

SLAKE DURABILITY APPARATUS

This test method has been developed to ASTM D4644 for assessing the deterioration of rocks over a period of time when subjected to water immersion. The apparatus consists of a motorized drive unit mounted on a baseplate and connected to two or four drums which rotate at a speed of 20 r.p.m.

The machine mounts a digital display for the visualization of the residual testing time (10 minutes for ASTM D4644). The tank assemblies are filled with water to a level 20 mm below the drum axis. The water level is indicated by a mark.

The test drums are manufactured from 2.00 mm mesh, 140 mm dia. x 100 mm long. Two drums are already included, while two additional ones can be ordered separately, see accessories. The drums can be mounted / disassembled easily with the quick-release drive units.

- Overall dimensions (lxdxh) with two drums standard included: 733x413x305 mm
- Overall weight: 22.5 kg
- Overall dimensions (lxdxh) considering the two extra drums (4 in total): 1151x413x305 mm
- Overall weight considering the two extra drums (4 in total): 33.5 kg



SLAKE DURABILITY APPARATUS

STANDARDS

- ASTM D4644

FEATURES

- Maximum 4 drums can be used simultaneously to improve testing productivity
- Complete with display showing the residual testing time (10 minutes as per ASTM indications)
- Transparent water tanks with level mark to help correct water filling
- Compact machine for saving space in the laboratory
- Drums with quick-release drive units for rapid mounting / disassembling

ACCESSORIES

32-D0546/A1

Additional pair of mesh drums, each completed with tank, basement and quick-release drive connection, compatible with machine model 45-D0546/Ax

ORDERING CODE

32-D0546/A

Slake durability apparatus to ASTM D4644 composed by motorized drive unit with 2 test drums (dia. 140mm x 100mm long, 2 mm mesh) rotating at 20 rpm, 2 transparent tanks, basement and digital timer. 220V, 50Hz, 1ph.

32-D0546/AY

Slake durability apparatus to ASTM D4644 composed by motorized drive unit with 2 test drums (dia. 140mm x 100mm long, 2 mm mesh) rotating at 20 rpm, 2 transparent tanks, basement and digital timer. 220V, 60Hz, 1ph.

32-D0546/AZ

Slake durability apparatus to ASTM D4644 composed by motorized drive unit with 2 test drums (dia. 140mm x 100mm long, 2 mm mesh) rotating at 20 rpm, 2 transparent tanks, basement and digital timer. 110V, 60Hz, 1ph.

