

SECTION 02: THE FASTEST CABLE TRAY SYSTEM

A full range of perforated cable tray products manufactured to the highest standards, offering time saving and adaptable designs, practical slot patterns and versatile accessories.



Flexible
Solutions



Rapid
Installation
Systems



Withstands
extreme
temperatures
[-50° to +50°C]



UNIQUELY VANTRUNK

SLOT PATTERN

Vantrunk Cable Tray features a unique versatile slot pattern that provides onsite flexibility

INTEGRAL COUPLING

Vantrunk Cable Tray fittings in the MR & HR range include integrated couplings that provide the following benefits:

- Reduced labour time
- Eliminate the need for separate couplers
- Reduced number of fixings
- Full support through a fish plate design
- Improved Earth Continuity

PROFILE

The Vantrunk Cable Tray features fully returned flanges and is available in a wide range of sidewall heights

HOW TO ORDER

CODE SYSTEM EXPLAINED

The information given on these pages should be used as a guide when ordering cable tray, fittings, covers and accessories. For more detailed information and examples refer to the relevant page within the catalogue.

Straight Cable Tray

System Type	Tray Length	Width	Finish & Material	Gauge
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eg. HR – SL3 – 050 – GA – 0.9

Cable Tray, Heavy Duty, Straight Length, 3000mm Long, 50mm Wide, Hot Dip Galvanised, 0.9mm.

Cable Tray Fittings

System Type	Fitting Type	Width(s)	Radius	Finish & Material	Gauge
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eg. WO – FB90 – 200 – 150R – SS – 1.5

Cable Tray, 100mm SideWall, Flat Bend 90°, 200mm Wide, 150mm Rad, Grade 1.4404 (316L) Stainless Steel, 1.5mm.

Cable Tray Accessories

System Type	Accessory Type	Finish & Material	Gauge
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eg. HR – DF – GA – 0.9

Cable Tray, Heavy Duty, Divider Straight Length, 3000mm Long, Hot Dip Galvanised.

Straight Cable Tray Covers

System Type	Cover Type	Tray Type	Width	Finish & Material	Gauge
-------------	------------	-----------	-------	-------------------	-------

eg. HR – CC – SL3 – 050 – GA – 0.9

Cable Tray, Heavy Duty, Closed Cover, Straight Length, 3000mm Long, 50mm Wide, Hot Dip Galvanised, 0.9mm.

Cable Tray Fitting Covers (Include the Radius detail if a non-standard radius fitting is required)

System Type	Cover Type	Cover Length	Width	Radius	Finish & Material	Gauge
-------------	------------	--------------	-------	--------	-------------------	-------

eg. WO – CV – FB90 – 200 – 150R – SS – 1.5

Cable Tray, 100mm SideWall, Raised Cover, Flat Bend 90°, 200mm Wide, 150mm Rad, Grade 1.4404 (316L) Stainless Steel, 1.5mm.

Couplers

System Type	Coupler Type	Finish & Material	Gauge
-------------	--------------	-------------------	-------

eg. HR – FBC – GX – 3.0

Cable Tray, Heavy Duty, Flat Bar Coupler, Silicon Rich Structural Steel, Deep Hot Dip Galvanised.

System Type (▲)

TR	Compatible with all Tray systems	
MR	Medium Duty Return Flange Cable Tray	101
HR	Heavy Duty Return Flange Cable Tray	101

For HR Cable Tray with sidewall heights other than 50mm, please consult Page 226

Tray Length

SL3	Straight Length – 3m	101
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Fitting Type

FB30	Flat Bend 30°	104
FB45	Flat Bend 45°	104
FB60	Flat Bend 60°	105
FB90	Flat Bend 90°	105
VR30	Variable Riser 30°	107
VR45	Variable Riser 45°	107
VR60	Variable Riser 60°	108
VR90	Variable Riser 90°	108
ET	Equal Tee	111
UT	Unequal Tee (add main width Wm & branch width Wb)	112
FW	Four Way (Equal Cross)	115
SR	Straight Reducer (add primary width Wp & secondary width Ws)	117
LR	Left Reducer (add primary width Wp & secondary width Ws)	118
RR	Right Reducer (add primary width wWp & secondary width Ws)	119

Width (standard)

50mm, 75mm, 100mm, 150mm, 200mm, 225mm, 300mm, 450mm, 600mm, 750mm, 900mm

Page

Radius (standard)

75mm (for widths below 200mm)
150mm (for widths 200mm and above)
300mm (for risers)

Coupler Type

FBC	Flat Bar Coupler	121
SC	Straight coupler (wrap-over type)	121
FHAC	Flat Horizontal Adjustable Coupler	122
FVAC	Flat Vertical Adjustable Coupler	122
CC	Cranked Coupler	123
FP	Fish Plate coupler (add width)	123

Accessory Type

EBS-05	Earth Bonding Strap	125
HDB	Hold Down Bracket	126
CB	Conduit Take-Off Bracket (add size 20 = 20mm or 25 = 25mm)	129
EP	End plate (add width)	129
DF	Straight Tray Divider	130
DF-FL-0.6	Tray Fitting Divider	130
DF-VR	Tray Riser Divider (add angle)	131

Cover Type

CC	Closed cover (plain close-fitting cover)	132
CV	Ventilated cover (plain raised cover)	132

Supports

SOB	Stand-off Bracket	137
OHB	Overhead Hanger Bracket	137
FBH	Flat Bar Hanger	138
THB	Trapeze Hanger Bracket	139
TCA	Tray Cantilever Arm	140

Further Guidance

Please contact our Sales Team for further advice and guidance on the correct ordering details for the full range of Vantrunk Cable Tray, fittings and accessories.

Finish & Materials (●)



DEEP GALVANISED
STRUCTURAL
STEEL



HOT DIPPED
GALVANISED
CARBON STEEL



DEEP GALVANISED
SILICON RICH
STRUCTURAL STEEL



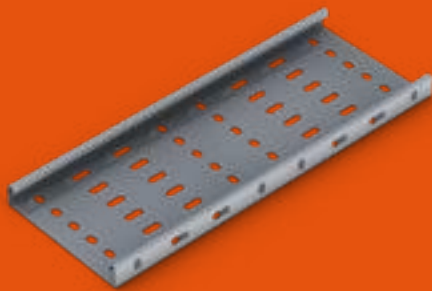
MARINE
GRADE
STAINLESS STEEL

Details on the full range of standard Finishes and Materials are given in the Finish and Materials Section (page 23) and Engineering Data Section (page 210).

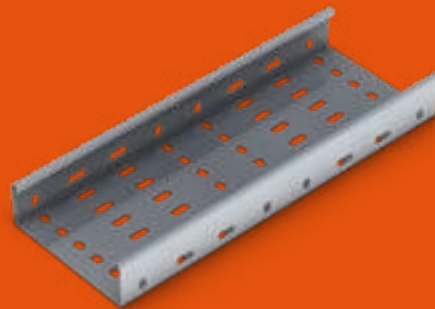
STRAIGHT LENGTHS

The Vantrunk Cable Tray System is manufactured in two profiles as standard based around two different side wall heights, each of which gives the cable tray its specific load carrying capabilities.

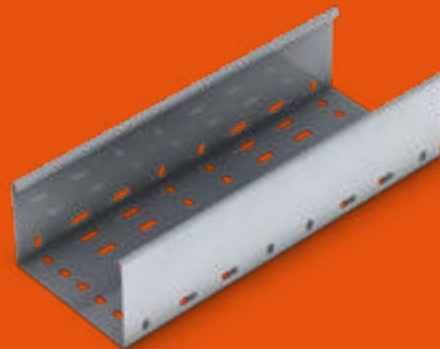
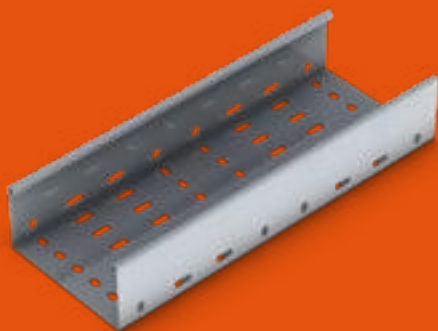
Medium Duty Return Flange
 Cable tray system has a side wall height of 25mm.



Heavy Duty Return Flange
 Cable tray system has a side wall height of 50mm as standard.



Other Heavy Duty sidewall heights from 30mm to 150mm are available to order – consult our Sales Team for details.



For further details on sidewall heights refer to the Engineering Data Section (Page 226) within this catalogue.

Straight Tray

Vantrunk Cable Tray is available in widths from 50mm to 900mm. The width is measured internally between the side walls.

Vantrunk Straight Cable Tray is available in standard lengths of 3m.

The Vantrunk Cable Tray features a slot pattern which is standard across the range of cable trays. Based on a repeating pattern of 12mm by 8mm width wise slots and 20mm by 8mm length wise, the Vantrunk Cable

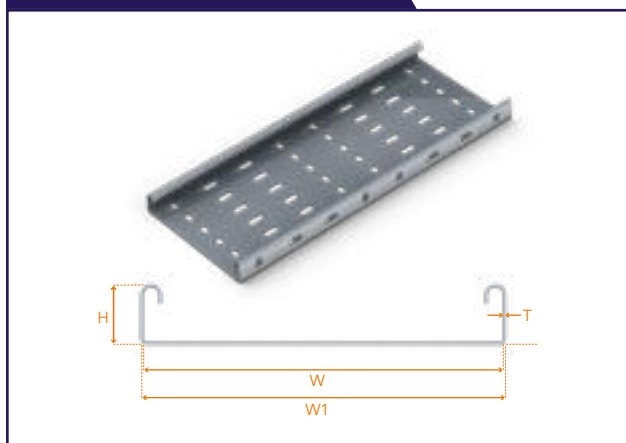
Tray slot pattern suits cable ties, banding and cable cleats with M6 fixings. See the Cable Tray Engineering Section for details.

Vantrunk Medium Duty return flange Cable Tray is suitable for applications where medium duty cable loads are to be supported over short to medium spans. Vantrunk Heavy Duty return flange cable tray is suitable for applications where heavy duty cable loads are to be supported over longer spans.

Medium Duty Return Flange Straight Tray

Gauge & weights are given for the hot dip galvanised mild steel cable tray. Refer to the Engineering Data Section (Page 227) for other materials and gauges.

System Type: MR-SL3



Part Number	Tray Width mm	W mm	W1 mm	H mm	T mm	Weight (kg)
MR-SL3-50-O	50	50	51.8	25	0.9	2.48
MR-SL3-75-O	75	75	76.8			3.00
MR-SL3-100-O	100	100	101.8			3.52
MR-SL3-150-O	150	150	151.8			4.56
MR-SL3-200-O	200	200	201.8			5.60
MR-SL3-225-O	225	225	226.8			6.12
MR-SL3-300-O	300	300	302.4		1.2	10.24

O = Select a Finish & Material

Finishes & Materials:



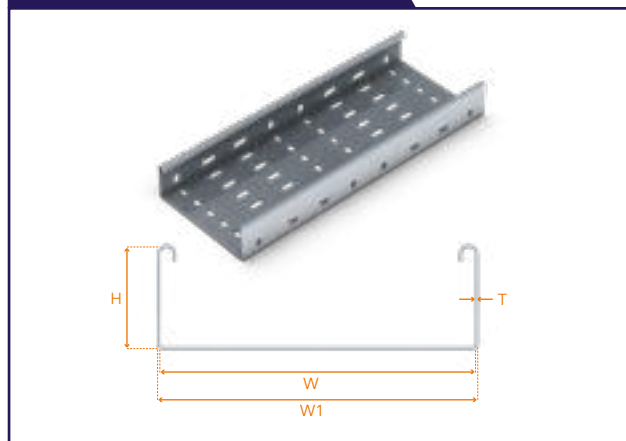
Supplied with:



Heavy Duty Return Flange Straight Tray

Gauge & weights are given for the hot dip galvanised mild steel cable tray, with a standard side wall height of 50mm. Refer to the Engineering Data Section (Page 227) for other materials and gauges.

System Type: HR-SL3



Part Number	Tray Width mm	W mm	W1 mm	H mm	T mm	Weight kg
HR-SL3-50-O	50	50	51.8	50	0.9	3.61
HR-SL3-75-O	75	75	76.8			4.13
HR-SL3-100-O	100	100	101.8			4.65
HR-SL3-150-O	150	150	151.8			5.69
HR-SL3-200-O	200	200	202.4			8.97
HR-SL3-225-O	225	225	227.4			9.67
HR-SL3-300-O	300	300	302.4		1.2	11.74

O = Select a Finish & Material

Finishes & Materials:



Supplied with:





FITTINGS

The Vantrunk Cable Tray system comprises of a full range of perforated cable tray fittings that provide changes in direction, changes in width and can be used to create intersections between straight runs. Vantrunk cable tray fittings feature an integral coupler.

The range of Cable Tray fittings includes Flat Bends, Risers, Equal & Unequal Tees, Four Ways and Reducers.

Vantrunk Cable Tray fittings are available in widths of 50mm to 900mm. The width is measured externally between the side walls to facilitate the use of the integral coupler.

The Medium Duty Return Flange fittings have a nominal sidewall height of 25mm and standard Heavy Duty

Return Flange fittings have a nominal sidewall height of 50mm. Other heavy duty sidewall heights from 30mm to 150mm are available to order.

Vantrunk Cable Tray Risers are supplied with a radius of 300mm as standard whereas all other fittings are supplied with a radius of 75mm for widths up to and including 150mm and a nominal internal radius of 150mm for widths of 200mm and above. Other radii are available to order.



FLAT BENDS

Flat Bends are used to create fixed angular changes in direction in the same plane, between horizontal cable tray runs when the cable tray is installed in the horizontal plane and between vertical cable tray runs when the cable tray is installed in the vertical plane.

Vantrunk Cable Tray Flat Bends are available in fixed angles of 30°, 45°, 60° and 90° as standard.

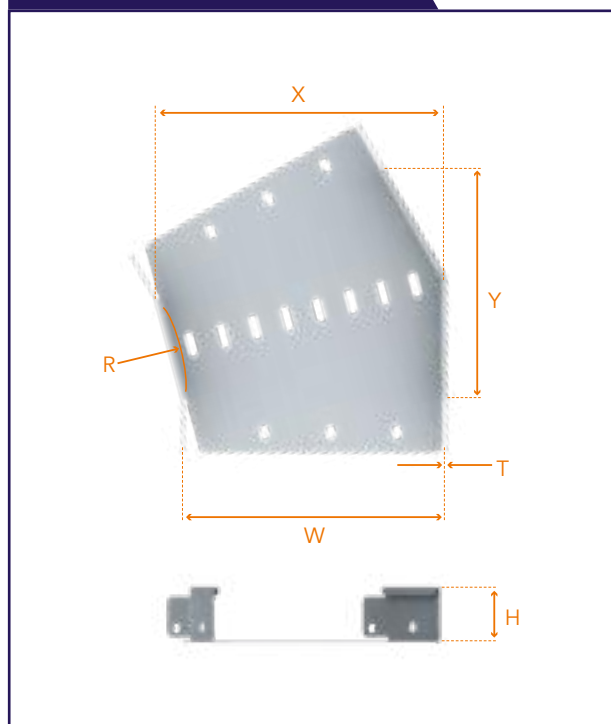
Vantrunk Cable Tray Flat Bends have a nominal internal radius of 75mm for widths up to and including 150mm and a nominal internal radius of 150mm for widths of 200mm and above. Other radii are available to order.

Information shown is for Heavy Duty Return Flange Flat Bends, data for other sidewall heights available on request.



