



# AFFRI



## 206 RT

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ROCKWELL  
BRINELL  
ANALOG

# ROCKWELL - BRINELL HARDNESS TESTER



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

- **The proof loads** can be selected by a rotary knob and accuracy index.
- They allow to carry out Rockwell and Brinell's tests and Vicker's impressions.
- The operating principle is the



classic 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 exemplifying tables.
- By the use of Rockwell's scales the pointer 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.

## 206 RT



- 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 piec-holder anvils: from the large plane table to shaped anvils fit for any requirement.

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REGISTRATORI DI DUREZZA  
HARDNESS TESTERS  
CE  
MODELLO \_\_\_\_\_  
MADE IN ITALY



#### 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 (1/2" - 1/4" - 1/8") for plastic

#### 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

#### Technical characteristics

MODEL	206 RT	206 RTS
Preload	10 kgf (98,07) N	3 kgf (29,4) N
Test loads	60-100-150 Rockwell (588-980-1471) N 62,5-125-187,5 Brinell (612-1225-1839) N 10-60 Vickers (98,07-588) N	15-30-45 Rockwell superficial (147-294-441) N 15,6-31,2 Brinell (153-306) N 3-15-30 Vickers (29-147-294) N
Working	Rockwell traditional	Rockwell traditional
Feasible tests	Rockwell HRC A-D-B-F-G-L-M-R Brinell HB 30; HB 10; HB 5	Rockwell sup. HRN + HRT Brinell HB 30; HB 5; HB 2,5 - HV - 3; HV - 15
Reading	Rockwell, Brinell + Vickers	Rockwell (optical Brinell) + Vickers
Reading resolution	0,5 HR	0,5 HR
Conform standard	EN-ISO 10109 / 6508 / 10003	EN-ISO 10109 / 1024 / 10003
Height capacity	215 mm	215 mm
Depth capacity	190 mm	190 mm
Diameter of column	60 mm	60 mm
Diameter of anvil	60 mm	60 mm
Max load of test piece	1.000 kg	1.000 kg
Field of application	For all metals, steel, hard steel, cast iron, bronze, aluminium over 0,6 mm, plastics, soft and hard rubber	Nitriding, cementation, hard facing with depth less to 0,6 mm
Net weight	65 kg	65 kg
Packing weight	85 kg	85 kg
Packing measures	37x60x102 cm	37x60x102 cm



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