

TRACKX Cable tray systems are manufactured in accordance with **BS EN / IEC 61537 - Cable management - Cable Tray systems and cable ladder systems and NEMA VE1 - Metal Cable Tray Systems**. The maximum safe working load can be determined for each component depending on the support distances and specific parameters such as component dimensions. This is shown in the load diagram included with each component.

It is determined based on four continuous beam analysis with yield strength of 235Mpa generally. A key factor for the load capacity of cable tray is beside the support spacing and side height, the material thickness which varies according to overall component sizes.

For additional information on installation, system design or fitting not shown in this catalogue, our technical personnel are available to provide all assistance possible.

FEATURES

- Single piece construction of bottom and flange in light duty and bottom with return flange in medium and heavy duty.
- Bottom perforation designed for moderate ventilation and load carrying capacity.
- Well spaced slots in flange for easy splice connection when reducing tray length at site.
- Simplified maintenance with flexibility of adding or changing circuits.
- Simplified engineering and construction add change or changing circuits.

MATERIAL STANDARD

- Mild Steel Plain - BS EN 10025-2, BS EN 10130/10131, JIS G 3141 or Equivalent.
- Mild Steel Pre Galvanized - BS EN 10346.
- Stainless Steel - BS EN 10088-2, BS EN 10028-7.
- Aluminum (Optional)

FINISH

- HDGAF (Hot Dip Galvanizing After Fabrication) - BS EN ISO 1461
- Deep Galvanizing - BS EN ISO 1461
- Electroplating (Zinc) After Fabrication - BS EN ISO 2081, BS EN ISO 4042 (Fasteners).
- Epoxy Powder Coating (Optional)

CONFIGURATION OF CABLE TRAYS

- Straight sections are available to route cables in a horizontal or vertical plane.
- Fittings and Accessories are available to route cables in various directions in either the horizontal or vertical planes.

TRACKX HEAVY DUTY TRAY H100

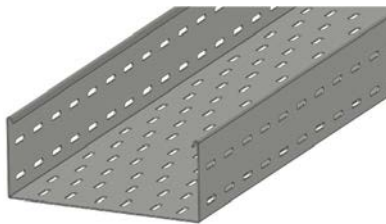
TT 100 06 15 30 MS HG

1 2 3 4 5 6 7

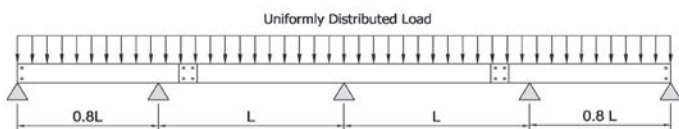
1	TT	TRACKX TRAY	4	15	Thickness 10 - 1mm 12 - 1.2mm 15 - 1.5mm 20 - 2mm	5	30	Length (Our Std Length) 30 - 3meters 20 - 2meters 15 - 1.5meters	6	MS	Material MS - Mild Steel S6 - SS316 S4 - SS304 AL - Aluminium	7	HG	Finish PG - Pre Galvanizing HG - HDGAF EP - Electro Plating PC - Epoxy Powder coating DG - Deep Galvanizing
2	100	Height												
3	06	Width (in)												

Load Table

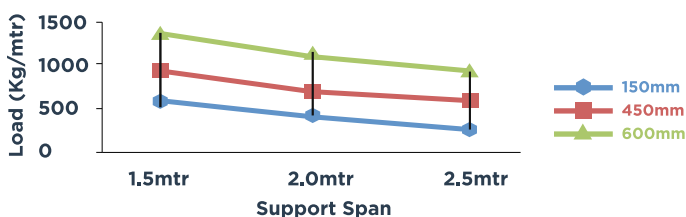
Product Code	Height H mm	Width W		Thickness mm	Useful Area cm ²	Support Span UDL (kg/mtr)		
		in	mm			1.5 mtr	2.0 mtr	2.5 mtr
TT-100-04-10-*	100	4	100	1	96	471	353	283
TT-100-06-12-*	100	6	150	1.2	144	599	450	360
TT-100-09-15-*	100	9	225	1.5	217	793	595	476
TT-100-12-15-*	100	12	300	1.5	290	811	608	486
TT-100-18-15-*	100	18	450	1.5	439	839	629	504
TT-100-24-20-*	100	24	600	2	582	1145	859	687
TT-100-30-20-*	100	30	750	2	729	1158	869	695
TT-100-36-20-*	100	36	900	2	876	1168	876	701



Load Diagram



Heavy Duty Cable Tray (H-100mm)



Remarks:

- * Insert tray Length, Material and Finish as per requirement.
- Thickness mentioned are as per our standard.
- Cable tray for heavy duty applications and more load bearing capacity.
- The graph indicates Safe Working Loads of cable tray carrying a uniformly distributed cable load.
- The load table assumes a general indication of performance of four span continuous beam having a deflection of not greater than $L/100$ (for Simple Span) and factor of safety 1.7 as per BS EN / IEC 61537.
- The values shown do not take resistance against environmental forces & factors such as snow, wind and other influences into account.
- We recommend for calculated configuration to suit your special requirements and for further additional information.