Heavy Duty Return Flange 30° Flat Bend

Fitting Type: HR-FB30



Part Number	Width W mm	T mm	R mm	X mm	Y mm	Weight (kg)
HR-FB30-50-75R-○	50	0.9	75	61	63	0.12
HR-FB30-75-75R-○	75			86	75	0.16
HR-FB30-100-75R-○	100			111	88	0.19
HR-FB30-150-75R-○	150	1.2	150	161	113	0.27
HR-FB30-200-150R-○	200			221	175	0.61
HR-FB30-225-150R-○	225			246	188	0.67
HR-FB30-300-150R-○	300			321	225	0.92

Gauge & weights are given for the hot dip galvanised mild steel cable tray, with a nominal standard sidewall height of 50mm. Refer to the Engineering Data Section (Page 227) for other materials and gauges.

○ = Select a Finish & Material

Finishes & Materials:



Supplied with:

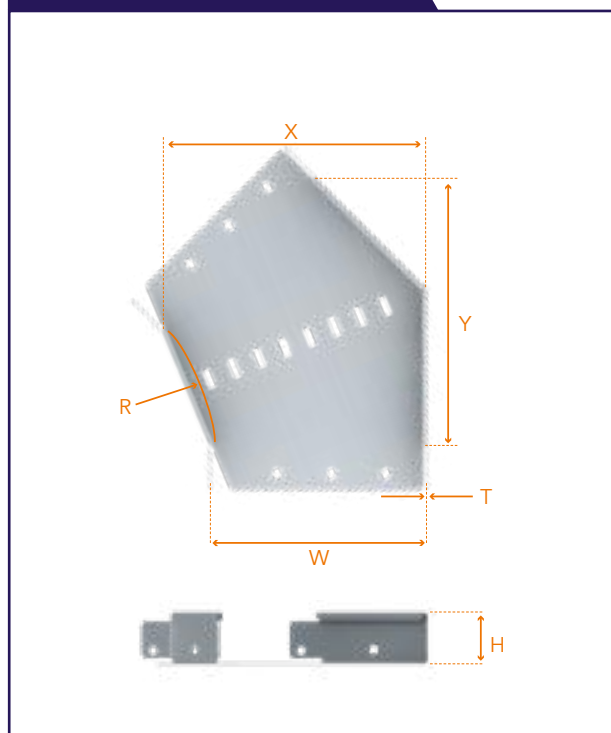
SEE ENGINEERING DATA FOR NUMBER OF FIXINGS

Not Required:



Heavy Duty 45° Flat Bend

Fitting Type: HR-FB45



Part Number	Width W mm	T mm	R mm	X mm	Y mm	Weight kg
HR-FB45-50-75R-○	50	0.9	75	72	89	0.16
HR-FB45-75-75R-○	75			97	107	0.2
HR-FB45-100-75R-○	100			122	124	0.25
HR-FB45-150-75R-○	150	1.2	150	172	160	0.35
HR-FB45-200-150R-○	200			224	248	0.83
HR-FB45-225-150R-○	225			269	266	0.94
HR-FB45-300-150R-○	300			344	319	1.29

Gauge & weights are given for the hot dip galvanised mild steel cable tray, with a nominal standard sidewall height of 50mm. Refer to the Engineering Data Section (Page 227) for other materials and gauges.

○ = Select a Finish & Material

Finishes & Materials:



Supplied with:

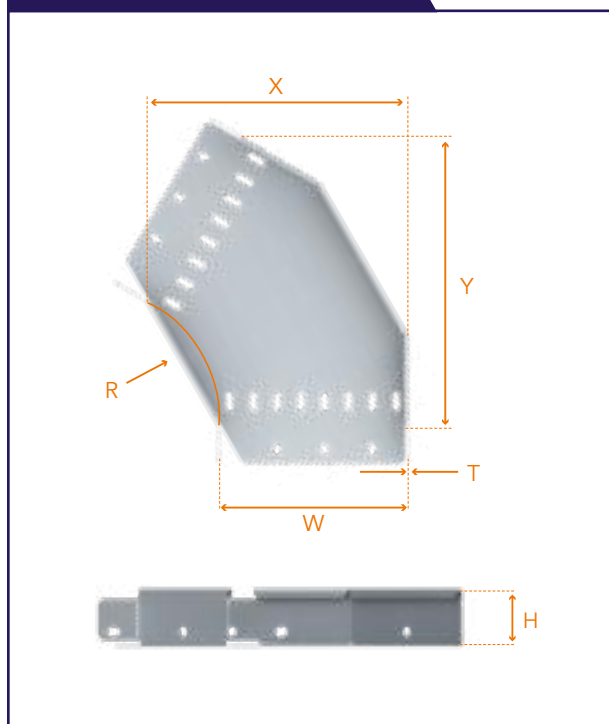
SEE ENGINEERING DATA FOR NUMBER OF FIXINGS

Not Required:



Heavy Duty 60° Flat Bend

Fitting Type: HR-FB60



Part Number	Width W mm	T mm	R mm	X mm	Y mm	Weight (kg)
HR-FB60-50-75R-○	50	0.9	75	88	109	0.18
HR-FB60-75-75R-○	75			113	130	0.24
HR-FB60-100-75R-○	100			138	152	0.29
HR-FB60-150-75R-○	150	1.2	150	188	195	0.42
HR-FB60-200-150R-○	200			275	304	1.02
HR-FB60-225-150R-○	225			300	325	1.13
HR-FB60-300-150R-○	300			375	390	1.56

Gauge & weights are given for the hot dip galvanised mild steel cable tray, with a nominal standard sidewall height of 50mm. Refer to the Engineering Data Section (Page 227) for other materials and gauges.

○ = Select a Finish & Material

Finishes & Materials:



Supplied with:

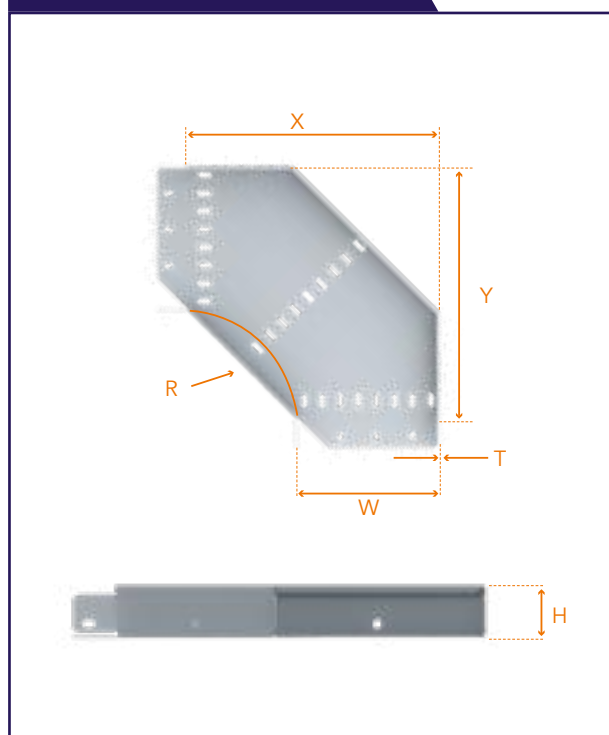
SEE ENGINEERING DATA FOR NUMBER OF FIXINGS

Not Required:



Heavy Duty 90° Flat Bend

Fitting Type: HR-FB90



Part Number	Width W mm	T mm	R mm	X mm	Y mm	Weight kg
HR-FB90-50-75R-○	50	0.9	75	125	125	0.25
HR-FB90-75-75R-○	75			150	150	0.32
HR-FB90-100-75R-○	100			175	175	0.41
HR-FB90-150-75R-○	150	1.2	150	225	225	0.59
HR-FB90-200-150R-○	200			350	350	1.5
HR-FB90-225-150R-○	225			375	375	1.69
HR-FB90-300-150R-○	300			450	450	2.32

Gauge & weights are given for the hot dip galvanised mild steel cable tray, with a nominal standard sidewall height of 50mm. Refer to the Engineering Data Section (Page 227) for other materials and gauges.

○ = Select a Finish & Material

Finishes & Materials:



Supplied with:

SEE ENGINEERING DATA FOR NUMBER OF FIXINGS

Not Required:



RISERS

Risers are used to create angular changes in direction between cable tray runs in different planes and can be used in both the horizontal and vertical orientations.

Vantrunk Heavy Duty Return Flange Cable Tray Risers are specially designed to create angular changes in direction to a set angles of 30°, 45°, 60° or 90° at a radius of 300mm, other radii are available to order.

	VR30	VR45	VR60	VR90
Inside				
Outside				

Vantrunk Medium Duty Return Flange Cable Tray Risers are designed as a full variable riser that can be formed from 0° to over 90° as both an inside (internal) riser or outside (external) riser. When formed to 90°, Medium Duty cable tray risers have a nominal radius of 300mm. Other radii are available to order.

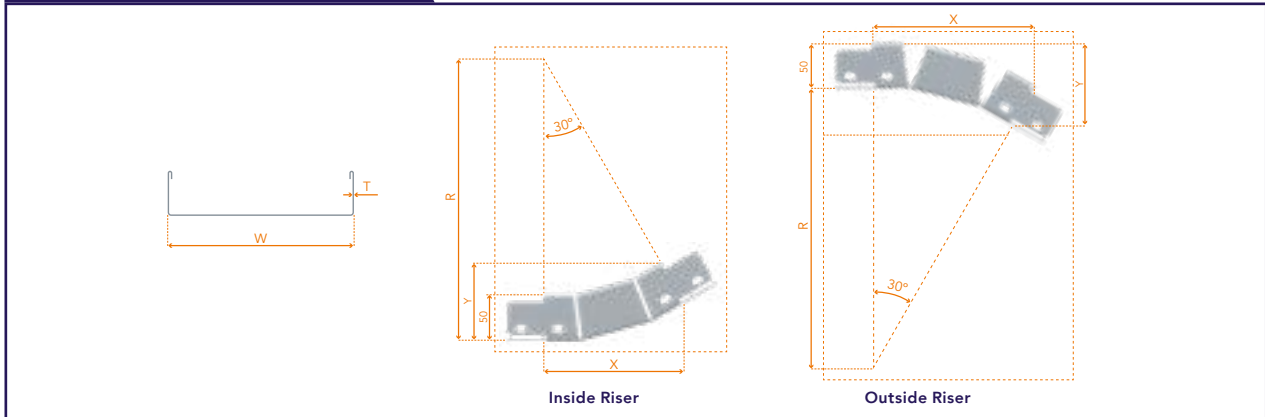
Depending on material and gauge Cable Tray Risers can be supplied flat as variable risers for forming to either an inside (internal) riser or an outside (external) riser or supplied as a pre-formed inside or outside riser to a fixed angle. Consult our Sales Team for further details.

			
Supplied Flat	Inside Riser	Outside Riser	Offset Riser

Variable risers can also be used to create offsets to suit particular site installation requirements. Information shown is for Heavy Duty Return Flange Risers, data for other sidewall heights available on request.

Heavy Duty 30° Variable Riser

Fitting Type: HR-VR30



Part Number	Width W mm	T mm	R mm	Inside Riser		Outside Riser		Weight (kg)
				X	Y	X	Y	
HR-VR30-50-300R-○	50	0.9	300	150	82	174	89	0.23
HR-VR30-75-300R-○	75							0.27
HR-VR30-100-300R-○	100							0.31
HR-VR30-150-300R-○	150							0.39
HR-VR30-200-300R-○	200	1.2	300	150	82	174	89	0.62
HR-VR30-225-300R-○	225							0.67
HR-VR30-300-300R-○	300							0.83

Gauge & weights are given for the hot dip galvanised mild steel cable tray, with a nominal standard sidewall height of 50mm. Refer to the Engineering Data Section (Page 227) for other materials and gauges.

Finishes & Materials:



Supplied with:

SEE ENGINEERING DATA FOR NUMBER OF FIXINGS

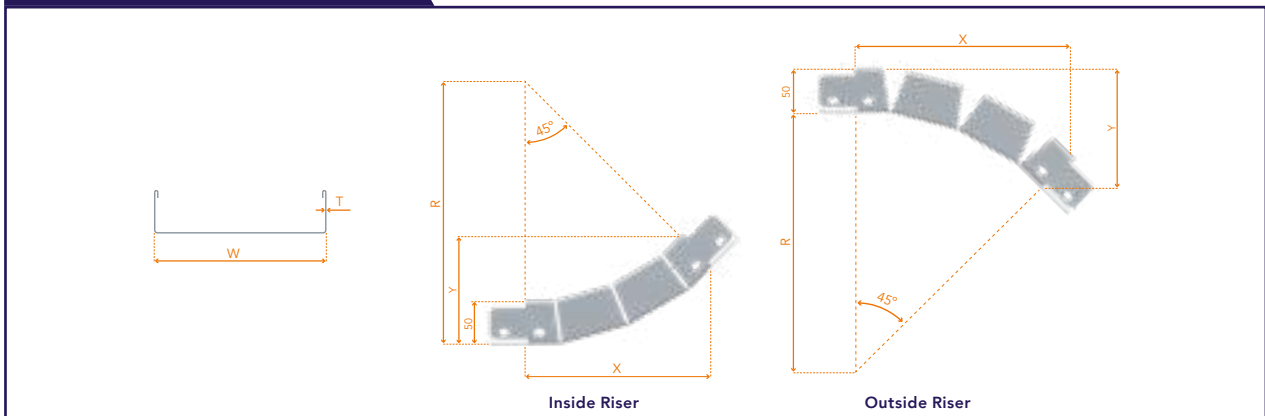
Not Required:



○ = Select a Finish & Material

Heavy Duty 45° Variable Riser

Fitting Type: HR-VR45



Part Number	Width W mm	T mm	R mm	Inside Riser		Outside Riser		Weight (kg)
				X	Y	X	Y	
HR-VR45-50-300R-○	50	0.9	300	213	122	246	136	0.31
HR-VR45-75-300R-○	75							0.37
HR-VR45-100-300R-○	100							0.42
HR-VR45-150-300R-○	150							0.52
HR-VR45-200-300R-○	200	1.2	300	213	122	246	136	0.84
HR-VR45-225-300R-○	225							0.91
HR-VR45-300-300R-○	300							1.12

Gauge & weights are given for the hot dip galvanised mild steel cable tray, with a nominal standard sidewall height of 50mm. Refer to the Engineering Data Section (Page 227) for other materials and gauges.

