

DATA SHEET

Micro-Deval Testing Machine



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

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.

-

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

Standards

- EN 1097-1
- EN 13450
- NF P18-572
- UNE 83115
- CNR 109

DATA SHEET

- ASTM D6928
- ASTM D7428

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

*The machine can be used with one or more drums.



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



Products

48-D5242/A

Micro-Deval testing machine for determination of resistance to wear of aggregates to EN 1097-1, EN 13450, ASTM D6928 and ASTM D7428. 230V/50-60Hz/1ph.

DATA SHEET

48-D5242/AZ

Micro-Deval testing machine for determination of resistance to wear of aggregates to EN 1097-1, EN 13450, ASTM D6928 and ASTM D7428. 110V/60Hz/1ph.



Accessories and consumables

48-D0524/1

Stainless steel spheres 30 mm dia. Pack of 10 pcs. Conforming to NF

48-D0524/2

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

48-D0524/7

Stainless steel spheres, 10 mm dia. Pack of 20 kg. Conforming to EN

48-D0524/9

Stainless steel spheres, 9.5 mm dia. Pack of 20 kg. Conforming to ASTM

48-D5242/ASTM

Stainless steel cylinder to ASTM D6928 and D7428 for Micro-Deval machine series 48-D5242/Ax. External dia. 194-202 mm x 170-177 mm internal height

48-D5242/A1

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

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