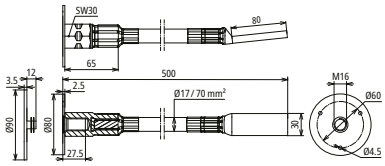
Earthing system for railways

D BEB 4 / EBS 15-03-19 (419040)





Dimension drawing

Copper cable earthing bridges
The earthing bridges are designed for earthing, return circuits and equipotential bonding in railway line applications. This version is installed flush with the surface, and with the steel lug pressed on to the copper cable welded to the internal earthing. The flexibility of the cable simplifies installation in the reinforcement for the user. These earthing bridges also have the technical approval of DB InfraGO AG so can be used without hesitation in planning.

Due to the high current-carrying capacity, the product is also suitable for use in transformer stations, substations, battery storage systems, electrolysers, etc.

Type	**D BEB 4 / EBS 15-03-19**
Part No.	**419040**
Technical data	
Short-circuit current (AC 50 Hz / DC) (1 s; ≤ 300 °C)	14.1 kA
Length	500 mm
Connection head	
Connection thread	M16
Deep connection thread	27.5 mm
Connection plate Ø	80 mm
Material of plate	StSt (V4A)
Material No. Plate	1.4404
Material of socket	StSt
Material No. Socket	1.4305
Corrosion resistance	PREN > 18
Railway-specific data	
Short-circuit current class	≤ 25 kA
Test current	25 kA / 100 ms
DB drawing No.	3 Ebs 15.03.19 - 40
DB standard	DB Ril 997.0205A01
Cable	
Type	NYY-O
Diameter Ø	17 mm
Cross section	70 mm²
Material	Cu
Lug	
Material	**St E235+N**
Dimensions	80 x 30 mm

Masterdata	
Net weight	1 pc(s)/st
Customs tariff number (Comb. Nomenclature EU)	85369010
GTIN	4013364439481
PU	1 st

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.