x 210mm
GR200110R150210 (200x110mm to 150x210mm), GR200R15110 (200x110mm to 150x110mm)	200 x 110mm
GR300R20110 (300x110mm to 200x110mm)	300 x 110mm
GR400R30110 (400x110mm to 300x110mm)	400 x 110mm



GRP Trough Jointing Bay

Reference code	GRP I beam post length
GRPJ BAY200110C43	350W x 300D x 200 x 110 Trough

GRP Fixings



Panhead Bolts, Nuts & Washers

Reference number	Specification
MSS820BP	Bolt M8 x 20mm Slotted panhead 316 stainless steel
MSS8N	Nut M8 316 Stainless Steel
W8SS	Washer round M8 316 stainless steel

Bracket to Post Fixing Kit

Reference number	Specification
M8BNWZP/B	M8 Nut, Bolt washer kit hot dip galv.

Brackets GRP Posts

Reference number	Dimensions	For use with trough width
BRK150SL50	230 x 150 x 50mm	100mm
BRK200SL50	230 x 200 x 50mm	150mm
BRK250SL50	230 x 250 x 50mm	200mm

Brackets Steel Posts

Reference number	Dimensions	For troughing size
BRK150	230 x 150 x 110	GRP100
BRK200	230 x 200 x 110	GRP150
BRK250	230 x 250 x 110	GRP200
BRK350	230 x 350 x 110	GRP300
BRK450	230 x 450 x 110	GRP400

Elevated Trough Posts GRP

GRP Posts for trough size 100mm - 200mm wide	GRP I beam post length
MPG14	1.4 metres
MPG20	2.0 metres
MPG24	2.4 metres
MPG30	3.0 metres



Elevated Trough Post Steel

GRP Posts for trough size 300mm - 400mm wide	Specification
MPS14	Single trough, Steel hot dip galv. 1.4 metres
MPS24	Single trough, Steel hot dip galv. 2.4 metres
MPD14	Double trough, Steel hot dip galv. 1.4 metres
MPD24	Double trough, Steel hot dip galv. 2.4 metres
MPS30	Single trough, steel hot dip galv 3 metres
MPD30	Double trough, Steel hot dp galv 3 metres

Cleats



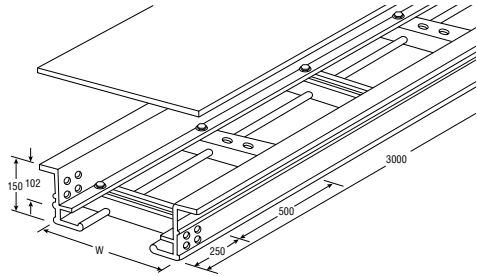
Heavy duty cable cleats

Product code	Description	Pack quantity
LDPP - single hole		
MS3	7.6mm	50
MS4	10.2mm	50
MS5	12.7mm	50
MS6	15.2mm	50
MS7	17.0mm	50
MS8	20.3mm	50
MS9	22.8mm	50
MS10	25.4mm	50
MS11	27.7mm	20
MS12	30.4mm	20
MS14	35.6mm	20
MS16	40.6mm	20
MS18	45.7mm	20
MS20	50.8mm	20
LDPP - two hole		
MT9	57.1mm	5
MT10	63.5mm	5
MT11	69.8mm	5
MT12	76.2mm	5
MT14	82.5mm	5
MT15	105mm	5

LSF polypropylene JEM 2 part clamps

Product code	Description	Pack quantity
MJ2	Cable diameter 50 – 75mm	5

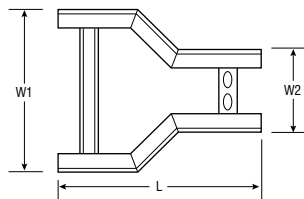
Ladder



GXL Ladder

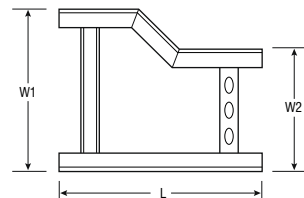
Ref	W (mm)	D (mm)	L (mm)	Cover Ref
GXL150	150	150	3000	GZL150
GXL200	200	150	3000	GZL200
GXL300	300	150	3000	GZL300
GXL400	400	150	3000	GZL400
GXL450	450	150	3000	GZL450
GXL600	600	150	3000	GZL600
GXL750	750	150	3000	GZL750
GXL900	900	150	3000	GZL900
GXL1000	1000	150	3000	GZL1000

Reducers



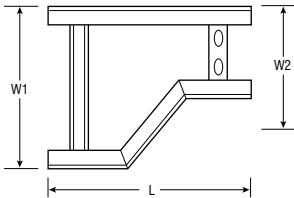
Reducer Straight

Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GXR3015	300	150	478	GZR3015
GXR4015	400	150	524	GZR4015
GXR4030	400	300	453	GZR4030
GXR4530	450	300	478	GZR4530
GXR6030	600	300	553	GZR6030
GXR6045	600	450	478	GZR6045
GXR7560	750	600	478	GZR7560
GXR9075	900	750	478	GZR9075
GXR1075	1000	750	524	GZR1075



Reducer L/Hand

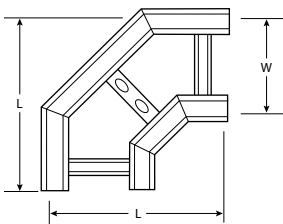
Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GXRL3015	300	150	553	GZRL3015
GXRL4015	400	150	653	GZRL4015
GXRL4030	400	300	503	GZRL4030
GXRL4530	450	300	553	GZRL4530
GXRL6030	600	300	703	GZRL6030
GXRL6045	600	450	553	GZRL6045
GXRL7560	750	600	553	GZRL7560
GXRL9075	900	750	553	GZRL9075
GXRL1075	1000	750	653	GZRL1075



Reducer R/Hand

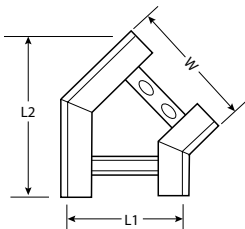
Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GXRR3015	300	150	553	GZRR3015
GXRR4015	400	150	653	GZRR4015
GXRR4030	400	300	503	GZRR4030
GXRR4530	450	300	553	GZRR4530
GXRR6030	600	300	703	GZRR6030
GXRR6045	600	450	553	GZRR6045
GXRR7560	750	600	553	GZRR7560
GXRR9075	900	750	553	GZRR9075
GXRR1075	1000	750	653	GZRR1075

Bends



90° Flat Bend

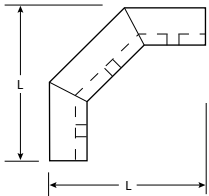
Ref	W1 (mm)	L (mm)	Cover Ref
GXA150	150	527	GZA150
GXA200	200	577	GZA200
GXA300	300	677	GZA300
GXA400	400	777	GZA400
GXA450	450	827	GZA450
GXA600	600	977	GZA600
GXA750	750	1127	GZA750
GXA900	900	1277	GZA900
GXA1000	1000	1377	GZA1000



45° Flat Bend

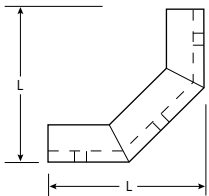
Ref	W (mm)	L1 (mm)	L2 (mm)	Cover Ref
GXA1545	150	226	437	GZA1545
GXA2045	200	297	472	GZA2045
GXA3045	300	438	543	GZA3045
GXA4045	400	580	614	GZA4045
GXA4545	450	650	649	GZA4545
GXA6045	600	862	755	GZA6045
GXA7545	750	1075	861	GZA7545
GXA9045	900	1287	968	GZA9045
GXA1045	1000	1428	1038	GZA1045

Risers



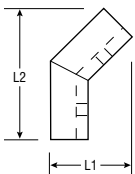
External 90° Riser

Ref	W (mm)	L (mm)	Cover Ref
GXE150	150	517	GZE150
GXE200	200	517	GZE200
GXE300	300	517	GZE300
GXE400	400	517	GZE400
GXE450	450	517	GZE450
GXE600	600	517	GZE600
GXE750	750	517	GZE750
GXE900	900	517	GZE900
GXE1000	1000	517	GZE1000



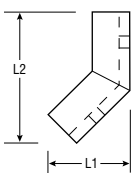
Internal 90° Riser

Ref	W (mm)	L (mm)	Cover Ref
GXI150	150	517	GZI150
GXI200	200	517	GZI200
GXI300	300	517	GZI300
GXI400	400	517	GZI400
GXI450	450	517	GZI450
GXI600	600	517	GZI600
GXI750	750	517	GZI750
GXI900	900	517	GZI900
GXI1000	1000	517	GZI1000



External 45° Riser

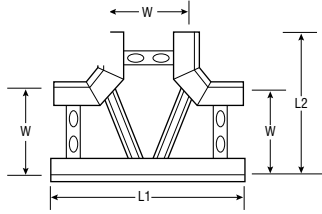
Ref	W1 (mm)	L1 (mm)	L2 (mm)	Cover Ref
GXE1545	150	284	430	GZE1545
GXE2045	200	284	430	GZE2045
GXE3045	300	284	430	GZE3045
GXE4045	400	284	430	GZE4045
GXE4545	450	284	430	GZE4545
GXE6045	600	284	430	GZE6045
GXE7545	750	284	430	GZE7545
GXE9045	900	284	430	GZE9045
GXE1045	1000	284	430	GZE1045



Internal 45° Riser

Ref	W1 (mm)	L1 (mm)	L2 (mm)	Cover Ref
GXI1545	150	284	430	GZI1545
GXI2045	200	284	430	GZI2045
GXI3045	300	284	430	GZI3045
GXI4045	400	284	430	GZI4045
GXI4545	450	284	430	GZI4545
GXI6045	600	284	430	GZI6045
GXI7545	750	284	430	GZI7545
GXI9045	900	284	430	GZI9045
GXI1045	1000	284	430	GZI1045