Finishes & Materials:



Supplied with:

SEE ENGINEERING DATA FOR NUMBER OF FIXINGS

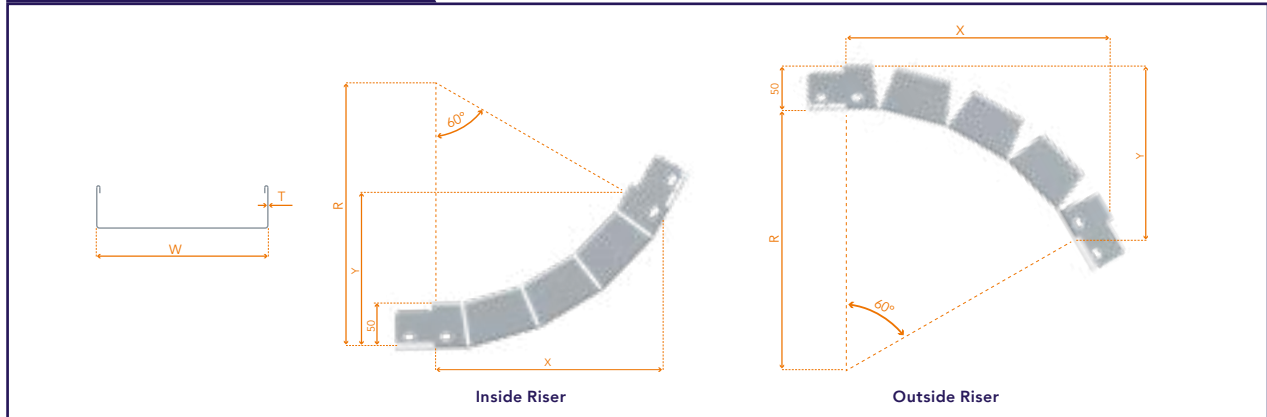
Not Required:



○ = Select a Finish & Material

Heavy Duty 60° Variable Riser

Fitting Type: HR-VR60



Part Number	Width W mm	T mm	R mm	Inside Riser		Outside Riser		Weight (kg)
				X	Y	X	Y	
HR-VR60-50-300R-○	50	0.9	300	261	175	301	198	0.40
HR-VR60-75-300R-○	75							0.46
HR-VR60-100-300R-○	100							0.53
HR-VR60-150-300R-○	150							0.66
HR-VR60-200-300R-○	200	1.2	300	261	175	301	198	1.05
HR-VR60-225-300R-○	225							1.14
HR-VR60-300-300R-○	300							1.41

Gauge & weights are given for the hot dip galvanised mild steel cable tray, with a nominal standard sidewall height of 50mm. Refer to the Engineering Data Section (Page 227) for other materials and gauges.

Finishes & Materials:



Supplied with:

SEE ENGINEERING
DATA FOR NUMBER
OF FIXINGS

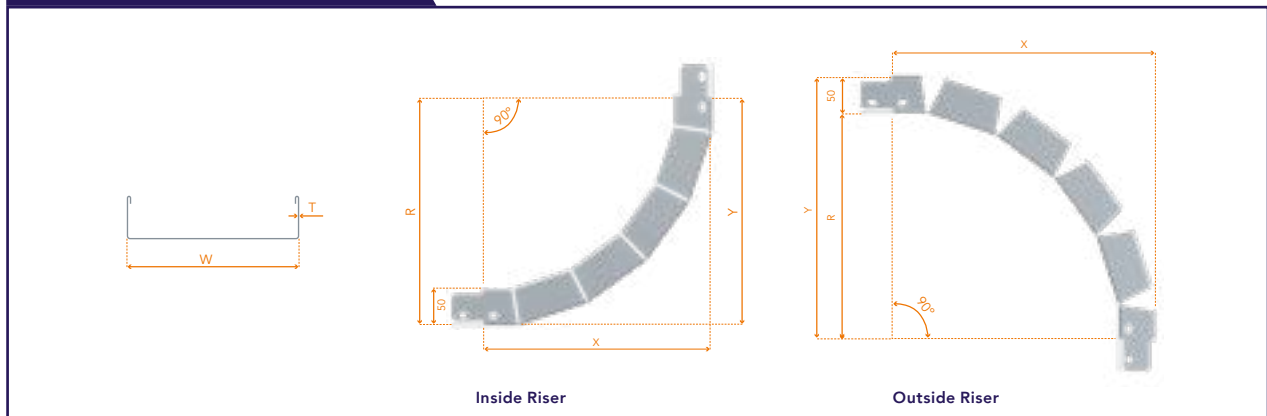
Not Required:



○ = Select a Finish & Material

Heavy Duty 90° Variable Riser

Fitting Type: HR-VR90



Part Number	Width W mm	T mm	R mm	Inside Riser		Outside Riser		Weight (kg)
				X	Y	X	Y	
HR-VR90-50-300R-○	50	0.9	300	300	300	350	350	0.57
HR-VR90-75-300R-○	75							0.67
HR-VR90-100-300R-○	100							0.76
HR-VR90-150-300R-○	150							0.95
HR-VR90-200-300R-○	200	1.2	300	300	300	350	350	1.51
HR-VR90-225-300R-○	225							1.64
HR-VR90-300-300R-○	300							2.02

Gauge & weights are given for the hot dip galvanised mild steel cable tray, with a nominal standard sidewall height of 50mm. Refer to the Engineering Data Section (Page 227) for other materials and gauges.

Finishes & Materials:



Supplied with:

SEE ENGINEERING
DATA FOR NUMBER
OF FIXINGS

Not Required:



○ = Select a Finish & Material



VANTRUNK

ENGINEERED FOR EXTREME ENVIRONMENTS

SANDBANK OFFSHORE WIND FARM

The Sandbank offshore wind farm is the second largest offshore wind farm project undertaken by Vattenfall in collaboration with Stadtwerke München. The wind farm extends over a total area of 66 square kilometres.

LOCATION



GERMAN NORTH SEA
90km off the coast of Sylt.

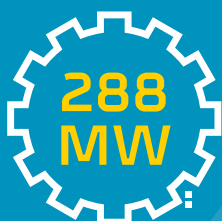
CLIENT



\$1.7bn
OVERALL COST
OF PROJECT



FACT 1



total installed capacity

FACT 2



72
turbines
of 4MW
class

FACT 3

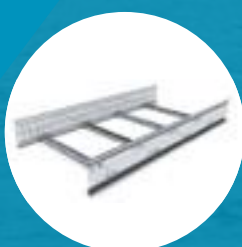


160m
total turbines height
130m
rotor diameter

FACT 4

Covers an area of
66 sq km
in German North Sea

PRODUCTS SUPPLIED



SPEEDWAY



INTELOK CHANNEL

VANTRUNK
SPEEDWAY®
EXTREME CABLE LADDER

Vantrunk's Speedway Cable Ladder and Intelok Support System provides a strong, reliable, easy to install solution providing overall cost savings throughout the project lifespan.

visit us online at vantrunk.com

Lengths

Fittings

Couplers

Accessories

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Cable Ladder

Cable Tray

Steel Framing

Mounting Frame

Fixings

Bespoke

Engineering

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CABLE TRAY TEES

Tees are used to create right angle connections in the same plane, between horizontal cable tray runs when the cable tray is installed in the horizontal plane and between vertical cable tray runs when the cable tray is installed in the vertical plane.

Vantrunk Cable Tray Tees are available in combinations of widths of 50mm to 900mm. Tees with the same main & branch width are called Equal Tees (ET). Tees which have a different main width to the branch width are called Unequal Tees (UT).

Unequal/unequal tees, where all three exits are different, are available to order. Consult our Sales Team for further details.

Information shown is for Heavy Duty Return Flange tees, data for other sidewall heights available on request.

Equal Tee



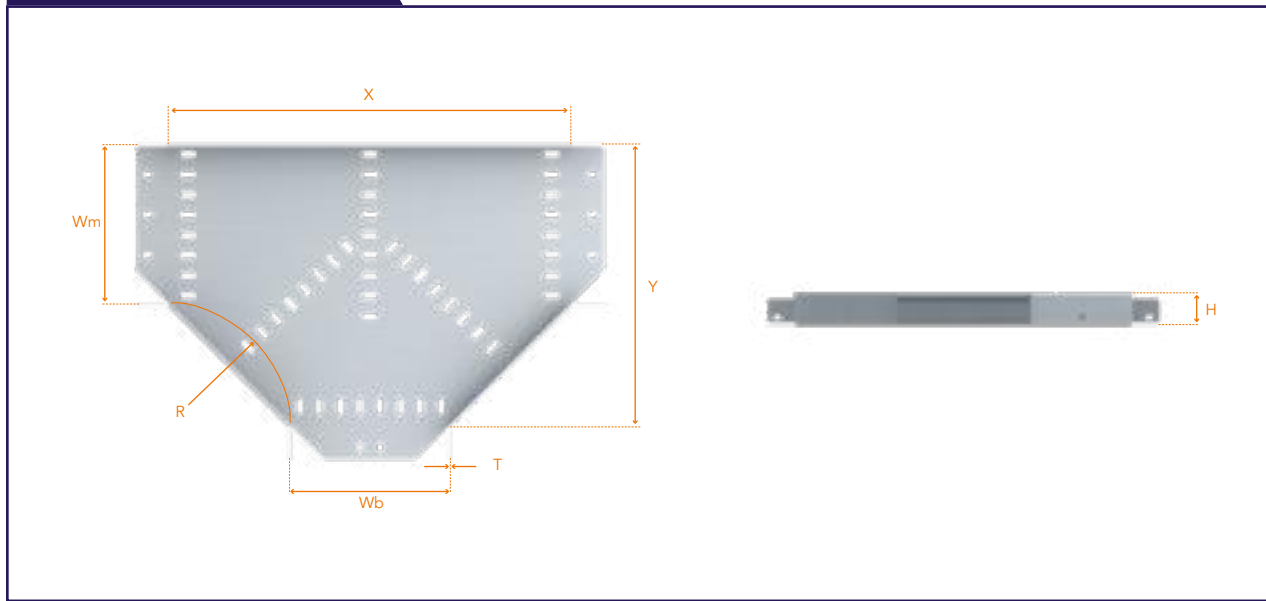
Unequal Tee



Heavy Duty Equal Tees

Vantrunk Heavy Duty Return Flange cable tray equal tees have a main width W_m and a branch width W_b which are identical.

Fitting Type: HR-ET



Part Number	Main Width W_m mm	Branch Width W_b mm	T mm	R mm	X mm	Y mm	Weight (kg)
HR-ET-50-75R-○	50	50	0.9	75	204	128	0.37
HR-ET-75-75R-○	75	75			229	153	0.47
HR-ET-100-75R-○	100	100			254	178	0.58
HR-ET-150-75R-○	150	150			304	228	0.8
HR-ET-200-150R-○	200	200	1.2	150	504	353	2.26
HR-ET-225-150R-○	225	225			529	378	2.51
HR-ET-300-150R-○	300	300			604	453	3.36

Gauge & weights are given for the hot dip galvanised mild steel cable tray, with a nominal standard sidewall height of 50mm. Refer to the Engineering Data Section (Page 227) for other materials and gauges.

Finishes & Materials:



Supplied with:

SEE ENGINEERING
DATA FOR NUMBER
OF FIXINGS

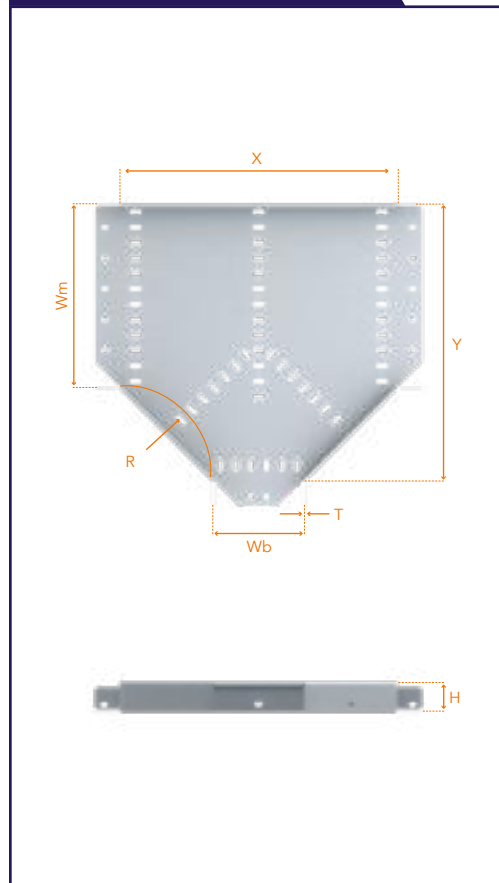
Not Required:



○ = Select a Finish & Material

Heavy Duty Unequal Tees

Fitting Type: HR-UT



Gauge & weights are given for the hot dip galvanised mild steel cable tray, with a nominal standard sidewall height of 50mm. Refer to the Engineering Data Section (Page 227) for other materials and gauges.

○ = Select a Finish & Material

Finishes & Materials:



Supplied with:

SEE ENGINEERING
DATA FOR NUMBER
OF FIXINGS

Not Required:



Part Number	Main Width Wm mm	Branch Width Wb mm	T mm	R mm	X mm	Y mm	Weight (kg)
HR-UT-50-75-75R-○	50	75	0.9	75	229	128	0.42
HR-UT-50-100-75R-○		100			254	128	0.45
HR-UT-50-150-75R-○		150			304	128	0.54
HR-UT-50-200-150R-○		200	1.2	150	504	203	1.41
HR-UT-50-225-150R-○		225			529	203	1.49
HR-UT-50-300-150R-○		300			604	203	1.7
HR-UT-75-50-75R-○	75	50	0.9	75	204	153	0.43
HR-UT-75-100-75R-○		100			254	153	0.51
HR-UT-75-150-75R-○		150			304	153	0.6
HR-UT-75-200-150R-○		200	1.2	150	504	228	1.55
HR-UT-75-225-150R-○		225			529	228	1.64
HR-UT-75-300-150R-○		300			604	228	1.87
HR-UT-100-50-75R-○	100	50	0.9	75	204	178	0.48
HR-UT-100-75-75R-○		75			229	178	0.52
HR-UT-100-150-75R-○		150			304	178	0.66
HR-UT-100-200-150R-○		200	1.2	150	504	253	1.69
HR-UT-100-225-150R-○		225			529	253	1.78
HR-UT-100-300-150R-○		300			604	253	2.03
HR-UT-150-50-75R-○	150	50	0.9	75	204	228	0.58
HR-UT-150-75-75R-○		75			229	228	0.63
HR-UT-150-100-75R-○		100			254	228	0.68
HR-UT-150-200-150R-○		200	1.2	150	504	303	1.98
HR-UT-150-225-150R-○		225			529	303	2.08
HR-UT-150-300-150R-○		300			604	303	2.35
HR-UT-200-50-150R-○	200	50	1.2	150	354	353	1.62
HR-UT-200-75-150R-○		75			379	353	1.72
HR-UT-200-100-150R-○		100			404	353	1.83
HR-UT-200-150-150R-○		200	1.2	150	454	353	2.04
HR-UT-200-225-150R-○		225			529	353	2.36
HR-UT-200-300-150R-○		300			604	353	2.69
HR-UT-225-50-150R-○	225	50	1.2	150	354	378	1.71
HR-UT-225-75-150R-○		75			379	378	1.83
HR-UT-225-100-150R-○		100			404	378	1.94
HR-UT-225-150-150R-○		150	1.2	150	454	378	2.17
HR-UT-225-200-150R-○		200			504	378	2.4
HR-UT-225-300-150R-○		300			604	378	2.86
HR-UT-300-50-150R-○	300	50	1.2	150	354	453	2.02
HR-UT-300-75-150R-○		75			379	453	2.15
HR-UT-300-100-150R-○		100			404	453	2.29
HR-UT-300-150-150R-○		150	1.2	150	454	453	2.56
HR-UT-300-200-150R-○		200			504	453	2.82
HR-UT-300-225-150R-○		225			529	453	2.95



VANTRUNK

ENGINEERED FOR EXTREME ENVIRONMENTS

SHAH DENIZ & SOUTH CAUCASUS PIPELINE EXPANSION

Shah Deniz Stage 2 Full Field Development is a giant project that will add a further 16 billion cubic metres per year (bcma) of gas production to the approximately 9 bcma produced by Shah Deniz Stage 1.

LOCATION



CASPIAN SEA
Azerbaijan & Georgia.

