

**Mechanical Wedge Action Grips
GB5-300 Family
Fatigue Rated**

GB5 Mechanical wedge action grips are designed specifically for fatigue testing applications. Their design features grip bodies that move vertically with wedge jaws that remain stationary relative to the test sample, and open and close laterally. As the handles are tightened manually, the grip bodies move, the jaws are held in position on the sample and open and close laterally. The dual acting wedge jaws also move simultaneously relative to the grip centerline, ensuring correct specimen alignment, removing bending strains that invalidate test results.

Interchangeable jaws are available matched to the needs to test round and flat samples. These grips save time with a side opening that enables quick and easy sample insertion.

These grips operate in tension and perform static and fatigue tests.

GB5 grips are available with threaded or pin/cup mechanical connections – made to your test machine requirements.



GB5 Family	GB-300	GB-301	GB-302
Maximum Static Force	37 kN (7500 lb)	75 kN (16750 lb)	150 kN (33750 lb)
Maximum Fatigue Force	25 kN (5500 lb)	50 kN (11250 lb)	100 kN (22500 lb)
Max Sample Width	25 mm (1 in)	30 mm (1.2 in)	30 mm (1.2 in)
Max Sample Thickness	12 mm (0.4 in)	16 mm (0.63 in)	20 mm (0.8 in)

Interchangeable Jaws available to sample size requirements

Jaw	Description
GB5-XXBP	Serrated Jaws for flat samples – several sizes available
GB5-XXBV	V-Jaw for round test samples – several sizes available.

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