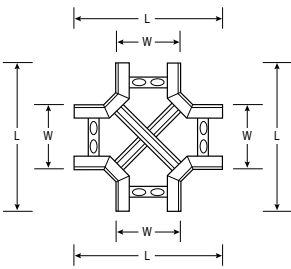
Tees & Crossovers



rung configuration will change with width

Equal Tee

Ref	W (mm)	L1 (mm)	L2 (mm)	Cover Ref
GXT150	150	894	527	GZT150
GXT200	200	944	577	GZT200
GXT300	300	1044	677	GZT300
GXT400	400	1144	777	GZT400
GXT450	450	1194	827	GZT450
GXT600	600	1344	977	GZT600
GXT750	750	1494	1127	GZT750
GXT900	900	1644	1277	GZT900
GXT1000	1000	1744	1377	GZT1000

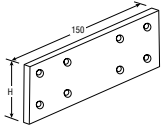
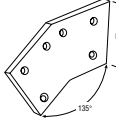
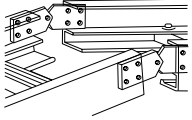
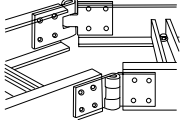
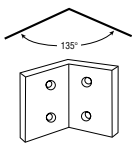
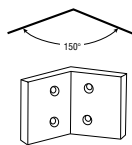


rung configuration will change with width

Equal Cross

Ref	W (mm)	L (mm)	Cover Ref
GXX150	150	894	GZX150
GXX200	200	944	GZX200
GXX300	300	1044	GZX300
GXX400	400	1144	GZX400
GXX450	450	1194	GZX450
GXX600	600	1344	GZX600
GXX750	750	1494	GZX750
GXX900	900	1644	GZX900
GXX1000	1000	1744	GZX1000

GRP Ladder - Coupler Table

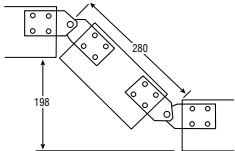
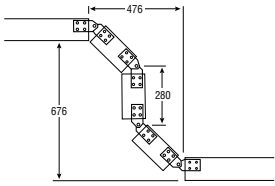
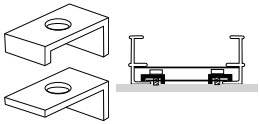
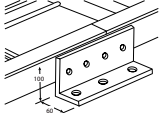
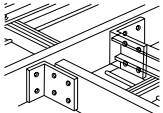
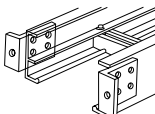
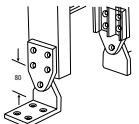
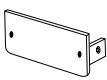
		Material	Profile: GXL H = 69mm
	Straight Coupler	SS GRP	GHCS GHCG
	90° Vertical Angle Coupler	SS	GSCV90S
	45° Vertical Angle Coupler	SS	GSCV45S
	Vertical Hinged Coupler Max Ext Angle = 45° Max Int Angle = 90°	SS	GVHCS
	Variable Angle Coupler	SS	GHHCS
	90° Horizontal Angle Coupler	SS	GSCH90S
	60° Horizontal Angle Coupler	SS	GSCH60S
	45° Horizontal Angle Coupler	SS	GSCH45S
	30° Horizontal Angle Coupler	SS	GSCH30S
Drawings are for illustration purposes only and may vary depending on the profile selected			

Please also see "Fasteners Required" – page 61

Hole diameter on all items is M8 clearance with the exception of GHDC which has M10 clearance

SS = Stainless Steel

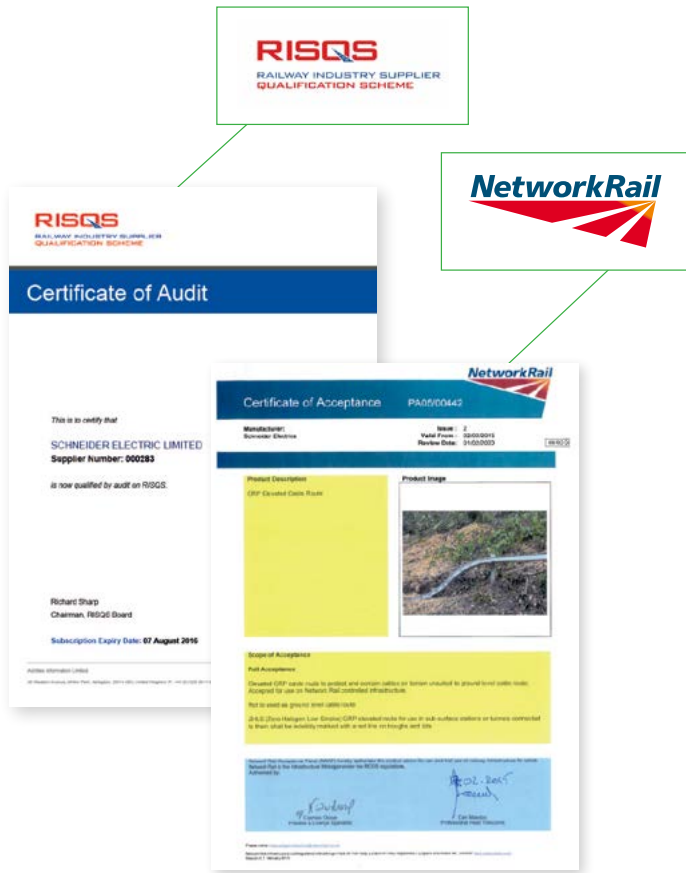
GRP = Glass Reinforced Plastic

		Material	Profile: GXL
	<p>Articulated Riser 1 Part (consists of 2 pairs of GVHC, 200mm of GRP ladder with 1 rung attached) *(to create ref number, suffix the ladder type X, followed by the width eg: GR1X1000 for a 1 part riser at 1000mm wide. The 1000 denotes the width of the ladder</p>	SS	GR1*
	<p>Articulated Riser 3 Part (consists of 4 pairs of GVHC, 3 x 200mm of GRP ladder with 1 rung attached) *(to create ref number, suffix the ladder type X, followed by the width eg: GR3X1000 for a 3 part riser at 1000mm wide. The 1000 denotes the width of the ladder.</p>	SS	GR3*
	<p>Ladder Clamp Use M10 size fastener</p>	SS GRP	GHDCS GHDCG
	<p>Coupler Support</p>	GRP	GCS
	<p>T Joint Coupler</p>	GRP	GTJC
	<p>Fixed Support</p>	GRP	GFES
	<p>Hinged End Fixing</p>	GRP	GHEF
	<p>Stop End</p>	SS	Non standard

Fasteners (see couplers) Recommended fastener for cable ladder range MSS8, see page 61
 Please note, fasteners (nuts, bolts and washer sets) should be ordered separately, please see page 61.

SS = Stainless Steel GRP = Glass Reinforced Plastic

Approvals



Standards

Material	Standards	
PY2	BS 476 Part 7	
	BS EN 60695-2-12:2001	
	UL 94 – V0	
PY1	BS 476 Part 7	
	UL 94 – 5VA	
	BS EN 60695-2-12:2001	
PY1C	BS476 Part 7	
	UL94 – V0	
	UL94 – 5VA	
	NES713	
	BS60079-0	
	BS EN 60695-2-12:2001	
AC	BS 476 Part 7	
	BS 476 Part 6	
	NES 713	
	BS EN 60695-2-12:2001	
	MX	BS 476 Part 7
		BS 476 Part 6
NES 713		
	BS 6853 – D8.3	
	BS 6853 –D8.4 Cat 1B	
	BS 6853 – D8.6	
	BS 6853 – Annex B2	
	BS EN ISO 4589-2	
	BS EN ISO 4589-3	
	UL 94 V0	
	UL 94 5VA	
	BS EN ISO 4589-2	
	BS EN ISO 4589-3	
	BS EN 60695-2-12:2001	
	PH	BS 476 Part 7
BS 476 Part 6		
NES 713		

References

Schneider full reference	Schneider quick reference
Polyester Class 2	PY2
Polyester Class 1	PY1
Polyester Class 1 Anti Static	PY1C
Acrylic Class 0	AC
Acrylic Class 0+	MX
Phenolic Class 0	PH

Technical guide

Mechanical Properties

Tensile Strength 20 - 30.6 kgf/mm²
 Compression Strength 20 - 30.6 kgf/mm²
 Flexural Strength 20 - 30.6 kgf/mm²
 Shear Strength 6.1 kgf/mm²
 Impact Strength 60-90 kgfcm/cm²
 Density 1.7 – 1.9 g/cm³

Electrical Properties

Dielectric Strength 7–15kV/mm
 Insulation Resistance 3.16 x 10¹⁴

Thermal Properties

Thermal Conductivity 0.2 – 0.3 kcal/(mh°C)
 Oxygen Index 42%
 Operating Temperature -140 to + 120°C