CLIENT



\$28bn
INVESTMENT



FACT 1



\$28 billion
Investment for gas
production & transportation

FACT 2



Expansion of
the existing
Sangachal
terminal and
the addition of
two new bridge
linked offshore
platforms

FACT 3



Construction of the
South Caucasus Pipeline
expansion scheme

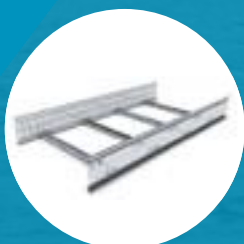
FACT 4



European energy security
will be increased by
Caspian gas in European
markets for first time



PRODUCTS SUPPLIED



SPEEDWAY



HEAVY DUTY CABLE TRAY

VANTRUNK
SPEEDWAY®
EXTREME CABLE LADDER

Vantrunk stainless Speedway cable ladder systems, cable tray systems and Intelok secondary support system. Vantrunk have supplied all five phases of the BP Azeri developments from 2002 to 2017.

Lengths

Fittings

Couplers

Accessories

Covers

Supports

Fixings

Bespoke

Engineering

Index

Cable Ladder

Cable Tray

Steel Framing

Mounting Frame

FOUR WAYS

Four Ways are used to create right angle intersections in the same plane, between horizontal cable tray runs when the cable tray is installed in the horizontal plane and between vertical cable tray runs when the cable tray is installed in the vertical plane.

Vantrunk Cable Tray Four Ways have a nominal internal radius of 75mm for widths up to and including 150mm and a nominal internal radius of 150mm for widths of 200mm and above. Other radii are available to order.

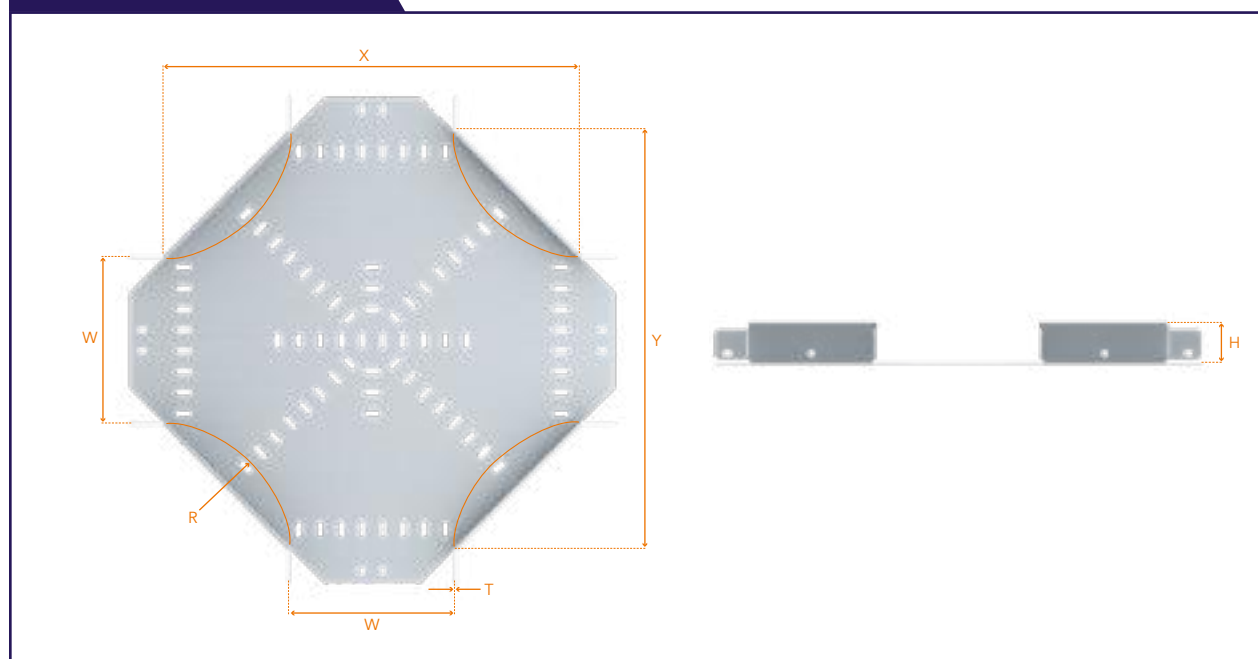
Information shown is for Heavy Duty Return Flange Four Ways, data for other sidewall heights available on request.



Heavy Duty Four Ways

Vantrunk Heavy Duty Return Flange Cable Tray Four Ways have a main width W which is identical on all four cable entry/exit points.

Fitting Type: HR-FW



Part Number	Width W mm	T mm	R mm	X mm	Y mm	Weight (kg)
HR-FW-50-75R-○	50	0.9	75	210		0.46
HR-FW-75-75R-○	75			235		0.56
HR-FW-100-75R-○	100			260		0.66
HR-FW-150-75R-○	150			310		0.91
HR-FW-200-150R-○	200	1.2	150	510		2.77
HR-FW-225-150R-○	225			535		3.05
HR-FW-300-150R-○	300			610		3.98

○ = Select a Finish & Material

Gauge & weights are given for the hot dip galvanised mild steel cable tray, with a nominal standard sidewall height of 50mm. Refer to the Engineering Data Section (Page 227) for other materials and gauges.

Finishes & Materials:



Supplied with:

SEE ENGINEERING
DATA FOR NUMBER
OF FIXINGS

Not Required:



REDUCERS - STRAIGHT, LEFT & RIGHT

Reducers are used to create a reduction in width along the cable tray run.

Straight reducers (SR) are used to create a concentric reduction, having an equal width reduction on both sides. Left hand reducers (LR) and right hand reducers (RR) are used to create offset reductions to suit particular site installation requirements.

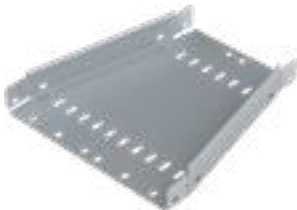
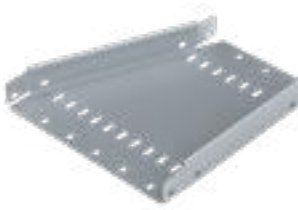
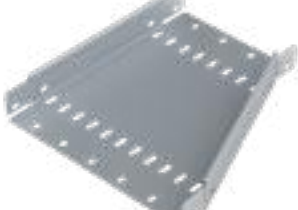
Left hand reducers have the width reduction on the left when viewed from the primary width and right hand reducers have the width reduction on the right when viewed from the primary width.

Vantrunk cable tray Straight reducers are available in any combination of widths from 900mm to 75mm and

from 450mm to 50mm as standard. Offset reducers are available in any combination of widths, from 900mm to 50mm.

Vantrunk cable tray reducers have a standard length of 250mm.

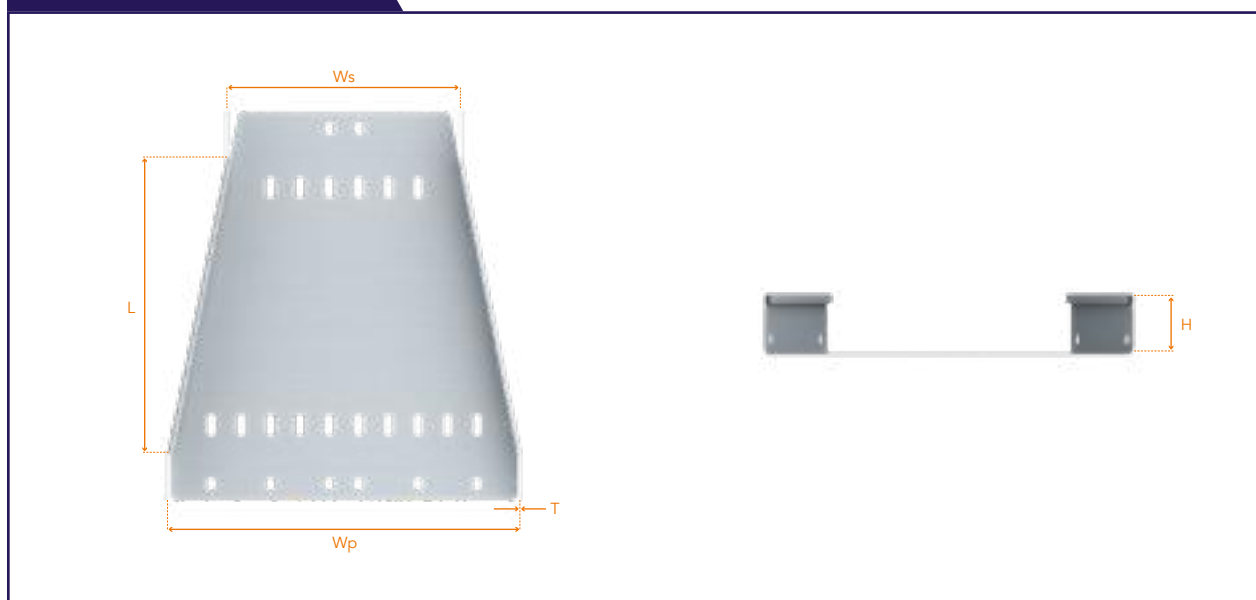
Information shown is for Heavy Duty Return Flange Reducers, data for other sidewall heights available on request.

Straight Reducers	Left Hand Reducers	Right Hand Reducers
 Vantrunk Heavy Duty Return Flange Cable Tray Straight Reducers	 Vantrunk Heavy Duty Return Flange Cable Tray Left Hand Reducers	 Vantrunk Heavy Duty Return Flange Cable Tray Right Hand Reducers

Heavy Duty Straight Reducer

Straight reducers (RS) are used to create a concentric reduction, having an equal width reduction along both sides.

Fitting Type: HR-SR



Part Number	Primary Width Wp mm	Secondary Width Ws mm	T mm	L mm	Weight (kg)
HR-SR-75-50-○	75	50	0.9	250	0.39
HR-SR-100-50-○	100	50	0.9	250	0.42
HR-SR-100-75-○		75			0.45
HR-SR-150-50-○	150	50	0.9	250	0.47
HR-SR-150-75-○		75			0.5
HR-SR-150-100-○		100			0.54
HR-SR-200-50-○	200	50	1.2	250	0.72
HR-SR-200-75-○		75			0.75
HR-SR-200-100-○		100			0.79
HR-SR-200-150-○		150			0.87
HR-SR-225-50-○	225	50	1.2	250	0.76
HR-SR-225-75-○		75			0.8
HR-SR-225-100-○		100			0.83
HR-SR-225-150-○		150			0.92
HR-SR-225-200-○		200			1
HR-SR-300-50-○	300	50	1.2	250	0.89
HR-SR-300-75-○		75			0.93
HR-SR-300-100-○		100			0.96
HR-SR-300-150-○		150			1.04
HR-SR-300-200-○		200			1.11
HR-SR-300-225-○		225			1.14

○ = Select a Finish & Material

Gauge & weights are given for the hot dip galvanised mild steel cable tray, with a nominal standard sidewall height of 50mm. Refer to the Engineering Data Section (Page 227) for other materials and gauges.

Finishes & Materials:



Supplied with:

SEE ENGINEERING DATA FOR NUMBER OF FIXINGS

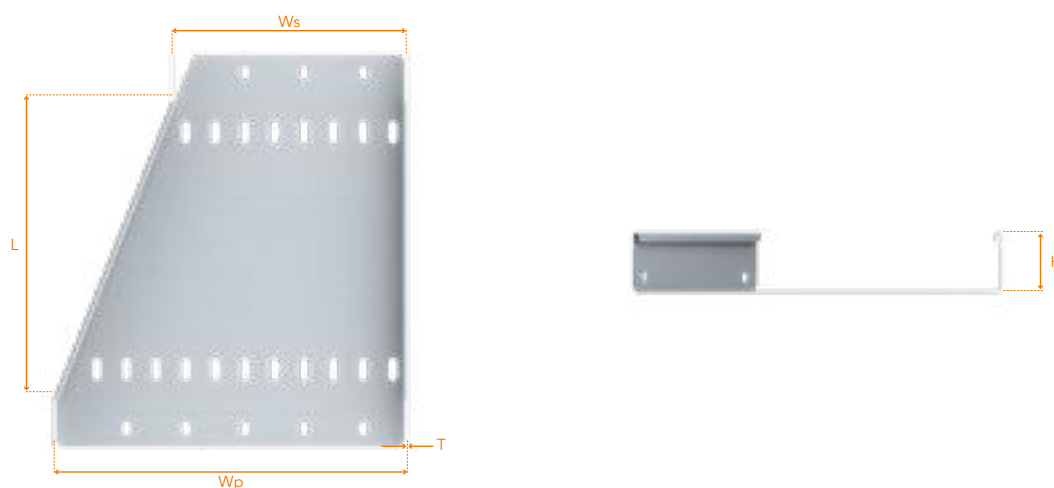
Not Required:



Heavy Duty Left Hand Reducer

Left hand reducers (LR) are used to create offset reductions to suit particular site installation requirements. Left hand reducers have the width reduction on the left when viewed from the primary width.

Fitting Type: HR-LR



Part Number	Primary Width Wp mm	Secondary Width Ws mm	T mm	L mm	Weight (kg)
HR-LR-75-50-○	75	50	0.9	250	0.4
HR-LR-100-50-○	100	50	0.9	250	0.43
HR-LR-100-75-○		75			0.46
HR-LR-150-50-○	150	50	0.9	250	0.49
HR-LR-150-75-○		75			0.52
HR-LR-150-100-○		100			0.55
HR-LR-200-50-○	200	50	1.2	250	0.75
HR-LR-200-75-○		75			0.78
HR-LR-200-100-○		100			0.81
HR-LR-200-150-○		150			0.89
HR-LR-225-50-○	225	50	1.2	250	0.79
HR-LR-225-75-○		75			0.82
HR-LR-225-100-○		100			0.86
HR-LR-225-150-○		150			0.93
HR-LR-225-200-○		200			1.01
HR-LR-300-50-○	300	50	1.2	250	0.94
HR-LR-300-75-○		75			0.97
HR-LR-300-100-○		100			1.01
HR-LR-300-150-○		150			1.07
HR-LR-300-200-○		200			1.13
HR-LR-300-225-○		225			1.17

Gauge & weights are given for the hot dip galvanised mild steel cable tray, with a nominal standard sidewall height of 50mm. Refer to the Engineering Data Section (Page 227) for other materials and gauges.

Finishes & Materials:



Supplied with:

SEE ENGINEERING DATA FOR NUMBER OF FIXINGS

Not Required:

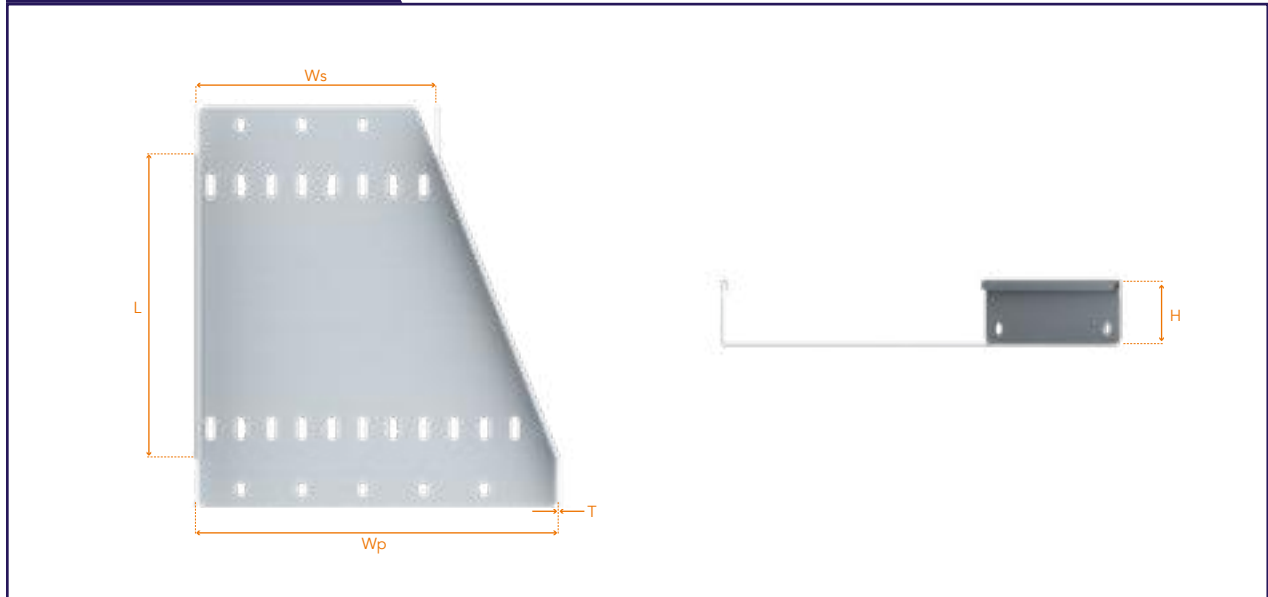


○ = Select a Finish & Material

Heavy Duty Right Hand Reducer

Right hand reducers (RR) are used to create offset reductions to suit particular site installation requirements. Right hand reducers have the width reduction on the right when viewed from the primary width.

