Erhardt ERKO GmbH | Contact technology
Siemensstraße 15 | 74722 Buchen, Germany

Mounting instructions

ERKO high current contact blocks Type E

1 Scope of supply

Type E is supplied without a copper groundplate and without boreholes on the underside of the contact forks.

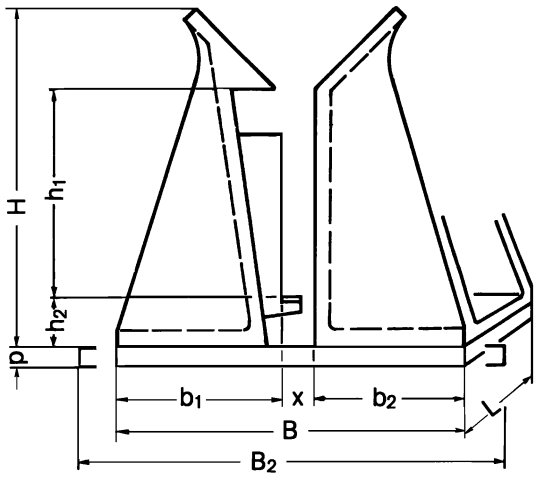
2 Fix the contact forks

Fix the contact forks to a flat copper groundplate using stainless steel screws. The screw size, from M6 to M20, depends on the size and mechanical load of the contact blocks.

3 Select the copper groundplate

Choose a copper groundplate that is suitable for the mechanical load and the stability of the substructure on which it is placed.

Width (dimension L)	Length (dimension B)	Thickness (dimension p)
Exactly as contact block	b1 + b2 + x	10-50 mm



Dimensioned view on a groundplate

Type / A	Width B = b1 + X + b2			h2	p
	b1*	X	b2*		
250	55	Carrying rail X	50	17	15
500	60		55	20	15
1 000	65		60	22	15
2 000	86		80	27	15
3 000	109		99	28	15
4 000	106		99	28	20
6 000	125		118	30	20
8 000	125		118	30	30
10 000	141		129	45	30

Dimensions in mm. * Casting tolerances ±2 mm.

Also included in the high current contact block data sheet, page 2.

4 Provide a level substructure

Never use the copper plate as a supporting element. A level substructure is required, and the entire construction must be fixed to it.

5 Check the cross section

The cross section of the copper groundplate must correspond to the current to be transferred. We recommend 1.3 amperes per mm^2.

6 Face mill the mounting side

For correct operation, face mill the top of the copper plate on the side to which the contact forks are fixed.

Parallel mounting and dimension h2

The contact forks must be parallel to each other. Clamp a small sample of the wareholder normally used between the two contact forks, then fix the whole assembly to the copper plate.

Dimension h2 must be exactly the same as the value listed in the table.