

Self-levelling Compression Plates, QC fitting

MecS223

Self-levelling compression plates are ideal for precise compression testing on a range of materials and finished products. Self-levelling allows exact parallelism to be set between the upper and lower plates—ideal for those applications where it is critical to accurately measure the deformation of a sample.

The MecS223 range of hardened steel self-levelling plates features a spherical seating mechanism which allows the plate to 'float' and adjust to the specimen geometry during the compression test. Alternatively there are 4 nuts which can lock the self-levelling plate in position when it has been set completely parallel to the opposite 'fixed' plate (type Mec23).

MecS223k self-levelling plates are fitted with QC-20 mm bore hole adaptors suitable for compressive load applications up to 25kN (e.g. metals, rigid plastics etc.).

MecS223g self-levelling plates are fitted with QC-32 mm bore hole adaptors suitable for compressive load applications up to 50kN (e.g. metals, concrete etc.).

Ordering Information

Scope of delivery: 1 plate

MecS223k for 20 mm coupling (B)

Item No.	Diameter (A)	Weight
MecS223k-56	56 mm	~ 1.27 kg
MecS223k-96	96 mm	~ 1.4 kg
MecS223k-116	116 mm	~ 1.7 kg
MecS223k-156	246 mm	~ 2.7 kg
MecS223k-196	196 mm	~ 3.95 kg

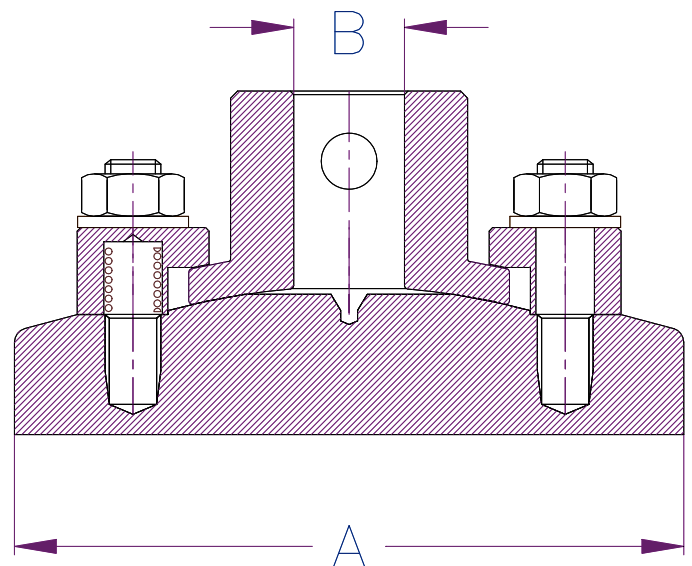
MecS223g for 32 mm coupling (B)

Item No.	Diameter (A)	Weight
MecS223g-56	56 mm	~ 5.3 kg
MecS223g-96	96 mm	~ 6.1 kg
MecS223g-116	116 mm	~ 6.5 kg
MecS223g-156	156 mm	~ 7.1 kg
MecS223g-196	196 mm	~ 7.4 kg

Other dimensions on request



MecS223▲



The fixed plate Mec23 can be combined with a MecS223 self-levelling plate to form a pair of plates between which specimens are compressed.



MecS223k-116



Mec23-56-B-St Fixed
Compression Plate 56mm
diameter with QC-32mm bore-
hole



Mec23-116-B-St Fixed
Compression Plate 116mm
diameter with QC-20mm bore-
hole



MecS223g-56

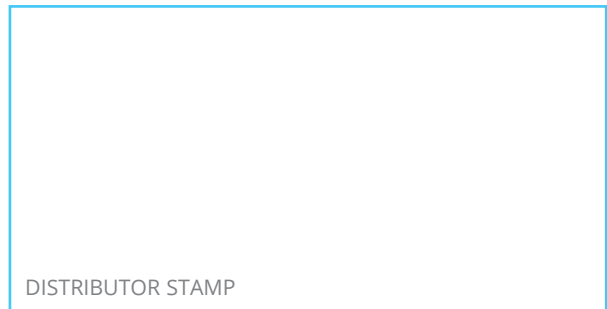
Examples of MecS223 self-levelling compression plates used in combination with Mec23 'fixed' compression plates

For more information on QC fittings, refer to datasheet 431-354
Adapters for QC range of grips.



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