

DATA SHEET

Micro-Deval testing machine

EN 1097-1 | EN 13450 | NF P18-572 | UNE 83115 | CNR 109 | ASTM D6928 | ASTM D7428

MAIN FEATURES

- Unique machine conforming to both EN and ASTM
- Compact and ergonomic bench top table-positioning design saving laboratory space
- High resolution graphical display 128 x 80 pixel and 6 keys membrane keyboard
- Direct precise transmission of the rotation to the drums ensuring strict conformity to Standards
- CE-conforming soundproof safety protection included

GENERAL DESCRIPTION

The Micro-Deval testing machine is used to determine aggregates' resistance to wear. It consists of a motor driven actuator (including inverter) which transmits the rotation directly to the jars. Each jar is built with an attachment that transfers the rotation to the proximal jar. The direct application of rotation forces ensures strict compliance to the rotating speed prescribed by the Standards.

The integrated automatic counter can either be preset to a total number of revolutions or maximum working time. Totally safe, all moving parts are enclosed in a CE-conforming soundproof safety cabinet that automatically stops when the lid is open. Compact and ergonomic, the Micro-Deval will maximize your laboratory bench space as it can either be positioned on a working table or on its own optional dedicated base.

Cylinders and steel spheres complying with either EN or ASTM Standards must be purchased separately. Please refer to the accessories section for more information.

TECHNICAL SPECIFICATIONS

- Overall dimensions (L x D x H): 1325 x 635 x 395 mm
- Weight (approx.): 92 kg
- Maximum no. of drums which can be fitted together is:

Drum code 48-	Standards	Max. quantity
D5242/EN	EN 1097-1 NF P18-572 NF P18-576 UNE 83115 CNR N° 109	4
D5242/EN2	EN 13450 NF P18-572	2
D5242/ASTM	ASTM D6928 ASTM D7428	4

DATA SHEET

ORDERING INFO

48-D5242/A

Micro-Deval testing machine, bench top mounting (steel base available as option).

Complete with CE-conforming soundproof safety cover. Drums and steel spheres not included.

230V, 50-60Hz, 1ph.

48-D5242/AZ

Micro-Deval testing machine, bench top mounting (steel base available as option).

Complete with CE-conforming soundproof safety cover. Drums and steel spheres not included.

110V, 60Hz, 1ph.

ACCESSORIES

Testing drum to EN

48-D5242/EN

Stainless steel cylinder to EN 1097-1 for Micro-Deval series 48-D5242/Ax. Internal dia. 200 mm x 154 mm internal height.

48-D5242/EN2

Stainless steel cylinder to EN 13450 for Micro-Deval series 48-D5242/ Ax. Internal dia. 200 mm x 400 mm internal height.

Testing drum to ASTM

48-D5242/ASTM

Stainless steel cylinder to ASTM D6928 for Micro-Deval machine series 48-D5242/Ax. External dia. 194-202 mm x 170-177 mm internal height.

Stainless steel spheres (EN, ASTM and NF)

48-D0524/7

EN stainless steel spheres, 10 mm dia. Pack of 20 kg.

48-D0524/9

ASTM stainless steel spheres, 9.5 mm dia. Pack of 20 kg.

48-D0524/1

NF Steel spheres, 30 mm dia. Pack of 10 pcs.

DATA SHEET

48-D0524/2

NF Steel spheres, 18 mm dia. Pack of 50 pcs.

Base

48-D5242/A1

Steel base for Micro-Deval series 48-D5242/Ax and 48-D5242/NTx



Micro-Deval testing machine model
48-D5242/A with base accessory
48-D5242/A1 and testing drums



Micro-Deval testing machine model
48-D5242/A with base accessory
48-D5242/A1 and testing drums