

Industrial Cable Support Solutions

Mita Cable Management

Schneider
Electric

Cable Containment for Harsh Environments

Corrosion Resistant Composite Technology

Schneider Electric's Mita range 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.

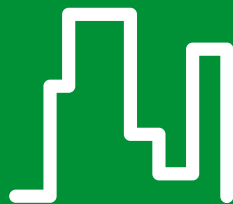
Schneider Electric's years of experience and research facilities, in addition to computer aided design and manufacture and distribution networks, provide backup and support throughout the world.



Industry



Energy &
Infrastructure



Buildings

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

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

GRP Cable Ladder



Range Selection Chart **6**

GRP Ladder and Fittings

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Couplers and Fasteners **26-27**

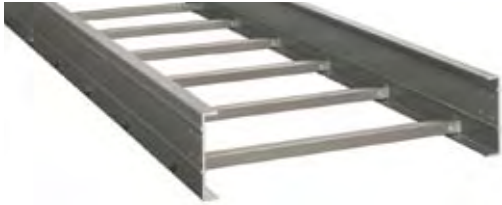


GMLN

Depth: 100mm

Profile: "C" section

see pages 6-9



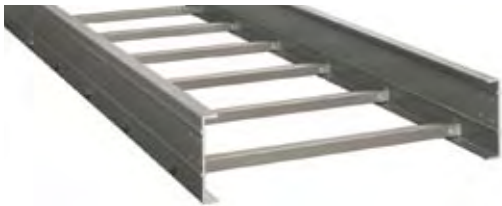
GNLN

Depth: 150mm

Profile: "C" section

Heavy Duty

see pages 10-13



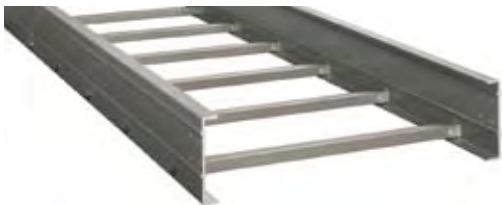
GHL

Depth: 135mm

Profile: "E" section

Heavy Duty

see pages 14-17



GAL

Depth: 150mm

Profile: "E" section

Heavy Duty

see pages 18-21



GXL

Depth: 150mm

Profile: "Z" section

Heavy Duty

see pages 22-25

Bespoke options

inc GH Series GRP Ladder,

GML - 100mm with strut rungs

GNL - 150mm with strut rungs

Contact the Customer Information Centre on 0870 608 8 608 for further details.

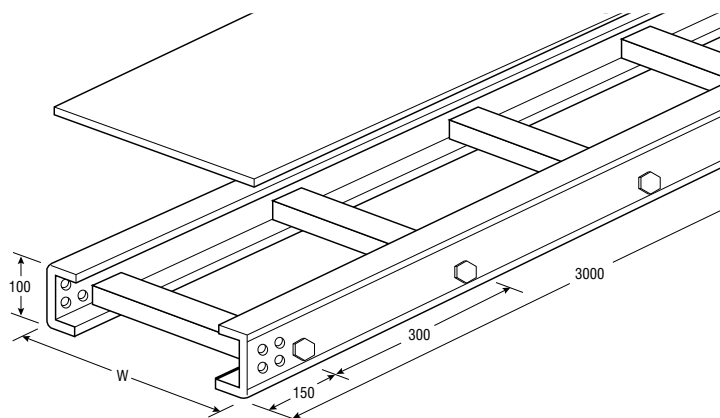
GMLN Series GRP Ladder

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	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	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	All radii available
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

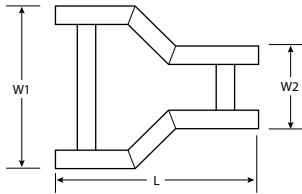
Ladder



GMLN GRP Cable Ladder

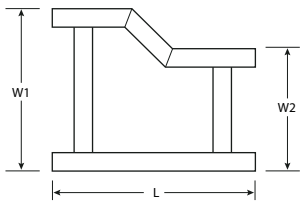
Ref	W (mm)	D (mm)	L (mm)	Cover Ref
GMLN150	150	100	3000	GCL150
GMLN200	200	100	3000	GCL200
GMLN300	300	100	3000	GCL300
GMLN400	400	100	3000	GCL400
GMLN450	450	100	3000	GCL450
GMLN600	600	100	3000	GCL600
GMLN750	750	100	3000	GCL750
GMLN900	900	100	3000	GCL900

Reducers



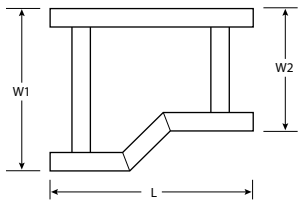
Reducer Straight

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

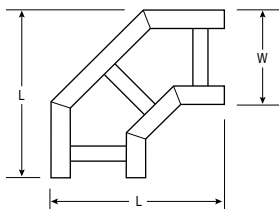
Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GMRLN3015	300	150	530	GCRL3015
GMRLN4015	400	150	630	GCRL4015
GMRLN4030	400	300	480	GCRL4030
GMRLN4530	450	300	530	GCRL4530
GMRLN6030	600	300	680	GCRL6030
GMRLN6045	600	450	530	GCRL6045
GMRLN7560	750	600	530	GCRL7560
GMRLN9075	900	750	530	GCRL9075



Reducer R/Hand

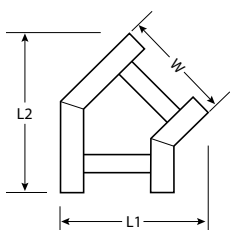
Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GMRRN3015	300	150	530	GCRR3015
GMRRN4015	400	150	630	GCRR4015
GMRRN4030	400	300	480	GCRR4030
GMRRN4530	450	300	530	GCRR4530
GMRRN6030	600	300	680	GCRR6030
GMRRN6045	600	450	530	GCRR6045
GMRRN7560	750	600	530	GCRR7560
GMRRN9075	900	750	530	GCRR9075

Bends



90° Flat Bend

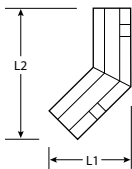
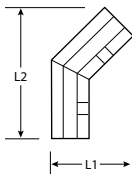
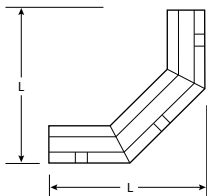
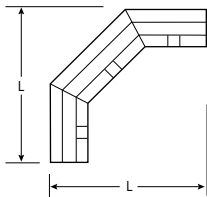
Ref	W1 (mm)	L (mm)	Cover Ref
GMAN150	150	525	GCA150
GMAN200	200	575	GCA200
GMAN300	300	675	GCA300
GMAN400	400	775	GCA400
GMAN450	450	825	GCA450
GMAN600	600	975	GCA600
GMAN750	750	1125	GCA750
GMAN900	900	1275	GCA900



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

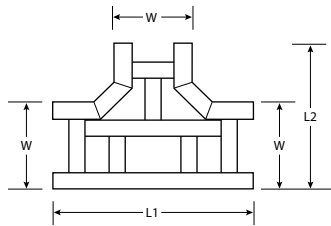
External 45° Riser

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

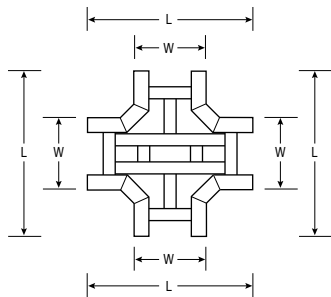
Tees & Crossovers



rung configuration will change with width

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



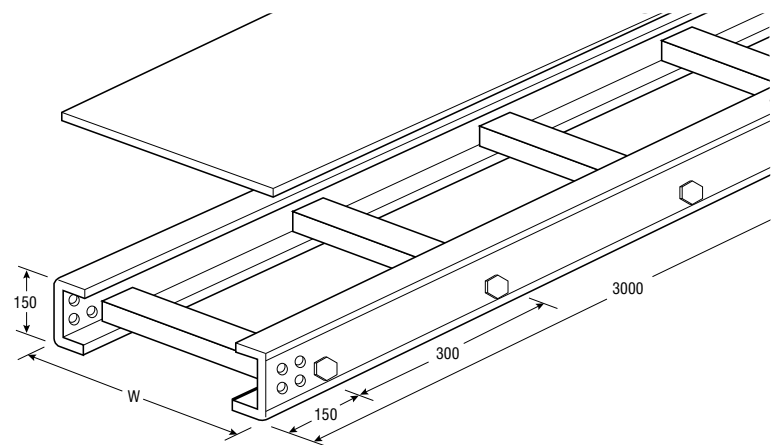
rung configuration will change with width

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

GNLN Series GRP Ladder		
Selection & Ordering		
GNLN 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	150-900mm	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	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	All radii available
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		

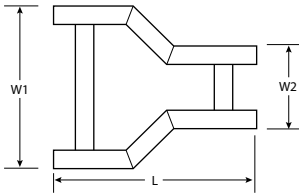
Ladder



GNLN Heavy Duty GRP Cable Ladder

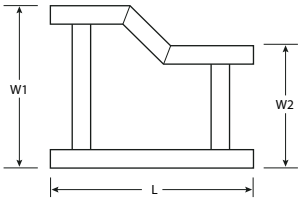
Ref	W (mm)	D (mm)	L (mm)	Cover Ref
GNLN150	150	150	3000	GCL150
GNLN200	200	150	3000	GCL200
GNLN300	300	150	3000	GCL300
GNLN400	400	150	3000	GCL400
GNLN450	450	150	3000	GCL450
GNLN600	600	150	3000	GCL600
GNLN750	750	150	3000	GCL750
GNLN900	900	150	3000	GCL900

Reducers



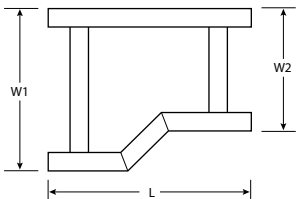
Reducer Straight

Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GNRN3015	300	150	475	GCR3015
GNRN4015	400	150	525	GCR4015
GNRN4030	400	300	450	GCR4030
GNRN4530	450	300	475	GCR4530
GNRN6030	600	300	550	GCR6030
GNRN6045	600	450	475	GCR6045
GNRN7560	750	600	475	GCR7560
GNRN9075	900	750	475	GCR9075



Reducer L/Hand

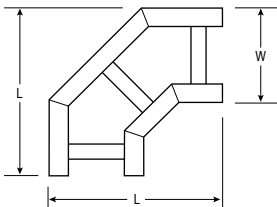
Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GNRLN3015	300	150	550	GCRL3015
GNRLN4015	400	150	650	GCRL4015
GNRLN4030	400	300	500	GCRL4030
GNRLN4530	450	300	550	GCRL4530
GNRLN6030	600	300	700	GCRL6030
GNRLN6045	600	450	550	GCRL6045
GNRLN7560	750	600	550	GCRL7560
GNRLN9075	900	750	550	GCRL9075



Reducer R/Hand

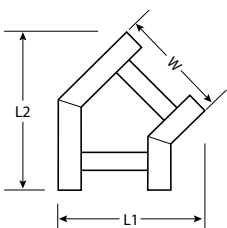
Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GNRRN3015	300	150	550	GCRR3015
GNRRN4015	400	150	650	GCRR4015
GNRRN4030	400	300	500	GCRR4030
GNRRN4530	450	300	550	GCRR4530
GNRRN6030	600	300	700	GCRR6030
GNRRN6045	600	450	550	GCRR6045
GNRRN7560	750	600	550	GCRR7560
GNRRN9075	900	750	550	GCRR9075

Bends



90° Flat Bend

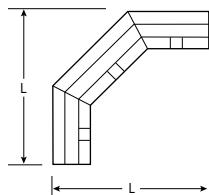
Ref	W1 (mm)	L (mm)	Cover Ref
GNAN150	150	525	GCA150
GNAN200	200	575	GCA200
GNAN300	300	675	GCA300
GNAN400	400	775	GCA400
GNAN450	450	825	GCA450
GNAN600	600	975	GCA600
GNAN750	750	1125	GCA750
GNAN900	900	1275	GCA900



