206 RT

ROCKWELL BRINELL ANALOG

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206 RT

ROCKWELL - BRINELL HARDNESS TESTER

By applyng C shape indeter Art. 604, difficult points as: insides of tubes and near to hollows can be reached.

- **The proof loads** can be selested by a rotary knob andaccuracy index.
- They allow to carry out Rockwell and Brinell's tests and Vicker's impressions.
- The operating principle is theclassic Rockwell's principle with direct Rockwell's hardness on a large dial.
- Brinell's hardness is also obtained directly with application of a graduated dial, or by exemplifyng tables.
- By the use of Rockwell's scales the pointer dial dial shows with accuracy the measurement result. Brinell's scales can be easily put over the dial.
- Preload takes place by the contact of the piece with the indenter.
- The scale zerosetting is obtained through the dial rotation.
- The proof load is applied to the indenter by the control lever.
- Hardness value is shown directly on the dial.
- 206 RT can be used for any type of metallic material and plastics as well.
- It is possible to carry out tests on any parts even if small dimensioned. The visible indenter allows to reach extreme points for testing tool cutting edges as well.
- **The sturdy piece-holder column** assures an exact measurement on any detail.
- The internal part is both chromium-plated and grinded.
- The bellows guard guarantees a constant and safe motion with no need of maintenance.
- It has been designed to obtain the best reliability through time and result accuracy as well.
- It got through severe tests.
- We can supply different pieceholder anvils: from the large plane table to shaped anvils fit for any requirement.

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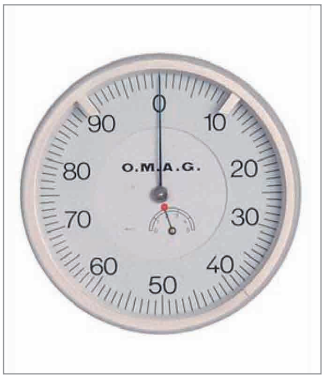
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HARDNESS TESTERS
MODELLO
MADE IN ITALY

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OPTIONAL:

Vickers and Brinell optical tests

Microscope 1216 available with 20-40 magnifying lens, provided with battery internal lighting and 90° rotary micrometric scale for opposed diagonal measurement. It allows to perform Brinell and Vickers exact impression measurements.

Standard accessories

1 Flat anvil 60 mm
1 "V" anvil 60 mm
1 Combined spot "V" + flat anvil
1 Wooden case
1 Calibration certificate
1 Hardness conversion table
1 Dust cover

standard for 206 RT

1 HRC diamond penetrator
1 HRB ball penetrator Ø 1/16"
1 HRC test block
1 HRB test block

standard for 206 RTS

1 HRN diamond penetrator
1 HRT ball penetrator Ø 1/16"
1 HRN test block
1 HRT test block

At request

- Vickers penetrator
- Brinell test block
- Vickers test block
- Microscope 1216 Model for Vickers measures
- Special penetrator art. 604 for tests insides of tubes
- Large flat anvil 140 mm Ø
- Ball penetrator in hard metal Ø 5-2,5-1 mm /2" - 1/4" - 1/8") for plastic

TECHNICAL CHARACTERISTICS:

	206 RT	206 RTS
Action	Spin the handle and the leveling screw brings your sample to the testing zone. The sample is clamped and the reference surface activated. Moving down the lever, the test can start and after a few seconds the results will automatically appear	
Accuracy	Better than 1 %	
Temperature Range	From 10 °C to 35 °C	
Data Output	RS 232 C (USB as option)	
Principle of Operation	Dynamometric Load Cell	
Preload	98.07 N (10 kgf)	29.42 N (3 kgf)
Force Range	Rockwell 588.4 - 980.7 - 1471 N (60 - 100 - 150 kgf) Vickers 98.07 - 588.4 - 988.7 N (10 - 60 - 100 kgf) At request Brinell (no direct reding) 98.07 - 612.9 - 1226 - 1839 N (10 - 62.5 - 125 - 187.5 kgf)	Superficial Rockwell 147.1 - 294.2 - 441.3 N (15 - 30 - 45 kgf) Vickers 29.42 - 294.2 N (3 - 30 kgf) At request Brinell (no direct reading) 153.2 - 294.2 - 306.5 N (15.625 - 30 - 31.25 kgf)
Feasible Tests	Rockwell HRC A - D - B - F - G - L - M - R Brinell (at request) HB 30 - HB 10 - HB 5 - HB 2.5 MPa (F/D^2) Vickers 10 - 60 - 100	Superficial Rockwell HRN - HRT Brinell (at request) HB 30 - HB 5 - HB 2.5 MPa (F/D^2) Vickers 3 - 30
Standards	EN-ISO 6506-2 / EN-ISO 6507-2 / EN-ISO 6508-2 / ASTM-E18 / JIS	
Screw upward movement	215 mm	
Depth Capacity	190 mm	
Tolerable Weight	2000 kg	
Fields Of Use	For all metals: iron, steel, tempered steel, cast iron, brass, aluminium, copper and metal alloys with more than 0.6 mm thickness	Nitriding, cementation, hard facing with depth less to 0.6 mm
Packing Weight	85 kg	
Packaging Measurements	37 x 60 x 100 cm	

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