



M4C 025 G3 with special device



Special device for fittings

This application example was created in cooperation with the company "Erne Fittings GmbH".

Hereby we would like to thank Erne Fittings GmbH again for the collaboration and confidence shown to us!

Customer requirements on the Hardness Tester:

-The basic requirement for the purchase of the hardness tester was the testing according to standard of the entire fitting product range. The challenge or difficulty laid in the different geometry of the test samples. A solution was found by constructing a special device with a simultaneous increase of the machine height. Fittings are essentially: T-parts, concentric and eccentric reductions and bends.

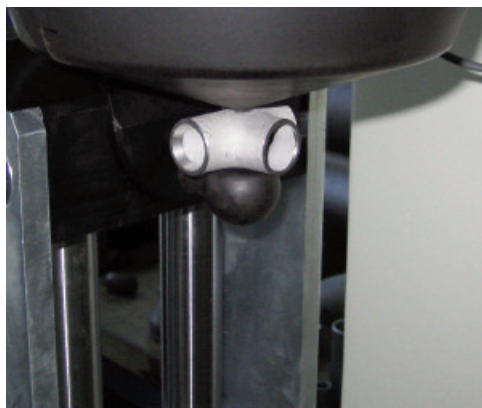
Dimensions:

- T-parts: \varnothing 20-324 mm, to 90 kg, length up to 520 mm
- Reductions: \varnothing 20-324 mm, to 45kg, length up to 220 mm
- Bends: \varnothing 20-220 mm, to 35 kg, bending radius up to 305 mm

Realisation of the testing task:

During random testing the method HBW 2, 5/ 187, 5 is principally used and directly applied on unmachined surfaces. Every test sample can be optimally inserted and braced with the versatily adjustable special device. If desired by the customer, it is certainly possible to retrofit to Vickers- or Rockwell testing without any problems.

The special device can be replaced by a standard anvil with a few simple movements and can therefore be used as a standard machine.



Technical data:

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|--------------|--------------------|---------------------|--|
| ■ M4C 025 G3 | Hardness Tester | ■ Work pieces: | Fittings on different shapes and materials |
| ■ NKW28E02Z | 2,5 mm ball holder | ■ Test points: | on unmachined surface |
| ■ M4ZL2CG3 | 70x lens | ■ Test method: | principally HBW 2,5/187,5 |
| | | ■ Customer excerpt: | Erne Fittings GmbH |

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