45° Flat Bend

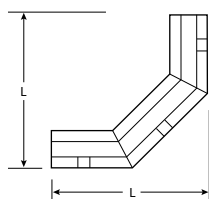
Ref	W (mm)	L1 (mm)	L2 (mm)	Cover Ref
GNAN1545	150	292	437	GCA1545
GNAN2045	200	342	472	GCA2045
GNAN3045	300	442	542	GCA3045
GNAN4045	400	542	614	GCA4045
GNAN4545	450	592	649	GCA4545
GNAN6045	600	742	755	GCA6045
GNAN7545	750	892	861	GCA7545
GNAN9045	900	1042	968	GCA9045

Risers



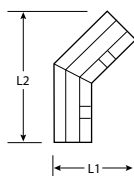
External 90° Riser

Ref	W (mm)	L (mm)	Cover Ref
GNEN150	150	517	GCE150
GNEN200	200	517	GCE200
GNEN300	300	517	GCE300
GNEN400	400	517	GCE400
GNEN450	450	517	GCE450
GNEN600	600	517	GCE600
GNEN750	750	517	GCE750
GNEN900	900	517	GCE900



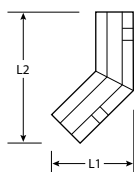
Internal 90° Riser

Ref	W (mm)	L (mm)	Cover Ref
GNIN150	150	517	GCI150
GNIN200	200	517	GCI200
GNIN300	300	517	GCI300
GNIN400	400	517	GCI400
GNIN450	450	517	GCI450
GNIN600	600	517	GCI600
GNIN750	750	517	GCI750
GNIN900	900	517	GCI900



External 45° Riser

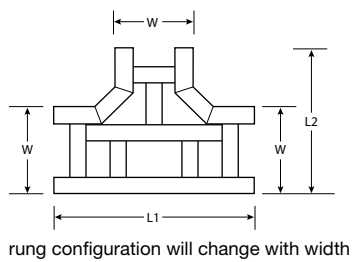
Ref	W1 (mm)	L1 (mm)	L2 (mm)	Cover Ref
GNEN1545	150	284	428	GCE1545
GNEN2045	200	284	428	GCE2045
GNEN3045	300	284	428	GCE3045
GNEN4045	400	284	428	GCE4045
GNEN4545	450	284	428	GCE4545
GNEN6045	600	284	428	GCE6045
GNEN7545	750	284	428	GCE7545
GNEN9045	900	284	428	GCE9045



Internal 45° Riser

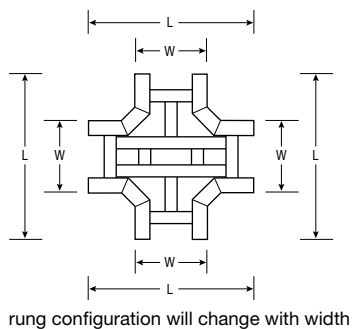
Ref	W1 (mm)	L1 (mm)	L2 (mm)	Cover Ref
GNIN1545	150	284	428	GCI1545
GNIN2045	200	284	428	GCI2045
GNIN3045	300	284	428	GCI3045
GNIN4045	400	284	428	GCI4045
GNIN4545	450	284	428	GCI4545
GNIN6045	600	284	428	GCI6045
GNIN7545	750	284	428	GCI7545
GNIN9045	900	284	428	GCI9045

Tees & Crossovers



Equal Tee

Ref	W (mm)	L1 (mm)	L2 (mm)	Cover Ref
GNTN150	150	892	525	GCT150
GNTN200	200	942	575	GCT200
GNTN300	300	1042	675	GCT300
GNTN400	400	1144	775	GCT400
GNTN450	450	1192	825	GCT450
GNTN600	600	1342	975	GCT600
GNTN750	750	1492	1125	GCT750
GNTN900	900	1642	1275	GCT900

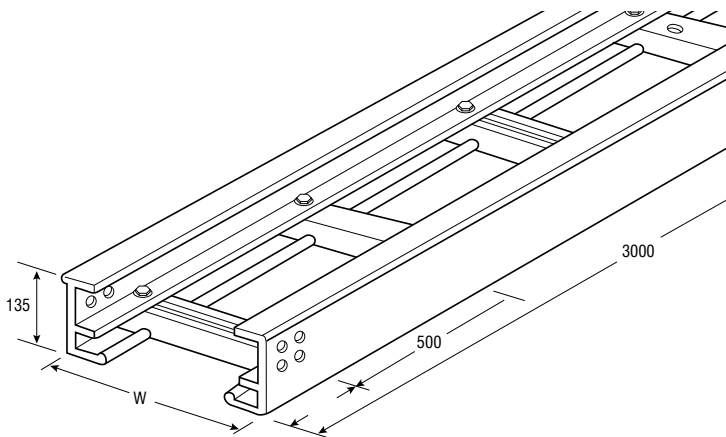


Equal Cross

Ref	W (mm)	L (mm)	Cover Ref
GNXN150	150	892	GCX150
GNXN200	200	942	GCX200
GNXN300	300	1042	GCX300
GNXN400	400	1142	GCX400
GNXN450	450	1192	GCX450
GNXN600	600	1342	GCX600
GNXN750	750	1492	GCX750
GNXN900	900	1642	GCX900

GHL 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	135mm	
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, 500mm
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
Angle of Bends	45° or 90°	30° or 60°
Associated Products and Additional Information References		Page Number
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FIBARACK™* * Patent Protected No. 0873477		

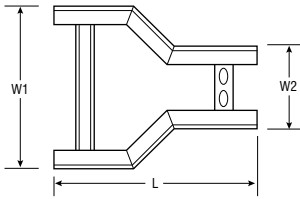
Ladder



GHL Ladder

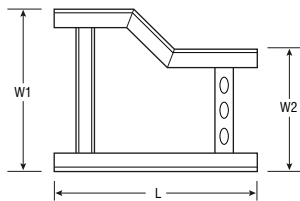
Ref	W (mm)	D (mm)	L (mm)	Cover Ref
GHL150	150	135	3000	GEL150
GHL200	200	135	3000	GEL200
GHL300	300	135	3000	GEL300
GHL400	400	135	3000	GEL400
GHL450	450	135	3000	GEL450
GHL600	600	135	3000	GEL600
GHL750	750	135	3000	GEL750
GHL900	900	135	3000	GEL900
GHL1000	1000	135	3000	GEL1000

Reducers



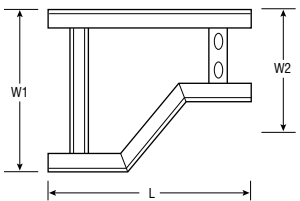
Reducer Straight

Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GHR3015	300	150	475	GER3015
GHR4015	400	150	525	GER4015
GHR4030	400	300	450	GER4030
GHR4530	450	300	475	GER4530
GHR6030	600	300	550	GER6030
GHR6045	600	450	475	GER6045
GHR7560	750	600	475	GER7560
GHR9075	900	750	475	GER9075
GHR1060	1000	600	600	GER1060
GHR1075	1000	750	525	GER1075



Reducer L/Hand

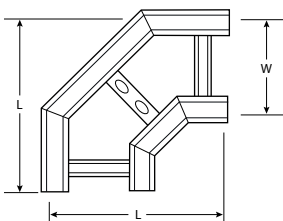
Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GHRL3015	300	150	550	GERL3015
GHRL4015	400	150	650	GERL4015
GHRL4030	400	300	500	GERL4030
GHRL4530	450	530	550	GERL4530
GHRL6030	600	300	700	GERL6030
GHRL6045	600	450	550	GERL6045
GHRL7560	750	600	550	GERL7560
GHRL9075	900	750	550	GERL9075
GHRL1060	1000	630	770	GERL1060
GHRL1075	1000	750	650	GERL1075



Reducer R/Hand

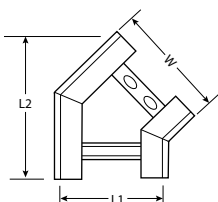
Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GHRR3015	300	150	550	GERR3015
GHRR4015	400	150	650	GERR4015
GHRR4030	400	300	500	GERR4030
GHRR4530	450	300	550	GERR4530
GHRR6030	600	300	700	GERR6030
GHRR6045	600	450	550	GERR6045
GHRR7560	750	600	550	GERR7560
GHRR9075	900	750	550	GERR9075
GHRR1060	1000	600	770	GERR1060
GHRR1075	1000	750	650	GERR1075

Bends



90° Flat Bend

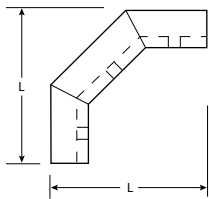
Ref	W1 (mm)	L (mm)	Cover Ref
GHA150	150	525	GEA150
GHA200	200	575	GEA200
GHA300	300	675	GEA300
GHA400	400	775	GEA400
GHA450	450	825	GEA450
GHA600	600	975	GEA600
GHA750	750	1125	GEA750
GHA900	900	1275	GEA900
GHA1000	1000	1375	GEA1000



45° Flat Bend

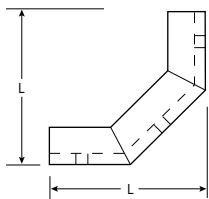
Ref	W (mm)	L1 (mm)	L2 (mm)	Cover Ref
GHA1545	150	437	292	GEA1545
GHA2045	200	472	343	GEA2045
GHA3045	300	543	442	GEA3045
GHA4045	400	614	542	GEA4045
GHA4545	450	649	592	GEA4545
GHA6045	600	755	742	GEA6045
GHA7545	750	861	892	GEA7545
GHA9045	900	968	1042	GEA9045
GHA1045	1000	1038	1142	GEA1045

Risers



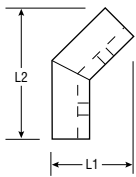
External 90° Riser

Ref	W (mm)	L (mm)	Cover Ref
GHE150	150	517	GEE150
GHE200	200	517	GEE200
GHE300	300	517	GEE300
GHE400	400	517	GEE400
GHE450	450	517	GEE450
GHE600	600	517	GEE600
GHE750	750	517	GEE750
GHE900	900	517	GEE900
GHE1000	1000	517	GEE1000



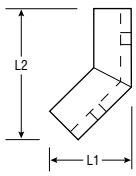
Internal 90° Riser

Ref	W (mm)	L (mm)	Cover Ref
GHI150	150	517	GEI150
GHI200	200	517	GEI200
GHI300	300	517	GEI300
GHI400	400	517	GEI400
GHI450	450	517	GEI450
GHI600	600	517	GEI600
GHI750	750	517	GEI750
GHI900	900	517	GEI900
GHI1000	1000	517	GEEI1000



External 45° Riser

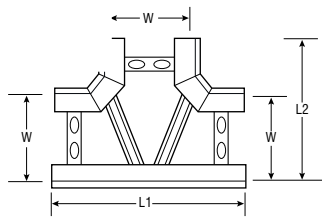
Ref	W1 (mm)	L1 (mm)	L2 (mm)	Cover Ref
GHE1545	150	284	430	GEE1545
GHE2045	200	284	430	GEE2045
GHE3045	300	284	430	GEE3045
GHE4045	400	284	430	GEE4045
GHE4545	450	284	430	GEE4545
GHE6045	600	284	430	GEE6045
GHE7545	750	284	430	GEE7545
GHE9045	900	284	430	GEE9045
GHE1045	1000	284	430	GEE1045



Internal 45° Riser

Ref	W1 (mm)	L1 (mm)	L2 (mm)	Cover Ref
GHI1545	150	284	430	GEI1545
GHI2045	200	284	430	GEI2045
GHI3045	300	284	430	GEI3045
GHI4045	400	284	430	GEI4045
GHI4545	450	284	430	GEI4545
GHI6045	600	284	430	GEI6045
GHI7545	750	284	430	GEI7545
GHI9045	900	284	430	GEI9045
GHI1045	1000	284	430	GEI1045

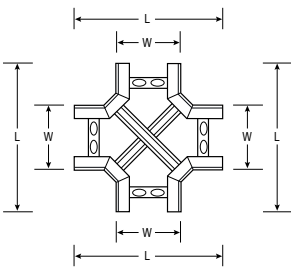
Tees & Crossovers



rung configuration will change with width

Equal Tee

Ref	W (mm)	L1 (mm)	L2 (mm)	Cover Ref
GHT150	150	892	525	GET150
GHT200	200	942	575	GET200
GHT300	300	1042	675	GET300
GHT400	400	1142	775	GET400
GHT450	450	1192	825	GET450
GHT600	600	1342	975	GET600
GHT750	750	1492	1125	GET750
GHT900	900	1642	1275	GET900
GHT1000	1000	1742	1375	GET1000



