

PIT3 · EARTHING & LIGHTNING PROTECTION

EARTH INSPECTION PIT.

Trafficable polyethylene inspection pit with 5-way copper busbar, for earthing and lightning protection systems.

The PIT3 is moulded in tough, corrosion-free polyethylene. It gives protected, accessible termination and inspection of earth electrodes, and takes the matched PIT3-EBAR 5-way copper busbar (sold separately) for down conductors, earth electrodes and bonding conductors. Tested to 50 kN (5 tonne) for 120 seconds without permanent deformation, it suits driveways, car parks, footpaths and hardstand.

PIT3

KEY BENEFITS



TRAFFICABLE 5T

50 kN for 120 s — no permanent deformation



CORROSION-FREE

Moulded polyethylene — non-conductive



5-WAY BUSBAR

PIT3-EBAR · sold separately



INSPECT IN PLACE

Test the earthing system without excavation



IEC 62561-5

Tested in accordance

PIT3 SHOWN · LID FITTED



APPLICATIONS

Lightning protection earth terminations · Substation & switchroom earthing · Telecommunications & data centres · Solar farms & renewables · Commercial & industrial earthing in trafficked areas

TECHNICAL SPECIFICATIONS · PIT3

ATTRIBUTE	SPECIFICATION
Part number	PIT3
Material	Moulded polyethylene
Pit dimensions	300 × 300 × 210 mm external
Internal bore	Ø186 · base Ø192
Load rating	50 kN (5 T) · 120 s, no permanent deformation
Busbar (PIT3-EBAR)	Copper, 5-way
Busbar dimensions	230 L × 30 H × 4 W mm
Busbar terminations	5 × M10 studs
Stud centres	40 mm
Busbar hardware	M10 × 35 brass bolts, SS spring washers, brass flat washers & nuts
Busbar supply	Sold separately
Standard	Tested in accordance with IEC 62561-5
Lid markings	Earth symbol · 5T · PIT3 · GNDWELD
Lid removal	2 × integrated lifting slots
Lid fixing	2 × M8 × 60 SS bolts, 6 mm allen head
Lid top face	Ribbed, slip-resistant
Colour	Black / grey

THE LID DOES THE LABELLING

Lid moulded with the IEC earth symbol, 5T load rating, PIT3 and GNDWELD — the pit identifies itself on site, no separate labelling required. Ribbed top face for slip resistance and load distribution; 2 × integrated lifting slots for tool-free removal & 2 × independent screws to secure lid as required.

PIT3-EBAR — SOLD SEPARATELY

Matched 5-way copper busbar, ordered separately as required. Supplied with 5 × M10 × 35 brass bolt sets — stainless steel spring washer, flat washer and nut. Accepts standard cable lugs without adaptors.

COMPLIANCE

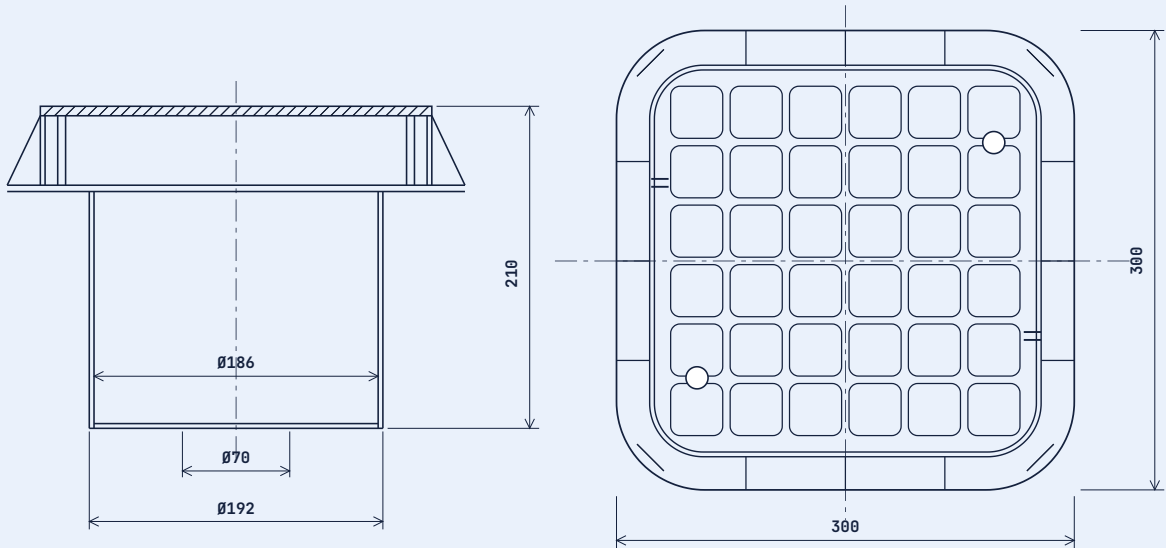
IEC 62561-5.

