

Hardened Concrete Testing

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SPECIMEN GRINDING



Back view showing Sludge Settling system

GRINDING MACHINE (55-C0201/B) FITTED WITH GEO-CON'S 6 MOULD CLAMP (55-C2010/B5.CON)

MAIN FEATURES

- To grind concrete specimens, natural stones, tiles, block pavers, ceramic materials etc.
- Large base table for grinding contemporaneously up to three 100 mm cubes, or three 150 mm cubes, or two 200 mm cubes and concrete/tile blocks of various sizes (see drawing of working area).
- For cubes up to 200 mm and cylinders up to dia. 160x320 mm
- Motorized radial displacement in both directions by pushbutton or totally automatic with the 55-C0201/C version
- Safety guard with door locking switch conforming to CE
- Complete with clamping elements for cubes
- Suitable for dry grinding procedure. See accessories
- Diamond impregnated sectors available as alternative to abrasive
- Ideal for surface preparation of rock samples using the accessory 45-D0534/B



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GENERAL DESCRIPTION

Used to grind and polish rock and concrete specimens, natural stones, ceramic materials, etc. Proposed in two versions:

55-C0201/B standard version in which the radial displacement of the grinding head is motor operated and actuated by a push button.

55-C0201/C Automatic version in which the radial displacement is fully automatic and controlled by travel limit switches.

All the other characteristics are identical.

The cube and cylinder specimens can be easily locked on the table and the grinding head, 330 mm dia., can be radially moved either manually or automatically in both directions so, the only manual operation requested is the lowering of the grinding head by the top hand wheel. The machine is supplied complete with safety chip guard that, when removed, stop automatically the machine, with coolant tank, motor pump and one set of abrasive sectors. Diamond grinding sectors are available on request (see accessories). The machine is supplied complete with clamping element for 100, 150 and 200 mm cubes. Clamping devices for cylinders and device for dry grinding procedure are also available on request (see accessories).

The 45-D0534/B Core face preparation jig can be easily fitted by the clamping element supplied with the machine see accessories

TECHNICAL SPECIFICATIONS

- Table dimension: 775x280 mm
- Grinding wheel dia: 330 mm
- Max vertical daylight: 350 mm
- Min vertical daylight: 145 mm
- Max specimen size:
200 mm cubes and
160x320 mm cylinders
- Grinding head stroke: 205 mm
- N° of grinding segments: 10
- Grinding wheel speed: 1400 r.p.m.
- Automatic cross feed in both directions
- Safety guard with door locking switch conforming to CE
- Total power: 2200 W
- Overall dimensions (lxwxh): 1200x1020x1640 mm
- Weight approx.: 350 kg
- Gross weight approx.: 415 kg



Grinding Machine with Protective Shroud



Grinding Machine with Air Pollutant Reduction Canopy



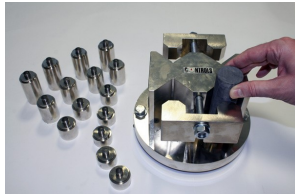
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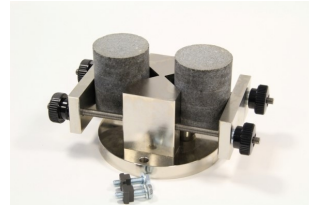
SPECIMEN GRINDING

STANDARD ACCESSORIES

- 55-C0201/B2** - Set of 10 diamond impregnated sectors. Weight approx.
- 55-C0201/B3** - Accessory to connect an aspirator for drying grinding procedure. Aspirator not included.
- 55-C0201/B4** - Clamping device for concrete cylinders from dia. 100x200 mm to 160x320 mm.
- 55-C0201/B6** - Device for clamping one additional cylindrical specimen from 100 up to 160mm dia. It shall be used along with accessory 55-C0201/B4
- 55-C0201/B5** - Clamping device for concrete cylinders from 50 to 100 mm dia.
- 55-C0201/B7** - Device for clamping one additional cylindrical specimen from 50 up to 100 mm dia. It shall be used along with accessory 55-C0201/B5.
- 45-D0534/B** - Core face preparation jig for preparation of parallel and flat core faces grinders—max core diam. 55mm.
- 45-D0534/C** - Core face preparation jig for preparation of parallel and flat core faces grinders—core diam. 50—100mm.



45-D0534/B



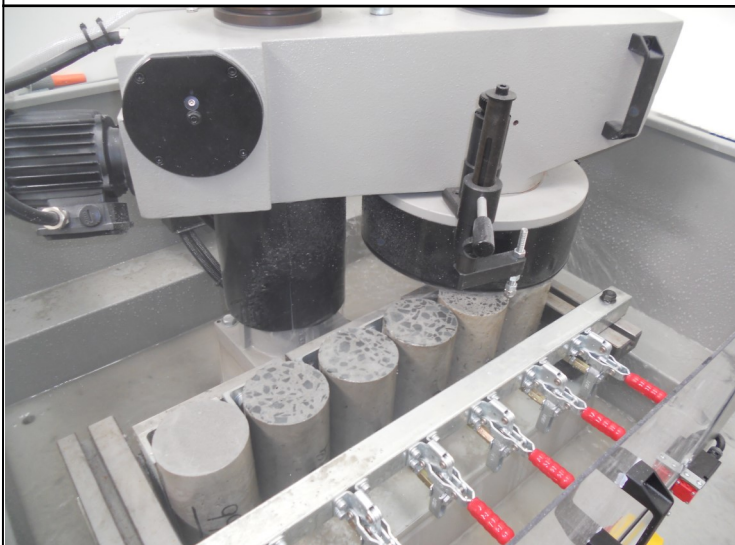
46-D0534/C

ORDERING INFO

- 55-C0201/B** - Specimen grinding machine. 220-380 V, 50 Hz, 3 ph
- 55-C0201/C** - Specimen grinding machine with automatic radial displacement of the grinding head. 230-380 V, 50 Hz, 3 ph.

ACCESSORIES AVAILABLE FROM GEO-CON

- 55-C0201/B6.CON** - Grinding machine sludge settling system
- 55-C0201/B7.CON** - Extended Protective Shroud
- 55-C0201/BT.CON** - Air Pollutant Reduction Canopy
- 55-C0201/B4.CON** - Clamping Device for 4 100mm dia. by 200mm high Concrete Cylinders
- 55-C0201/B5.CON** - Clamping Device for 6 100mm dia. by 200mm high Concrete Cylinders



Grinding Machine working with Geo-Con 6 Mould Clamping device



Grinding Machine with standard cube Clamping device



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