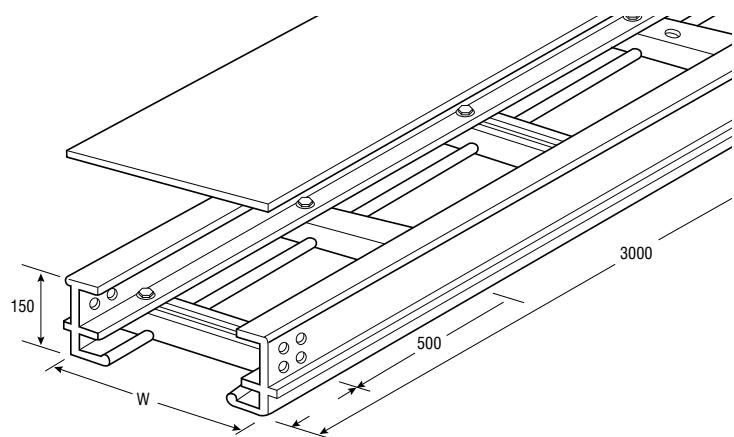
rung configuration will change with width

Equal Cross

Ref	W (mm)	L (mm)	Cover Ref
GHX150	150	892	GEX150
GHX200	200	942	GEX200
GHX300	300	1042	GEX300
GHX400	400	1142	GEX400
GHX450	450	1192	GEX450
GHX600	600	1342	GEX600
GHX750	750	1492	GEX750
GHX900	900	1642	GEX900
GHX1000	1000	1742	GEX1000

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
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		

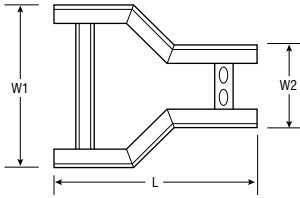
Ladder



GAL Ladder

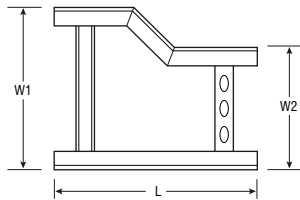
Ref	W (mm)	D (mm)	L (mm)	Cover Ref
GAL150	150	150	3000	GEL150
GAL200	200	150	3000	GEL200
GAL300	300	150	3000	GEL300
GAL400	400	150	3000	GEL400
GAL450	450	150	3000	GEL450
GAL600	600	150	3000	GEL600
GAL750	750	150	3000	GEL750
GAL900	900	150	3000	GEL900
GAL1000	1000	150	3000	GEL1000

Reducers



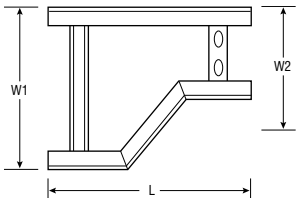
Reducer Straight

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

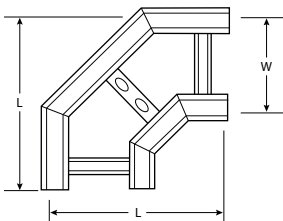
Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GARL3015	300	150	550	GERL3015
GARL4015	400	150	650	GERL4015
GARL4030	400	300	500	GERL4030
GARL4530	450	530	550	GERL4530
GARL6030	600	300	700	GERL6030
GARL6045	600	450	550	GERL6045
GARL7560	750	600	550	GERL7560
GARL9075	900	750	550	GERL9075
GARL1060	1000	630	770	GERL1060
GARL1075	1000	750	650	GERL1075



Reducer R/Hand

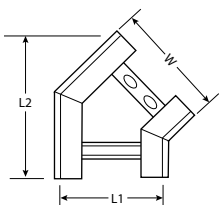
Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GARR3015	300	150	550	GERR3015
GARR4015	400	150	650	GERR4015
GARR4030	400	300	500	GERR4030
GARR4530	450	300	550	GERR4530
GARR6030	600	300	700	GERR6030
GARR6045	600	450	550	GERR6045
GARR7560	750	600	550	GERR7560
GARR9075	900	750	550	GERR9075
GARR1060	1000	600	770	GERR1060
GARR1075	1000	750	650	GERR1075

Bends



90° Flat Bend

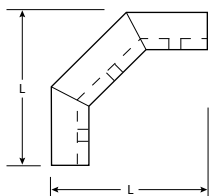
Ref	W1 (mm)	L (mm)	Cover Ref
GAA150	150	525	GEA150
GAA200	200	575	GEA200
GAA300	300	675	GEA300
GAA400	400	775	GEA400
GAA450	450	825	GEA450
GAA600	600	975	GEA600
GAA750	750	1125	GEA750
GAA900	900	1275	GEA900
GAA1000	1000	1375	GEA1000



45° Flat Bend

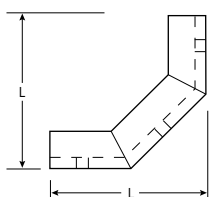
Ref	W (mm)	L1 (mm)	L2 (mm)	Cover Ref
GAA1545	150	437	292	GEA1545
GAA2045	200	472	343	GEA2045
GAA3045	300	543	442	GEA3045
GAA4045	400	614	542	GEA4045
GAA4545	450	649	592	GEA4545
GAA6045	600	755	742	GEA6045
GAA7545	750	861	892	GEA7545
GAA9045	900	968	1042	GEA9045
GAA1045	1000	1038	1142	GEA1045

Risers



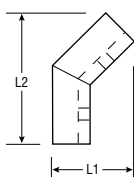
External 90° Riser

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



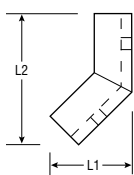
Internal 90° Riser

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

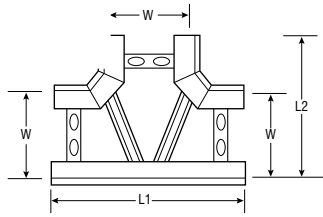
Ref	W1 (mm)	L1 (mm)	L2 (mm)	Cover Ref
GAE1545	150	284	430	GEE1545
GAE2045	200	284	430	GEE2045
GAE3045	300	284	430	GEE3045
GAE4045	400	284	430	GEE4045
GAE4545	450	284	430	GEE4545
GAE6045	600	284	430	GEE6045
GAE7545	750	284	430	GEE7545
GAE9045	900	284	430	GEE9045
GAE1045	1000	284	430	GEE1045



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

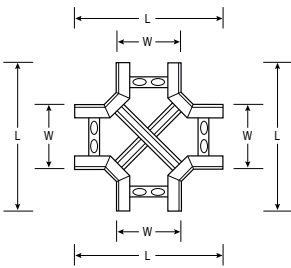
Tees & Crossovers



rung configuration will change with width

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



rung configuration will change with width

Equal Cross

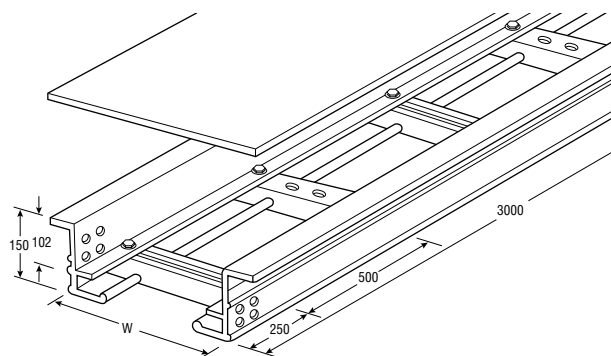
Ref	W (mm)	L (mm)	Cover Ref
GAX150	150	892	GEX150
GAX200	200	942	GEX200
GAX300	300	1042	GEX300
GAX400	400	1142	GEX400
GAX450	450	1192	GEX450
GAX600	600	1342	GEX600
GAX750	750	1492	GEX750
GAX900	900	1642	GEX900
GAX1000	1000	1742	GEX1000

GHL 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 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	All radii available
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		

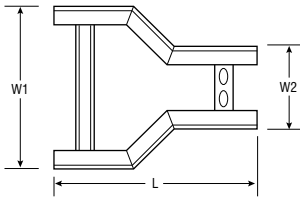
Ladder



GXL Ladder

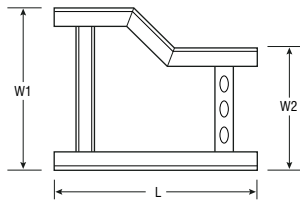
Ref	W (mm)	D (mm)	L (mm)	Cover Ref
GXL150	150	150	3000	GZL150
GXL200	200	150	3000	GZL200
GXL300	300	150	3000	GZL300
GXL400	400	150	3000	GZL400
GXL450	450	150	3000	GZL450
GXL600	600	150	3000	GZL600
GXL750	750	150	3000	GZL750
GXL900	900	150	3000	GZL900
GXL1000	1000	150	3000	GZL1000

Reducers



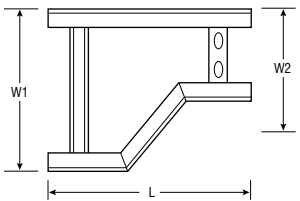
Reducer Straight

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

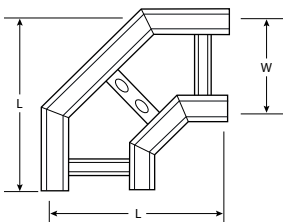
Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GXRL3015	300	150	553	GZRL3015
GXRL4015	400	150	653	GZRL4015
GXRL4030	400	300	503	GZRL4030
GXRL4530	450	300	553	GZRL4530
GXRL6030	600	300	703	GZRL6030
GXRL6045	600	450	553	GZRL6045
GXRL7560	750	600	553	GZRL7560
GXRL9075	900	750	553	GZRL9075
GXRL1075	1000	750	653	GZRL1075



Reducer R/Hand

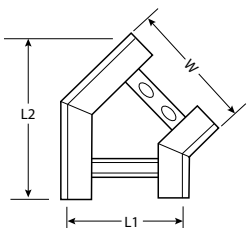
Ref	W1 (mm)	W2 (mm)	L (mm)	Cover Ref
GXRR3015	300	150	553	GZRR3015
GXRR4015	400	150	653	GZRR4015
GXRR4030	400	300	503	GZRR4030
GXRR4530	450	300	553	GZRR4530
GXRR6030	600	300	703	GZRR6030
GXRR6045	600	450	553	GZRR6045
GXRR7560	750	600	553	GZRR7560
GXRR9075	900	750	553	GZRR9075
GXRR1075	1000	750	653	GZRR1075

Bends



90° Flat Bend

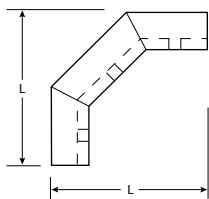
Ref	W1 (mm)	L (mm)	Cover Ref
GXA150	150	527	GZA150
GXA200	200	577	GZA200
GXA300	300	677	GZA300
GXA400	400	777	GZA400
GXA450	450	827	GZA450
GXA600	600	977	GZA600
GXA750	750	1127	GZA750
GXA900	900	1277	GZA900
GXA1000	1000	1377	GZA1000



45° Flat Bend

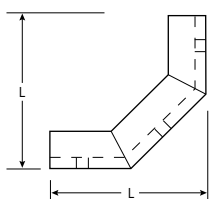
Ref	W (mm)	L1 (mm)	L2 (mm)	Cover Ref
GXA1545	150	437	226	GZA1545
GXA2045	200	472	297	GZA2045
GXA3045	300	543	438	GZA3045
GXA4045	400	614	580	GZA4045
GXA4545	450	649	650	GZA4545
GXA6045	600	755	862	GZA6045
GXA7545	750	861	1075	GZA7545
GXA9045	900	968	1287	GZA9045
GXA1045	1000	1038	1428	GZA1045

Risers



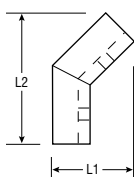
External 90° Riser

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



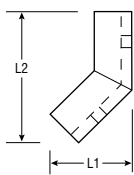
Internal 90° Riser

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

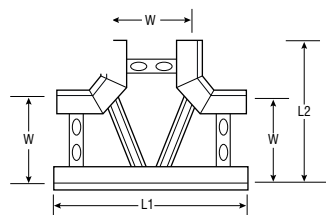
Ref	W1 (mm)	L1 (mm)	L2 (mm)	Cover Ref
GXE1545	150	284	430	GZE1545
GXE2045	200	284	430	GZE2045
GXE3045	300	284	430	GZE3045
GXE4045	400	284	430	GZE4045
GXE4545	450	284	430	GZE4545
GXE6045	600	284	430	GZE6045
GXE7545	750	284	430	GZE7545
GXE9045	900	284	430	GZE9045
GXE1045	1000	284	430	GZE1045