Tested in accordance with IEC 62561-5 — Lightning protection system components (LPSC), requirements for earth electrode inspection housings and earth electrode seals.

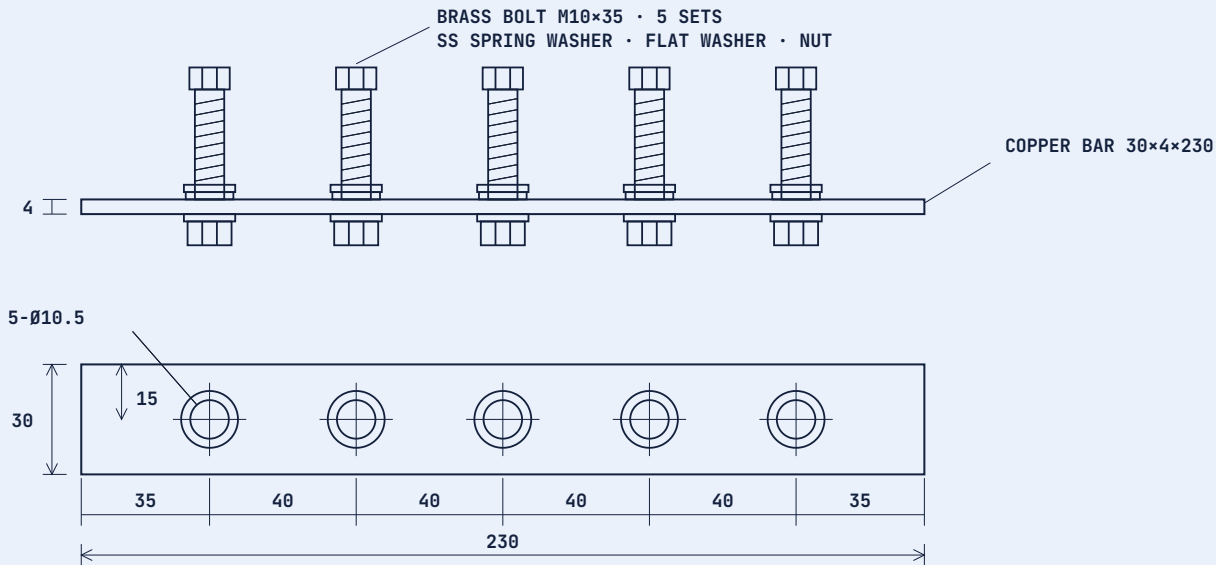
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DRAWINGS & ORDERING.

PIT3 · DIMENSIONED DRAWING



PIT3-EBAR · BUSBAR ASSEMBLY



ORDERING INFORMATION

PART NUMBER	DESCRIPTION
PIT3	Earth inspection pit – trafficable (5T), 300 × 300 × 210 mm
PIT3-EBAR	Cu busbar 230 L × 30 H × 4 W mm, 5 × M10 studs – suits PIT3, sold separately

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