



“T” type fixed points

Intended use: achievement of permanent fixed points for the assembly of phase clamps of short-circuiting devices in HV / MV substations, on round section conductors for the improvement of mounting conditions for the short-circuiting devices.

Assembly method: manually, at height, with the de-energisation of the installation. The application is performed on flexible multicore conductors or round section rigid bars.

„T” fixed points types:

- ✓ „Tr” - for flexible multicore conductors - sections between 185 and 680 mm² (Ø19–36 mm)
- ✓ „T55” - for rigid round bars with a diameter of 55 mm
- ✓ „T80” - for rigid round bars with a diameter of 80 mm

Components:

- **Body** – 1 piece
- **Cap** – 1 piece
- **Fittings** – 2 sets

Type	“Tr” fixed points	“T” fixed points
Nominal short-circuiting current for t = 1 s I _{sc} (kA)	30	30
Nominal shock (peak) current for t = 0,02 s I _{sd} (kA)	75	75
Short-circuit test current for t = 1 s (kA)	34,5	-
Shock (peak) test current for t = 0,02 s (kA)	86,25	-
Nominal value of the peak factor	2,5	-
Nominal diameters of multicore flexible conductors ØD (mm)	19 - 36	-
Cross-section of multicore flexible conductors (mm ²)	185 - 680	-
Nominal diameters of rigid round bars ØD (mm)	-	55; 80

SR EN 61230



“Tr” FIXED POINT



“T55” / “T80” FIXED POINT

Spherical pieces (Ball studs)

Code: P 2180 M x L

Intended use: achievement of permanent spherical fixed points for the mounting of phase clamps for short-circuiting devices in high / medium voltage power substations.

Application: manual, performed on flat bars, packets of bus bars of various thicknesses, with the de-energisation of the installation.

Types of spherical parts - 3 types (with various forms: straight or inclined):

- ✓ Sphere Ø30 mm
- ✓ Sphere Ø25 mm
- ✓ Sphere Ø20 mm

Components:

- **Spherical coupling part** - 1 piece
- **Fittings** - 1 set (with sizes as per the customer's demands)

Tips: these spherical pieces (Ball studs) must replace bar assembly screws.

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COUPLING DETAIL

Technical characteristics			
Sphere diameter (mm)	20	25	30
Nominal short-circuiting current for t = 1 s I _{sc} (kA)	19	23,75	30
Nominal shock (peak) current for t = 0,02 s I _{sd} (kA)	47,5	59,38	75
Stud thread dimension	M12	M12	M12; M14; M16
Free length of the stud rod - on demand (mm)	30; 40	30; 40	30; 40; 50; 60; 70; 80
Type of phase clamp which can be applied on this system	CCRU / CCNU	CCRU / CCNU	CCU / CAU / CARU