

WEDGE ACTION GRIPS



SPECIFICATION
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INTERNET
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TG15: Sliding Wedge, Self Tightening Grip

Description

General purpose sliding wedge, self tightening grips supplied with straight cut faces as standard. Two additional face options are available.

Specification

Maximum Capacity	5 kN	1124 lbf
Minimum Load Cell	100 N	22.5 lbf
Gripping Length	50 mm	2.0 in
Maximum Sample Width	25 mm	1.0 in
Maximum Sample Thickness	10 mm	0.4 in
Eye End Diameter	15.85 mm	5/8 in
Weight Each	1.5 Kg	3.3 lb
Length Each	125 mm	5.0 in
Temperature Limits	Ambient	

Applications

Tensile testing of flat or round rigid materials, plastics, light metals etc.. by stretching a sample to break and recording the relationship between force and extension.



TG270: Capstan Action Wedge Grip (30 kN - 6744 lbf)

Description

Capstan Action Parallel Wedge Grip supplied with straight cut faces for flat samples as standard. Capstan action enables the sample to be held tightly in the jaws before commencing the test. Available with a range of interchangeable jaw faces (see table below)

Specification

Maximum Capacity	30 kN	6744 lbf
Minimum Load Cell	500 N	112 lbf
Gripping Length	50 mm	2.0 in
Max Sample Width	25 mm	1.0 in
Max Sample Thickness	11.5 mm	0.5 in
Eye End Diameter	31.7 mm	1.2 in
Weight Each	4.5 Kg	1.0 lb
Length Each	195 mm	7.7 in
Temperature Limits	-70°C	+200°C

Applications

Tensile testing for general metallurgical and composite applications by stretching a sample to break and recording the relationship between force and extension.



TG280: Capstan Action Wedge Grip (50 kN - 11241 lbf)



Description

Capstan Action Parallel Wedge Grip supplied with straight cut faces for flat samples as standard. Capstan action enables the sample to be held tightly in the jaws before commencing the test. Available with a range of interchangeable jaw faces (see table below)

Specification

Maximum Capacity	50 kN	11240
Minimum Load Cell	500 N	112.4
Gripping Length	50 mm	2.0 in
Max Sample Width	25 mm	1.0 in
Max Sample Thickness	16.5 mm	0.6 in
Eye End Diameter	31.7 mm	1.25 in
Weight Each	4.5 Kg	10 lb
Length Each	195 mm	7.7 in
Temperature Limits	-70°C +200°C	

Applications

Tensile testing for general metallurgical and composite applications by stretching a sample to break and recording the relationship between force and extension.

TG295: Heavy Duty Capstan Action Wedge Grip

Description

Heavy duty capstan action wedge grip supplied complete with one set of cross cut jaw faces for samples up to 18mm thick but other jaws are available. The capstan action moves the grip body with relation to the jaws to minimise the preload applied to the sample when the grips are tightened.

Specification

Maximum Capacity	100 kN	1.1 lbf
Minimum Load Cell	5 kN	1.1 lbf
Standard Jaw Faces	Cross cut faces for samples up to 21 mm (0.8 in) thick. 50 mm (2 in) wide x 70 mm (3 in)	
Maximum Sample Thickness	21 mm	0.08 in
Eye End Diameter	15.85 mm	0.62 in
Weight Each	13.5 Kg	0.22 lb
Length Each	293 mm	4.0 in
Temperature Limits	-70°C +200°C	

Applications

Tensile testing for general metallurgical and composite applications by stretching a sample to break and recording the relationship between force and extension.



TG352: Heavy Duty Capstan Action Wedge Grip

Description

Heavy Duty Capstan Action Parallel Wedge Grip. Capstan action enables the sample to be held tightly in the jaws before commencing the test. Available with a range of interchangeable jaw faces (see table below)

Specification

Maximum Capacity	300 kN	67443 lbf
Minimum Load Cell	5 kN	1124 lbf
Gripping Length	100 mm	4.0 in
Max Sample Width	50 mm	2.0 in
Max Sample Thickness	12 mm	0.5 in
Eye End Diameter	50 mm	2.0 in
Weight Each	30 Kg	66 lb
Length Each	195 mm	7.7 in
Temperature Limits	-70°C +100°C	



Applications

Tensile testing for general metallurgical and composite applications by stretching a sample to break and recording the relationship between force and extension.

ORDERING INFORMATION

Model	Part No.	Description
TG15	01/1388	Self Tightening Sliding Wedge Grip (5 kN 1124 lbf)
TG15/C	01/1389	Cross Cut Jaw Faces for TG15 (25 x 50mm - 1 x 2 in)
TG15/S	01/1409	Straight Cut Jaw Faces for TG15 (25 x 50mm - 1 x 2 in)
TG15/R12	01/1390	V Notch Cut Jaw Faces for TG15(4 - 12mm 0.2 - 0.5 inØ)
TG270	01/2399	Capstain Action Parallel Wedge Grips (30 kN - 6744 lbf)
TG270/C	01/2151	Cross Cut Jaw Faces for TG270 & TG280 (25 x 50mm - 1 x 2 in)
TG270/S	01/2340	Straight Cut Jaw Faces for TG270 & TG280(25 x 50mm - 1 x 2 in)
TG270/V15	01/2105	V Notch Cut Jaw Faces for TG270 & TG280(4 - 15mm 0.2 - 0.6 inØ)
TG270/V20	01/2287	V Notch Cut Jaw Faces for TG270 & TG280(15 - 20mm - 1 x 2 inØ)
TG280	01/2405	Capstain Action Parallel Wedge Grips (50 kN - 11241 lbf) - Jaw faces see above
TG295	01/2951	Capstain Action Parallel Wedge Grips (100 kN - 22481 lbf)
TG295/C	01/2406A	Cross Cut Jaw Faces for TG295 (50 x 70mm (2 x 2.8 in) wide, 10 x 28mm (0.4 x 1.1in) thick
TG295/V12	01/2407A	V Notch Jaw Faces for TG295 (Samples: 6 - 12mm, 0.2 - 0.5 in Ø)
TG295/V24	01/2407B	V Notch Jaw Faces for TG295 (Samples: 12 - 24mm, 0.5 - 1.0 in Ø)
TG295/V36	01/2407C	V Notch Jaw Faces for TG295 (Samples: 24 - 36mm, 1.0 - 1.4 in Ø)
TG352	01/2781	Heavy Duty Parallel Wedge Grips (300 kN 67443 lbf)
TG352/F1	01/2782	Straight Cut Jaw Faces for TG352 (0 - 20mm, 0 - 0.8 in thick)
TG352/F2	01/2783	Straight Cut Jaw Faces for TG352 (20 - 40mm, 0.8 - 1.6 in thick)
TG352/V10	01/2784	V Notch Jaw Faces for TG352 (Samples: 10 - 20mm, 0.4 - 0.8 in Ø)
TG352/V15	01/2785	V Notch Jaw Faces for TG352 (Samples: 15 - 30mm, 0.6 - 1.2 in Ø)
TG352/V26	01/2786	V Notch Jaw Faces for TG352 (Samples: 26 - 40mm, 1.0 - 1.6 in Ø)



TEST AND CALIBRATION INSTRUMENTS

 = Jaw Face Options

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Manufacturer