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

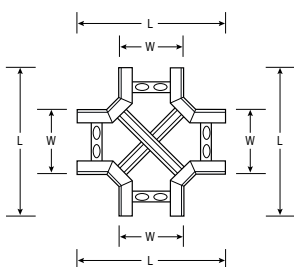
Tees & Crossovers



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

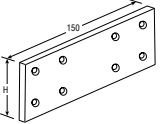
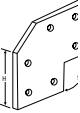
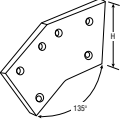
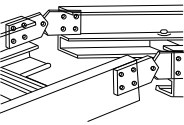
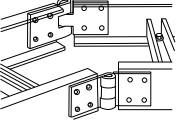
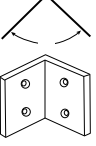
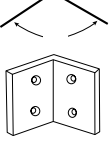
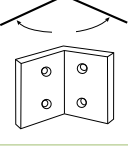
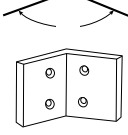
GRP Ladder - Coupler Table

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

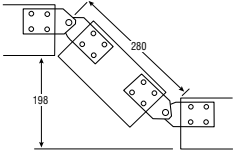
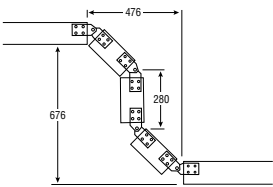
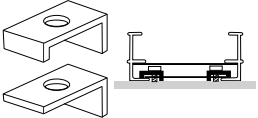
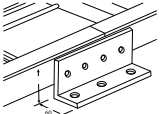
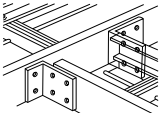
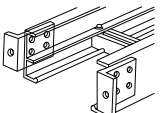
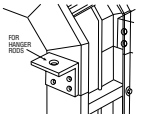
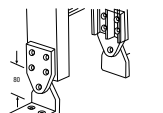
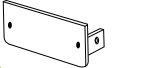
		Material	Profile: GMLN only H = 55mm	Profile: GNLN, GHL, GXL H = 69mm
	Straight Coupler	SS GRP	GMCS GMCg	GHCS GHCG
	90° Vertical Angle Coupler	SS	GMCV90S	GSCV90S
	45° Vertical Angle Coupler	SS	GMCV45S	GSCV45S
	Vertical Hinged Coupler Max Ext Angle = 45° Max Int Angle = 90°	SS	GMVHCS	GVHCS
	Variable Angle 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

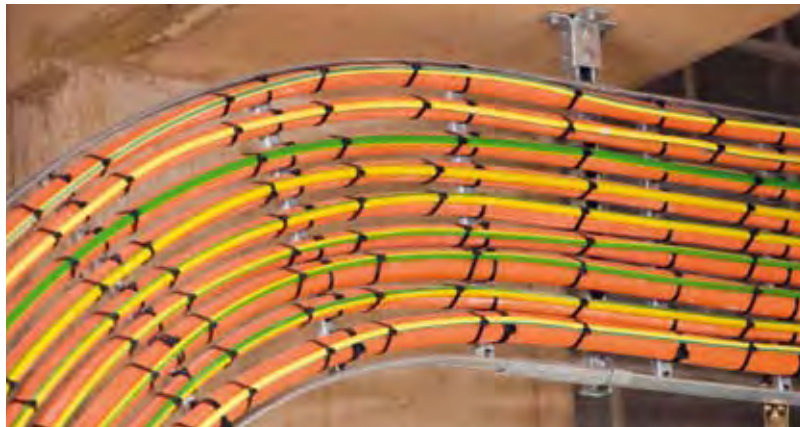
Fasteners (see couplers) Recommended fastener for cable ladder range MSS8, see page 61
Please note, fasteners (nuts, bolts and washer sets) should be ordered separately, please see page 61.

SS = Stainless Steel

GRP = Glass Reinforced Plastic

	Material	Profile: GMLN only	Profile: GNLN, GHL, GXL, GAL
 <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, ie M, N, A or X, followed by the width eg: GR1N1000 for a GMLN series 1000mm width)</p>	SS	Non standard	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, ie M, N, A or X, followed by the width eg: GR11000 for a GMLN series 1000mm width)</p>	SS	Non standard	GR3*
Adaptor Coupler	GRP	GLCAMMG	For GNLN: GLCANNG For GAL: N/A For GXL: N/A
 <p>Ladder Clamp Use M10 size fastener</p>	SS GRP	GHDCS GHDCG	GHDCS GHDCG
 <p>Coupler Support</p>	GRP	GMCS	GCS
 <p>T Joint Coupler</p>	GRP	GMTJC	GTJC
 <p>Fixed Support</p>	GRP	GMFES	GFES
 <p>Riser Support</p>	GRP	GMRSC	For GNLN: GRSC For GHL: GRSC For GXL: Not suitable
 <p>Hinged End Fixing</p>	GRP	GMHEF	GHEF
 <p>Stop End</p>	SS	Non standard	Non standard

Metallic Cable Ladder



Range Selection Chart

30

Wibe Ladder Coupling System

30-31



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



KHZSP/KHZPS

see pages 30-31



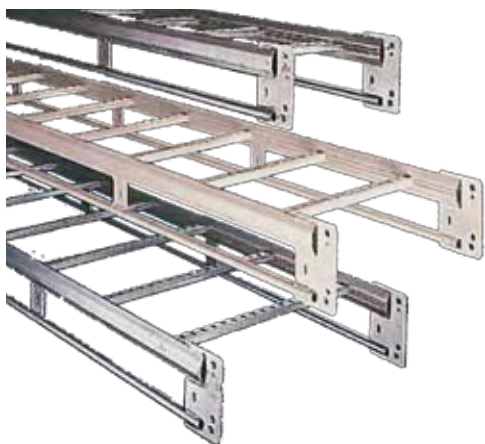
KHZP

see pages 30-31



KHZ

see pages 30-31



KHZPV

see pages 30-31

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



Range Selection Chart	34
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GRP Cable Trays, Troughing and Fittings

Type GSPN	34
Type GRPN	35
Type GSP	35
Type GRP	39

Posts and Brackets	40
Couplers	42-43



GSPN/GRPN

Depth: 50mm

see pages 33-43



GSP/GRP

Depth: 60mm

see pages 33-43



GSP/GRP

Depth: 80mm

see pages 33-43



GSP/GRP

Depth: 110mm

see pages 33-43



GRP

Depth: 210mm

see pages 33-43

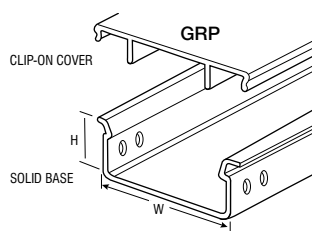
GRP Cable Tray and Troughing

CABSY® GRP Cable Tray

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 NFR (halogen free) Resin	Other resins available on request
Depth	50mm, 80mm, 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
Radius of Bends	300mm	All radii available
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	
Technical Section	Separate technical guide is available on request	

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

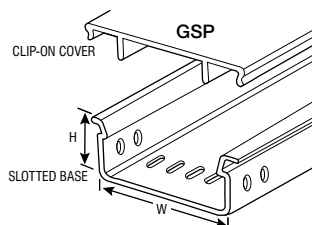
For Couplers – please refer to page 37

60mm Depth

W (mm)	Tray Ref Slotted	Tray Ref Solid	L (mm)	Cover Ref
100	GSP1006	GRP1006	3000	GRCN100
150	GSP1506	GRP1506	3000	GRCN150
200	GSP2006	GRP2006	3000	GRCN200
300	GSP3006	GRP3006	3000	GRCN300
400	GSP4006	GRP4006	3000	GRCN400

For Couplers – please refer to page 37

Slotted Base



80mm Depth

W (mm)	Tray Ref Slotted	Tray Ref Solid	L (mm)	Cover Ref
100	GSP1008	GRP1008	3000	GRCN100
150	GSP1508	GRP1508	3000	GRCN150
200	GSP2008	GRP2008	3000	GRCN200
300	GSP3008	GRP3008	3000	GRCN300
400	GSP4008	GRP4008	3000	GRCN400

For Couplers – please refer to page 37

60mm Depth

W (mm)	Tray Ref Slotted	Tray Ref Solid	L (mm)	Cover Ref
100	GSP100110	GRP100110	3000	GRCN100
150	GSP150110	GRP150110	3000	GRCN150
200	GSP200110	GRP200110	3000	GRCN200
300	GSP300110	GRP300110	3000	GRCN300
400	GSP400110	GRP400110	3000	GRCN400

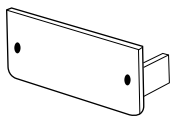
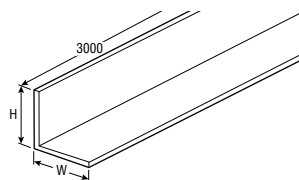
For Couplers – please refer to page 37

210mm Depth

W (mm)	Tray Ref Solid	L (mm)	Cover Ref
150	GRP150210	300	GRCN150

For Couplers – please refer to page 37

Divider



Divider

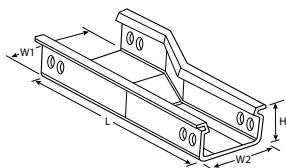
Ref	W (mm)	H (mm)
GRD1	50	50

End Stop

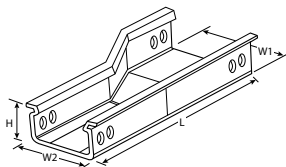
End Stops are available on request. Please contact our Customer Information Centre on 0870 608 8 608 for further details.

Reducers

Reducer Left Hand



Reducer Right Hand



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

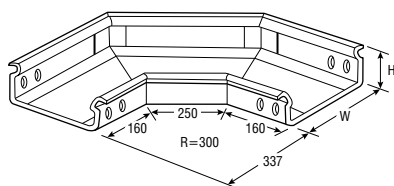
	W1	L/R	W2	Depth
GRD	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
eg:				
GRN	200-L-10-60			
	Reduce from L or R		Reduce to	Depth
GRN	200	L	100	60

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 80mm depth

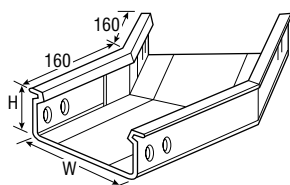
W (mm)	Tray Type Solid	Cover Ref
100	GRA1008	GRAC100
150	GRA1508	GRAC150
200	GRA2008	GRAC200
300	GRA3008	GRAC300
400	GRA4008	GRAC400

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	GRACN50
75	GRAN75455	GRACN75

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 80mm depth

W (mm)	Tray Type Solid	Cover Ref
100	GRA10458	GRAC1045
150	GRA15458	GRAC1545
200	GRA20458	GRAC2045
300	GRA30458	GRAC3045
400	GRA40458	GRAC4045

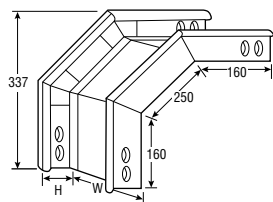
45° Flat Bend 110mm depth

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	GRA150210	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)	Cover Ref
100	GREC100
150	GREC150
200	GREC200
300	GREC300

90° External Riser 80mm depth

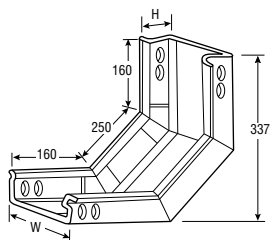
W (mm)	Tray Type Solid	Cover Ref
100	GRE1008	GREC100
150	GRE1508	GREC150
200	GRE2008	GREC200
300	GRE3008	GREC300
400	GRE4008	GREC400

90° External Riser 110mm depth

W (mm)	Tray Type Solid	Cover Ref
100	GRE100110	GREC100
150	GRE150110	GREC150
200	GRE200110	GREC200
300	GRE300110	

90° External Riser 210mm depth

W (mm)	Tray Type Solid	Cover Ref
150	GRE150210	GREC150



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)	Cover Ref
100	GRIC100
150	GRIC150
200	GRIC200
300	GRIC300

90° Internal Riser 80mm depth

W (mm)	Tray Type Solid	Cover Ref
100	GRI1008	GRIC100
150	GRI1508	GRIC150
200	GRI2008	GRIC200
300	GRI3008	GRIC300
400	GRI4008	GRIC400

