

**SWIVEL and PLATEN
ASSEMBLY - COMPLETE KIT
FOR ROCK UCS 3 sizes in
the kit 50,63,75mm
101-0396I-03**

MatCivTest
MATERIAL CIVIL TEST EQUIPMENT



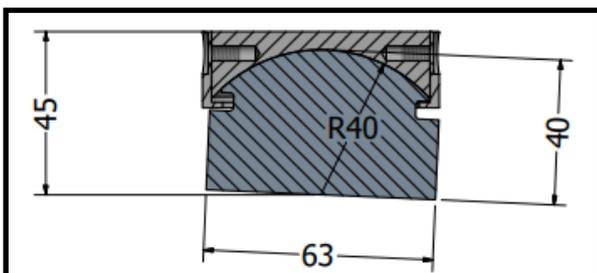
This rock UCS compression swivel kit will allow the adaption of most Compression machines and Universal testing machines for Rock UCS test. It is simple, compact and well designed with a common upper swivel with replaceable disc kit covering the most common UCS core sizes.

Complying to AS4133-4-2 , ASTM D7012-14

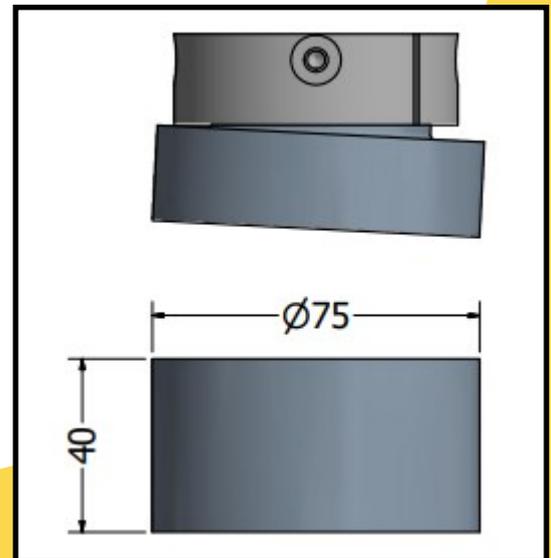
The kit Included adapters and discs for Specimen sizes 50, 63, 75mm dia

As per the standard the

- Platen surfaces are Tool-hardened steel to a minimum Rockwell Hardness of 58C
- Diameter of the spherical seat shall be at least as large as that of the test specimen, but shall not exceed twice the diameter of the test specimen.
- The centre of the sphere in the spherical seat shall coincide with that of the bearing face of the specimen.
- The movable portion of the platen shall be held closely in the spherical seat,
- The platen diameter shall be at least as great as that of the specimen and have a thickness-to diameter ratio of at least 1:2.



Typical cross section through the 63mm upper platen swivel



75mm assembly showing lower platen dimensions