Fitting Type: HR-RR



Part Number	Primary Width Wp mm	Secondary Width Ws mm	T mm	L mm	Weight (kg)
HR-RR-75-50-○	75	50	0.9	250	0.4
HR-RR-100-50-○	100	50	0.9	250	0.43
HR-RR-100-75-○		75			0.46
HR-RR-150-50-○	150	50	0.9	250	0.49
HR-RR-150-75-○		75			0.52
HR-RR-150-100-○		100			0.55
HR-RR-200-50-○	200	50	1.2	250	0.75
HR-RR-200-75-○		75			0.78
HR-RR-200-100-○		100			0.81
HR-RR-200-150-○		150			0.89
HR-RR-225-50-○	225	50	1.2	250	0.79
HR-RR-225-75-○		75			0.82
HR-RR-225-100-○		100			0.86
HR-RR-225-150-○		150			0.93
HR-RR-225-200-○		200			1.01
HR-RR-300-50-○	300	50	1.2	250	0.94
HR-RR-300-75-○		75			0.97
HR-RR-300-100-○		100			1.01
HR-RR-300-150-○		150			1.07
HR-RR-300-200-○		200			1.13
HR-RR-300-225-○		225			1.17

○ = Select a Finish & Material

Gauge & weights are given for the hot dip galvanised mild steel cable tray, with a nominal standard sidewall height of 50mm. Refer to the Engineering Data Section (Page 227) for other materials and gauges.

Finishes & Materials:



Supplied with:

SEE ENGINEERING DATA FOR NUMBER OF FIXINGS

Not Required:





COUPLERS

A full range of couplers are available for the Vantrunk Cable Tray system, providing a secure and versatile means of connecting straight cable tray lengths.

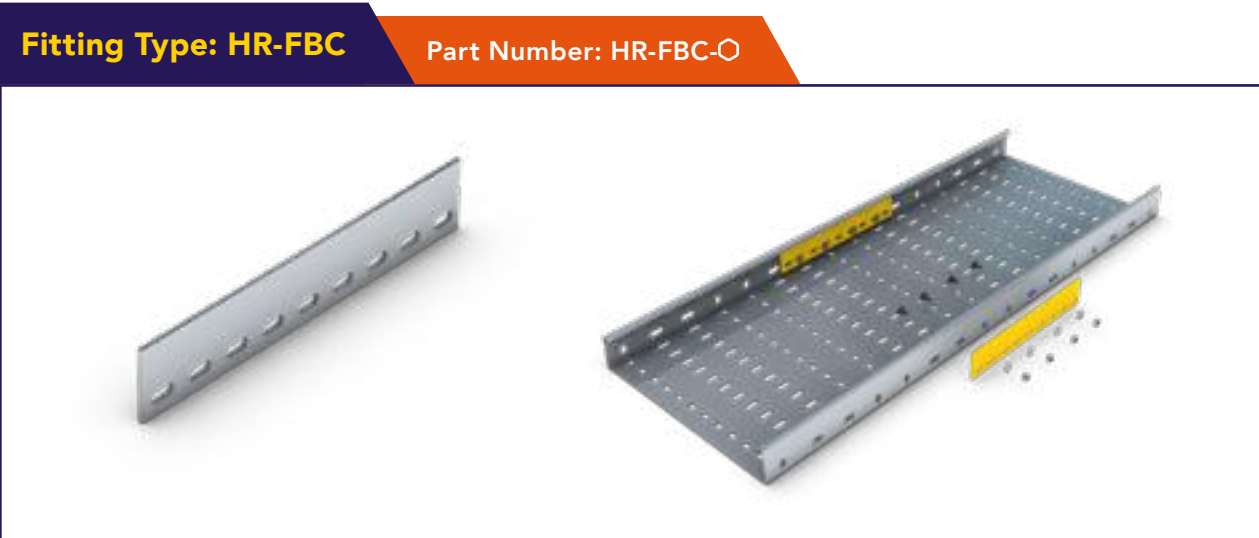
Vantrunk supply two alternative methods of coupling straight lengths of tray together that both ensure a safe straight joint. Unless otherwise stated, the Flat Bar Coupler will be supplied as standard.

Vantrunk also supply a range of additional couplers including horizontal & vertical adjustable couplers which allow offsets to be made in cable tray runs to suit specific site installation requirements.

Information shown is for Heavy Duty Return Flange couplers, data for other sidewall heights is available on request.

Heavy Duty Flat Bar Coupler

The Vantrunk Heavy Duty Return Flange cable tray flat bar coupler is the standard means of connecting straight lengths of cable tray and is available in the full range of sidewall heights to match that of the cable tray range. Unless otherwise specified, the flat bar coupler will be supplied as standard. Flat Bar Couplers are supplied individually and with fixings.



○ = Select a Finish & Material

Finishes & Materials:



Supplied with:



Not Required:



Heavy Duty Straight Coupler

The Vantrunk heavy duty return flange cable tray straight coupler provides an effective means of connection between heavy duty return flange straight cable tray lengths. Straight Couplers are supplied as pairs and with fixings.



○ = Select a Finish & Material

Finishes & Materials:



Supplied with:



Not Required:



Heavy Duty Flat Horizontal Adjustable Coupler

The Vantrunk Heavy Duty Return Flange cable tray horizontal adjustable coupler allows horizontal adjustment between adjacent lengths of cable tray and is available in the full range of sidewall heights to match that of the Heavy Duty cable tray. Horizontal Adjustable Couplers are supplied individually and with fixings.

Fitting Type: HR-FHAC

Part Number: HR-FHAC-○



○ = Select a Finish & Material

Finishes & Materials:



Supplied with:

**FIXING
SETS** x4

Not Required:



Heavy Duty Flat Vertical Adjustable Coupler

The Vantrunk Heavy Duty Return Flange cable tray vertical adjustable coupler is the standard means of allowing vertical adjustment between adjacent lengths of cable tray and is available in the full range of sidewall heights to match that of the Heavy Duty cable tray.

The vertical adjustable coupler features easi-bend slots which allow the couplers to be adjusted on site to create combined horizontal & vertical offset connections, tray connections onto the side of a cable tray run to form tee connections, or connections directly to a wall or floor. Vertical Adjustable Couplers are supplied individually and with fixings.

Fitting Type: HR-FVAC

Part Number: HR-FVAC-○



○ = Select a Finish & Material

Finishes & Materials:



Supplied with:

**FIXING
SETS** x4

Not Required:

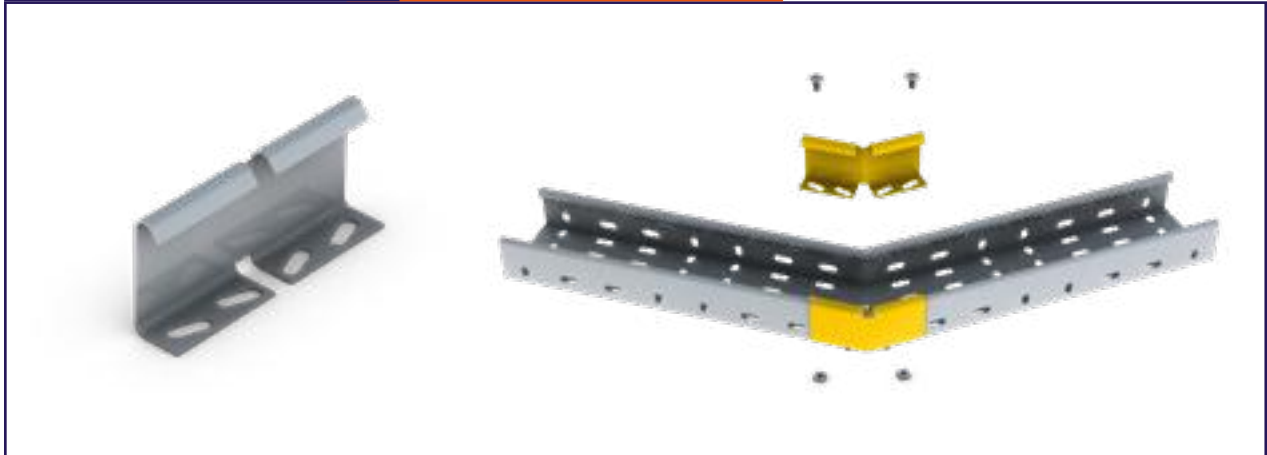


Heavy Duty Cranked Coupler

The Vantrunk Heavy Duty Return Flange cable tray adjustable coupler allows horizontal adjustment between adjacent lengths of cable tray. Cranked Couplers are supplied as pairs and with fixings.

Fitting Type: HR-CC

Part Number: HR-CC-O



O = Select a Finish & Material

Finishes & Materials:



Supplied with:

FIXING
SETS x2

Not Required:

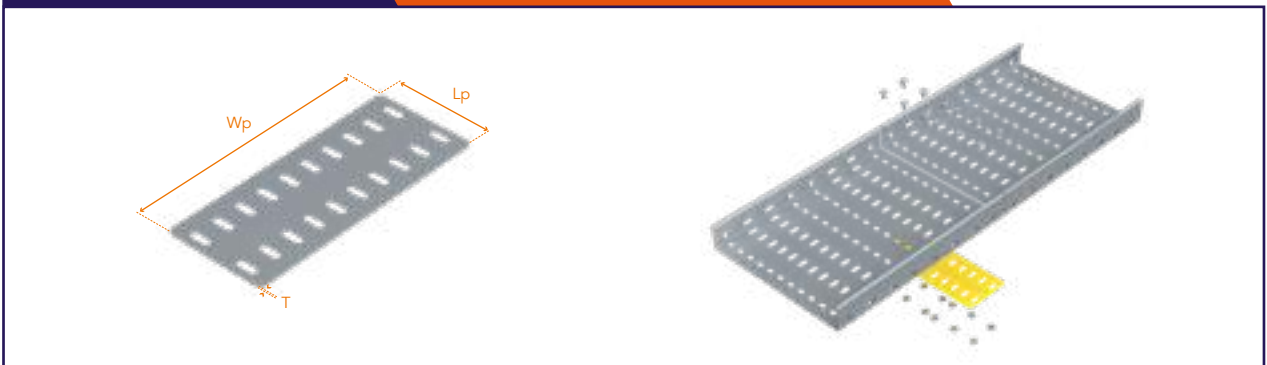


Fish Plate Coupler

The Vantrunk fish plate coupler gives support across the base of the cable tray and is available to suit cable tray of widths 50mm to 900mm. Fish plate couplers are recommended for connecting straight cable trays which are heavily loaded.

Fitting Type: AC-FP

Part Number: AC-FP-TRAY WIDTH-O



Part Number	Tray Width mm	Wp mm	Lp mm	Gauge T mm	Number of Fixings	Weight kg
NA	50	NA				
	75	NA				
AC-FP-100-O	100	48	100	1.5	4	0.053
AC-FP-150-O	150	98				0.108
AC-FP-200-O	200	148				0.163
AC-FP-225-O	225	173			6	0.191
AC-FP-300-O	300	248				0.274

O = Select a Finish & Material

Finishes & Materials:



Supplied with:

PLEASE SEE
TABLE FOR
FIXING SETS

Not Required:





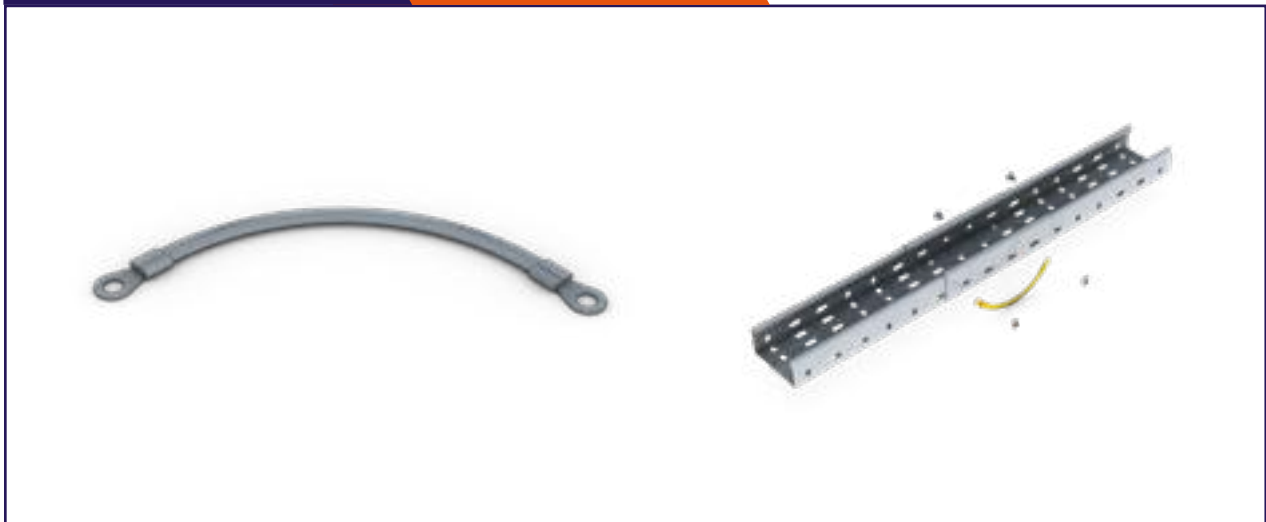
ACCESSORIES

The Vantrunk cable tray system is complemented by a range of accessories designed to aid installation and to add additional functionality & flexibility to the cable tray installation.

Where required the information shown is for Heavy Duty Return Flange accessories, data for other sidewall heights is available on request.

Tray Earth Bonding Strap

The tray earth bonding strap for cable tray (EBS-05) is designed for use in electrical installations where an additional means of earthing or electrical bonding is specified. The earth bonding strap comprises of a 4mm² 100mm long tinned copper braid with M6 tinned copper end connectors. The earth bonding strap is suitable for use with all types of Vantrunk cable tray.

Fitting Type: EBS-05**Part Number: EBS-05**

○ = Select a Finish & Material

Earth bonding straps are not supplied with fixings. Recommended fixings – two M6 x 12 pan head screws and M6 nuts (plus M6 flat washers for stainless steel). Consult our Sales Team for details.

