Screw Action Tensile Grip

Description

Mechanical side action grips feature a dual-acting screw design. Screw side action grips provide an efficient method for holding test specimens in a wide range of tensile testing applications. Mechanical screw action grips are also the most affordable grip in their force class because they depend on the operator to open and close them. They don’t require the additional infrastructure associated with powered grips. The dual-acting design ensures that jaws can be adjusted side to side to accommodate different specimen thicknesses, and that the line of tensile force remains concentric with the grip body. All grips and fixtures can be adapted to fit any brand of test machine through the use of an optional coupler.

Jaws can be offset for irregular or asymmetrical specimens such as lap-shear types and component testing. Screw adjustment is possible on either side via hand or with a torque wrench. Engraved scales on the grip body aid in centering grip planes.

U shaped model grips feature jaws which articulate, providing self-alignment and causing a self-tightening effect. Standard jaw surfaces include rubber-coated, serrated, smooth-ground, line contact, wave action, diamond surface, and V jaws for round samples.

Model: AHP90

Max Force Capacity: 50 kN (11250 lbf)

Max Opening: 30mm

Sample Diameter: 6 to 30 mm

Temperature Range: 0 to 180 C (32 to 355 F) – other temperatures available on request.

Fixture Adapter: Af318 (31.8 mm or 1.25 in) with 12.7 mm crosspin. Other adapter sizes available on request.

Max Jaw Width: 210 mm (8.26 in)

Category

1. Tensile Grips