

Spherical Seat Compression Platens | G223

Overview

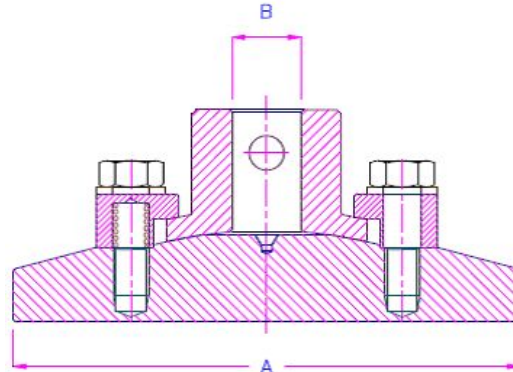
G223 Spherical seated compression platens handle angular movement (to ~1.5 degrees) of the specimen top surface with reference to the machine's loading axis. The Spherical seat of the platen enables it to self align to the surface of the specimen so that it provides aligned contact. These fixtures meet ASTM E9 and other industry standard tests, which state: "the spherical surface of the block shall be defined by a radius having its point of origin in the flat surface that bears on the specimen." They are mounted to the crosshead of the test machine and typically used with a fixed compression platen mounted to the machine base. The fixtures adjust to sample end cut variations or can be preset at the adjusted angle by hand tightening the bolts to resist platen rotation during the test. They are hardened steel plate. Other tests include ASTM C109, ASTM C165 and ASTM C469.



G223N-56



G223G-56



A: Diameter of Platen
B: Coupling

Specifications

G223K for couplings Ø 12 – 25 mm (0.4 in – 0.98 in) G223G for couplings Ø 30 – 40 mm (1.18 in – 1.57 in)	
Application	Metal specimens, concrete etc
Body	Hardened steel 58 HRC, phosphate coating
Temperature range	0° to +280°C (32° to 536°F) -70° to +280°C (-94° to 536°F) nickel plated
Max. capacity	Depends on size of coupling

G223N for couplings up to Ø 8 mm (0.31")	
Application	Low weight specimens, packaging material etc
Body	Aluminum, anodized
Temperature range	-70° to +180°C (-94° to 356°F)

G223N

Model	Diameter	Weight/Each Platen
G223N-56	56 mm (2.2 in)	60 g (0.13 lbs)

G223K

Model	Diameter	Weight/Each Platen
G223K-56	56 mm (2.2 in)	1.27 kg (2.8 lbs)
G223K-96	96 mm 3.8 in)	1.4 kg (3.1 lbs)
G223K-116	116 mm (4.5 in)	1.7 kg (3.7 lbs)
G223K-156	156 mm (6.1 in)	2.7kg (5.9 lbs)

G223K

Model	Diameter	Weight/Each Platen
G223G-56	56 mm (2.2 in)	5.2 kg (11.5 lbs)
G223G-156	156 mm (6.1 in)	5.1 kg (11.2 lbs)
G223G-196	196 mm (7.7 in)	6.4 kg (14.1 lbs)

The max. capacity depends on the size of the coupling which range
from 8 mm, 15.9 mm, 20 mm, 30 mm, 31.8 mm, 32 mm etc

Contact an application engineer to configure a solution to your application requirements.