Clamping Bar

Die METRON – clamping bar consists of a prismatic base casting in the form of an nether support- insert or taper bar, a right angled pressure plate and inside, an elastic forming tube which is pressure sealed at both ends.
In the rule, the material of the base casting is steel (C45) or cast iron in different qualities, depending upon the required consistency and anti-friction property.
When the hydraulic pressure is applied, a clamping force is produced / transmitted via the pressure plate.
The clamping force corresponds to the factor of pressure plate surface and the oil pressure applied, which can amount to a maximum of 150 bars.

For example: A clamping element with a pressure plate surface of 300 x 20 mm, loaded with a hydraulic pressure of 100 bar, exerts a clamping force of 60 kN.

Important directions for rating:

The clamping force must always be chosen so large, that the longitudinal displacement force to be expected is absorbed by the contra-guidance surface of the clamped component, and not by the pressure plate.
Clamping bars are available as insertion bars, nether supported bars or tapering bars.

Support bores and connections are determined according to requirements.

Max. clamping motion of the Ms pressure plate	= 0.5 mm
Recommended oil quality	= EP 46 or similar
Permissible temperature	= max. 50° C

METRON® Meßtechnik und Maschinenbau GmbH Telefon: (0201) 83235-0 www.m e t r o n - e s s e n.com
D-45025 ESSEN • Postfach 10 25 62 Telefax: (0201) 324653 E-Mail: info@metron–essen.de

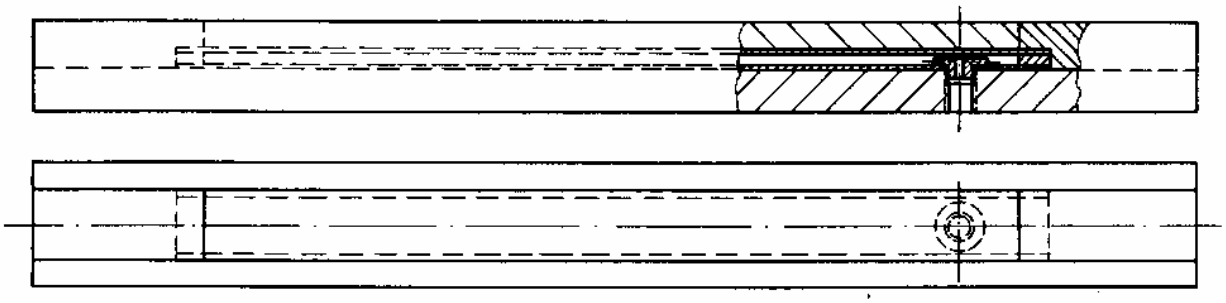
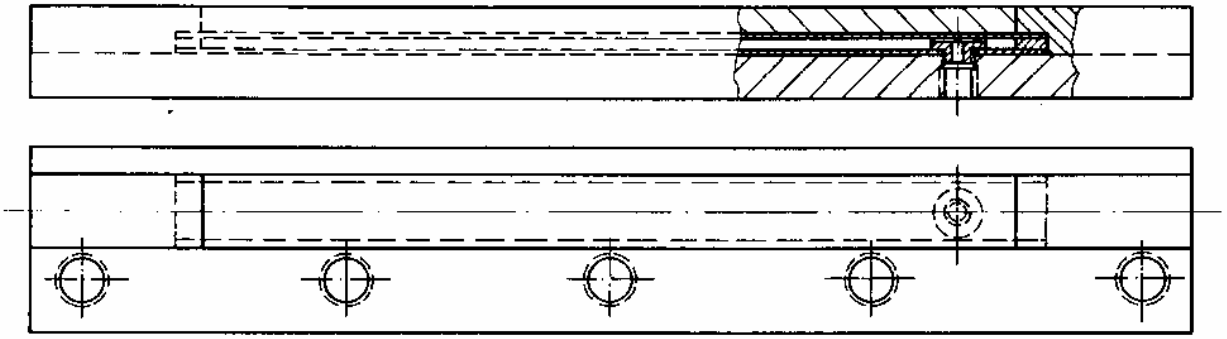


Abb. 671 METRON - Einlegeleiste



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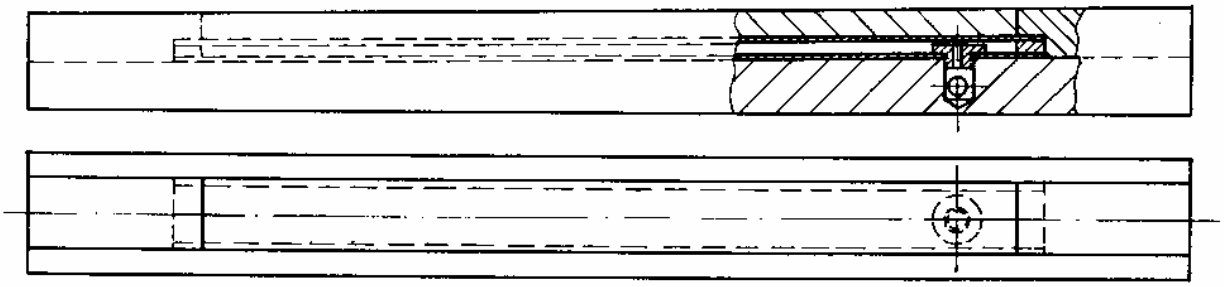

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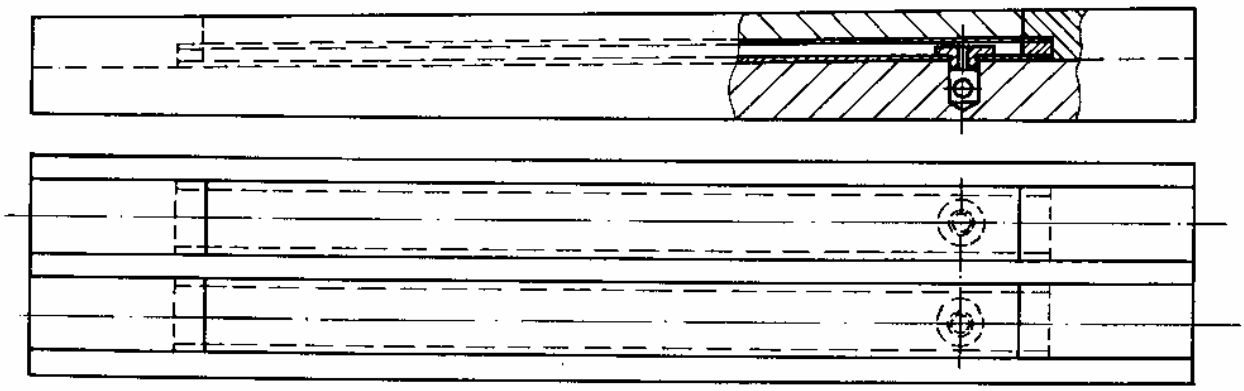

Abb. 674 METRON - Keilleiste mit Zwillingsschläuchen

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D-45025 ESSEN • Postfach 10 25 62 Telefax: (0201) 324653 E-Mail: info@metron–essen.de