Supplied with:

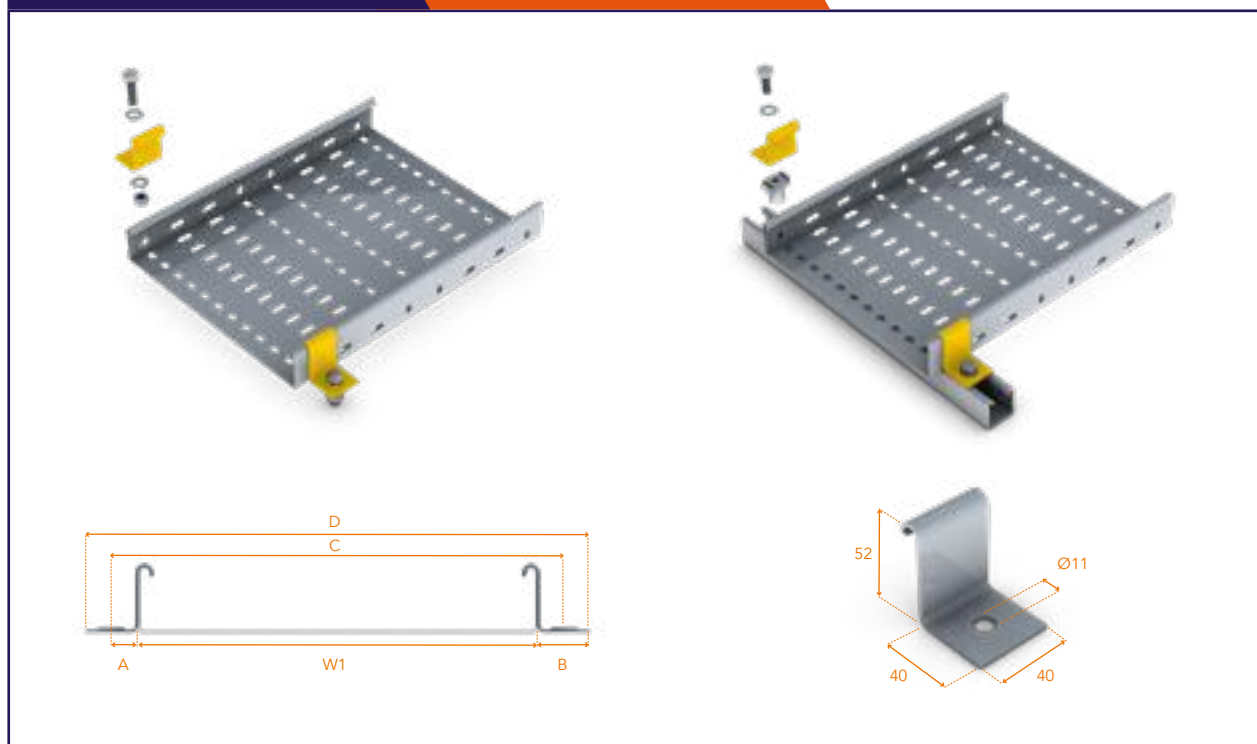
**NO FIXING
SETS**

Hold Down Bracket

Hold down brackets provide an alternative means of securing cable tray to the support structure, particularly where the slots in the base of the cable tray do not coincide with the supports. Ideal for use with Intellok Channel type support systems, the hold down bracket is available for all cable tray profiles.

Fitting Type: HR-HDB

Part Number: HR-HDB-○



Tray Type	Dimensions mm			
	A	B	C	D
Heavy Duty HR	23	40	W1 + 46	W1 + 80

○ = Select a Finish & Material

Finishes & Materials:



Supplied with:

NO FIXING SETS

Tray Insulating Assemblies

A comprehensive range of nylon insulating assemblies are available to suit those applications where there is a requirement to prevent bi-metallic corrosion occurring in either the Vantrunk cable tray system or the support structure. A typical example is a stainless steel Vantrunk cable tray system mounted on galvanised or painted steel supports.

The insulating assembly is based on nylon base pads, nylon bushes and nylon washers which when used totally encapsulate the fixings and provide electrical separation between the Vantrunk cable tray system and the supporting structure.

M10 Nylon Bush

Part Number: BUSH-16x##-NY

Nylon Bush Length '##' = Steel Thickness (mm)

The length of the nylon bush is equal to the thickness of the supporting steelwork (##). The M10 nylon bush requires a 17mm diameter hole in the supporting steelwork.



M6 Nylon Bush

Part Number: BUSH-6x##-NY

Nylon Bush Length '##' = Steel Thickness (mm)

The length of the nylon bush is equal to the thickness of the supporting steelwork (##). The M6 nylon bush requires a minimal 9mm diameter hole in the supporting steelwork.



M10 Fixing Bolt

Part Number: M10x□-HS-SS-A4

Minimum Thread Length '□' = 22 + ##

The minimum thread length for the fixing bolt is 22mm plus the thickness of the supporting steelwork. Refer to the table below for details of the fixing bolts.



M6 Fixing Bolt

Part Number: M6x□-PHS-SS-A4

Minimum Thread Length '□' = 22 + ##

The minimum thread length for the fixing bolt is 22mm plus the thickness of the supporting steelwork. Refer to the table below for details of the fixing bolts.



SSM10x□HS Fixing Bolt Details

Part Number	Thread Length □	Description
M10x25-HS-SS-A4	25mm	M10 x 25 Hex Head Set Screw Stainless Steel
M10x30-HS-SS-A4	30mm	M10 x 30 Hex Head Set Screw Stainless Steel
M10x35-HS-SS-A4	35mm	M10 x 35 Hex Head Set Screw Stainless Steel
M10x40-HS-SS-A4	40mm	M10 x 40 Hex Head Set Screw Stainless Steel

M6x□-PHS-SS-A4 Fixing Bolt Details

Part Number	Thread Length □	Description
M6x25-PHS-SS-A4	25mm	M6 x 25 Pan Head Screw Stainless Steel
M6x30-PHS-SS-A4	30mm	M6 x 30 Pan Head Screw Stainless Steel
M6x35-PHS-SS-A4	35mm	M6 x 35 Pan Head Screw Stainless Steel
M6x40-PHS-SS-A4	40mm	M6 x 40 Pan Head Screw Stainless Steel

□ - Fixing Bolt Thread Length (See table opposite)

- Thickness of supporting steelwork in mm.

For Example:

If the tray is to be mounted to the steelwork without a HDB, order: TR-SS-INS12. If the thickness of the Steelwork = 12mm. The length of the Nylon Bush is also 12mm = BUSH-6x12-NY. This means that the Minimum Thread Length of the Fixing Bolt = 22 + 12 = 34mm. Rounding this figure up to the nearest standard bolt length of 35mm, the supplied bolt = M6x35-PHS-SS-A4

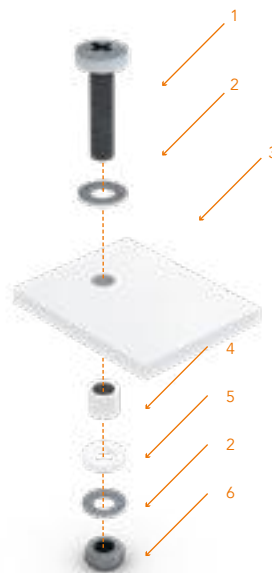
Insulating Assembly Components for Hold Down Bracket



Part Number	Item	Description
M10X□-HS-SS-A4	1	M10 Hex Head Set Screw Stainless Steel - Length = □
M10-FW-SS-A4	2	M10 Flat Washer Stainless Steel
HR-HDB-SS	3	Heavy Duty Cable Tray Hold Down Bracket, Stainless Steel
PAD-75x50x4-NY	4	Nylon Pad (75 x 50 x 4mm)
BUSH-16x##-NY	5	Nylon Bush - Length = ##
M10-FW-NY	6	M10 Flat Washer Nylon
M6-HN-SS-A4	7	M10 Hex Nut Stainless Steel

□ - Fixing Bolt Tread Length (See table opposite)
- Thickness of supporting steelwork in mm.

Insulating Assembly Components for Tray only insulation



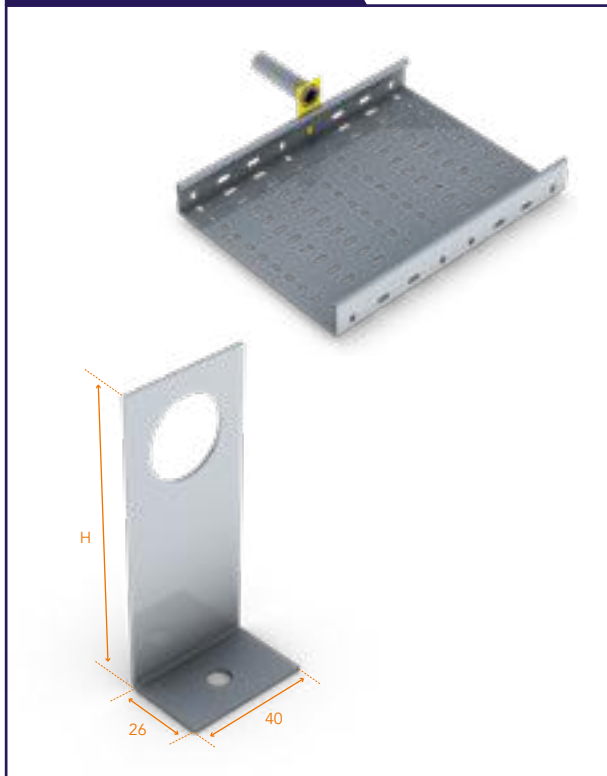
Part Number	Item	Description
M6X□-PHS-SS-A4	1	M6 Pan Head Screw Stainless Steel - Length = □
M6-FW-SS-A4	2	M6 Flat Washer Stainless Steel
PAD-50x40x4-NY	3	Nylon Pad (50 x 40 x 4mm)
BUSH-6x##-NY	4	Nylon Bush - Length = ##
M6-FW-NY	5	M6 Flat Washer Nylon
M6-HN-SS-A4	6	M6 Hex Nut Stainless Steel

□ - Fixing Bolt Tread Length (See table opposite)
- Thickness of supporting steelwork in mm.

Conduit Take-off Bracket

Conduit Take-off Brackets are suitable for use with all types of Vantrunk cable tray and are available with clearance holes to suit either 20mm or 25mm conduit fittings.

Fitting Type: CB



Part Number	Dimensions mm	
	Hole Size	H
AC-CB-20-O	20	94
AC-CB-25-O	25	94

O = Select a Finish & Material

Finishes & Materials:



Supplied with:

NO FIXING SETS

Ordering example:

AC-CB-25-SS Vantrunk Cable Tray Conduit Take-off Plate, 25mm, Stainless Steel.

Ordering example:

To specify a conduit take-off bracket for Vantrunk heavy duty return flange cable tray with a side wall height above 50mm.

AC-CB-142-20-GA Insert the bracket height (in mm) after CB and before the hole size.

Conduit Take-off Plates are not supplied with fixings.

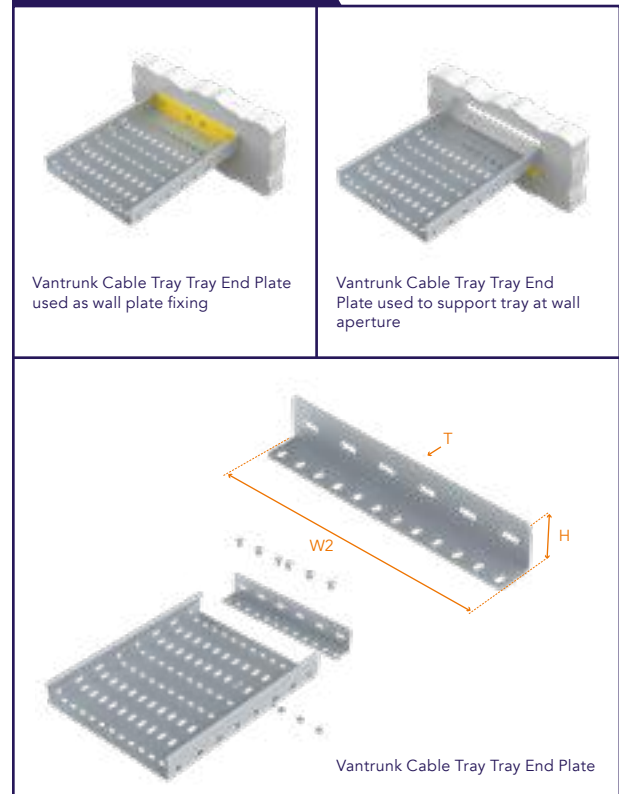
Recommended fixings – M6 x 12 pan head screw and M6 nut (plus M6 flat washer for stainless steel). Consult our Sales Team for details.

Tray End Plate

Vantrunk cable tray end plates provide an effective termination for open ends of cable trays.

Cable tray end plates are available in widths from 50mm to 900mm as standard. Each end plate has 20mm x 7mm fixing slots at 50mm centres which allow use for securing the cable tray to a wall or floor.

Fitting Type: EP



Part Number	Dimensions mm				No of Fixing Slots
	Tray Width W	W2	H	T	
HR-EP-050-O	50	46	Heavy Duty = 50	1.0	1
HR-EP-075-O	75	71			1
HR-EP-100-O	100	96			2
HR-EP-150-O	150	146			2
HR-EP-200-O	200	196	Heavy Duty = 50	1.5	3
HR-EP-225-O	225	221			3
HR-EP-300-O	300	296			5

O = Select a Finish & Material

Finishes & Materials:



Supplied with:

NO FIXING SETS

Tray end plates are not supplied with fixings.

Recommended fixings – M6 x 12 pan head screw and M6 nut (plus M6 flat washer for stainless steel). Consult our Sales Team for details.

CABLE TRAY SYSTEM

Straight Tray Divider

Straight tray dividers are available for cable segregation and separation purposes along the length of the cable run. Straight tray dividers are available to suit all cable tray sections and are available in 3m lengths as standard.

Fitting Type: DF



Part Number	Dimensions mm			
	L	H	F	T
HR-DF-Q-1.2	3000	47	20	1.2

○ = Select a Finish & Material

Finishes & Materials:



Supplied with:

NO FIXING SETS

Information shown is for hot dip galvanised carbon steel in the standard gauge; other gauges are available, please consult our Sales Team for details.

Straight tray dividers are not supplied with fixings (3 fixings required per straight divider).

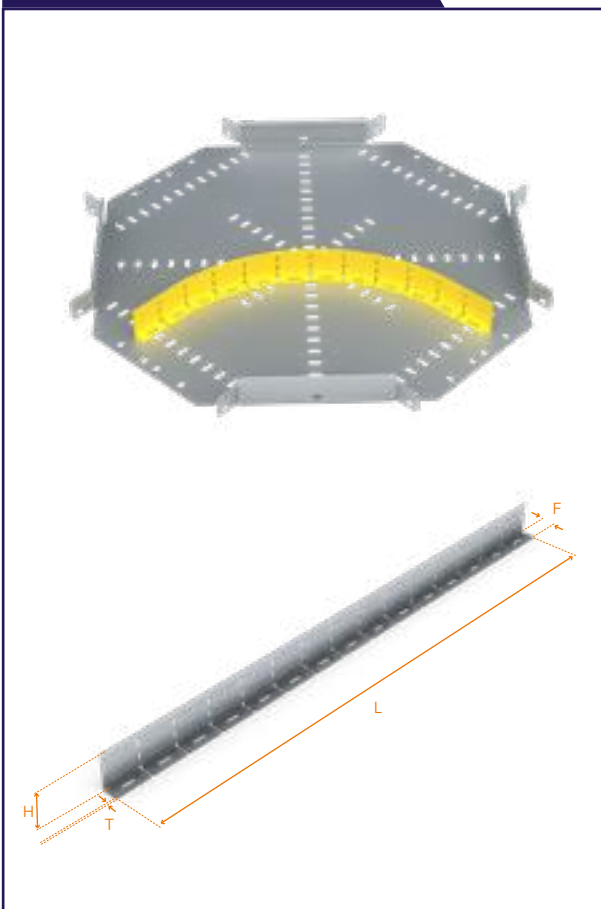
Recommended fixings – M6 x 12 pan head screw and M6 nut (plus M6 flat washer for stainless steel). Consult our Sales Team for details.

