

Product information

N3A - simple Rockwell hardness tester with interchangeable spring sleeve system for different test loads



Areas of application

The N3 hardness tester is ideal for simple and quick Rockwell tests according to ISO 6508 and ASTM E18. It is also possible to test Brinell (HBT) and Vickers (HVT) using the depth difference method.

The device is characterized by high precision and reliability and is ideal for workshop use. Thanks to its compact design and the absence of electronic components (no power supply required), it can be set up and used flexibly. It is suitable for all sectors of the metalworking industry.

Advantages/features

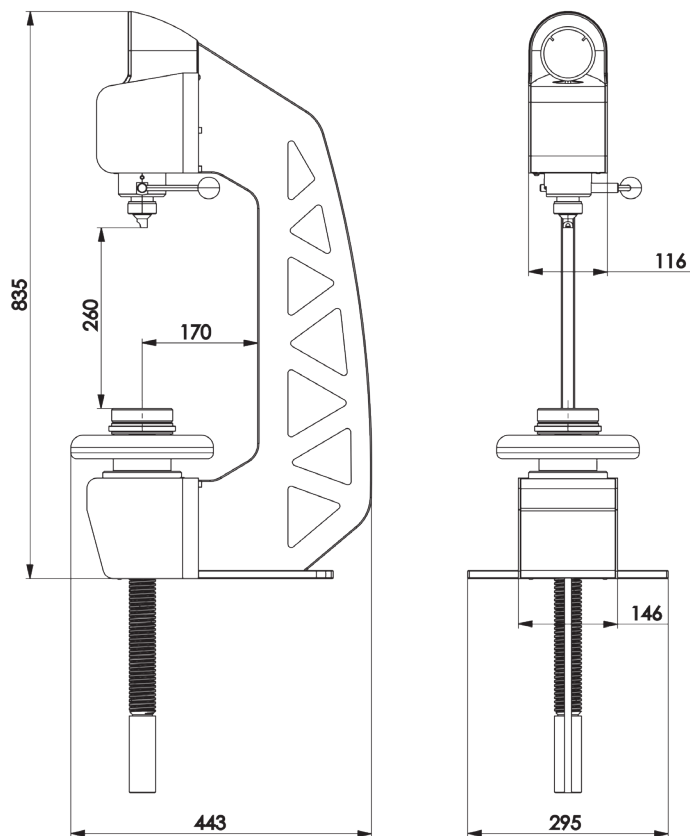
- Easy handling: The N3 impresses with its intuitive operation, which requires minimal training. The simple lever control also allows it to be used with work gloves.
- Flexible spring bushing system: Thanks to the tried-and-tested system, different test loads can be adapted by simply replacing the spring bushing
- Clamped testing: The interchangeable clamping cap ensures that the test piece is held securely in place during the testing process, leading to more precise results. In addition, the indenter is mechanically protected and damage caused by workpiece collision is virtually eliminated. The clamping cap can be easily removed for test points that are difficult to access; unclamped testing is then also possible.
- Robust design: The stable construction prevents overshooting, which enables a safe test position, especially with demanding workpieces.
- Comprehensive standards coverage: The N3 covers a wide range of standards and is suitable for Rockwell hardness tests as well as HVT, HBT.
- Long-lasting investment: The N3 has an extremely robust design and the system has been tried and tested for 70 years. Zwick Roell guarantees the availability of spare parts for at least 10 years; in fact, devices that have been in use for over 30 years are regularly serviced.
- Dial gauge with color scales: The N3A model has an analog dial gauge with three color scales. The hardness value is read according to the selected test method and test load, which makes it quick and easy to display the measured value.
- Wide range of accessories: Thanks to the wide range of test tables and clamping caps, the N3 can be adapted to almost all test requirements.

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Technical data

Typ	N3A
Display	Analog via dial gauge
Height adjustment:	Handwheel
Test height (N1A unit and spring bushes):	285 mm
Throat depth:	170 mm
max. workpiece weight:	20 kg
Dimensions W x H x D:	205 x 830 x 470 mm
Weight of basic unit:	35 kg
Room temperature:	+5°C to +40°C
Mounting:	Table mounting (screw connection)



Accessories

Description
Dust cover
Indenter
Spring bushes (per load scale)
Test tables
Clamping caps