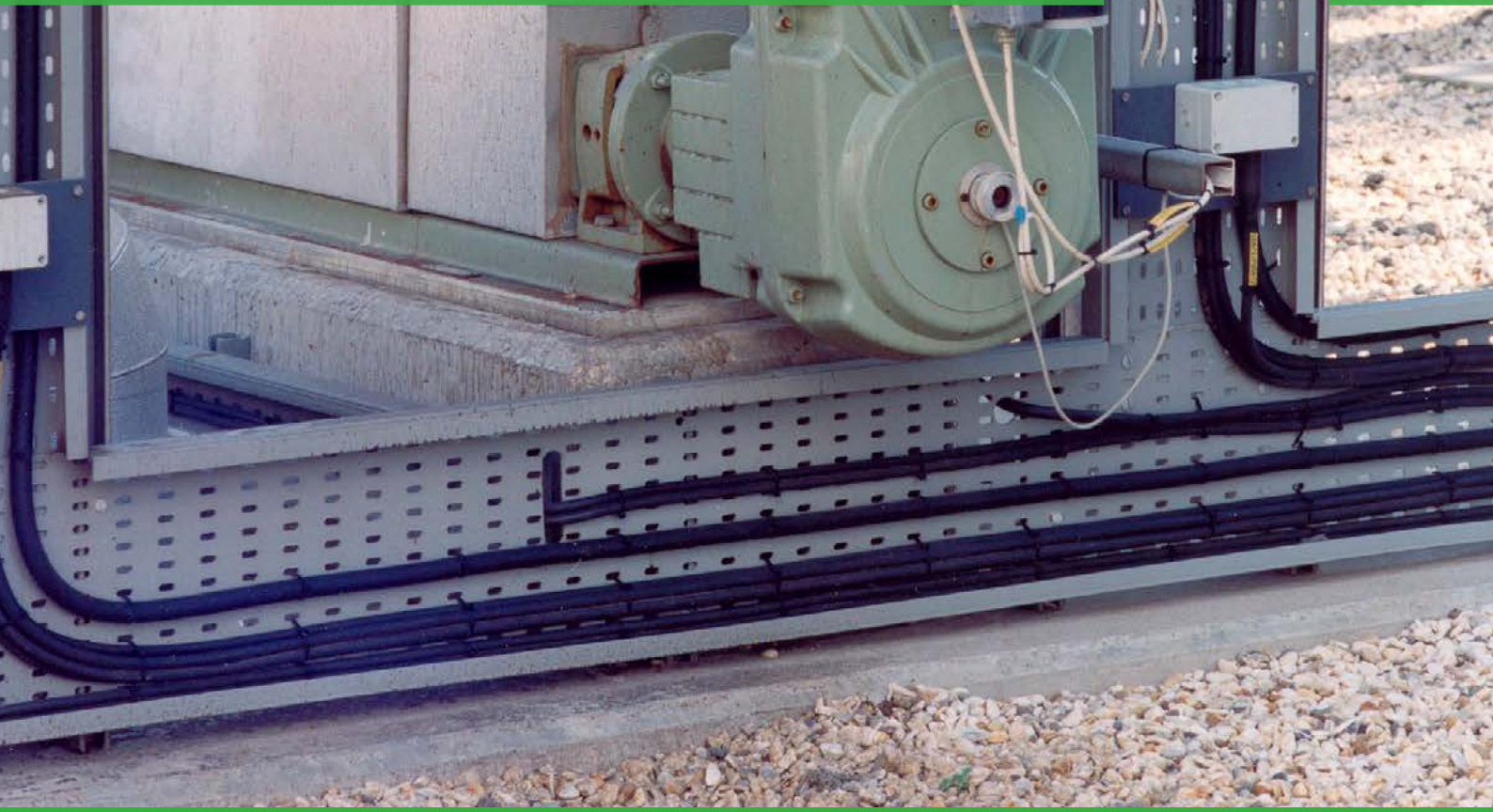
Weather Resistance

Water Absorption 24h = 0.15%
 4 days = 0.25%
 Weight Increase After 500h = 0.7%





PVC Cable Tray





PVC Cable Tray

One basic solution for many different environments...

Advantage of the PVC characteristics are designed to meet easy and safe installation.

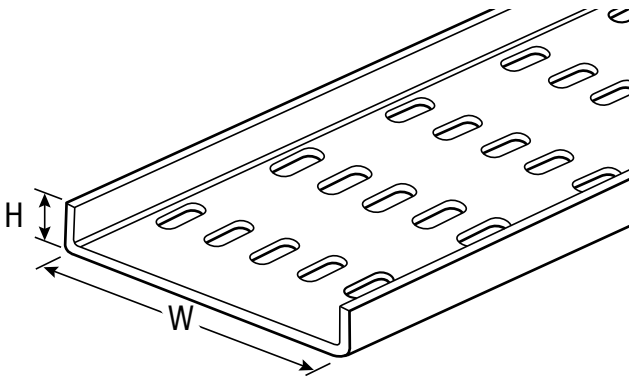
Range Selection Chart	50
PVC Cable Tray and Fittings	
Type LT Depth: 20mm	50
Type MT Depth: 50mm	51
Type MT Depth: 60mm	52
Type MT Depth: 100mm	53
Fasteners	55

PVC Cable Tray

Selection & Ordering

Selection Information	Standard Product	Alternative Options
		Please specify any alternative options required, on enquiry
	Please contact us for details of any minimum manufacturing quantities, lead times and price premiums which may apply	
Material	Grey uPVC	White uPVC
White colour available subject to minimum		
Depth	20-100mm	
Length	3000mm	
Width	50-600mm	
Covers	Snap on	
Construction of Fittings	PVC bolts & assembly plates	
Radius of Bends	300mm	
Angle of Bends	45° or 90°	30° or 60°
Associated Products and Additional Information References	Page Number	
Technical Section	Separate technical guide is available on request	

L Series

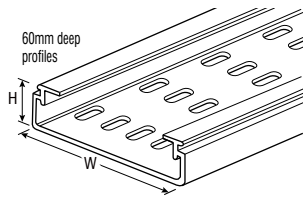
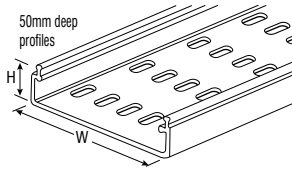


L Series Light Duty PVC Cable Tray

Cable Tray - 20mm Deep Profile

Ref	W (mm)	H (mm)
LT50-2	50	25
LT75-2	75	25
LT100-2	100	20
LT150-2	150	20
LT200-2	200	20
LT300-2	300	20

M Series



M Series Medium Duty PVC Cable Tray

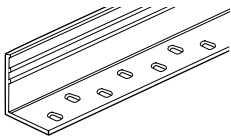
Cable Tray - 50mm Deep Profile			
Ref	W (mm)	H (mm)	Cover Ref
MT50-5	50	50	MTC50
MT75-5	75	50	MTC75
MT100-5	100	50	MTC100
MT150-5	150	50	MTC150

M Series Heavy Duty PVC Cable Tray

Cable Tray - 60mm Deep Profile			
Ref	W (mm)	H (mm)	Cover Ref
MT100-6	100	60	MC100
MT150-6	150	60	MC150
MT200-6	200	60	MC200
MT300-6	300	60	MC300
MT400-6	400	60	MC400

M Series Heavy Duty PVC Cable Tray

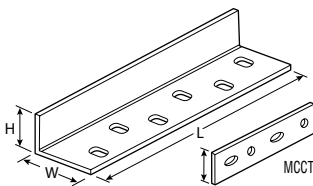
Cable Tray - 100mm Deep Profile			
Ref	W (mm)	H (mm)	Cover Ref
MT300-10	300	100	MC310
MT400-10	400	100	MC400
MT500-10	500	100	MC500
MT600-10	600	100	MC600



Divider

Application: Provides the opportunity for separate compartments within the tray and, at the same time gives support to the central part of the tray cover.

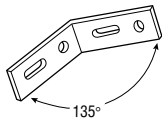
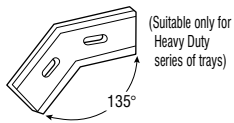
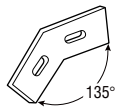
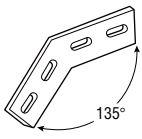
Ref	H (mm)	L (mm)
MD60	55	3000
MD100	91	3000



Coupler

Tray Type	Ref	H (mm)	L (mm)
MT50-5	MCCT	27	150
MT75-5			
MT100-5	MCC50	31	300
MT150-5			
MT100-6	MCC60	41	300
MT150-6			
MT200-6			
MT300-6			
MT400-6	MCC100	41 or 73	405
MT300-10	MCC100	73	405
MT400-10			
MT500-10			
MT600-10			

Angled Couplers



45° Flat Riser

Ref
MCCT-A

45° Riser

Ref
MCCT-B

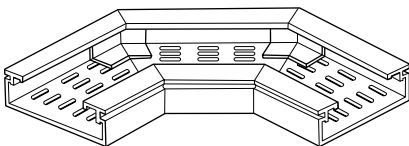
45° Riser

Ref
MCCT-C
Only suitable for Heavy Duty Series of Trays

45° Angled Plate

Ref
MCCT-D

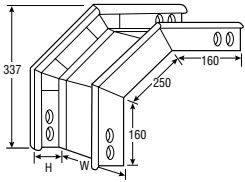
Bends



90° Flat Bend

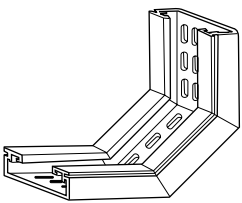
Ref	W (mm)	H (mm)	Cover Ref
MA50-5	50	50	MATC50
MA75-5	75	50	MATC75
MA100-5	100	50	MATC100
MA150-5	150	50	MATC150
MA100-6	100	60	MAC100
MA150-6	150	60	MAC150
MA200-6	200	60	MAC200
MA300-6	300	60	MAC300
MA400-6	400	60	MAC400
MA300-10	300	100	MAC310
MA400-10	400	100	MAC400
MA500-10	500	100	MAC500
MA600-10	600	100	MAC600

Risers



90° External Riser

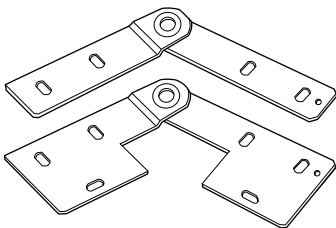
Ref	W (mm)	H (mm)	Cover Ref
ME505	50	50	METC50
ME755	75	50	METC75
ME1005	100	50	METC100
ME1505	150	50	METC150
ME1006	100	60	MEC100
ME1506	150	60	MEC150
ME2006	200	60	MEC200
ME3006	300	60	MEC300
ME4006	400	60	MEC400
ME30010	300	100	MEC310
ME40010	400	100	MEC410
ME50010	500	100	MEC500
ME60010	600	100	MEC600



