

250 DRM DRMC



206 EX EXS EX2



206 RT RTS



FORCE RANGE

Preload:	29.42 - 98.07N (3 - 10 kgf)
Rockwell & Superficial R.:	588.4 - 980.7 - 1471 N (60 - 100 - 150 kgf) / 147.1 - 294.2 - 441.3 N (15 - 30 - 45 kgf)
Brinell (DRMC only):	9.807 - 49.03 - 61.29 - 98.07 - 153.2 - 245.2 - 294.2 - 306.5 - 612.9 - 1226 - 1839 N (as option 2452 N) (1 - 5 - 6.25 - 10 - 15.6 - 25 - 30 - 31.2 - 62.5 - 125 - 187.5 kgf - as option 250 kgf)
Vickers/Knoop:	9.807 - 29.42 - 49.03 - 98.07 - 147.1 - 196 - 294.2 - 490.35 - 980.7 N (1 - 3 - 5 - 10 - 15 - 20 - 30 - 50 - 100 kgf)

DRM

FEASIBLE TESTS

Rockwell & Superficial R.:	HRA - HRB - HRC - HRD - HRF - HRG - HRL - HRM - HRR / HR15N/T/W/X/Y - HR30N/T/W/X/Y - HR45N/T/W/X/Y
Brinell HBWT (DRMC only):	1/30 - 2.5/15.6 - 2.5/31.5 - 5/125(3) - 2.5/62.5(2) - 2.5/187.5(6) (Aluminum and its alloys) - 2.5/187.5(5) (Carbon steel) - 2.5/187.5(1) (Cast iron)
Temperature:	Measure test temperature range from - 40.0 to + 80.0 °C

DRM

OPTIONAL TESTS

Brinell HBW (DRMC only):	HB1/10 - HB1/30 - HB2,5/6,25 - HB2,5/15,625 - HB2,5/31,25 - HB2,5/62,5 - HB2,5/187,5 - HB5/25 - HB5/125 - HB5/250
Vickers/Knoop:	HV1 - HV3 - HV5 - HV10 - HV15 - HV20 - HV30 - HV60 - HV100

DRM

FORCE RANGE

Preload:	29.42 N (3 kgf)	98.07 N (10 kgf)
Rockwell or Superficial R.:	147.1 - 294.2 - 441.3 N (15 - 30 - 45 kgf)	588.4 - 980.7 - 1471 N (60 - 100 - 150 kgf)
Brinell:	153.2 - 294.2 - 306.5 N (15.625 - 30 - 31.25 kgf)	98.07 - 612.9 - 1226 - 1839 N - as option 2452 N (10 - 62.5 - 125 - 187.5 kgf - as option 250 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)

RTS/EXS/EX2

RT/EX/EX2

FEASIBLE TESTS

Rockwell or Superficial R.:	HR15N/T/W/X/Y - HR30N/T/W/X/Y - HR45N/T/W/X/Y	HRA - HRB - HRC - HRD - HRF - HRG - HRL - HRM - HRR
Brinell HBWT:	1/30 - 2.5/15.6 - 2.5/31.5	5/125 - 2.5/62.5 - 2.5/187.5
Temperature:	Measure test temperature range from - 40.0 to + 80.0 °C	Measure test temperature range from - 40.0 to + 80.0 °C

RTS/EXS/EX2

RT/EX/EX2

OPTIONAL TESTS

Brinell HBW:	HB1/30 - HB2,5/15,625 - HB2,5/31,25	HB1/10 - HB2,5/6,25 - HB2,5/187,5 - HB5/125 - HB5/250
Vickers/Knoop:	HV3 - HV15 - HV30	HV10 - HV60 - HV100

RTS/EXS/EX2

RT/EX/EX2

ACTION

**250DRM:** Spin the leveling screw handle and bring your sample to make contact with the indenter, activating the reference zero point. The Affri® system cycle starts automatically. Within seconds results appear.

**206EX and 206RT:** Spin the leveling screw handle and bring your sample to make contact with the indenter, activating the reference zero point. Pull the START lever and within seconds results appear.

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:	DRM: Better than 0.1 % - EX/EXS/EX2/RT/RTS: Better than 1 %
Readout Division:	DRM/EX/EXS/EX2: 0.1 HR / HBWT - 206RT: 0.5HR
Capacity:	Height capacity: 215 mm / 8.5" (250DRM As option 300 mm / 12") / Depth Capacity 190 mm / 7.5" (250DRM As option 220 mm / 8.5")
Tolerable Weight:	900kg
Temperature Range:	From 10 °C to 35 °C
Data Output:	DRM/EX/EXS/EX2: RS 232 C (USB as option)
Power Supply:	DRM/EX/EXS/EX2: 110 or 220 V / 50±60 Hz
Software:	Affri - OMAG
Principle of Operation:	DRM: Load Cell - EX/EXS/EX2/RT/RTS: Dynamometric Load Cell
Fields Of Use	RT/EX/EX2/DRM: For all metals: iron, steel, tempered steel, cast iron, brass, aluminium, copper and metal alloys with more than 0.6 mm thickness. RTS/EXS/EX2/DRM: Heat treatment, hardening, nitriding, cementation and hardfacing with less than 0.6 mm depth.
Packing:	60 x 100 x h50 cm / 23 x 40 x h20" - 85kg