Perforated Cable Tray

TS-PT · Cable Trays

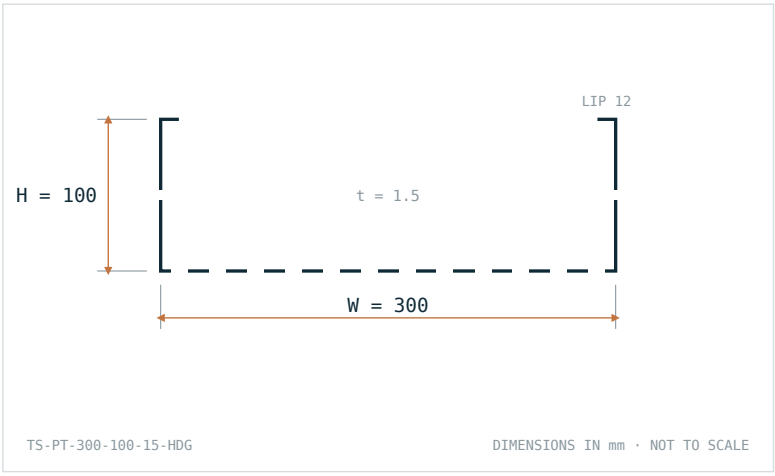
كابل تراي مثقب

The workhorse of every electrical installation: a ventilated base, return-flanged sides and a 3 m length supplied with its own splice set.



PRODUCT FAMILY	**TS-PT**
WIDTHS W	**50, 100, 150, 200, 300, 400, 500, 600 mm**
SIDE HEIGHTS H	**50, 100 mm**
THICKNESS T	**1.0, 1.2, 1.5, 2.0 mm**
STANDARD LENGTH	**3000 mm (2500 mm on request)**
MATERIAL	**Cold-rolled steel DC01 (EN 10130) for HDG and powder coat; DX51D+Z275 (EN 10346) for pre-…**
FINISHES	**HDG PG PC SS**

DIMENSIONED SECTION (EXAMPLE 300 × 100 × 1.5)



FEATURES

- Return flange on both sides for stiffness and cable protection
- Staggered slot base for ventilation and cable-tie fixing
- Supplied with splice plates and M6 fasteners for every length
- Width, height and code marked on each length for site traceability
- Matching bends, tees, crosses, reducers and covers in every size
- Laser-cut hole pattern: fittings line up without site drilling

SPECIFICATION

Product family	TS-PT
Widths W	50, 100, 150, 200, 300, 400, 500, 600 mm
Side heights H	50, 100 mm
Thickness t	1.0, 1.2, 1.5, 2.0 mm
Standard length	3000 mm (2500 mm on request)
Material	Cold-rolled steel DC01 (EN 10130) for HDG and powder coat; DX51D+Z275 (EN 10346) for pre-galvanised; 316L stainless on request
Perforation	Base: staggered 25 × 7 mm slots, about 12% open area. Sides: Ø8 mm holes at 50 mm pitch (H ≥ 50 mm).
Code format	TS-PT-[W]-[H]-[t×10]-[finish]

SIZES & STEEL MASS (KG/M) AT H = 100 MM

W (mm)	t 1.0	t 1.2	t 1.5	t 2.0	W × H (mm²)
50	1.89	2.27	2.84	3.79	5,000
100	2.24	2.69	3.36	4.48	10,000
150	—	3.10	3.88	5.17	15,000
200	—	3.51	4.39	5.86	20,000
300	—	4.34	5.43	7.24	30,000
400	—	—	6.47	8.62	40,000
500	—	—	—	10.00	50,000
600	—	—	—	11.38	60,000

Mass calculated for the steel section (developed blank × t × 7.85 kg/dm³, less perforation), before coating. — = not in launch range.

FINISHES

Code	Finish	Coating / grade
HDG	Hot-dip galvanised after fabrication · جلفنة على الساخن بعد التصنيع	BS EN ISO 1461 — mean zinc ≥ 55 µm on steel 1.5–3 mm (≥ 45 µm below 1.5 mm)
PG	Pre-galvanised (Sendzimir) steel · صاج مجلفن مسبقاً (سندزمير)	EN 10346 DX51D+Z275 — 275 g/m² total, about 20 µm per side
PC	Polyester powder coat, RAL 7035 (any RAL on request) · دهان بودرة إلكتروستاتيك، RAL 7035 (حسب الطلب أي لون RAL)	60–80 µm over pre-treated pre-galvanised or HDG steel
SS	Stainless steel 316L · استانلس ستيل 316L	EN 10088-2 grade 1.4404 — marine, food and chemical areas

COMPATIBLE ACCESSORIES

TS-CV
Tray Covers

TS-HB
Horizontal Bends 90° / 45°

TS-HT / TS-HX
Horizontal Tees & Crosses

TS-RD
Reducers (Straight / Left / Right)

TS-VR
Vertical Bends — Inside / Outside

TS-SP
Splice Plates

TS-FS
Fastener Sets

TS-CH
Channel Strut 41 × 41 / 41 × 21

TS-CA
Cantilever Arms

TS-TH
Trapeze Hangers

INSTALLATION

- Fix supports first; add a support within 600 mm of each fitting.
- Keep splice joints near supports, away from mid-span.
- One splice plate each side, M6 round-head bolts, heads inside.
- Bond the run to earth where the project specification requires.

STANDARDS

- IEC 61537 — cable tray and cable ladder systems (test reference)
- NEMA VE 1 — metal cable tray systems (reference)
- BS EN ISO 1461 — hot-dip galvanised coatings
- EN 10346 / EN 10130 — sheet steel

LOAD DATA

Safe working loads and support spans will be published after type testing to IEC 61537. Until then, support spacing follows the project specification; our engineers can advise on typical spans for your cable load.

ORDERING CODE

TS	PT	300	100	15	HDG
BRAND	FAMILY	WIDTH W	HEIGHT H	T × 10	FINISH

Preliminary datasheet for the TRUSTEEL launch range. Values may change before Rev A1; confirm with TRUSTEEL before ordering. Standards are listed as design and test references; compliance is claimed only where a test report is issued.