90° External Riser

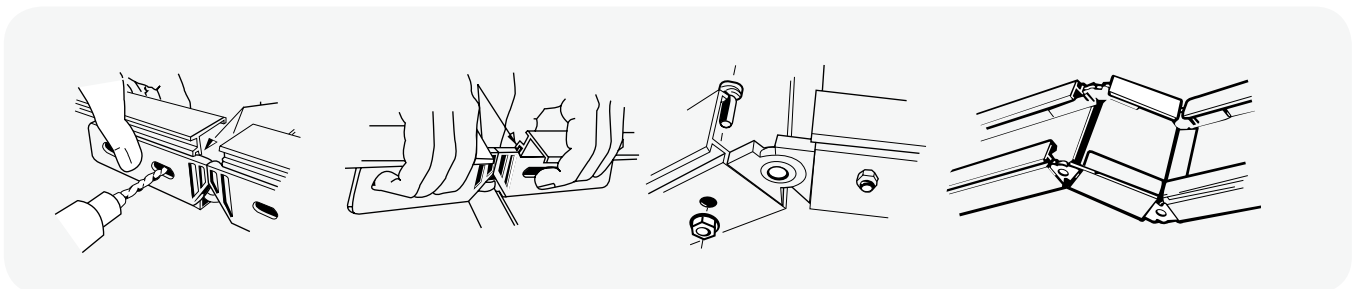
Ref	W (mm)	H (mm)	Cover Ref
MI505	50	50	MITC50
MI755	75	50	MITC75
MI1005	100	50	MITC100
MI1505	150	50	MITC150
MI1006	100	60	MIC100
MI1506	150	60	MIC150
MI2006	200	60	MIC200
MI3006	300	60	MIC300
MI4006	400	60	MIC400
MI30010	300	100	MIC310
MI40010	400	100	MIC400
MI50010	500	100	MIC500
MI60010	600	100	MIC600

Hinge

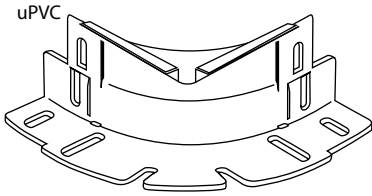


Application: To produce either convex or concave bends easily on site at any angle between 0° - 90°. This provides a versatile alternative to a pre-formed bend. Available on request.

Ref	W (mm)	H (mm)
MH60	240	41.5
MH100	290	73



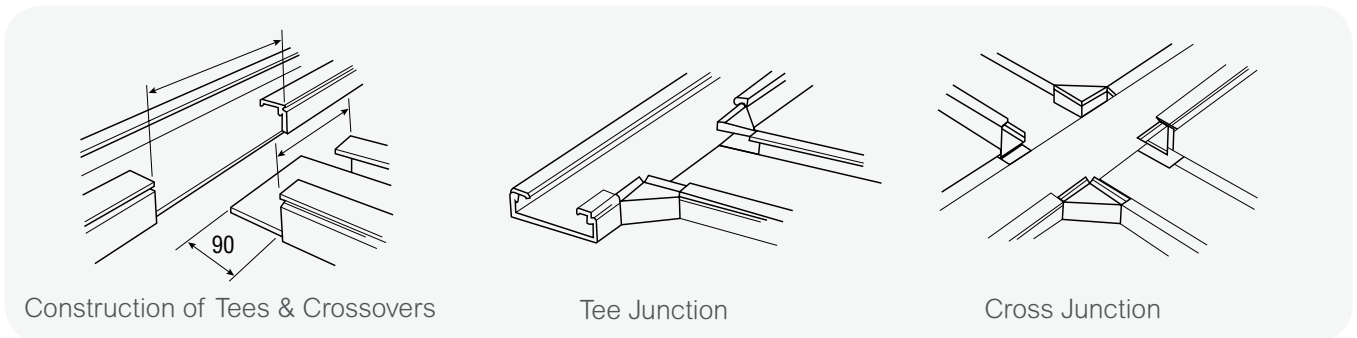
Tees & Crossovers



Tee Piece

Application: To produce either convex or concave bends on site at any angle between 0-90°. This provides a versatile alternative to a pre-formed bend. Also available on request.

Ref
MTT1

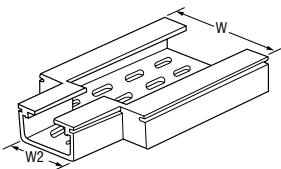


Construction of Tees & Crossovers

Tee Junction

Cross Junction

Reducer



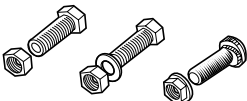
Straight Reducer

Ref	To reduce from
MR75-5	75
MR100-*	100
MR150-*	150
MR200-*	200
MR300-*	300
MR400-*	400
MR600-*	600

** Substitute with the first two digits of the size to be reduced to eg: MR300-20 for 300/200mm reducer

M R 3 0 0 - 2 0 0

Notes



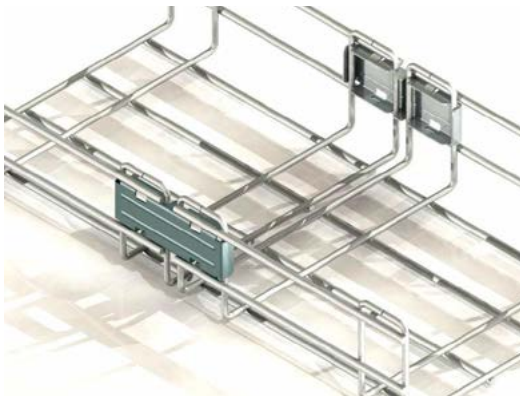
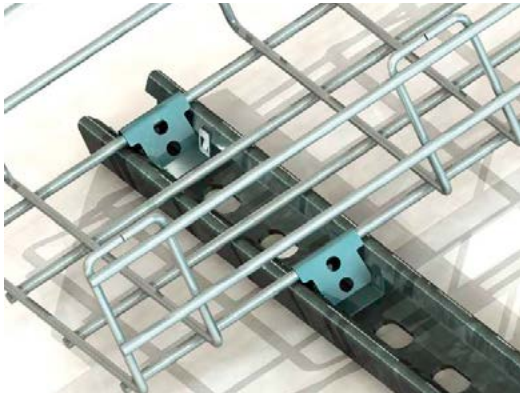
Screws & Nuts

M8 size are recommended
 NB: When fixing PVC tray it is satisfactory to use accessories of the same material. We recommend the use of steel screws when jointing PVC tray with other materials – See page 61

Supports – See Page 59

Note on Thermal Expansion
 uPVC is subject to thermal expansion and contraction, therefore, care should be taken to ensure that the tray is well supported along its length, and not rigidly fixed to any base or support structure.
 Any holes drilled in the tray for screw or bolt fixings should be well oversized to allow for movement due to temperature fluctuations and it is recommended that nylon washers be used under screw or bolt heads.
 A gap should be left between adjoining lengths to allow for expansion, 2-3mm will be sufficient for most needs but where extremes of temperature change are envisaged a gap of 6mm should be left.
 Coupling bolts should not be over tightened.

Performa Wire Cable Tray



Wire Cable Tray

Our Schneider Electric Cable Tray features a unique design based on a double transverse wire. This gives greater overall loading capacity, load carrying ability and a secure safety edge.

70mm Standard Depth offers greater carrying capacity and strength

Safety Edge: avoids damage to cables or installers

Quick Fit Couplers avoid the need for special tools

Fast Fix Brackets and Clips reduce installation time

Electro Zinc Steel Wires with 20 microns of zinc protection

Available in

Finishes		
Electro zinc, hot dip galvanised and stainless steel		
Depths		
35mm, 70mm and 105mm		

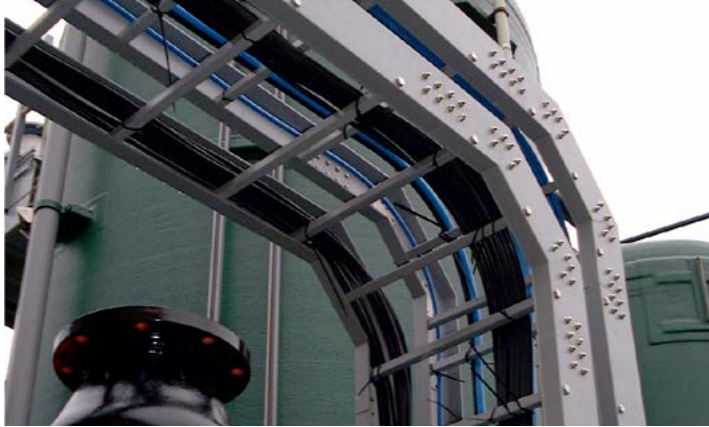


Full product information is available from the Wire Cable Trays Catalogue. Please contact the Customer Information Centre on 0870 608 8 608



Support Systems





Support Systems

TBC

TBC

More information:

Technical supplement available on request
Please contact the Customer Information
Centre on 0870 608 8 608

Fibastrut Support Channel	58
GRP Support Channel	59-63
Cantilever Arm Supports	64
GRP Instrument Stands	65-66
Supports	67

FIBASTRUT™ GRP Channel Support Systems

Selection & Ordering

Selection Information	Standard Product	Alternative Options
		Please specify any alternative options required, on enquiry
	Please contact us for details of any minimum manufacturing quantities, lead times and price premiums which may apply	
Material	Polyester Resin	Other resins available on request
Depth		
Length	3000mm 6000mm	
Width		GS1, GS3-6 only
Covers	Snap on	
Hole Diameter	Hole diameter on all fittings are M10 clearance. Other clearance hole sizes can be supplied to order. Fittings are shown in their typical application. There are many other situations where they can be used. GRP fittings suit all sections.	
Associated Products and Additional Information References	Page Number	
Technical Section	Separate technical guide is available on request	



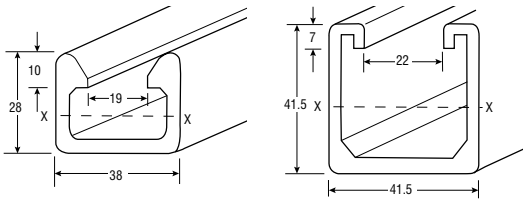
GRP SUPPORT CHANNEL & COVER

As well as being the perfect accompaniment to other Mita industrial support products, this range of Channel Support Systems is ideal for mounting other industrial service items such as pipework and ducting.

