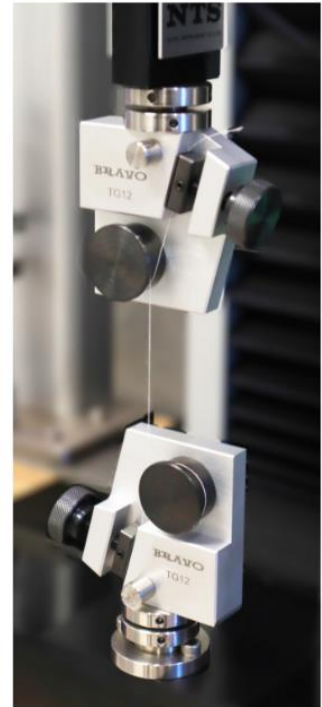
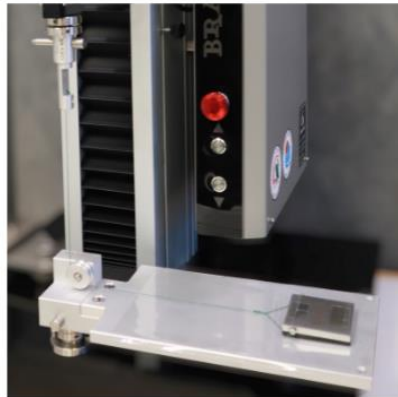
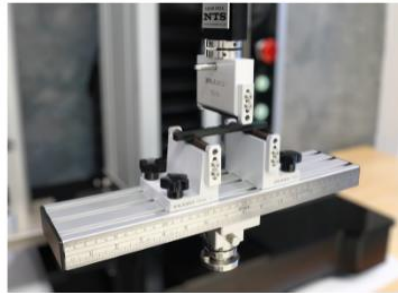
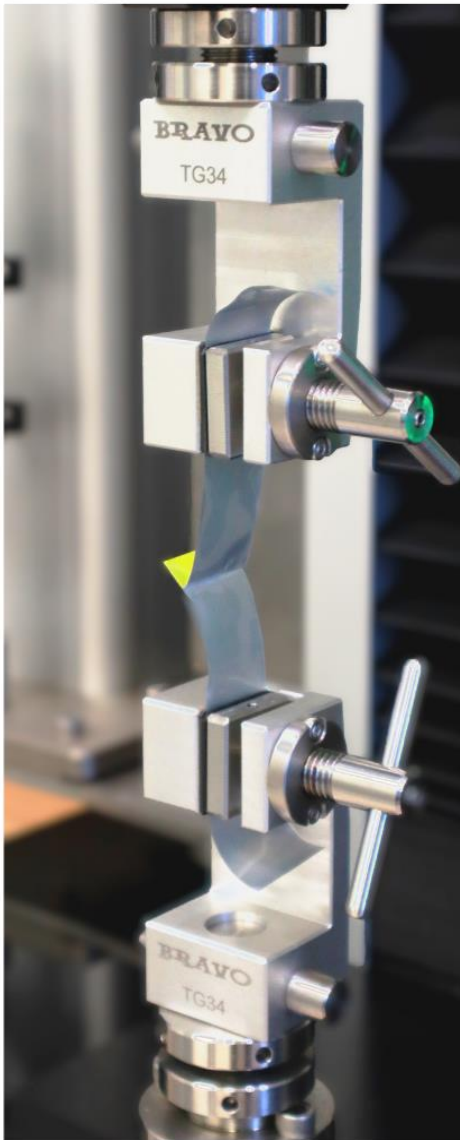


# UNIVERSAL TESTING MACHINE

# Grip & Fixture



## Ordering Information



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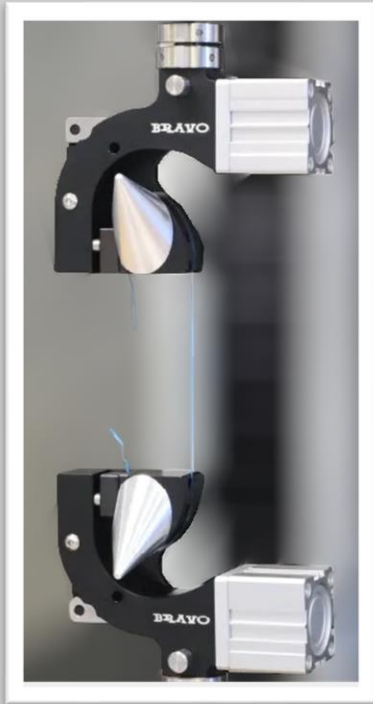


