

TG280

Capstan Action Wedge Grip

This capstan action, parallel wedge grip is supplied with straight cut faces as standard. It is ideal for flat or round samples. The capstan action holds samples securely in the jaws prior to test. Optional jaw faces are available and may also be used with the TG270 capstan action grip

Capacity

50 kN, 11240 lbf

Packaging

Includes upper and lower grips with standard straight cut faces. The TG280 is not included when ordering optional jaw faces.

Applications

Used on tensile testing in general metallurgical and composite applications.

Optional Jaw Faces for TG280

Face Type	Dimension	Model No.	Part No.
Cross Cut	25 x 50 mm 0.98 x 1.97 in	TG270/C1	01/2404
Straight Cut	25 x 50 mm 0.98 x 1.97 in	TG270/S	01/2340
V-Notch Cut	4 – 15 mm 0.16 – 0.59 in	TG270/V15	01/2105
V-Notch Cut	15 – 20 mm 0.59 – 0.79 in	TG270/V20	01/2287

Jaw Face Options



Cross Cut Faces



Straight Cut Faces



V-Notch Cut Faces

Ordering Information

Model	Part No.	Description
TG280	01/2405	Capstan Action Parallel Wedge Grips - 50 kN, (11240 lbf)



Specification

Maximum Capacity	50 kN	11240 lb
Minimum Loadcell	500 N	112.5 lb
Gripping Length	50 mm	1.97 in
Maximum Sample Width	25 mm	0.98 in
Maximum Sample Thickness	16.5 mm	0.65 in
Eye End Diameter	31.7 mm	1 1/4 in
Weight Each	4.5 Kg	10 lb
Length Each	195 mm	7.68 in
Temperature Limits	-70°C to 200°C	-94°F to 392°F

Note: See pages 93-113 for adapters required to fit grips to force gauges, loadcells, and test stands.