Fibastrut™ has high rigidity coupled with an excellent load bearing to weight ratio and of course is totally resistant to a wide range of corrosive agents. The Support Channel often forms the very backbone for an installation to which everything else is mounted. This assurance of strength and serviceability in harsh environments will come as a welcome message to those involved in the specification and installation of Channel Support Systems.

GS0 only accepts channel nut types SCN8, SCN10 (without springs) see page 61. Other types accept standard channel nuts.

Channels

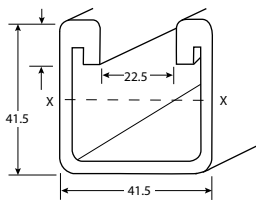


Light Duty Channel*

Ref	Dimensions (mm)	Weight (kg/m)	L (mm)
GS0	28 x 38	0.73	3000
GS1	41.5 x 41.5	0.82	3000

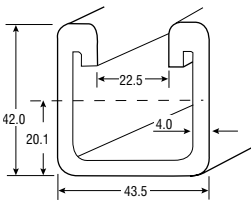
Recommended for light duty use for PVC applications

*Note: GS0 only accepts channel nut types SCN8, SCN10 (without springs)



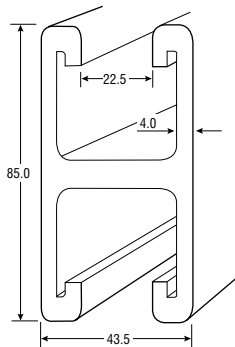
Standard Duty Channel

Ref	Dimensions (mm)	Weight (kg/m)	L (mm)
GS2	41.5 x 41.5	0.87	3000



Heavy Duty Channel

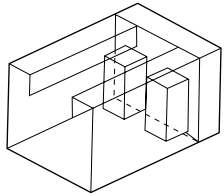
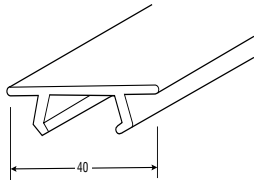
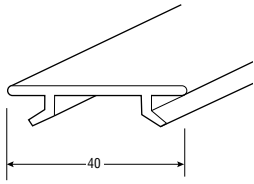
Ref	Dimensions (mm)	Weight (kg/m)	L (mm)
GS3	42.5 x 43.5	1.10	3000
GS3-6	42.5 x 43.5	1.10	6000



Extra Heavy Duty Channel*

Ref	Dimensions (mm)	Weight (kg/m)	L (mm)
GS3D	85 x 43.5		3000

Covers



PVC Cover Strip for Channel Profiles GS1, GS2

Ref	Dimensions (mm)	Weight (kg/m)
PSCS	40	0.07

PVC Cover Strip for Channel Profile GS0

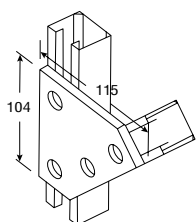
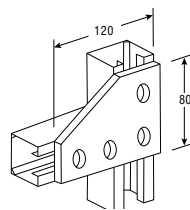
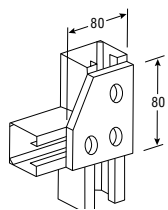
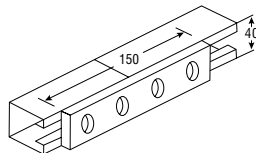
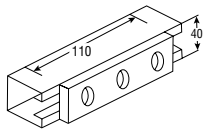
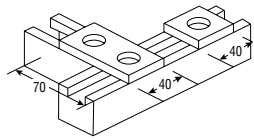
Ref	Dimensions (mm)	Weight (kg/m)
GSCS	40	0.41

For further details, please contact our Customer Information Centre on 0870 608 8 608

End Cap

Ref	Weight (g/m)
PEC1 For section GS1	10
Colour: White or Black	

GRP Plates



Plate

Ref	Dimensions (mm)
GSC1	8 x 40 x 40
GSC2	5 x 40 x 70
GSC1-3/NS	3 x 40 x 40

Plate

Ref	Dimensions (mm)
GSC3	5 x 40 x 110
GSC4	5 x 40 x 150

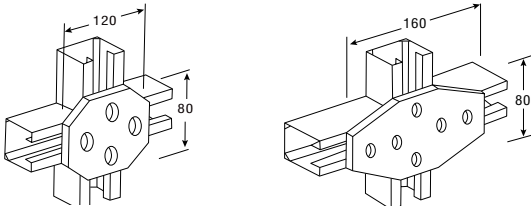
'L' Plate

Ref	Dimensions (mm)
GSL3	8 x 80 x 80
GSL4	8 x 80 x 120

'Y' Plate

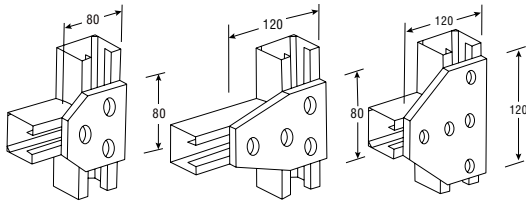
Ref	Dimensions (mm)
GSY4	5 x 104 x 115

GRP Plates



'X' Plate

Ref	Dimensions (mm)
GSX4	8 x 80 x 80
GSX6	8 x 80 x 200

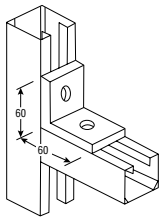


'T' Plate

Ref	Dimensions (mm)
GST3	8 x 80 x 80
GST4	8 x 80 x 120
GST5	5 x 120 x 120

For fasteners – see page 61

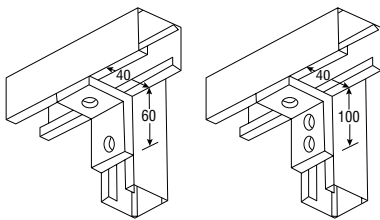
GRP Brackets



Angle Bracket

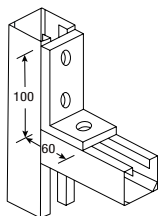
Ref	Dimensions (mm)
GS266	8 x 40 x 60/60

Horizontal strut to be supported at both ends.



Angle Bracket

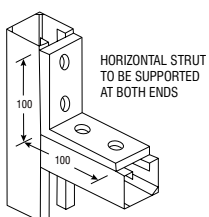
Ref	Dimensions (mm)
GS246	8 x 40 x 40/60
GS3410	8 x 40 x 40/100



Angle Bracket

Ref	Dimensions (mm)
GS3610	8 x 40 x 60/100

Horizontal strut to be supported at both ends.

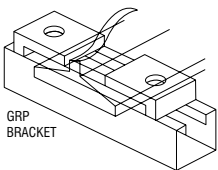
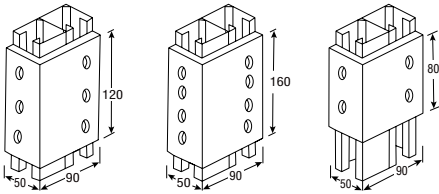
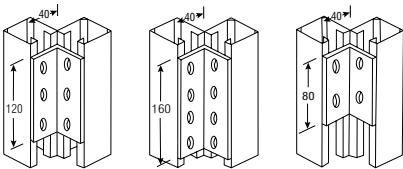
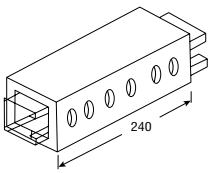
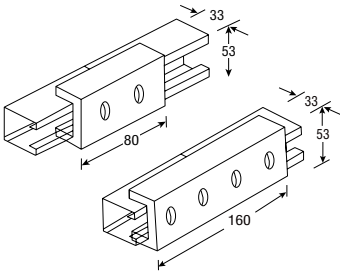


Angle Bracket

Ref	Dimensions (mm)
GS41010	8 x 40 x 100/100

Horizontal strut to be supported at both ends.

GRP Couplers



'U' Coupler

Ref	Dimensions (mm)
GSU2	53 x 33 x 80
GSU4	53 x 33 x 160

External Tube Connector
 Note: Can only be used with GS1 and GS2

'U' Coupler

Ref	Dimensions (mm)
GSB6	3.5 x 51/51 x 240

External Tube Connector
 Note: Can only be used with GS3

Corner Coupler (Internal)

Ref	Dimensions (mm)
GSIC4	5 x 40/40 x 80
GSIC6	5 x 40/40 x 120
GSIC8	5 x 40/40 x 180

Corner Coupler (External)

Ref	Dimensions (mm)
GSEC4	5 x 50/90 x 80
GSEC6	5 x 50/90 x 160
GSEC8	5 x 50/90 x 180

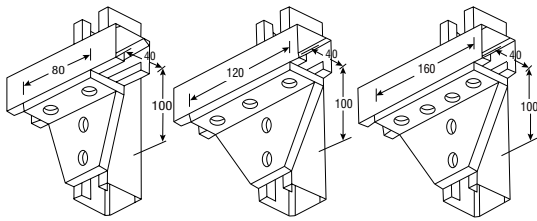
Hold Down Clamp

(Can be used as ladder hold down clamp)

Ref	Dimensions (mm)
GHDC-G	8 x 20/60 x 40

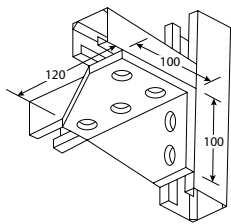
Please state flange thickness when ordering

GRP Supports



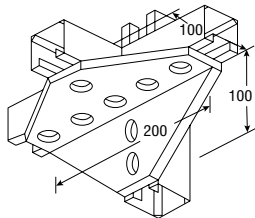
Angle Support

Ref	Dimensions (mm)
GS4410	8 x 80 x 40/100
GS5410	8 x 120 x 40/100
GS6410	8 x 160 x 40/100