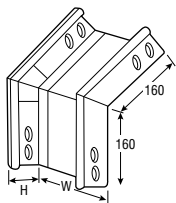
90° Internal Riser 110mm depth

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

Risers



45° External Riser 50mm depth

W (mm)	Tray Type Solid	Cover Ref
50	GREN50455	GRECN50
75	GREN75455	GRECN75

45° External Riser 60mm depth

W (mm)	Tray Type Solid	Cover Ref
100	GRE10456	GREC1045
150	GRE15456	GREC1545
200	GRE20456	GREC2045
300	GRE30456	GREC3045

45° External Riser 80mm depth

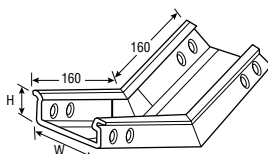
W (mm)	Tray Type Solid	Cover Ref
100	GRE10458	GREC1045
150	GRE15458	GREC1545
200	GRE20458	GREC2045
300	GRE30458	GREC3045
400	GRE40458	GREC4045

45° External Riser 110mm depth

W (mm)	Tray Type Solid	Cover Ref
100	GRE1045110	GREC1045
150	GRE1545110	GREC1545
200	GRE2045110	GREC2045
300	GRE3045110	GREC3045
400	GRE4045110	GREC4045

45° External Riser 210mm depth

W (mm)	Tray Type Solid	Cover Ref
150	GRE1545210	GREC1545



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	GRI10456	GRIC1045
150	GRI15456	GRIC1545
200	GRI20456	GRIC2045
300	GRI30456	GRIC3045

45° Internal Riser 80mm depth

W (mm)	Tray Type Solid	Cover Ref
100	GRI10458	GRIC1045
150	GRI15458	GRIC1545
200	GRI20458	GRIC2045
300	GRI30458	GRIC3045
400	GRI40458	GRIC4045

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

Tees & Crossovers



50mm depth

W (mm)	Tray Type Solid	Cover Ref
50	GRTN505	GRTC50
75	GRTN755	GRTC75

60mm depth

W (mm)	Tray Type Solid	Cover Ref
100	GRT1006	GRTC100
150	GRT1506	GRTC150
200	GRT2006	GRTC200
300	GRT3006	GRTC300

80mm depth

W (mm)	Tray Type Solid	Cover Ref
100	GRT10458	GRTC100
150	GRT15458	GRTC150
200	GRT20458	GRTC200
300	GRT30458	GRTC300
400	GRT40458	GRTC400

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

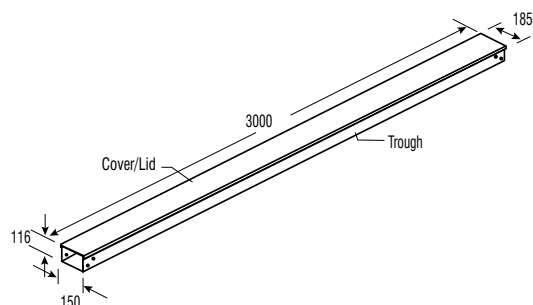
W (mm)	Tray Type Solid	Cover Ref
150	GRT150210	GRTC150

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

Cable Troughing

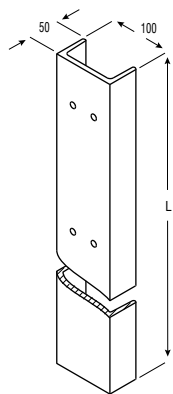


Cable Troughing complete with lid

W (mm)	Depth 60mm	Depth 80mm	Depth 110mm	Depth 210mm	*Use bracket ref
100	GRP100-6/NS/C	GRP100/8/NS/C	GRP100-110/NS/C		BRK150
150	GRP150-6/NS/C	GRP150/8/NS/C	GRP150-110/NS/C		BRK200
200	GRP200-6/NS/C	GRP200/8/NS/C	GRP200-110/NS/C	GRP150-210/NS/C	BRK250
300	GRP300-6/NS/C	GRP300/8/NS/C	GRP300-110/NS/C		BRK350
400		GRP400/8/NS/C	GRP400-110/NS/C		BRK450

*Bracket width should be 50mm wider than cable troughing width

Steel Posts



Single Sided

Ref	Dimensions (mm)
MPS1.4	1400 x 100 x 50
MPS2.4	2400 x 100 x 50

MPS = single sided post for up to 2 troughs

Double Sided

Ref	Dimensions (mm)
MPD1.4	1400 x 100 x 50
MPD2.4	2400 x 100 x 50

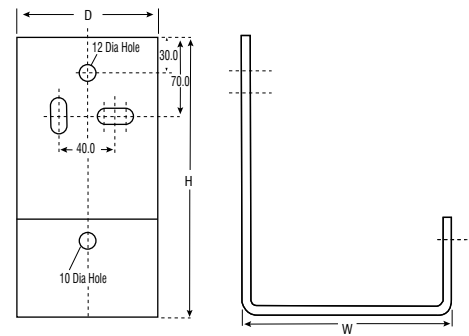
MPD = double sided post for up to 4 troughs

Cable Troughing & Brackets

Brackets

Ref	For Troughing Size	Dimensions (H x W x D)
BRK150	GRP100	230 x 150 x 110
BRK200	GRP150	230 x 200 x 110
BRK250	GRP200	230 x 250 x 110
BRK350	GRP300	230 x 350 x 110
BRK450	GRP400	230 x 450 x 110

* Bracket width should be 50mm wider than cable troughing width

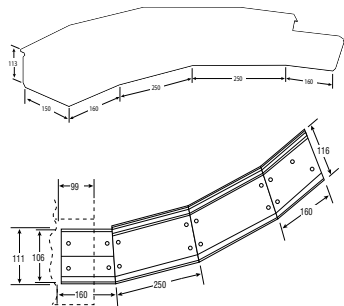


Brackets To Post Fixing Kit

Consists of:

2 x M8*30 Hexagon Head Bolt, 4 x M8 Round Flat Washer,
2 x M8 Spring Washer, 2 x M8 Hexagon Nut

Ref
M8BNWZP/B

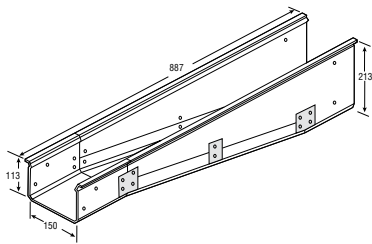


Concrete to GRP Riser (variable degree) Adaptor Kit

Consists of:

GRCTA19-15-11/C-34 and GRE15-11/C34

Ref
GRCTA19-15/V-342/B

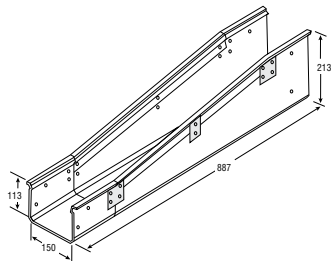


Top Level Straight Reducers

Ref

GR15-21/15-11T/C

Other angle, risers and reducers are available.



Base Level Straight Reducers

Ref

GR15-21/15-11B/C

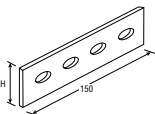
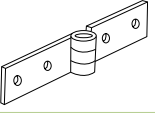
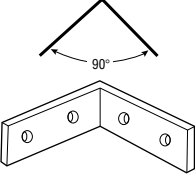
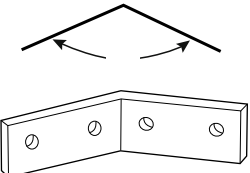
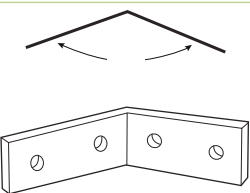
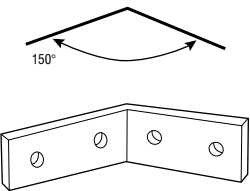
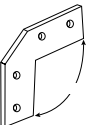
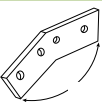
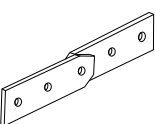
Other angle, risers and reducers are available.

GRP Cable Tray and Troughing

GRP Cable Tray Risers and Couplers

Please also see "Fasteners Required" – page 61

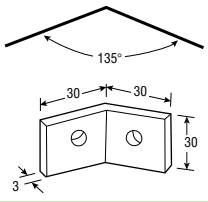
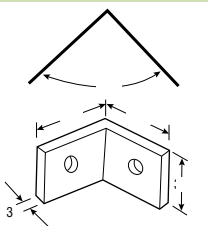
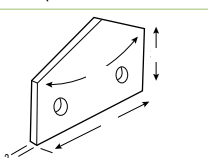
Material: Stainless Steel except where otherwise advised

	Description	For Tray Depth 50mm / 60mm / 80mm
	Straight Coupler: GRP SS316	GSCC4G (H=30mm) GSCC4S (H=30mm)
	Variable Angle Coupler	GHCST (2.5 x 180 x 25mm)
	90° Horizontal Angle Coupler	GSCH90ST (2.5 x 25mm)
	60° Horizontal Angle Coupler	GSCH60ST (2.5 x 25mm)
	45° Horizontal Angle Coupler	GSCH45ST (2.5 x 25mm)
	30° Horizontal Angle Coupler	GSCH30ST (2.5 x 25mm)
	90° Flat Angle/Riser	GSCV90ST (2.5 x 30mm)
	45° Flat Angle/Riser	GSCV45ST (2.5 x 30mm)
	Hinged Coupler	GVHCST

GRP Cable Tray Risers and Couplers

Please also see "Fasteners Required" – page 61

Material: GRP

	Description	For Tray Depth 50mm / 60mm / 80mm
	<p>Coupler</p> <p>– to make chamfered corners for flat bends, tees or crosses</p>	GCCTD
	<p>Coupler</p> <p>– to make right angle corners for flat angles, tees or crosses</p>	GCCTE
	<p>Coupler</p> <p>– to make External/Internal risers 45°</p>	GCCTC

Couplers for 110mm, 210mm deep. Please contact Customer Information Centre on 0870 608 8 608 for further details.

PVC Cable Tray



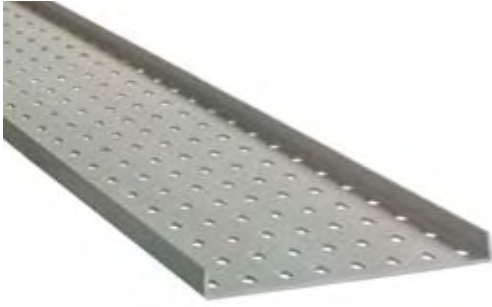
Range Selection Chart **46**

PVC Cable Tray and Fittings

Type LT **46**

Type MT **47-50**

Fasteners **50**



LT

Depth: 20mm

see pages 46



MT

Depth: 50mm

see pages 47-50



MT

Depth: 60mm

see pages 47-50



MT

Depth: 100mm

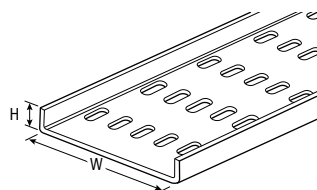
see pages 47-50

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

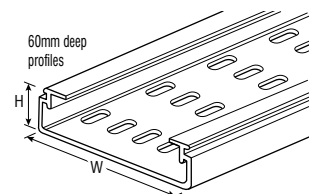
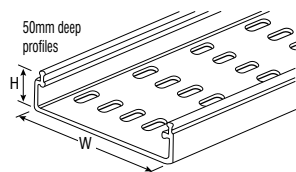


L Series Light Duty PVC Cable Tray

Cable Tray - 20mm Deep Profile

Ref	W (mm)	H (mm)
LT50-2	50	20
LT75-2	75	20
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

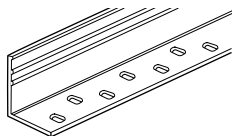
Cable Tray - 60mm Deep Profile

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

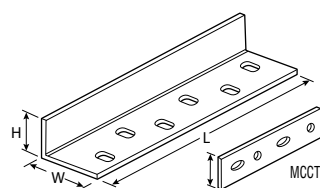
Ref	W (mm)	H (mm)	Cover Ref
MT300-10	300	100	MC310
MT400-10	400	100	MC400
MT500-10	500	100	MC500
MT600-10	600	100	MC600



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.