Subject to order requirements, straight tray dividers may be supplied in 1.5m lengths to suit delivery & shipping needs.

Tray Fitting Divider

Tray fitting dividers are available for cable segregation and separation purposes on fittings. The tray fitting divider is supplied as a 600mm straight length and is notched to allow for forming around flat bends, tees, crosses & reducers. Tray fitting dividers are available to suit all cable tray sections.

Fitting Type: DF-FL-0.6



Part Number	Dimensions mm			
	L	H	F	T
HR-DF-FL-0.6-Q-1.2	600	47	20	1.2

○ = Select a Finish & Material

Finishes & Materials:



Supplied with:

NO FIXING SETS

Information shown is for hot dip galvanised carbon steel in the standard gauge; other gauges are available, please consult our Sales Team for details.

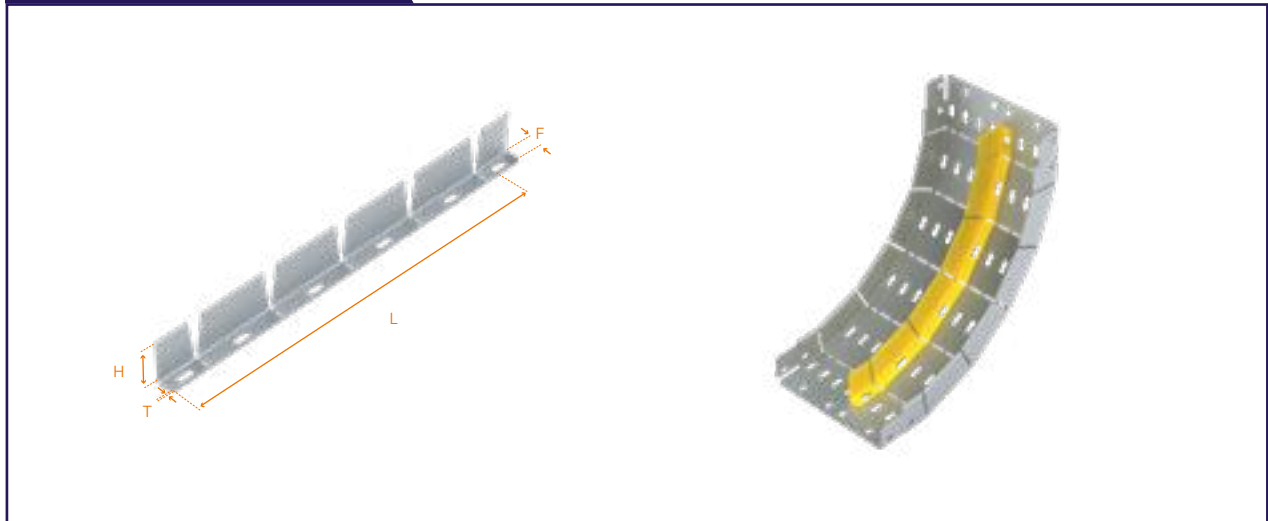
Tray fitting dividers are not supplied with fixings (3 fixings required per fitting divider).

Recommended fixings – M6 x 12 pan head screw and M6 nut (plus M6 flat washer for stainless steel). Consult our Sales Team for details.

Tray Riser Divider

Tray riser dividers are available for cable segregation and separation purposes on risers. Tray riser dividers are available to suit all cable tray sections and are supplied as variable riser dividers to suit both inside and outside riser fittings.

Fitting Type: DF-VR



Part Number	Dimensions mm			
	L	H	F	T
HR-DF-VR30-○-1.2	159	47	20	1.2
HR-DF-VR45-○-1.2	237			
HR-DF-VR60-○-1.2	316			
HR-DF-VR90-○-1.2	475			

○ = Select a Finish & Material

Finishes & Materials:



Supplied with:

NO FIXING SETS

Information shown is for hot dip galvanised carbon steel in the standard gauge; other gauges are available, please consult our Sales Team for details.

Tray riser dividers are not supplied with fixings (3 fixings required per fitting divider).

Recommended fixings – M6 x 12 pan head screw and M6 nut (plus M6 flat washer for stainless steel). Consult our Sales Team for details.

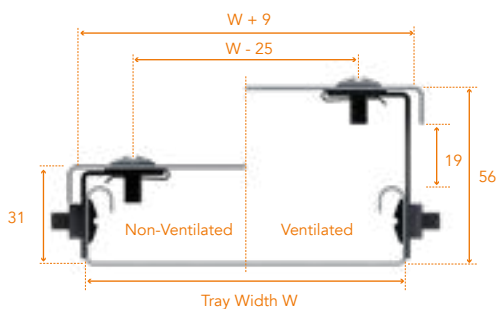
COVERS

The Vantrunk Cable Tray System is accompanied by an extensive range of covers that are used in conjunction with cable tray straight lengths and fittings in order to provide mechanical and environmental protection to the cables and other items installed on the cable tray.

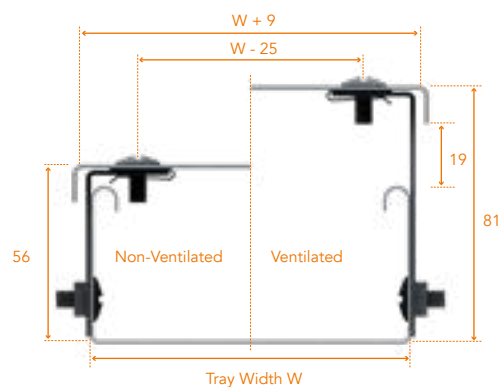
Covers are available to suit the Medium Duty Return Flange and Heavy Duty Return Flange Cable Tray Systems and can be installed as either closed (non-ventilated, plain and close-fitting) or ventilated (plain and raised cover) depending on the type of cover fixing kit supplied with each cover. Ventilated covers have a ventilation gap of 19mm.

Covers are available in standard and non-standard gauges to suit particular site installation requirements, consult our Sales Team for further details.

Medium Duty Cable Tray Covers



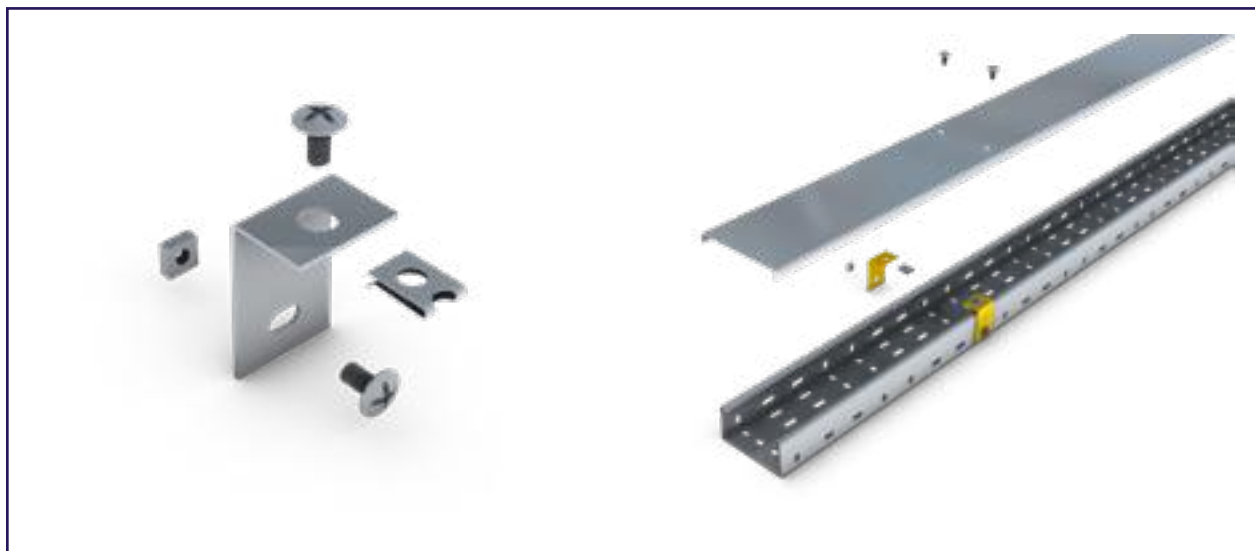
Heavy Duty Cable Tray Covers



Cover Fixing Kits

Vantrunk cable tray covers are supplied complete with all necessary fixing kits. Each fixing kit comprises of a preformed mounting bracket, a corrosion resistant M6 spire nut, two M6 screws and one M6 nut.

The general method of assembly for the Vantrunk cable tray cover is shown in the following image. This method is common to both medium and heavy duty cable trays and to cable tray fittings.



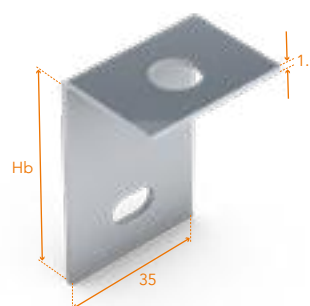
Covers for straight cable tray and cable tray fittings (standard radius) are supplied with the appropriate number of cover fixing kits as follows:

Tray Type	Width	
	50mm to 150mm	200mm to 300mm
Straight Tray	6	6

Fitting Type	Width		
	50mm to 75mm	100mm to 150mm	200mm to 300mm
30° Flat Elbows	2	3	3
45° Flat Elbows	2	3	3
60° Flat Elbows	3	3	4
90° Flat Elbows	3	3	4

Fitting Type	Width	
	50mm to 150mm	200mm to 300mm
Inside & Outside Risers	4	4
Equal & Unequal tees	3	4
Four Ways	4	4
Reducers	4	4

Each cover fixing kit is supplied with the appropriate cover mounting bracket for either a non-ventilated cover or ventilated cover based on the part number ordered. Dimensions for the cover mounting brackets are as follows:



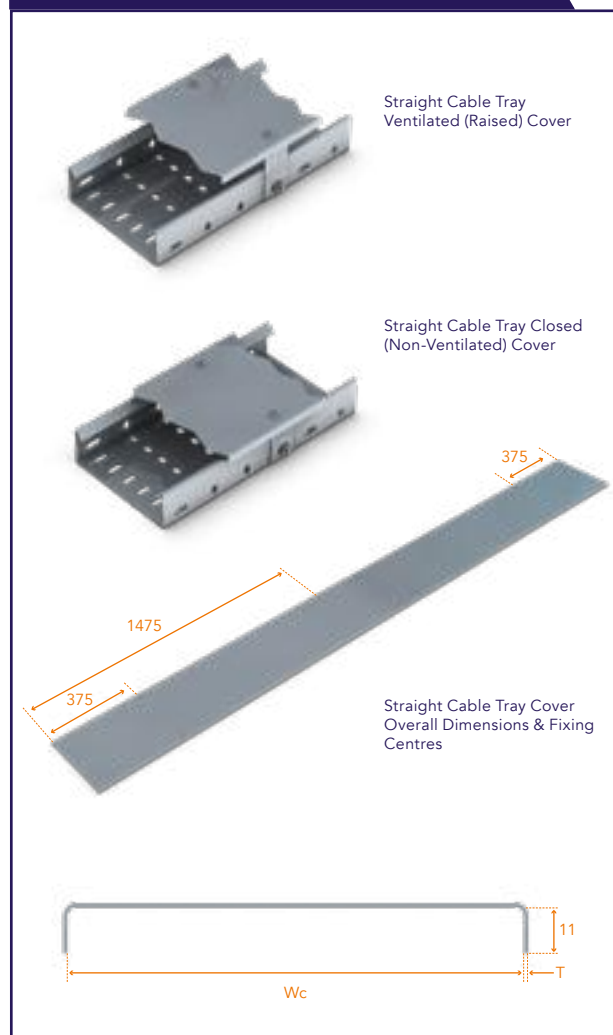
Cover Type	Bracket Height Hb mm
Medium duty closed covers	28
Medium duty ventilated covers	53
Heavy duty closed covers	53
Heavy duty ventilated covers	78

CABLE TRAY SYSTEM

Straight Tray Covers

Vantrunk straight tray covers are 3m in length and are available in widths of 50mm to 900mm as standard. Covers are common for both closed and ventilated applications.

Fitting Type: CC-SL3 or CV-SL3



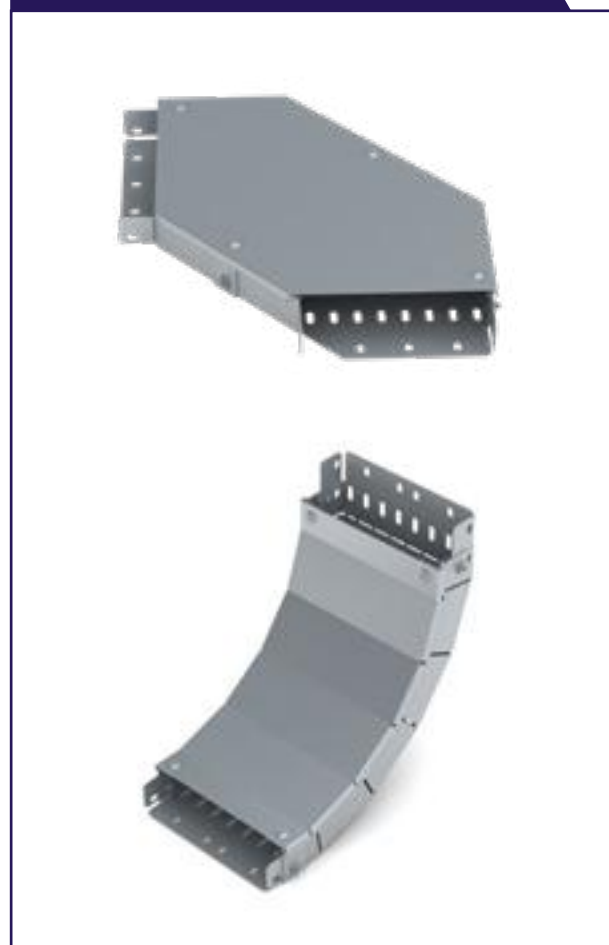
Tray Width mm	Cover Width Wc mm	Gauge T mm	Weight kg
50	59	1.2	2.51
75	84		3.17
100	109		3.92
150	159		5.43
200	209		6.74
225	234		7.70
300	309		9.96

Weights shown are for standard hot dip galvanised finish only, for Stainless Steel & Silicon Rich Steel weight conversion factors please refer to the Cable Tray technical section.

Fitting Covers

Vantrunk cable tray fitting covers are available in widths of 50mm to 900mm as standard. Covers are common for both closed and ventilated applications.

Fitting Type: CC-Fitting Type or CV-Fitting Type



Order details for all fittings except risers are as follows:

Tray Type - Cover Type - Tray Fitting Type - Width - Radius - Finish & Material - Gauge.

Omit the radius detail if the standard radius fitting is required.

Order example:

HR-CV-FE30-300-150R-GA-1.2

Vantrunk Heavy Duty Return Flange Cable Tray Ventilated Cover, 30° Flat Elbow, 300mm Wide, 150mm Radius, c/w Cover Fixing Kits, Hot Dip Galvanised Mild Steel, 1.2mm material thickness.

Order example:

HR-CC-FE90-750-300R-SS-1.0

Vantrunk Heavy Duty Return Flange Cable Tray Closed Cover, 90° Flat Elbow, 750mm Wide, 300mm Radius, c/w Cover Fixing Kits, Stainless Steel (316 Grade), 1.0mm material thickness.