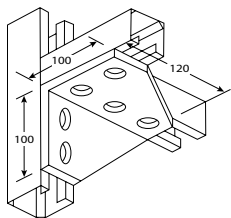
Left Hand Corner Support

Ref	Dimensions (mm)
GSCL6	8 x 100/100 x 120



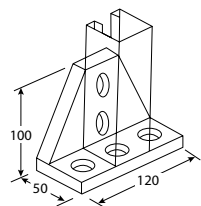
'X' Support

Ref	Dimensions (mm)
GSCX8	8 x 100/100 x 200



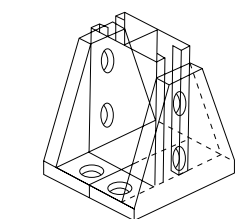
Right Angled Corner Support

Ref	Dimensions (mm)
GSCR6	8 x 100/100 x 120



Base Support

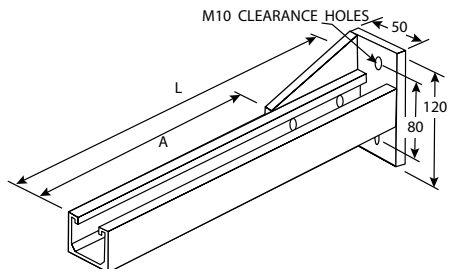
Ref	Dimensions (mm)
GSBS5	8 x 120 x 50/100



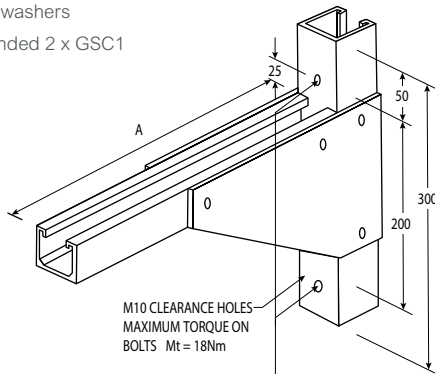
Base Support

Ref	Dimensions (mm)
GSBS52D	2 of GSBS5
For back to back section GS3D	

Cantilever Arm Supports



k
 Spreader washers
 recommended 2 x GSC1



Light Standard Duty GRP FIBSTRUT™

Ref	Dimensions		Weight (kg)
	A	L	
GSCA050	70	170	0.46
GSCA075	95	195	0.48
GSCA100	120	220	0.50
GSCA150	170	270	0.54
GSCA200	220	320	0.58
GSCA250	270	370	0.62
GSCA300	320	420	0.66
GSCA400	420	520	0.74
GSCA450	470	570	0.78

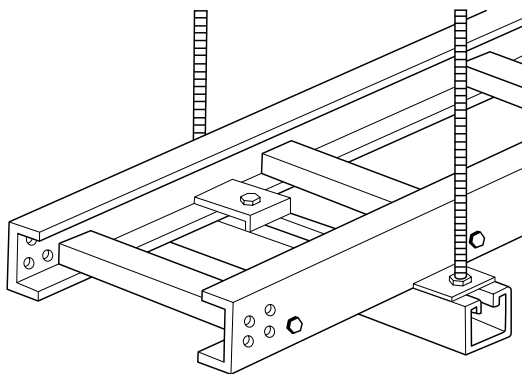
Recommended for tray only

Heavy Duty GRP FIBSTRUT™

Ref	Dimension A	Weight (kg)
GSCAH015	180	1.09
GSCAH020	230	1.22
GSCAH025	280	1.35
GSCAH030	330	1.47
GSCAH035	380	1.60
GSCAH040	430	1.73
GSCAH045	480	1.85
GSCAH050	530	1.98
GSCAH055	580	2.11
GSCAH060	630	2.23
GSCAH065	680	2.36
GSCAH075	780	2.62
GSCAH080	830	2.74
GSCAH090	930	3.00
GSCAH095	980	3.13
GSCAH100	1030	3.25
GSCAH105	1080	3.38

(Heavy Duty Supports can also be supplied as multi-tiers)

Trapeze Support



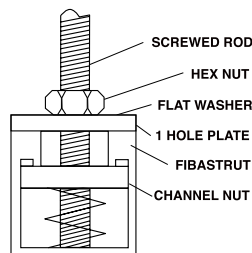
GS3 Fibastrut channel can be cut into pieces which are 25mm longer on each side than the tray or ladder itself (i.e. for a 300mm tray, the piece of strut will be 350mm wide).

A hole will be drilled in the base of this strut at each end at approximately 15mm centres (from the end).

A spring channel nut with the appropriate hole (M10 recommended) will be placed directly above each hole and threaded rod of this diameter then screwed through the holes and secured with appropriate nuts and extra large washers below the strut.

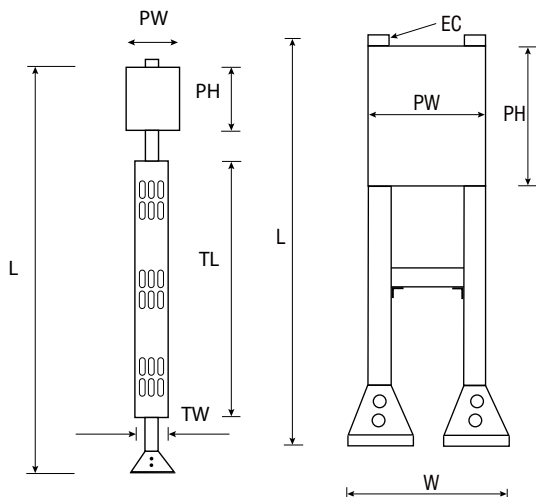
Note: GS1 strut is not recommended to support GRP tray or ladder, please see page 60 for PVC tray recommendations.

TRAPEZE SUPPORT



Fibastrut to be used as a suspension support GS3 is recommended as a as a suspension support for GRP cable trays or ladders

Mounting Stands



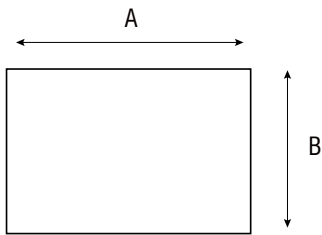
FIBASTRUT™ GRP Mounting Stands (inc specials) Ordering Information Required

Arrangement A	Arrangement B
Type of strut GS1, GS2 or GS3	Type of strut GS1, GS2 or GS3
L = Overall length (mm)	EC = End Cap
PH = Mounting plate height (mm) – GRP	L = Overall length (mm)
PW = Mounting plate width (mm) – GRP	PH = Mounting plate height (mm) – GRP
TW = Tray width (mm)	PW = Mounting plate width (mm) – GRP

Bespoke Instrument Stands

A full range of custom designed Mounting Stands are available. For further information, contact the Customer Information Centre on 0870 608 8608

Mounting Plates to go with Mounting Stands



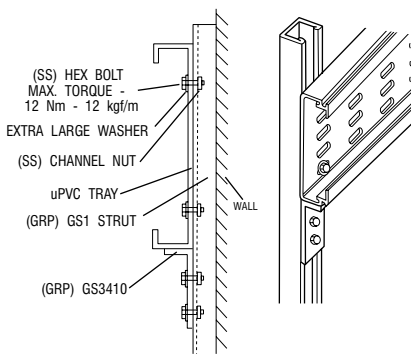
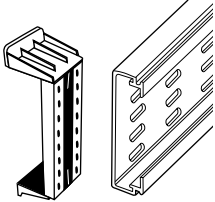
Mounting Plates (Thermoplastic material)

Ref	Dimensions (mm)
MSF1206/9	1200 x 600 x 9 thick
MSF1212/9	1200 x 1200 x 9 thick

Additional Mounting Feet

Ref	Page Number
GSBS5	55

Supports Methods for Mounting PVC Cable Tray



Vertical Support

To provide vertical support for PVC cable tray, either by wall mounting or rail mounting using MVB wall bracket

A full range of MVB Vertical Brackets are available which stand the tray away from a wall or other surface by 75mm

MVB Wall Bracket

Ref	Dimensions (mm)	Max. Load (kg) at 30°C
MVB50	50	200
MVB75	75	200
MVB100	100	200
MVB150	150	200
MVB200	200	200
MVB300	300	200
MVB400	400	200
MVB600	600	200

To provide vertical support for PVC Cable Tray using FIBASTRUT Support Channel

When mounting PVC cable tray vertically to Fibastrut, a GS3410 should be used, as illustrated, together with either a GSC1-3/NS 3mm GRP Plate or an extra large washer mounted between the bolt head and the tray base at each fixing point.

Horizontal Support

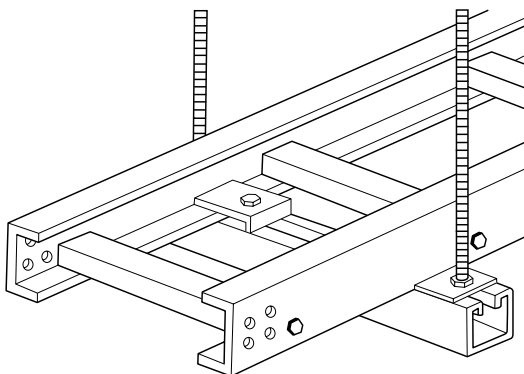
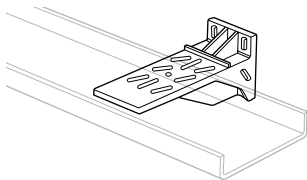
To provide horizontal support for cable tray by wall mounting

MHB Bracket

Ref	Tray Width (mm)	Material
MHB100	100	PVC
(MHB100 will suit sizes 50mm, 75mm and 100mm)		
MHB150	150	PVC
MHB200	200	PVC
MHB300	300	PVC
MHB400	400	PVC

For 600mm tray, use GSCA HO60. See page 56

For maximum safe working loads, please refer to the Technical Guide.



GS1 Fibastrut Channel

Suspension Mounting of PVC Trays

A full range of MSB suspension brackets.

See MVB wall bracket range on page 59.