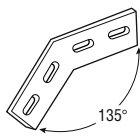
Ref	H (mm)	L (mm)
MD60	55	3000
MD100	91	3000



Coupler

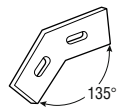
Tray Type	Ref	H (mm)	L (mm)
MT50-5	MCCT	27	150
MT75-5			
MT100-5	MCC50	31	300
MT150-5			
MT100-6	MCC60	41	300
MT150-6			
MT200-6			
MT300-6			
MT400-6	MCC100	41 or 73	405
MT300-10	MCC100	73	405
MT400-10			
MT500-10			
MT600-10			

Angled Couplers



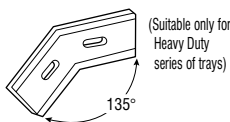
45° Flat Riser

Ref
MCCT-A



45° Riser

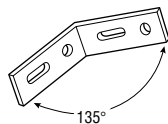
Ref
MCCT-B



(Suitable only for Heavy Duty series of trays)

45° Riser

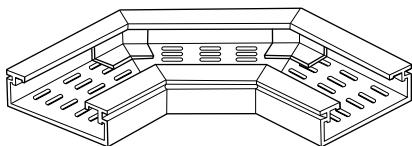
Ref
MCCT-C
Only suitable for Heavy Duty Series of Trays



45° Angled Plate

Ref
MCCT-D

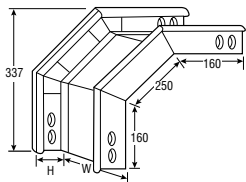
Bends



90° Flat Bend

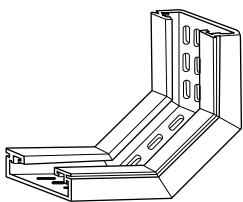
Ref	W (mm)	H (mm)	Cover Ref
MA50-5	50	50	MATC50
MA75-5	75	50	MATC75
MA100-5	100	50	MATC100
MA150-5	150	50	MATC150
MA100-6	100	60	MAC100
MA150-6	150	60	MAC150
MA200-6	200	60	MAC200
MA300-6	300	60	MAC300
MA400-6	400	60	MAC400
MA300-10	300	100	MAC310
MA400-10	400	100	MAC400
MA500-10	500	100	MAC500
MA600-10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

Risers



90° External Riser

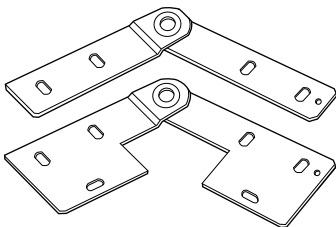
Ref	W (mm)	H (mm)	Cover Ref
ME505	50	50	METC50
ME755	75	50	METC75
ME1005	100	50	METC100
ME1505	150	50	METC150
ME1006	100	60	MEC100
ME1506	150	60	MEC150
ME2006	200	60	MEC200
ME3006	300	60	MEC300
ME4006	400	60	MEC400
ME30010	300	100	MEC310
ME40010	400	100	MEC410
ME50010	500	100	MEC500
ME60010	600	100	MEC600



90° External Riser

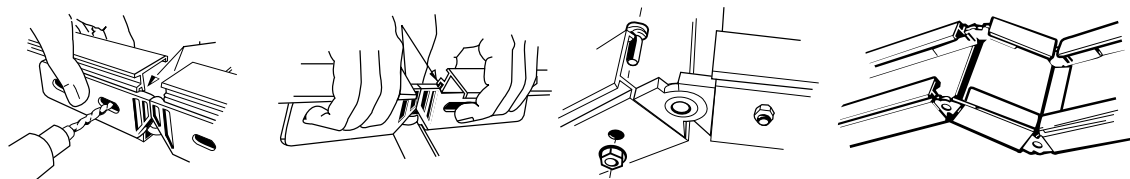
Ref	W (mm)	H (mm)	Cover Ref
MI505	50	50	MITC50
MI755	75	50	MITC75
MI1005	100	50	MITC100
MI1505	150	50	MITC150
MI1006	100	60	MIC100
MI1506	150	60	MIC150
MI2006	200	60	MIC200
MI3006	300	60	MIC300
MI4006	400	60	MIC400
MI30010	300	100	MIC310
MI40010	400	100	MIC400
MI50010	500	100	MIC500
MI60010	600	100	MIC600

Hinge

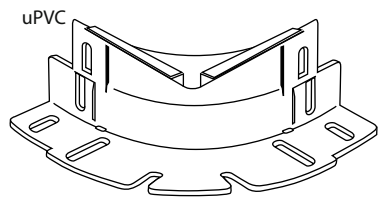


Application: To produce either convex or concave bends easily on site at any angle between 0° - 90°. This provides a versatile alternative to a pre-formed bend. Available on request.

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



Tees & Crossovers

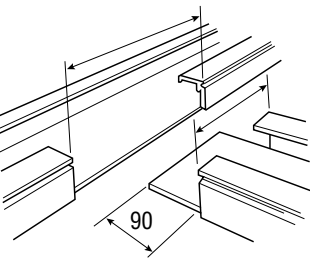


Tee Piece

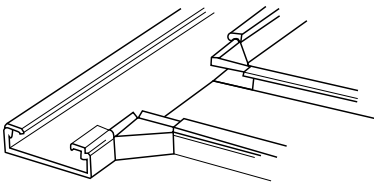
Application: To produce either convex or concave bends on site at any angle between 0-90°. This provides a versatile alternative to a pre-formed bend. Also available on request.

Ref
MTT1

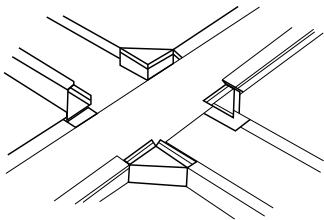
Construction of Tees & Crossovers



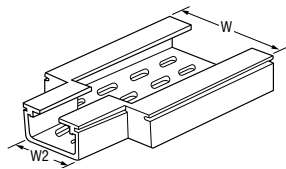
Tee Junction



Cross Junction



Reducer



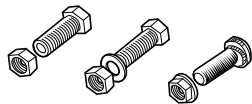
Straight Reducer

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

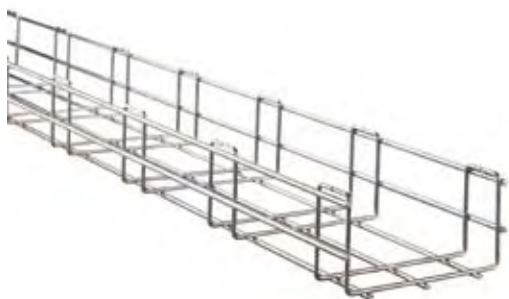
Supports – See Page 59

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 oversize 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

Performa 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

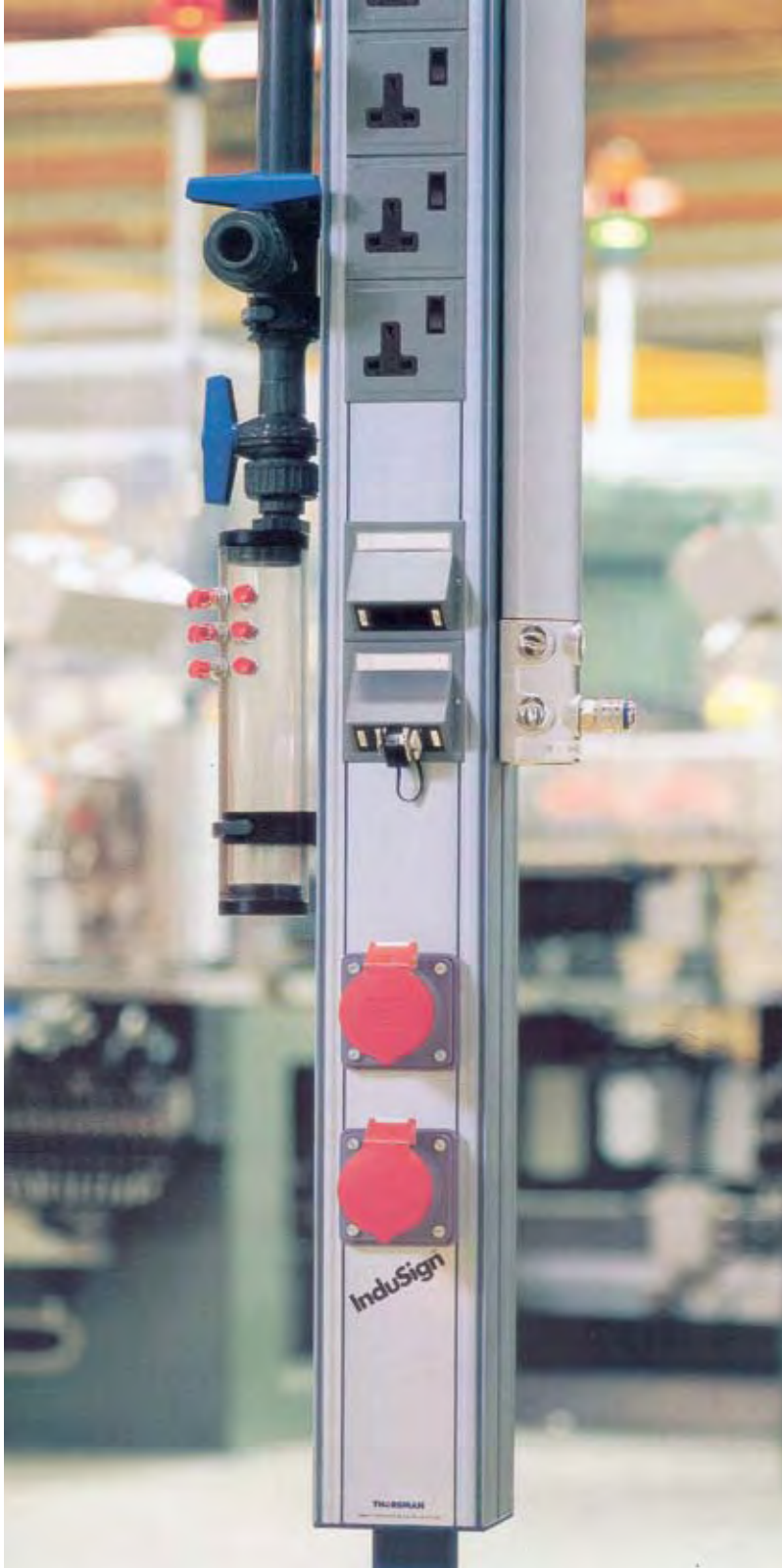
35mm, 70mm and 105mm



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

Indusign/Industrial Powerpoles

Bespoke Solutions



Indusign Industrial Service Poles

The Indusign installation system consists of two different service carriers and a wide choice of components and accessories offering support to the modern workstation with all types of media. From power and VDI to air, water, vacuum and ventilation.

Specific accessories for IT workstations are available.

Indusign can contribute towards a safer and more flexible production area. Indusign contributes to a better workplace environment as cables, hoses and tubing are properly placed or covered along the pole.

Benefits

- Easily moved and re-used
- Shorter downtimes and greater cost efficiency
- Robust but attractive design
- Aluminium extrusions, offering opportunity for screening of electrical fields
- Unique accessories for air, liquid and solder fume extraction
- Fixing parts which can accept the installation of ventilation pipes
- Easily added to later
- Broad selection of socket outlets and connections for electrical power, telecom and data
- Special covers can be fitted over outlets for increased IP protection
- Uniform high quality resulting from documented quality standard which controls manufacturing

Bespoke Solutions

Poles can be tailor made to suit customer requirements. Specified using a planning and ordering programme, they are produced according to documented standards.

All details are stored in CAD systems allowing additional poles on earlier specifications to be easily sourced and supplied.

All functions in the poles are tested and inspected before delivery. Individual test result forms, wiring and piping diagrams are always included.

Contact the Customer Information
Centre on 0870 608 8 608



Support Systems



Fibastrut Support Channel	55-66
GRP Support Channel	56
Cantilever Arm Supports	62
GRP Instrument Stands	63
Post and Brackets	63-64
Supports	64-65
Fasteners	66



Technical supplement available on request

Contact the Customer Information Centre on 0870 608 8 608

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	GS1, GS3-6 only
Width		50-400mm	
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	
Fasteners		61	



GS0

Recommended for light duty.
Use for PVC applications



GS1



GS2



GS3



GS3D

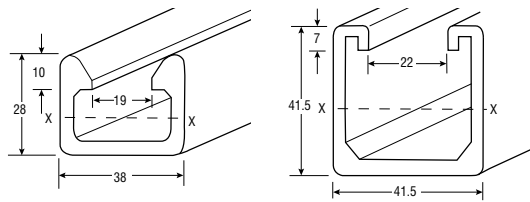
GRP SUPPORT CHANNEL & COVER

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.

