

122-007 Side operating pneumatic grip, 5kN

Compatible

Tinius Olsen ST series of materials testing systems.

Applications

Flat flexible materials, textiles, paper, film, polymers



Single sided pneumatic grips with 5/8" female interface. Allows offsetting of each grip to perform tests on varying thickness samples as well as lap shear or other offset tensile/peel tests. Conventional centerline tensile/peel tests are easily accommodated, similarly changing of jaw faces for differing test materials.

Grips require the use of the high flow pneumatic control unit and can be used with a grip positioning add-on device for more automated testing set-ups.

Specifications

Maximum capacity	5kN / 1,000lbf
Minimum Load cell	500N / 100lbf
Construction	Aluminium anodized body
Mounting Interface	Quick change, no backlash (This grip comes with 5/8" female interface as standard)
Dimensions	225mm high
Maximum clamping force	10kN / 2,000lbf at 80psi / 5.5bar (clamping force stays constant even if sample reduces in thickness)
Specimen dimension	23mm thick (width depends on fitted jaws)
Weight	7.3kg / 16lbs (without jaw faces)
Operating air supply	80-100psi / 5.5-7bar
Temperature range	-10° to 50°C / 14° to 122°F (Options available for wider range)

Standards

Fabric	ISO 4637, 9073-3, 9073-4, 13936-1, 13936-2
	ASTM D413, D434, D751, D885, D1117, D1682, D1683, D1775, D2261, D2724, D2970, D3107, D3787, D4034, D4851, D4964, D5034, D5035, D5278, D5446, D5587, D5733, D5735, D5822, D6614, D6479, D6775, D6797
	EN ISO 1421, 2411, 4674-1, 9073-4, 13934-1, 13934-2, 13935-1, 13935-2, 13936-1, 13936-2, 13937-1, 13937-2, 13937-4
	EN 1875-3
	M&S P11, P12, P13, P14, P14A, P14B, P14C, P15, P15A, P35, P42, P43, P98
	IGB, AS, Next, Adidas, Arcadia, SAC, BS, GAP, H&M, IUP Ltd, Nike, Pacific Brands and more
Plastic film	ISO 527-3, 6383/1
	ASTM D882, D1004, D1938, D5458
Paper	ISO 1924-2, 1924-3, 12625-4, 12625-5
	ASTM D828, D1894
	TAPPI T231, T456, T494

TO order numbers

99-1008573	122-007, Pneumatic Grips, Single Sided 5/8" (F), 5kN
99-1008574	122-007 - Jaw Faces, Corrugated, 50 x 50mm
99-1008575	122-007 - Jaw Faces, Rubber Faced, 50 x 75mm
99-1008576	122-007 - Jaw Faces, Rubber Faced, 50 x 100mm
99-1008577	122-007 - Jaw Faces, Line Serrated (C3), 50 x 50mm; Contact 25W x 50H
99-1008780	122-007 - Jaw Faces, Rubber Faced, 50 x 50mm (set of 4)
99-1011440	122-007 - Jaw Faces Straight Serrated (C3) 25mm Raised Square Face
99-2011819	122-007 - Jaw Faces R8 (4mm-8mm OD) 2mm Pitch Serrated V
99-2011820	122-007 - Jaw Faces R15 (8mm-15mm OD) 2mm Pitch Serrated V
99-2011821	122-007 - Jaw Faces R18 (15mm-18mm OD) 2mm Pitch Serrated V
99-1008585	122-006/007 Add-on Grip Positioning
99-1009446	Pneumatic Controller (configurable for Software, hand or footswitch operation)
99-045-0030	Foot Switch for use with Pneumatic Controller