Fibastrut channel can be cut into pieces which are 25mm longer on each side than the tray width itself (i.e. for a 150mm wide tray the piece of strut will be 200mm wide).

A hole will be drilled in the base of this strut at each end at approximately 15mm centres (from the end). A channel nut with the appropriate size hole (M10 recommended) will be placed directly above each hole and threaded rod of this diameter then screwed through the holes and secured with appropriate nuts and extra large washers above the strut.
















See Technical Guide for loading information

NOTE: GS1 Fibastrut is only recommended to support PVC tray

Support Systems

Fastener Selection Chart

SS316 / GRYLON / NYLON / PVC – Fasteners for Strut / Tray / Troughing / Ladder Systems

		Material	Length mm	Thread Size & Reference Numbers				Remarks
				M6	M8	M10	M12	
	Channel Nut	PVC			GZ18	GZ110		For light duty applications in Fibastrut GS1 only
	Spring Nut	SS316		SZ6	SZ8	SZ10	SZ12	For higher duty applications in Fibastrut
	Hexagonal Nut	SS316		MSS6N	MSS8N	MSS10N		For all applications
		Grylon			MG8N	MG10N		
		Nylon		MN6N	MN8N	MN10N		
		Zinc			M8FHNZP			
	Round Washer	SS316		W6SS	W8SS	W10SS		
		Nylon			W8N			
		Zinc			M8RFWZP			
	Spreader Washer	GRP			GSC1 Thread size and reference numbers- Not applicable			Spreader washer for Trapeze supports and Heavy Duty Cantilevers
	Crinkle Washer	SS316		SCW6S	SCW8S	SCW10S		For higher security applications
	Spring Washer	Zinc			M8SPWZP			
	Channel Nut	SS316		SCN6	SCN8	SCN10	SCN12	For heavy duty applications in Fibastrut
	Coach Bolt	SS316	60		CBSS860			
		Grylon			CBG860			
	Hexagonal Bolt	SS316	20	MSS6B	MSS8B			
		Grylon	25		MG8B	MG10B		
		Nylon	20	MN6B	MN8B	MN10B		
		Zinc	30		M830HBZP			
	Pan Head Bolts	SS316	20		MSS820BP			
		Zinc	30		M830HBZP			
		Nylon	20		MN820BP			
			25		MN825BP			
	Hex Bolt, Nut & Washer (except)	SS316	20	MSS6	MSS8	MSS10		No washer required for PVC, Grylon and Nylon
		PVC			MSP8			
		Grylon	25		MG8	MG10		
		Nylon		MN6	MN8	MN10		
	Screwed Rod	SS316	1m			SSR10100		In Stainless Steel for heavy duty
			3m			SSR10300		
		Nylon	1m				NSR10100	
	Tee Bolt for					GZT10		Includes M10 threaded 30mm long shaft to accept MG10N nut. Suits all Fibastrut profiles GS0, GS1, GS2, GS3D
	Tee Bolt for	PVC	20		MST8			The T-Bolt is designed for applications where space behind the cable tray is restricted. The bolt can be inserted lengthways in the slot from the front surface and will twist and lock through 45°. This leaves the thread protruding through the front face of the tray.



Index

Product Index

Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page
GAA1000	11	GAR6045	11	GMEN750	8	GRA1045110	28	GRE2045	30
GAA1045	11	GAR7560	11	GMEN7545	8	GRA10456	28	GRE2045110	30
GAA150	11	GAR9075	11	GMEN900	8	GRA150110	28	GRE300110	29
GAA1545	11	GARL1060	11	GMEN9045	8	GRA150210	28	GRE3006	29
GAA200	11	GARL1075	11	GMIN150	8	GRA150210	28	GRE3006	29
GAA2045	11	GARL3015	11	GMIN1545	8	GRA1506	28	GRE3045	30
GAA300	11	GARL4015	11	GMIN200	8	GRA1545110	28	GRE3045110	30
GAA3045	11	GARL4030	11	GMIN2045	8	GRA15456	28	GRE400100	29
GAA400	11	GARL4530	11	GMIN300	8	GRA200110	28	GRE4045110	30
GAA4045	11	GARL6030	11	GMIN3045	8	GRA2006	28	GREC100	29
GAA450	11	GARL6045	11	GMIN400	8	GRA2045110	28	GREC100	29
GAA4545	11	GARL7560	11	GMIN4045	8	GRA20456	28	GREC1045	30
GAA600	11	GARL9075	11	GMIN450	8	GRA300110	28	GREC1045	30
GAA6045	11	GARR1060	11	GMIN4545	8	GRA3006	28	GREC150	29
GAA750	11	GARR1075	11	GMIN600	8	GRA3045110	28	GREC150	29
GAA7545	11	GARR3015	11	GMIN6045	8	GRA30456	28	GREC150	29
GAA900	11	GARR4015	11	GMIN750	8	GRA400110	28	GREC1545	30
GAA9045	11	GARR4030	11	GMIN7545	8	GRA4045110	28	GREC1545	30
GAE1000	12	GARR4530	11	GMIN900	8	GRAC100	28	GREC1545	30
GAE1045	12	GARR6030	11	GMIN9045	8	GRAC100	28	GREC200	29
GAE150	12	GARR6045	11	GMLN150	6	GRAC1045	28	GREC200	29
GAE1545	12	GARR7560	11	GMLN200	6	GRAC1045	28	GREC2045	30
GAE200	12	GARR9075	11	GMLN300	6	GRAC150	28	GREC2045	30
GAE2045	12	GAT1000	13	GMLN400	6	GRAC150	28	GREC300	29
GAE300	12	GAT150	13	GMLN450	6	GRAC150	28	GREC300	29
GAE3045	12	GAT200	13	GMLN600	6	GRAC1545	28	GREC3045	30
GAE400	12	GAT300	13	GMLN750	6	GRAC1545	28	GREC3045	30
GAE4045	12	GAT400	13	GMLN900	6	GRAC1545	28	GREC400	29
GAE450	12	GAT450	13	GMLN3015	7	GRAC200	28	GREC4045	30
GAE4545	12	GAT600	13	GMLN4015	7	GRAC200	28	GRECN50	29
GAE600	12	GAT750	13	GMLN4030	7	GRAC2045	28	GRECN50	30
GAE6045	12	GAT900	13	GMLN4530	7	GRAC2045	28	GRECN75	29
GAE750	12	GAX1000	13	GMLN6030	7	GRAC300	28	GRECN75	30
GAE7545	12	GAX150	13	GMLN6045	7	GRAC300	28	GREN50455	30
GAE900	12	GAX200	13	GMLN7560	7	GRAC3045	28	GREN505	29
GAE9045	12	GAX300	13	GMLN9075	7	GRAC3045	28	GREN75455	30
GAI1000	12	GAX400	13	GMRN3015	7	GRAC400	28	GREN755	29
GAI1045	12	GAX450	13	GMRN4015	7	GRAC4045	28	GRI100110	29
GAI150	12	GAX600	13	GMRN4030	7	GRACN50	28	GRI1006	29
GAI1545	12	GAX750	13	GMRN4530	7	GRACN50	28	GRI1045	30
GAI200	12	GAX900	13	GMRN6030	7	GRACN75	28	GRI1045110	30
GAI2045	12	GHDC-G	62	GMRN6045	7	GRACN75	28	GRI150110	29
GAI300	12	GMAN150	7	GMRN7560	7	GRAN50455	28	GRI150210	29
GAI3045	12	GMAN1545	7	GMRN9075	7	GRAN505	28	GRI1545	30
GAI400	12	GMAN200	7	GMRRN3015	7	GRAN75455	28	GRI1545110	30
GAI4045	12	GMAN2045	7	GMRRN4015	7	GRAN755	28	GRI1545210	30
GAI450	12	GMAN300	7	GMRRN4030	7	GRC100	26	GRI200110	29
GAI4545	12	GMAN3045	7	GMRRN4530	7	GRC100	27	GRI2006	29
GAI600	12	GMAN400	7	GMRRN6030	7	GRC150	26	GRI2045	30
GAI6045	12	GMAN4045	7	GMRRN6045	7	GRC150	27	GRI2045110	30
GAI750	12	GMAN450	7	GMRRN7560	7	GRC200	26	GRI300110	29
GAI7545	12	GMAN4545	7	GMRRN9075	7	GRC200	27	GRI3006	29
GAI900	12	GMAN600	7	GMTN150	9	GRC300	26	GRI3006	29
GAI9045	12	GMAN6045	7	GMTN200	9	GRC300	27	GRI3045	30
GAL1000	10	GMAN750	7	GMTN300	9	GRC400	27	GRI3045110	30
GAL150	10	GMAN7545	7	GMTN400	9	GRCN150	27	GRI400110	29
GAL200	10	GMAN900	7	GMTN450	9	GRCN50	26	GRI4045110	30
GAL300	10	GMAN9045	7	GMTN600	9	GRCN75	26	GRIC100	29
GAL400	10	GMEN150	8	GMTN750	9	GRD1	27	GRIC100	29
GAL450	10	GMEN1545	8	GMTN900	9	GRE100110	29	GRIC1045	30
GAL600	10	GMEN200	8	GMTN150	9	GRE1006	29	GRIC1045	30
GAL750	10	GMEN2045	8	GMXN200	9	GRE1045	30	GRIC150	29
GAL900	10	GMEN300	8	GMXN300	9	GRE1045110	30	GRIC150	29
GAR1060	11	GMEN3045	8	GMXN400	9	GRE150110	29	GRIC150	29
GAR1075	11	GMEN400	8	GMXN450	9	GRE150210	29	GRIC1545	30
GAR3015	11	GMEN4045	8	GMXN600	9	GRE1545	30	GRIC1545	30
GAR4015	11	GMEN450	8	GMXN750	9	GRE1545110	30	GRIC1545	30
GAR4030	11	GMEN4545	8	GMXN900	9	GRE1545210	30	GRIC200	29
GAR4530	11	GMEN600	8	GRA100110	28	GRE200110	29	GRIC200	29
GAR6030	11	GMEN6045	8	GRA1006	28	GRE2006	29	GRIC2045	30