Fibrastrut™ 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

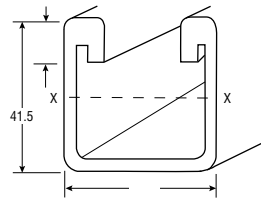


Light Duty Channel*

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

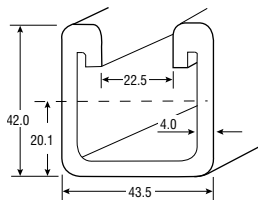
Recommended for light duty use for PVC applications

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



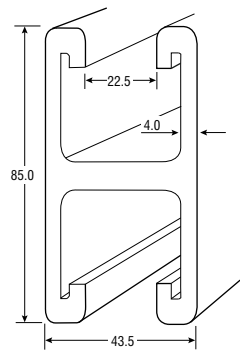
Standard Duty Channel

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



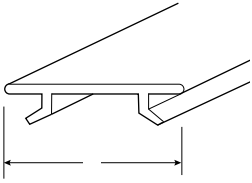
Extra Heavy Duty Channel*

Ref	Dimensions (mm)	L (mm)
GS3D	85 x 43.5	3000

Slotted Versions

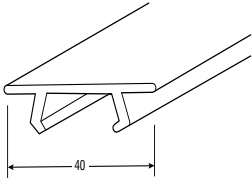
Slotted versions are also available.
Contact our Customer Information Centre
on 0870 608 8 608

Covers



PVC Cover Strip for Channel Profiles
GS1, GS2

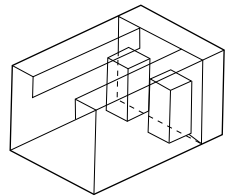
Ref	Dimensions (mm)	Weight (kg/m)
PSCS	40	0.07



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

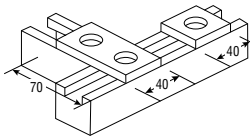


End Cap

Ref	Weight (kg/m)
PEC1 For section GS1	10

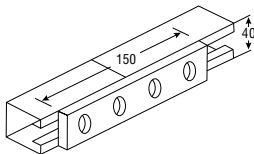
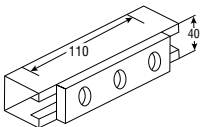
Colour: White or Black

GRP Plates



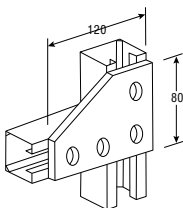
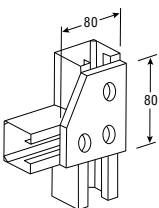
Plate

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



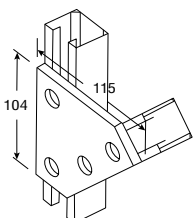
Plate

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



'L' Plate

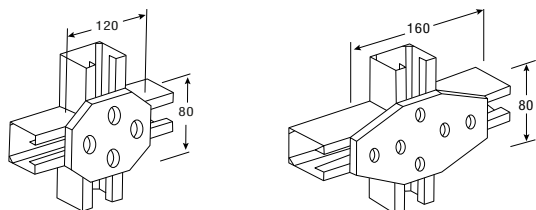
Ref	Dimensions (mm)
GSL3	8 x 80 x 80
GSL4	8 x 80 x 120



'Y' Plate

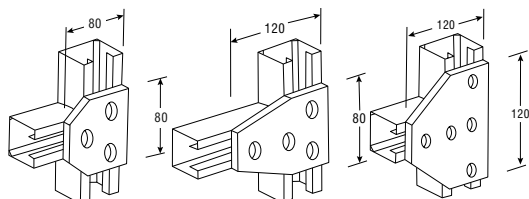
Ref	Dimensions (mm)
GSY4	5 x 104 x 115

GRP Plates



'X' Plate

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

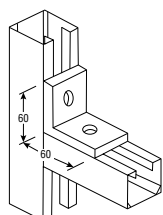


'T' Plate

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

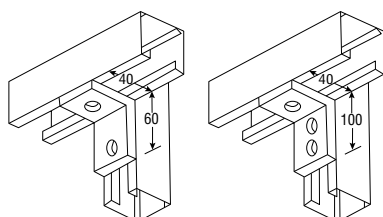
GRP Brackets



Angle Bracket

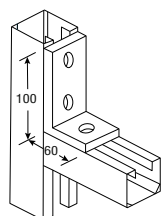
Ref	Dimensions (mm)
GS266	8 x 40 x 60/60

Horizontal strut to be supported at both ends.



Angle Bracket

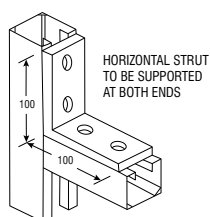
Ref	Dimensions (mm)
GS246	8 x 40 x 40/60
GS3410	8 x 40 x 40/100



Angle Bracket

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

Horizontal strut to be supported at both ends.

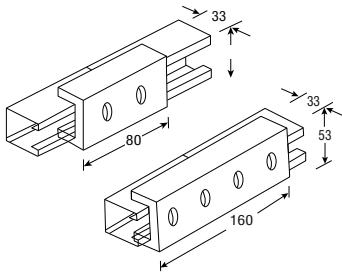


Angle Bracket

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

Horizontal strut to be supported at both ends.

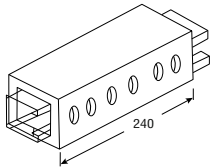
GRP Couplers



'U' Coupler

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

External Connector

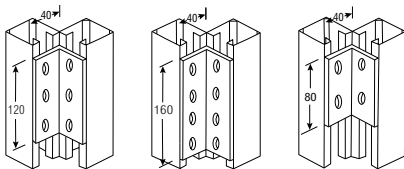


'U' Coupler

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

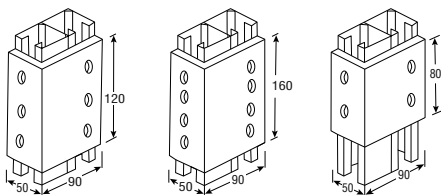
External Tube Connector

Note: Can only be used with GS3



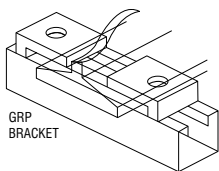
Corner Coupler (Internal)

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



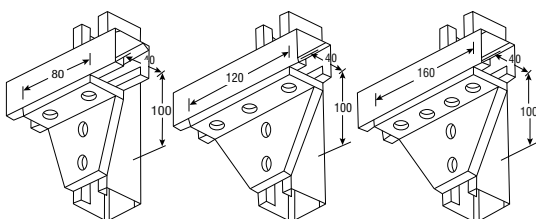
Hold Down Clamp

(Can be used as ladder hold down clamp)

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

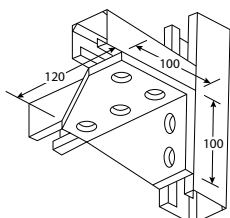
Please state flange thickness when ordering

GRP Supports



Angle Support

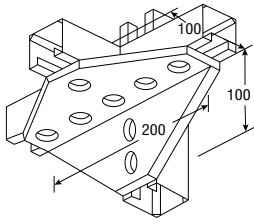
Ref	Dimensions (mm)
GS4410	8 x 80 x 40/100
GS5410	8 x 120 x 40/100
GS6410	8 x 160 x 40/100



Left Hand Corner Support

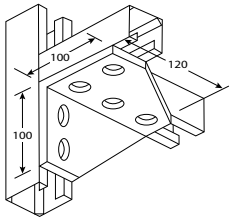
Ref	Dimensions (mm)
GSCL6	8 x 100/100 x 120

GRP Support



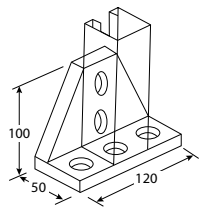
'X' Support

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



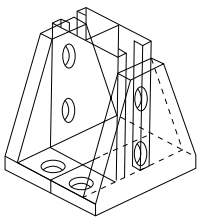
Right Angled Corner Support

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



Base Support

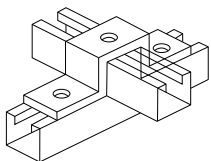
Ref	Dimensions (mm)
GSBS5	8 x 120 x 50/100



Base Support

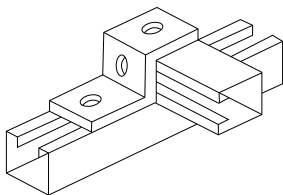
Ref	Dimensions (mm)
GSBS52D	2 of GSBS5
For back to back section GS3D	

Stainless Steel Brackets



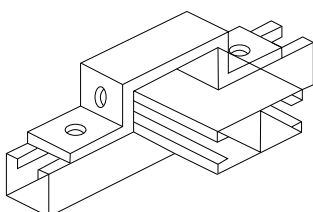
'U' Bracket

Ref	Dimensions (mm)
SU42D	For GS1/GS2



'U' Bracket

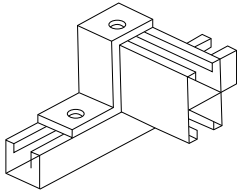
Ref	Dimensions (mm)
SU32D	For GS1/GS2



'U' Bracket

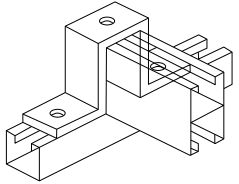
Ref	Dimensions (mm)
SU52D	For GS1/GS2

Stainless Steel Brackets



'Z' Bracket

Ref	Dimensions (mm)
SZ22D	For GS1/GS2

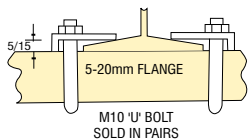


'Z' Bracket

Ref	Dimensions (mm)
SZ3D	For GS1/GS2

Note: Not to be used with GS3/GS3D

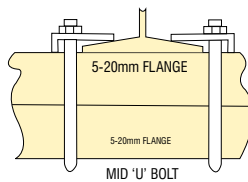
Stainless Steel Clamps



Beam Clamp

Ref	Dimensions (mm)	Weight (gms)
SBC4	12 x 25/60 x 80	500

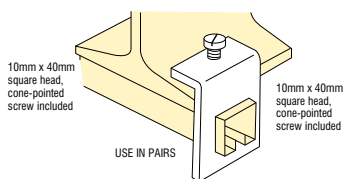
Sold in pairs both ends.



Beam Clamp

Ref	Dimensions (mm)	Weight (gms)
SBC8	12 x 25/60 x 80	600

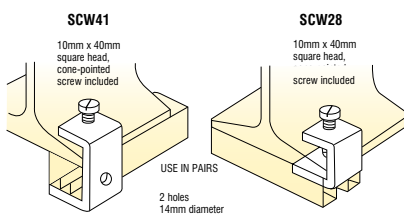
Sold in pairs both ends.



Window Clamp

Ref	Dimensions (mm)	Weight (gms)
SC41	90 x 90 x 45	177

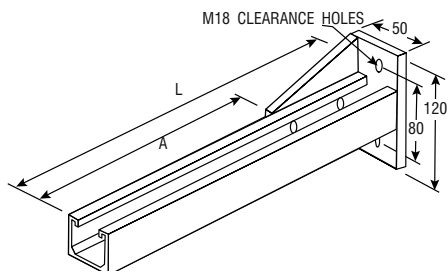
(Use in pairs) Channel can be secured facing in either direction.



