

206 RSD  
RS-SD



330 RSD  
RS-SD



903 RSD  
RS-SD



331 RSD/RS-SD  
For ring shape samples

**ACTION**

Just pull the start lever and the head moves down performing the hardness test cycle in automatic succession without breaching a phase:  
**1** - Automatic contact with the specimen. **2** - Automatic clamping and activation of the reference surface point. **3** - Automatic preloading and loading.  
**4** - Automatic measure. **5** - Automatic return stroke when releasing the lever. The entire test cycle is complete and the result appears on a large display.

**FORCE RANGE**

**RS-SD**

**RSD**

Preload:	29.42 N (3 kgf)	98.07N (10 kgf)
Rockwell:	---	588.4 - 980.7 - 1471 N (60 - 100 - 150 kgf)
Superficial Rockwell:	147.1 - 294.2 - 441.3 N (15 - 30 - 45 kgf)	---
Brinell:	153.2 - 294.2 - 306.5 N (15.625 - 30 - 31.25 kgf)	98.07 - 612.9 - 1226 - 1839 N (10 - 62.5 - 125 - 187.5 kgf)
Vickers/Knoop:	29.42 - 147.1 - 294.2 N (3 - 15 - 30 kgf)	98.07 - 588.4 - 980.7 N (10 - 60 - 100 kgf)

**FEASIBLE TESTS**

**RS-SD**

**RSD**

Rockwell:	---	HRA - HRB - HRC - HRD - HRF - HRG - HRL - HRM - HRR
Superficial Rockwell:	HR15N - HR30N - HR45N - HR15T - HR30T - HR45T - HR15W - HR30W - HR45W - HR15X - HR30X - HR45X - HR15Y - HR30Y - HR45Y	---
Brinell HBWT:	1/30 - 2.5/15.6 - 2.5/31.5	5/125(3) (Aluminum and its alloys) - 2.5/62.5(2) (Aluminum and its alloys) - 2.5/187.5(6) (Aluminum and its alloys) - 2.5/187.5(5) (Carbon steel) - 2.5/187.5(1) (Cast iron)
Vickers/Knoop:	Generate indentation	Generate indentation
Temperature:	Measure test temperature range from - 40.0 to + 80.0 °C	Measure test temperature range from - 40.0 to + 80.0 °C

**OPTIONAL TESTS**

**RS-SD**

**RSD**

Brinell HBW:	HB1/30 - HB2.5/15.625 - HB2.5/31.25	HB1/10 - HB2.5/6.25 - HB2.5/187.5 - HB5/125
Vickers/Knoop:	HV3 - HV15 - HV30	HV10 - HV60 - HV100

**TECHNICAL DATA**

Conformity Standards:	EN-ISO 6506-2 / EN-ISO 6507-2 / EN-ISO 6508-2 / ASTM-E10 / ASTM-E18 / ASTM-E103 / ASTM-E384 / JIS
Load accuracy:	Better than 0.5 %
Readout Division:	0.1 HR / HBWT
Indenter Stroke:	50mm / 2"
Height Capacity:	206RSD: 215 mm / 8.5" - 330RSD: 330 mm / 12" - 903RSD: 500 mm / 19.5" (As option up to 700 mm / 27.5")
Depth Capacity:	190 mm / 7.5"
Working table:	330RSD and 903RSD: 390 x 330 mm / 15 x 13" (More on request. Available optional base for ring shape samples on request)
Tolerable Weight:	2000kg
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
Software:	Affri - OMAG
Principle of Operation:	Dynamometric Load Cell
Fields Of Use	RSD: For all metals: iron, steel, tempered steel, cast iron, brass, aluminium, copper and metal alloys with more than 0.6 mm thickness. RS-SD: Heat treatment, hardening, nitriding, cementation and hardfacing with less than 0.6 mm depth.
Packing:	206RSD: 60 x 100 x h50 cm / 23 x 40 x h20" - 85kg. 330RSD: 90 x 80 x 115 / 35 x 32 x 45" - 100kg