TRACKX HEAVY DUTY TRAY H50

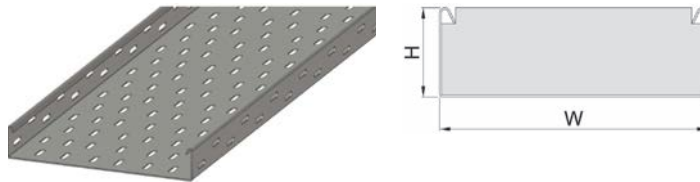
TT 050 02 15 30 MS HG

1 2 3 4 5 6 7

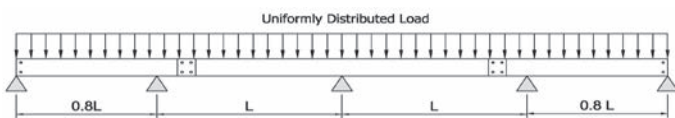
1	TT	TRACKX TRAY	4	15	Thickness 10 - 1mm 12 - 1.2mm 15 - 1.5mm 20 - 2mm	5	30	Length (Our Std Length) 30 - 3meters 20 - 2meters 15 - 1.5meters	6	MS	Material MS - Mild Steel S6 - SS316 S4 - SS304 AL - Aluminium	7	HG	Finish PG - Pre Galvanizing HG - HDGAF EP - Electro Plating PC - Epoxy Powder coating DG - Deep Galvanizing
2	050	Height												
3	02	Width (in)												

Load Table

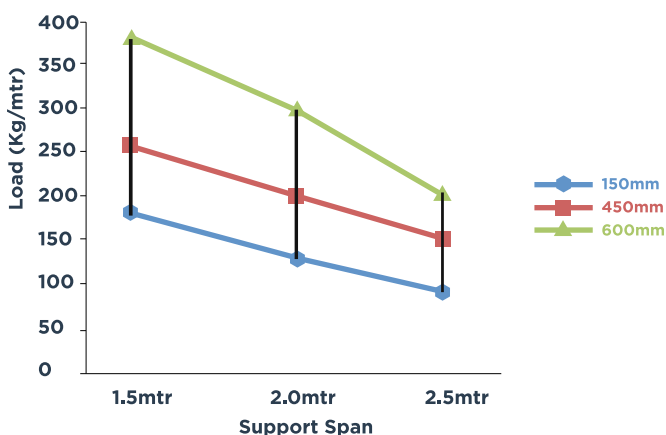
Product Code	Height H mm	Width W		Thickness mm	Useful Area cm ²	Support Span UDL (kg/mtr)		
		in	mm			1.5 mtr	2.0 mtr	2.5 mtr
TT-050-02-10-*	50	2	50	1	22	134	88	45
TT-050-04-10-*	50	4	100	1	47	164	123	64
TT-050-06-10-*	50	6	150	1	71	174	130	73
TT-050-09-12-*	50	9	225	1.2	110	216	162	98
TT-050-12-12-*	50	12	300	1.2	144	231	173	109
TT-050-18-15-*	50	18	450	1.5	215	248	186	126
TT-050-24-20-*	50	24	600	2	284	371	278	191
TT-050-30-20-*	50	30	750	2	356	374	280	196
TT-050-36-20-*	50	36	900	2	428	375	282	199



Load Diagram



Heavy Duty Cable Tray (H-50mm)



Remarks:

- * Insert tray Length, Material and Finish as per requirement.
- Thickness mentioned are as per our standard.
- Cable tray with inside return flange to provide strength and better load bearing capacity.
- The graph indicates Safe Working Loads of cable tray carrying a uniformly distributed cable load.
- The load table assumes a general indication of performance of four span continuous beam having a deflection of not greater than $L/100$ (for Simple Span) and factor of safety 1.7 as per BS EN / IEC 61537.
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