[info@tech-quality.com](mailto:info@tech-quality.com)

@techquality



## TG12N Pneumatic Bollard Grip



Bollard grip for wire, yarns and threads. The sample is wrapped around the bollard and the free end

clamped firmly in place. Grip stresses in the specimen are distributed in the material in contact with

the bollard circumference.

Capacity 800N,

**Packaging** Includes upper and lower grip.

### **Specification**

Maximum Capacity 800 N

Bollard Diameter 32 mm

Max. Sample Diameter 3 mm

Eye End Diameter 16 mm

Weight Each 1 Kg / Length Each 115 mm

## TG64 Circular Direct Compression Platens

Circular direct compression platens intended for samples 50 mm up to 150 mm in diameter.

**Packaging** with upper and lower

### **Applications**

Used for general purpose compression testing of a wide variety of materials and products.

### **Specification**

Maximum Capacity 1-20 KN Diameter 150 mm

Maximum Capacity 30-50KN Diameter 100 mm

Maximum Capacity 100KN Diameter 50 mm

Eye End Diameter 16 and 32 mm

Weight Each 1.5 to 15 Kg



## TG295 Heavy Duty Capstan Action Wedge Grip



This capstan action wedge grip is supplied with one set of cross cut jaw faces. Ideal for flat samples up to 22mm thick or round samples up to 22 mm in diameter. Optional jaw faces are available.

### Packaging

Includes upper and lower grips with standard cross cut faces. The TG295 is not included when ordering optional jaw faces.

### Applications

Used for tensile testing in general metallurgical and composite applications.

### Specification

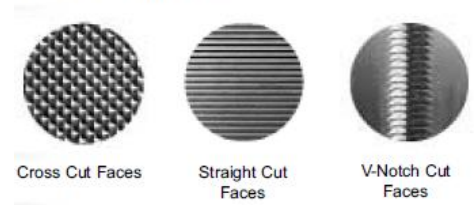
Maximum Capacity 100 kN

Cross Cut Faces: & V-Notch Cut

Maximum Sample Diameter 22 mm

Maximum Sample Thickness 22 mm

### Jaw Face Options



## TG280 Wedge Grip



This capstan action wedge grip is supplied with one set of cross cut jaw faces. Ideal for flat samples up to 7 mm thick or round samples up to 9 mm in diameter. Optional jaw faces are available.

### Packaging

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

### Applications

Used for tensile testing in general metallurgical and composite applications.

### Specification

Maximum Capacity 50 kN

Flat Jaw face & V-Notch

Maximum Sample Diameter 4-9 mm

Maximum Sample Thickness 0-7 mm



V Notch diameter 4-9mm



Flat Jaw face Thickness 0-7 mm



## **TG19 Three Point Bending fixtures**

### **Applications**

For Testing Plastics, Metals, Alloys, Composites, Microelectronics, and Components

### **Specification**

Maximum Capacity 50KN

Span 140 mm

Material Steel



## **TG62 Heavy Duty 3-Point Bend Jig**

This jig operates in compression only. Used for performing uni-directional bending tests on rigid and semi-rigid materials. Supplied with 10 mm specimen supports. A four point bend jig conversion kit is also available.

### **Capacity**

100 kN,

### **Packaging**

Complete jig with 10 mm specimen supports.

### **Applications**

Used to determine the flexural properties of rigid and semi-rigid materials including glass, ceramics, composites, wood and plastics.

### **Specification**

Maximum 1 KN up to Capacity 100 KN

Max Sample Width 150 mm (customized design)

Span Adjustment up to - 300 mm (customized design)