Product Index

Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page
GRIC2045	30	GSC1-3/NS	60	GXA200	41	GXI1545	42	GXRL4015	40
GRIC300	29	GSC2	60	GXA2045	15	GXI200	16	GXRL4030	15
GRIC300	29	GSC3	60	GXA2045	41	GXI200	42	GXRL4030	40
GRIC3045	30	GSC4	60	GXA300	15	GXI2045	16	GXRL4530	15
GRIC3045	30	GSCA050	64	GXA300	41	GXI2045	42	GXRL4530	40
GRIC400	29	GSCA075	64	GXA3045	15	GXI300	16	GXRL6030	15
GRIC4045	30	GSCA100	64	GXA3045	41	GXI300	42	GXRL6030	40
GRICN50	29	GSCA150	64	GXA400	15	GXI3045	16	GXRL6045	15
GRICN50	30	GSCA200	64	GXA400	41	GXI3045	42	GXRL6045	40
GRICN75	29	GSCA250	64	GXA4045	15	GXI400	16	GXRL7560	15
GRICN75	30	GSCA300	64	GXA4045	41	GXI400	42	GXRL7560	40
GRIN50455	30	GSCA400	64	GXA450	15	GXI4045	16	GXRL9075	15
GRIN505	29	GSCA450	64	GXA450	41	GXI4045	42	GXRL9075	40
GRIN75455	30	GSCAH015	64	GXA4545	15	GXI450	16	GXRR1075	15
GRIN755	29	GSCAH020	64	GXA4545	41	GXI450	42	GXRR1075	41
GRP100110	27	GSCAH025	64	GXA600	15	GXI4545	16	GXRR3015	15
GRP1006	26	GSCAH030	64	GXA600	41	GXI4545	42	GXRR3015	41
GRP150110	27	GSCAH035	64	GXA6045	15	GXI600	16	GXRR4015	15
GRP150210	27	GSCAH040	64	GXA6045	41	GXI600	42	GXRR4015	41
GRP1506	26	GSCAH045	64	GXA750	15	GXI6045	16	GXRR4030	15
GRP200110	27	GSCAH050	64	GXA750	41	GXI6045	42	GXRR4030	41
GRP2006	26	GSCAH055	64	GXA7545	15	GXI750	16	GXRR4530	15
GRP300110	27	GSCAH060	64	GXA7545	41	GXI750	42	GXRR4530	41
GRP3006	26	GSCAH065	64	GXA900	15	GXI7545	16	GXRR6030	15
GRP400110	27	GSCAH075	64	GXA900	41	GXI7545	42	GXRR6030	41
GRPN505	26	GSCAH080	64	GXA9045	15	GXI900	16	GXRR6045	15
GRPN755	26	GSCAH090	64	GXA9045	41	GXI900	42	GXRR6045	41
GRT100	31	GSCAH095	64	GXE1000	16	GXI9045	16	GXRR7560	15
GRT100110	31	GSCAH100	64	GXE1000	42	GXI9045	42	GXRR7560	41
GRT150	31	GSCAH105	64	GXE1045	16	GXL1000	14	GXRR9075	15
GRT150110	31	GSCCL6	63	GXE1045	42	GXL1000	40	GXRR9075	41
GRT150210	31	GSCR6	63	GXE150	16	GXL150	14	GXT1000	17
GRT200	31	GSCS	60	GXE150	42	GXL150	40	GXT1000	43
GRT200110	31	GSCX8	63	GXE1545	16	GXL200	14	GXT150	17
GRT300	31	GSEC4	62	GXE1545	42	GXL200	40	GXT150	43
GRT300110	31	GSEC6	62	GXE200	16	GXL300	14	GXT200	17
GRT400110	31	GSEC8	62	GXE200	42	GXL300	40	GXT200	43
GRTC100	31	GSIC4	62	GXE2045	16	GXL400	14	GXT300	17
GRTC100	31	GSIC6	62	GXE2045	42	GXL400	40	GXT300	43
GRTC150	31	GSIC8	62	GXE300	16	GXL450	14	GXT400	17
GRTC150	31	GSL3	60	GXE300	42	GXL450	40	GXT400	43
GRTC150	31	GSL4	60	GXE3045	16	GXL600	14	GXT450	17
GRTC200	31	GSP100110	27	GXE3045	42	GXL600	40	GXT450	43
GRTC200	31	GSP1006	26	GXE400	16	GXL750	14	GXT600	17
GRTC300	31	GSP150110	27	GXE400	42	GXL750	40	GXT600	43
GRTC300	31	GSP1506	26	GXE4045	16	GXL900	14	GXT750	17
GRTC400	31	GSP200110	27	GXE4045	42	GXL900	40	GXT750	43
GRTC50	31	GSP2006	26	GXE450	16	GXR1075	15	GXT900	17
GRTC50	31	GSP300110	27	GXE450	42	GXR1075	40	GXT900	43
GRTC75	31	GSP3006	26	GXE4545	16	GXR3015	15	GXX1000	17
GRTN505	31	GSP400110	27	GXE4545	42	GXR3015	40	GXX1000	43
GRTN755	31	GSPN505	26	GXE600	16	GXR4015	15	GXX150	17
GS0	59	GSPN755	26	GXE600	42	GXR4015	40	GXX150	43
GS1	59	GST3	61	GXE6045	16	GXR4030	15	GXX200	17
GS2	59	GST4	61	GXE6045	42	GXR4030	40	GXX200	43
GS246	61	GST5	61	GXE750	16	GXR4530	15	GXX300	17
GS266	61	GSU2	62	GXE750	42	GXR4530	40	GXX300	43
GS3	59	GSU4	62	GXE7545	16	GXR6030	15	GXX400	17
GS3-6	59	GSX4	61	GXE7545	42	GXR6030	40	GXX400	43
GS3410	61	GSX6	61	GXE900	16	GXR6045	15	GXX450	17
GS3610	61	GSY4	60	GXE900	42	GXR6045	40	GXX450	43
GS3D	59	GXA1000	15	GXE9045	16	GXR7560	15	GXX600	17
GS41010	61	GXA1000	41	GXE9045	42	GXR7560	40	GXX600	43
GS4410	63	GXA1045	15	GXI1000	16	GXR9075	15	GXX750	17
GS5410	63	GXA1045	41	GXI1000	42	GXR9075	40	GXX750	43
GS6410	63	GXA150	15	GXI1045	16	GXRL1075	15	GXX900	17
GSB6	62	GXA150	41	GXI1045	42	GXRL1075	40	GXX900	43
GSBS5	63	GXA1545	15	GXI150	16	GXRL3015	15	LT100-2	50
GSBS5	65	GXA1545	41	GXI150	42	GXRL3015	40	LT150-2	50
GSBS52D	63	GXA200	15	GXI1545	16	GXRL4015	15	LT200-2	50
GSC1	60								

Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page
LT300-2	50	METC75	53	MVB100	66				
LT50-2	50	MH100	53	MVB150	66				
LT75-2	50	MH60	53	MVB200	66				
MA100-5	52	MHB100	66	MVB300	66				
MA100-6	52	MHB150	66	MVB400	66				
MA150-5	52	MHB200	66	MVB500	66				
MA150-6	52	MHB300	66	MVB600	66				
MA200-6	52	MHB400	66	MVB75	66				
MA300-10	52	MI1005	53	PSCS	60				
MA300-6	52	MI1006	53						
MA400-10	52	MI1505	53						
MA400-6	52	MI1506	53						
MA50-5	52	MI2006	53						
MA500-10	52	MI30010	53						
MA600-10	52	MI3006	53						
MA75-5	52	MI40010	53						
MAC100	52	MI4006	53						
MAC150	52	MI50010	53						
MAC200	52	MI505	53						
MAC300	52	MI60010	53						
MAC310	52	MI755	53						
MAC400	52	MIC100	53						
MAC400	52	MIC150	53						
MAC500	52	MIC200	53						
MAC600	52	MIC300	53						
MATC100	52	MIC310	53						
MATC150	52	MIC400	53						
MATC50	52	MIC400	53						
MATC75	52	MIC500	53						
MC100	51	MIC600	53						
MC150	51	MITC100	53						
MC200	51	MITC150	53						
MC300	51	MITC50	53						
MC310	51	MITC75	53						
MC400	51	MR100-*	54						
MC400	51	MR150-*	54						
MC500	51	MR200-*	54						
MC600	51	MR300-*	54						
MCC100	51	MR400-*	54						
MCC100	51	MR600-*	54						
MCC50	51	MR75-5	54						
MCC60	51	MSF1206/9	65						
MCCT	51	MSF1212/9	65						
MCCT-A	52	MT100-5	51						
MCCT-B	52	MT100-5	51						
MCCT-C	52	MT100-6	51						
MCCT-D	52	MT100-6	51						
MD100	51	MT150-5	51						
MD60	51	MT150-5	51						
ME1005	53	MT150-6	51						
ME1006	53	MT150-6	51						
ME1505	53	MT200-6	51						
ME1506	53	MT200-6	51						
ME2006	53	MT300-10	51						
ME30010	53	MT300-10	51						
ME3006	53	MT300-6	51						
ME40010	53	MT300-6	51						
ME4006	53	MT400-10	51						
ME50010	53	MT400-10	51						
ME505	53	MT400-6	51						
ME60010	53	MT400-6	51						
ME755	53	MT50-5	51						
MEC100	53	MT50-5	51						
MEC150	53	MT500-10	51						
MEC200	53	MT500-10	51						
MEC300	53	MT600-10	51						
MEC310	53	MT600-10	51						
MEC400	53	MT75-5	51						
MEC410	53	MT75-5	51						
MEC500	53	MTC100	51						
MEC600	53	MTC150	51						
METC100	53	MTC50	51						
METC150	53	MTC75	51						
METC50	53	MTT1	54						

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