

Hardness Tester

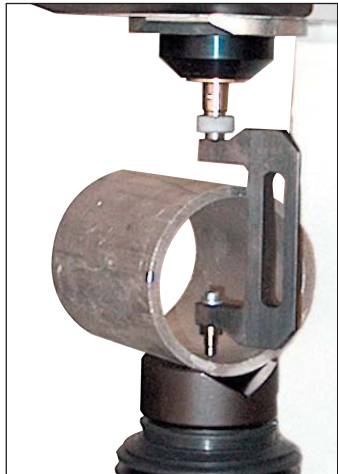
- To performs Rockwell Tests

Advanced Affri technology inside offer modern solutions

- The force is created by a dynamometer without requiring oil, shock absorbers and without dead weight as in the obsolete systems of many competitors.
- AFFRI Dynamometer System permits the operator to use the machine with highly accurate results and repeatability even if the machine is unlevel, inclined or near the vibration area; The hardness tester can operate very well directly near the work machine controlling only the production in real time.
- Friendly and very easy software permits the storing of results, calculates averages and connects the EX to a printer or a PC to transmit data stored.
- Set of anvils permits easy tests on round or flat surfaces
- Also special accessories can be manufactured to easily test various sizes of test pieces.



Accurate test even on unstable point



Applying C shape indenter Art. 604, difficult points such as: insides of tubes and near hollows can be reached.

AFFRI®



- *Digital Read Out*
- *Statistics and data print out*

SERIE 206 EX 206 EXS



Optional:
1216A
Microscope
For Brinell and
Vickers indenta-
tion measuring

Optional: printer



Standard

- 1 "V" anvil Ø60
- 1 Flat anvil Ø60
- 1 Combined spot anvil for small round and flat pieces
- 1 Wooden case
- 1 Calibration certificate
- 1 Warranty certificate
- 1 Hardness conversion table
- 1 Dust Cover

Standard for 206 EX

- 1 HRC diamond penetrator
- 1 HRB ball penetrator Ø1/16"
- 1 HRB test block
- 1 HRC test block

Standard for 206 EXS

- 1 HRN Diamond penetrator
- 1 HRT ball penetrator Ø1/16"
- 1 HR30N test block
- 1 HR30T test block

On request

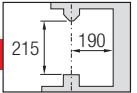
- Printer 20 column with input RS232C
- AFFRI-STAT statistic programs
- Computer for statistic program
- Vickers penetrator 136°
- Vickers test block
- Microscope 1216A Model for Vickers/Brinell measures
- Data output in standard RS232C
- Brinell loads
- Brinell test block
- Brinell indenter 2,5mm
- Large flat anvil 140mm Ø
- Special penetrator art. 604 for testing insides of tubes

On request for 206 EX

- Rocwell ball penetrator WØ1/4" - 1/8"
- Brinell ball penetrator W Ø 5-2,5mm
- Brinell automatic readout: HBT 2,5/62,5 - HBT 5/125 - HBT 2,5/187,5
- Brinell indenter 5mm

On request for 206 EXS

- Brinell ball penetrator W Ø1-2,5mm
- Brinell automatic readout: HBT 2,5/15, 6,25 - HBT 2,5/31,25
- Brinell indenter 1mm



Technical characteristics

MODEL	206 EX	206 EXS
Preload	(10 Kgf) 98,07 N	29,4N (3 Kgf)
Test Load	588 - 980 - 1471N Rockwell (60-100-150 Kgf) 98,07 - 588N Vickers (10 - 60 Kgf) 612 - 1225 - 1839N Brinell (62,5 - 125 - 187,5 Kgf) on request	147 - 294 - 441 N Superficial Rockwell (15-30-45 Kgf) 29 - 147 - 294 N Vickers (3-15-30 Kgf) 153 - 294 - 306N Brinell (15 - 30 - 31,2 Kgf) on request
Mode of operation	Automatic load timer - Electronic control programmable	
Feasible Test	Rockwell: HRA; HRB; HRC; HRD; HRE; HRF; HRG; HRH; HRK Vickers: HV10; HV60; HV100 Brinell (upon request): HB 2,5/62,5; HB2,5/187,5; HB 5/125 HBT 2,5/62,5; HBT 2,5/187,5; HBT 5/125	Superficial Rockwell: HR15N; HR30N; HR45N; HR15T; HR30T; HR45T Vickers: HV3; HV15; HV30 Brinell (upon request): HB 2,5/15,625; HB 2,5/31,25 HBT 2,5/15,625; HBT 2,5/31,25
Reading	Rockwell 9 scale (HBT on request)	6 scale Rockwell (HBT on request)
Reading resolution	0,1 HR - 0,1 HB	0,2 HR - 0,1 HB
Conformation standards	EN-ISO 6508 - 6507 - 6506	
Height capacity	215 mm	
Depth capacity	190 mm	
Diameter of column	48 mm	
Diameter of anvil	60 mm	
Max load of test piece	1000 Kg	
Data output	RS 232C optional	
Power supply	100±240V 50±60 Hz 12VA	
Field of application	For all metals, steel, hard steel, cast iron, bronze, aluminium over 0,6mm, plastics, soft and hard rubber	Nitriding, cementation, hard facing with depth less to 0,6 mm
Net weight	65 kg	
Packing weight	85 kg	
Packing measurements	37x60x102 cm	

Change of data can be effected without notice



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