Covers for inside and outside riser fittings are supplied pre-formed to angles of 30°, 45°, 60° or 90° to match the angle of the riser.



VANTRUNK

ENGINEERED FOR EXTREME ENVIRONMENTS

GOLDEN EAGLE PROJECT

The Nexen-operated Golden Eagle project produced first oil on October 30, 2014. Upon completion, the project had expended 179 million hours worked. Located 70 km northeast of Aberdeen, Golden Eagle is the second largest oil discovery in the UK North Sea since Buzzard was discovered in 2001.

LOCATION



NORTH SEA, UK
70km northeast of
Aberdeen.

CLIENT

nexen

\$4.8bn
OVERALL COST
OF PROJECT



FACT 1



140 million
barrels of oil equivalent

FACT 2

21

development
wells



15 production
6 water injectors

FACT 3



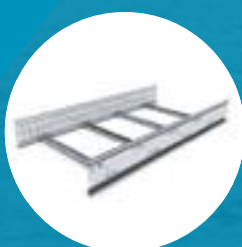
70,000 boe/d
production capacity

FACT 4



Fixed
wellhead platform
structure

PRODUCTS SUPPLIED



SPEEDWAY



HEAVY DUTY CABLE TRAY

VANTRUNK
SPEEDWAY®
EXTREME CABLE LADDER

Vantrunk's Speedway Cable Ladder provides a strong, reliable, easy to install solution providing overall cost savings throughout the project lifespan.

Lengths

Fittings

Couplers

Accessories

Covers

Supports

Fixings

Bespoke

Engineering

Index

Cable Ladder

Cable Tray

Steel Framing

Mounting Frame



CABLE TRAY SUPPORTS

A range of supports, including overhead brackets, cantilevers and trapeze hangers; designed to work in conjunction with Vantrunk's Cable Tray System.

Vantrunk's Cable Tray Supports are also complemented by the comprehensive Intelok channel support system manufactured to BS 6946. Featuring channel cantilever arms, beam clamps and brackets, which offer solutions to suit all particular site requirements. See the Intelok section for further details.

Stand-off Bracket

The Vantrunk cable tray stand-off bracket (SOB) is used to raise the cable tray clear of the floor or wall, providing access to the underside of the cable tray for fitting of cable ties and the securing of nuts. Fully slotted to provide on-site adjustment, the stand-off bracket is common to the full range of Vantrunk cable tray systems.

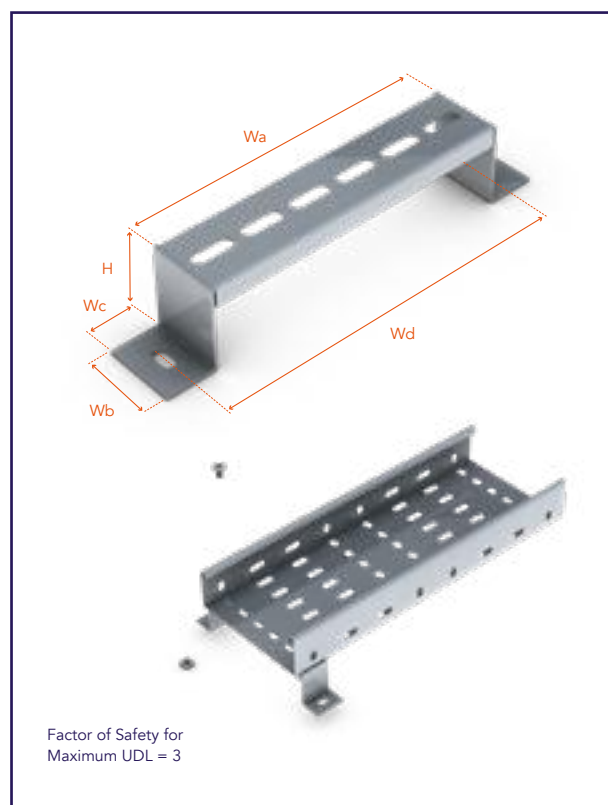
The recommended maximum load given in the loading table below for each size of tray stand-off bracket is based on use with Vantrunk cable tray and with a uniformly distributed load (UDL) onto the tray stand-off bracket.

Stand-off Bracket

Part Number	Tray Width mm	Dimensions mm						Maximum UDL Kg
		Wa	Wb	Wc	Wd	H	T	
AC-SOB-50-O	50	61.0	35	25	86.0	41.5	1.2	50
AC-SOB-75-O	75	80.5	35	25	106.5	41.5	1.2	50
AC-SOB-100-O	100	105.0	35	25	131.0	41.5	1.2	50
AC-SOB-150-O	150	155.5	35	25	181.5	41.5	1.2	50
AC-SOB-225-O	225	233.0	35	25	259.0	41.5	1.2	100
AC-SOB-300-O	300	309.0	35	25	335.0	41.5	1.2	100

O = Select a Finish & Material

Finishes & Materials:



Overhead Hanger Brackets

Overhead Hanger Brackets (OHB) are suitable for supporting narrower widths of cable tray using threaded rod. Available in widths from 75mm to 300mm, the tray overhead hangers are suitable for use with all types of Vantrunk cable tray.

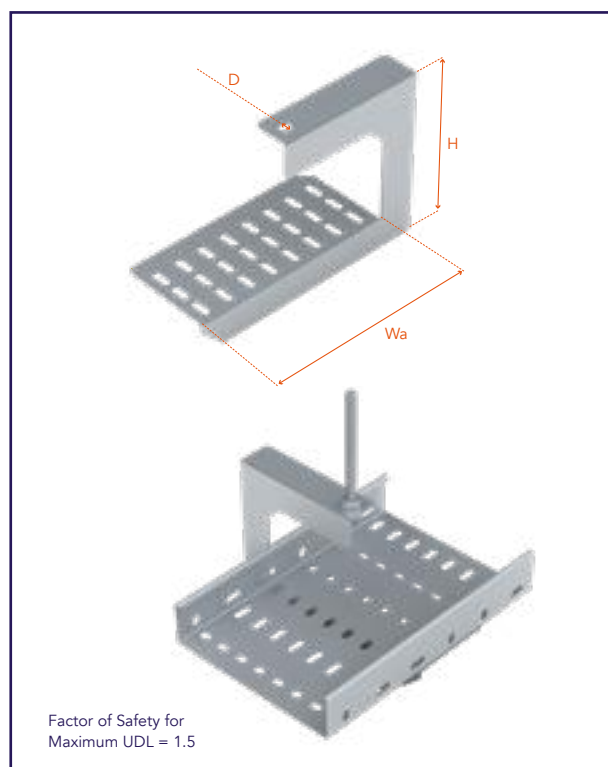
The loading table below gives the recommended maximum load for each size of tray overhead hanger when used with Vantrunk cable tray and with a uniformly distributed load (UDL) onto the tray overhead bracket.

Overhead Hanger Brackets

Part Number	Tray Width mm	Dimensions mm				Maximum UDL Kg
		Wa	H	D	T	
AC-OHB-50-O	50	52	187	11	1.5	40
AC-OHB-75-O	75	77				78
AC-OHB-100-O	100	102				91
AC-OHB-150-O	150	152			1.8	76
AC-OHB-225-O	225	227				150
AC-OHB-300-O	300	302				150

O = Select a Finish & Material

Finishes & Materials:



Flat Bar Hanger

The Flat Bar Hanger (FBH) is an effective means of installing smaller widths of Vantrunk cable tray using a central threaded rod hanger.

The flat bar hanger has a central hole to suit the use of M10 or M12 threaded rod hangers. Each flat bar hanger has fixing slots for direct fixing through the bed of the cable tray.

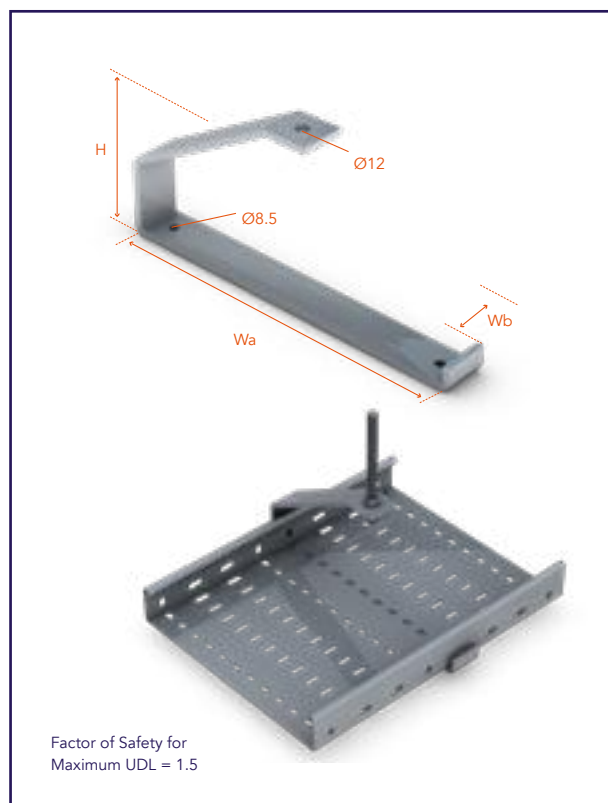
The loading table below gives the recommended maximum load for each size of flat bar hanger when used with Vantrunk cable tray and with a uniformly distributed load (UDL) onto the flat bar hanger.

Flat Bar Hanger

Part Number	Tray Width mm	Dimensions mm			Maximum UDL Kg
		Wa	Wb	H	
AC-FBH-50-○	50	66	40	150	125
AC-FBH-75-○	75	91	40	150	88
AC-FBH-100-○	100	116	40	150	86
AC-FBH-150-○	150	172	40	150	47
AC-FBH-225-○	225	247	40	150	32
AC-FBH-300-○	300	322	40	150	24

○ = Select a Finish & Material

Finishes & Materials:



Trapeze Hanger Bracket

The Trapeze Hanger Bracket (THB) provides a dedicated and effective means of installing Vantrunk cable tray using a trapeze support arrangement with two threaded rod hangers.

The trapeze hanger bracket has 11mm holes to suit the use of M10 threaded rod hangers. Each trapeze hanger bracket has fixing holes for use with the tray hold down bracket (HDB) and elongated holes for direct fixing through the bed of the cable tray.

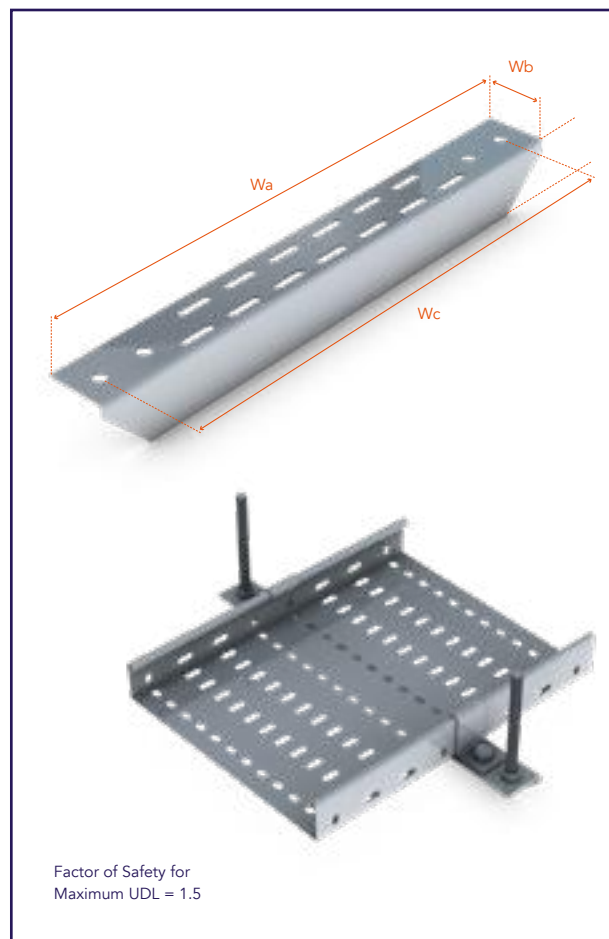
The loading table below gives the recommended maximum load for each size of trapeze hanger bracket when used with Vantrunk cable tray and with a uniformly distributed load (UDL) onto the trapeze hanger bracket.

Tray Overhead Hanger

Part Number	Tray Width (mm)	Dimensions mm				Total Tray Load (kg)
		Wa	Wb	Wc	H	
AC-THB-50-○	50	214		174		5992
AC-THB-75-○	75	239		199		5186
AC-THB-100-○	100	264		224		4039
AC-THB-150-○	150	314	50	274	20	2857
AC-THB-200-○	200	364		324		2257
AC-THB-225-○	225	389		349		2023
AC-THB-300-○	300	464		424		1615

○ = Select a Finish & Material

Finishes & Materials:



Tray Cantilever Arm

Vantrunk Tray Cantilever Arms (TCA) are suitable for supporting cable tray from channel or flat surfaces. Available for cable tray of widths from 50mm to 900mm, the Vantrunk tray arms have M10 clearance holes for fixing to the supports and M6 clearance holes to allow for fixing through the bed of the cable tray.

Vantrunk tray cantilever arms have one fixing hole for arm lengths up to & including 100mm, and two fixing holes for arm lengths of 150mm and above. The Vantrunk tray cantilever arms are suitable for use with the full range of Vantrunk cable trays.

The loading table below gives the recommended maximum load for each size of trapeze hanger bracket when used with Vantrunk cable tray and with a uniformly distributed load (UDL) onto the tray cantilever arm.

Vantrunk Tray Arm

Part Number	Dimensions mm				Maximum UDL Kg
	Tray	La	Lb	A	
AC-TCA-50-O	50	60	50	N/A	100
AC-TCA-75-O	75	85	50	N/A	100
AC-TCA-100-O	100	110	50	N/A	100
AC-TCA-150-O	150	160	90	45	150
AC-TCA-225-O	225	235	90	45	150
AC-TCA-300-O	300	310	90	45	150

O = Select a Finish & Material

Finishes & Materials:





VANTRUNK

ENGINEERED FOR EXTREME ENVIRONMENTS

SANDBANK OFFSHORE WIND FARM

The Sandbank offshore wind farm is the second largest offshore wind farm project undertaken by Vattenfall in collaboration with Stadtwerke München. The wind farm extends over a total area of 66 square kilometres.

LOCATION



GERMAN NORTH SEA
90km off the coast of Sylt.

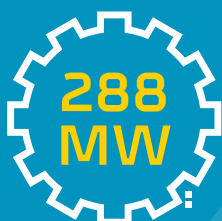
CLIENT



\$1.7bn
OVERALL COST
OF PROJECT



FACT 1



total installed capacity

FACT 2



72
turbines
of 4MW
class

FACT 3

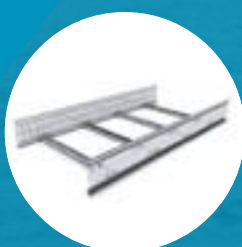


160m
total turbines height
130m
rotor diameter

FACT 4

Covers an area of
66 sq km
in German North Sea

PRODUCTS SUPPLIED



SPEEDWAY



INTELOK CHANNEL

VANTRUNK
SPEEDWAY®
EXTREME CABLE LADDER

Vantrunk's Speedway Cable Ladder and Intelok Support System provides a strong, reliable, easy to install solution providing overall cost savings throughout the project lifespan.

Lengths

Cable Ladder

Fittings

Cable Tray

Couplers

Steel Framing

Accessories

Covers

Mounting Frame

Supports

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Bespoke

Engineering

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