C-Clamp

Ref	Dimensions (mm)	Weight (gms)
SCW41	30 x 80	488
SCW28	30 x 50	390

Cantilever Arm Supports

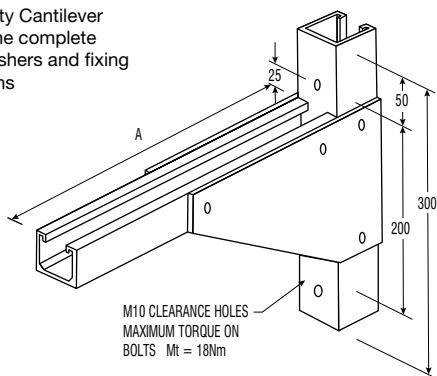


Light Standard Duty GRP FIBSTRUT™

Ref	Dimensions		Weight (g ms)
	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 Cantilever Arms come complete with 2 washers and fixing instructions

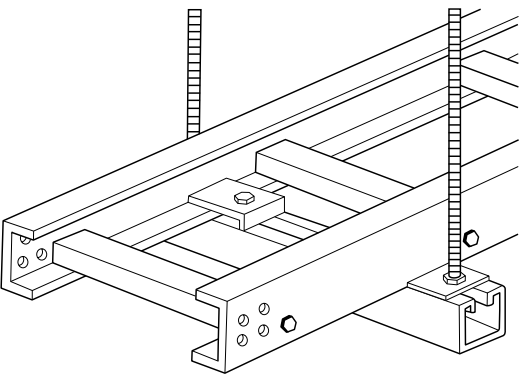


Heavy Duty GRP FIBSTRUT™

Ref	Dimension A	Weight (g ms)
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



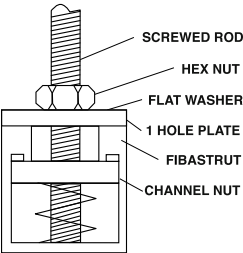
GS3 Fibastrut channel can be cut into pieces which are 25mm longer on each side than the tray or ladder itself (i.e. for a 300mm tray, the piece of strut will be 350mm wide).

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.

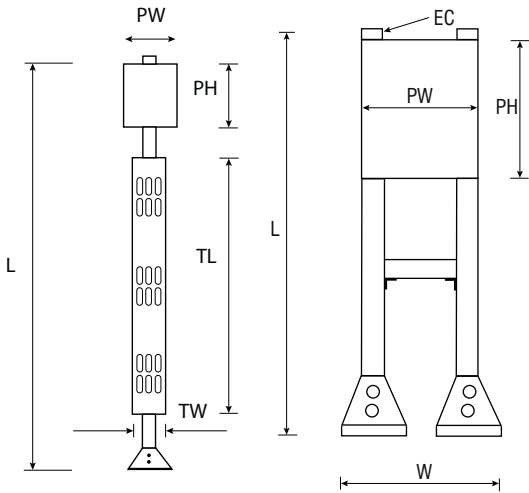
Note: GS1 strut is not recommended to support GRP tray or ladder, please see page 60 for PVC tray recommendations.

TRAPEZE SUPPORT



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

Mounting Stands



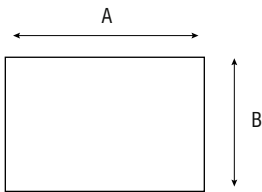
FIBASTRUT™ GRP Mounting Stands (inc specials) Ordering Information Required

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



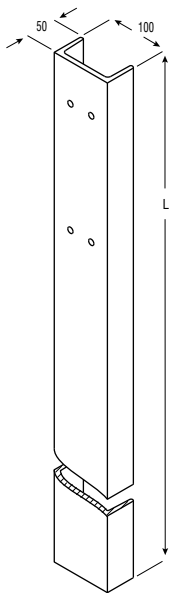
Mounting Plates (Thermoplastic material)

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

Steel Poles



Single Sided

Ref	Dimensions (mm)
MPS14	1400 x 100 x 50mm
MPS24	2400 x 100 x 50mm
MPS = single sided post for up to 2 troughs	

Double Sided

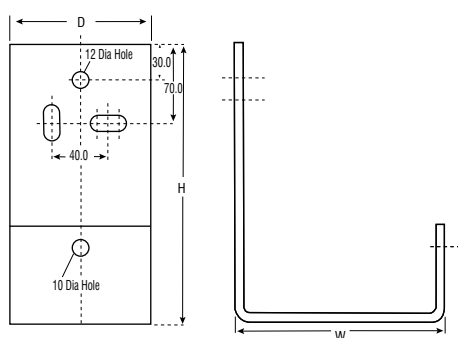
Ref	Dimensions (mm)
MPD14	1400 x 100 x 50mm
MPD24	2400 x 100 x 50mm
MPD = double sided post for up to 4 troughs	

Steel Brackets

Brackets

Ref	For Troughing Size	Dimensions (H x W x D)
BRK150	GRP100	230 x 150 x 110
BRK200	GRP150	230 x 200 x 110
BRK250	GRP200	230 x 250 x 110
BRK350	GRP300	230 x 350 x 110
BRK450	GRP400	230 x 450 x 110

* Bracket width should be 50mm wider than cable troughing width



Brackets To Post Fixing Kit

Consists of:

2 x M8*30 Hexagon Head Bolt, 4 x M8 Round Flat Washer,
2 x M8 Spring Washer, 2 x M8 Hexagon Nut

Ref

M8BNWZP/B

Supports Methods for Mounting PVC Cable Tray

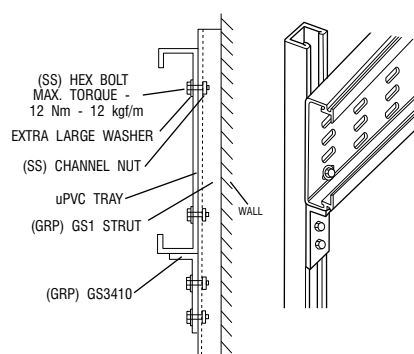
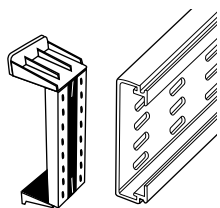
Vertical Support

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

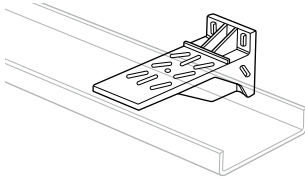
Ref	Dimensions (mm)	Max. Load (kg) at 30°C
MVB50	50	200
MVB75	75	200
MVB100	100	200
MVB150	150	200
MVB200	200	200
MVB300	300	200
MVB400	400	200
MVB600	600	200



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.

Supports Methods for Mounting PVC Cable Tray



Horizontal Support

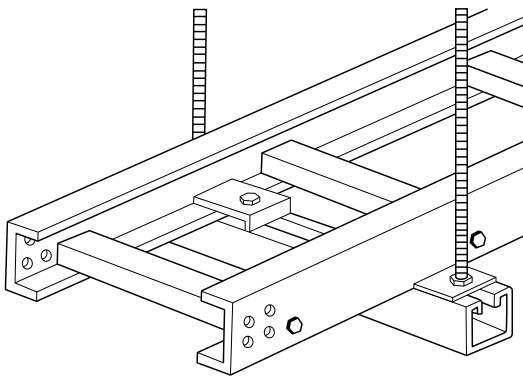
To provide horizontal support for cable tray by wall mounting

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 below the strut.

See Technical Guide for loading information

NOTE: GS1 Fibastrut is only recommended to support PVC tray

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 Grylon Nylon Zinc		MSS6N	MSS8N MN6N	MSS10N MG8N MN8N M8FHN2P	MG10N MN10N	For all applications
	Round Washer	SS316 Nylon Zinc		W6SS	W8SS	W10SS W8N M8RFW2P		
	Crinkle Washer	SS316		SCW6S	SCW8S	SCW10S		For higher security applications
	Spring Washer	Zinc			M8SPW2P			
	Channel Nut	SS316		SCN6	SCN8	SCN10	SCN12	For heavy duty applications in Fibastrut
	Coach Bolt	SS316 Grylon	60		CBSS860 CBG860			
	Hexagonal Bolt	SS316 Grylon Nylon Zinc	20 25 20 30	MSS6B MN6B	MSS8B MG8B M830HB2P	MG108 MN8B	MN10B	
	Pan Head Bolts	SS316 Zinc Nylon	20 30 20 25		MSS820BP M830HB2P MN820BP MN825BP			
	Hex Bolt, Nut & Washer (except	SS316 PVC Grylon Nylon	20 25	MSS6 MN6	MSS8 MSP8 MG8 MN8	MSS10 MG10 MN10		
	Screwed Rod	SS316 Nylon	1m 3m 1m			SSR10100 SSR10300 NSR10100		In Stainless Steel for heavy duty In Nylon for light/medium duty applications
	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.



Structures



Bespoke GRP Structural Products

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Industrial Applications/
Installations

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Bespoke GRP Structural Products



Industrial Applications/ Installations

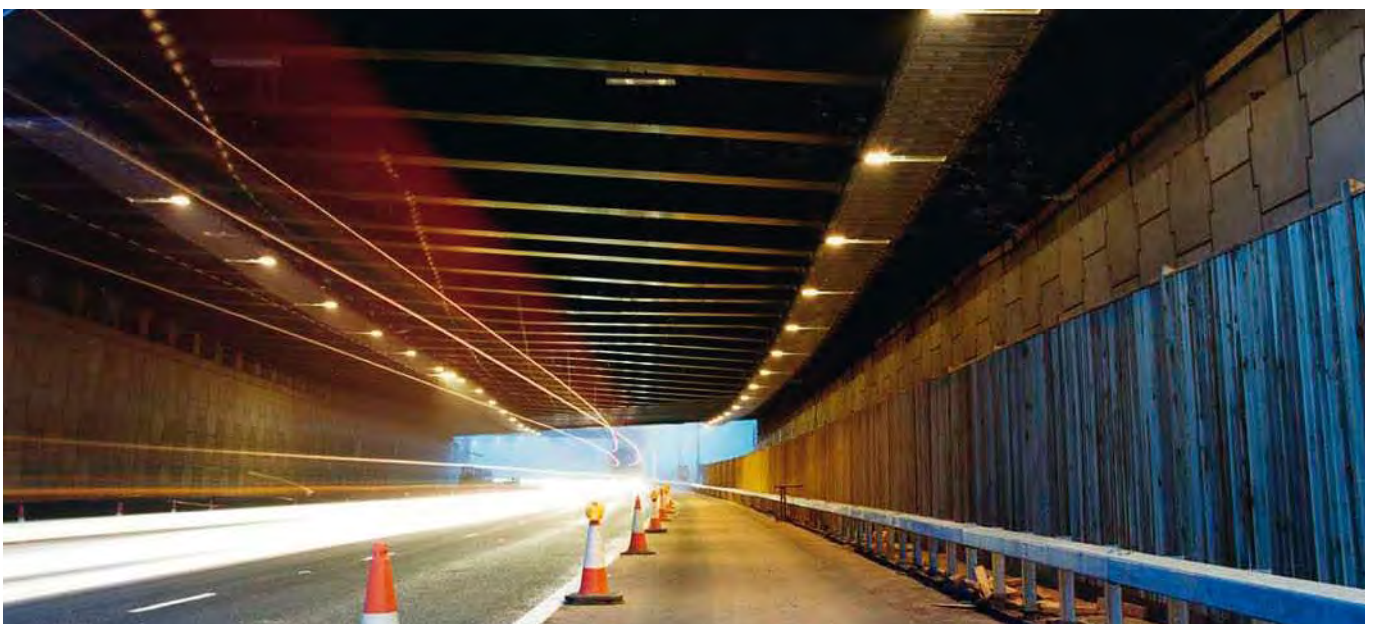
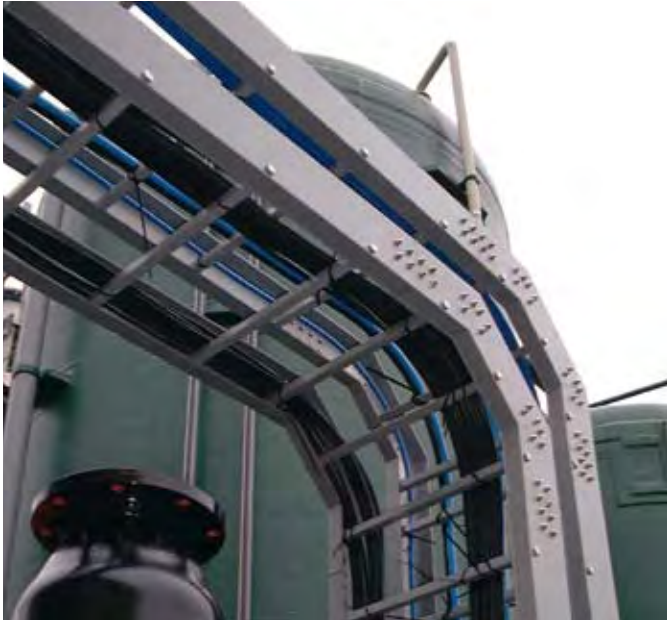
Schneider Electric can offer a range of bespoke structural support products in GRP for a wide range of applications.

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Hand rail/grating authorisation





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