

206 RSD/SD

AUTOMATIC ROCKWELL BRINELL

The new
generation of
hardness testers





Clamping feature allows for testing large, overhanging parts without the need for additional fixturing



The 2 inch clamping stroke enables operations to clamp and test parts of various sizes in one easy motion without the need for height adjustments for easy of use and faster testing.



Flexible parts can be tested securely



The visible penetrator permits testing in hard to reach areas (code 13606)

ALL OPERATIONS ARE MANAGED BY A SINGLE DRIVE INCLUDING AUTOMATIC CONTACT WITH THE TEST PIECE AND TEST CYCLE

- Clamping:

the series AFFRI® RSD clamping system holds large parts securely through out the test cycle without the need for support fixturing for easy operation and increased throughput

- Single action test stroke:

all series RSD testers feature a single action test stroke to take contact with the test piece and clamps, applies minor and major test loads with one easy motion to simplify testing and reduce training time and cost

- Performance:

- perfect and effective measurements even at the first test with AFFRI® system inside
- accuracy is stable in every condition
- no need to be levelled when installed
- can works also near to vibration
- it can be utilised by everybody also not schooling people only one start input and wait test result

TECHNICAL CHARACTERISTICS:

MODEL	206 RSD	206 RS-SD
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 0.5 %	
Temperature Range	From 10 °C to 35 °C	
Data Output	RS 232 C (USB as option)	
Power Supply	110 or 220 V / 50÷60 Hz	
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) Brinell (at request) 98.07 - 612.9 - 1226 - 1839 N (at request 2452 N (250 kgf)) (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) Brinell (at request) 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 Vickers 10 - 60 - 100 Brinell (at request) HB 30 - HB 10 - HB 5 - HB 2.5 MPa (F/D^2)	Superficial Rockwell HRN - HRT Vickers 3 - 30 Brinell (at request) HB 30 - HB 5 - HB 2.5 MPa (F/D^2)
Standards	EN-ISO 6506-2 / EN-ISO 6507-2 / EN-ISO 6508-2 / ASTM-E18 / JIS	
Screw Upward Movement	215 mm	
Indenter Stroke	50 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	70 kg	
Packaging Measurements	34 x 54 x 99 cm	



OMAG di AFFRI D. S.r.l.
Via M. Tagliaferro, 8
I-21056 INDUNO OLONA - CEE (VA) - ITALY
Tel. +39 0332 200546
Fax +39 0332 203704
info@omagaffri.com

Exclusive distributor:
AFFRI®
Via M. Tagliaferro, 8
I-21056 INDUNO OLONA - CEE - (VA) - ITALY
Tel. +39 0332 201533 +39 0332 206289
Fax +39 0332 203621
info@affri.com - www.affri.com

America:
AFFRI Inc.
111 S. Lombard Rd Unit #4
ADDISON, IL 60101 - USA
Tel. 224 374 0931 - 630 303 1588
sales@affriusa.com
www.affri.com