



## Low Force Compression Tools



Grip Reference HC64



Grip Reference HC76



Grip Reference HC68

**Description:** Light compression platens, round in profile, with precision ground hardened surface with test specimen location centering rings.

**Use On:** Benchtop materials testing machines

**Applications:** Polystyrene, rubber, composites, sintered materials, medical tablets, and components

**Specifications:**

Max. Capacity	30 kN/6,000 lbf
Min Loadcell	50 N/10 lbf
Platen Diameter	50 mm/2 in
Length Each	90 mm/3.5 in
Weight Each	500 g/1.1 lb
Temperature Limits	-30° to 70 °C

**Description:** Compression platens, round in profile, with precision ground hardened surface with test specimen location centering rings.

**Use On:** Benchtop materials testing machines

**Applications:** Composites, sintered materials, golf balls, and components

**Specifications:**

Max. Capacity	30 kN/6,000 lbf
Min Loadcell	100 N/20 lbf
Platen Diameter	75 mm/3 in
Length Each	90 mm/3.5 in
Weight Each	980 g/2.16 lb
Temperature Limits	-30° to 70 °C

**Options:**

Compression of displacement transducer

**Description:** Compression platens, round in profile, precision ground hardened surface with test specimen location centering rings.

**Use On:** Benchtop materials testing machines

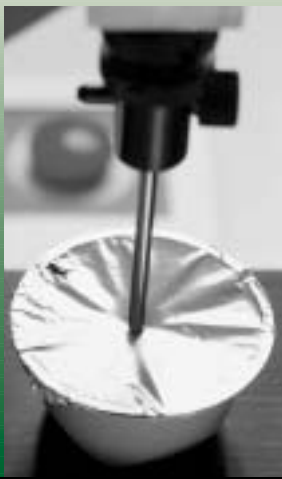
**Applications:** Foam, composites, bottles, and components

**Specifications:**

Max. Capacity	30 kN/6,700 lbf
Min Loadcell	100 N/20 lbf
Platen Diameter	100 mm/4 in
Length Each	90 mm/3.5 in
Weight Each	1 kg/2.2 lb
Temperature Limits	-30° to 70 °C

**Options:**

Compression of displacement transducer



Grip Reference HC83



Grip Reference HC216



Grip Reference SAA

**Description:** Compression platens, square in profile, precision ground hardened surface.

**Use On:** Benchtop materials testing machines

**Applications:** Foam, packaging systems, composites, and components

**Specifications:**

Max. Capacity	30 kN/6,700 lbf
Min Loadcell	100 N/20 lbf
Platen Size	200 x 200 mm/8 x 8 in
Length Each	90 mm/3.5 in
Weight Each	1.2 kg/2.65 lb
Temperature Limits	-30° to 70 °C

**Description:** Compression platens, square in profile, precision ground hardened surface.

**Use On:** Benchtop materials testing machines

**Applications:** Foam, packaging systems, and components

**Specifications:**

Max. Capacity	30 kN/6,700 lbf
Min Loadcell	1 kN/200 lbf
Platen Size	400 x 400 mm/16 x 16 in
Length Each	120 mm/4.75 in
Weight Each	4 kg/9 lb
Temperature Limits	-30° to 70 °C

**Description:**

Upper platens in general can be supplied with self aligning adaptation to ensure positive contact with materials and or components under test. These help avoid excessive off center loading of loadcells in cases where materials or components are likely to collapse in a non-uniform way.

**Use On:**

Benchtop materials testing machines

**Specifications:**

Length Each	Typically adds 50 mm/2 in to platen
Weight Each	Typically adds 0.25 kg/0.5 lb to platen
Temperature Limits	-30° to 70 °C

High and low temperature options available for use in temperature chambers.

Specifications subject to change without notice.

Platens available in round or square profile all dimensions on request

**Contact Your Local Representative:**



1065 Easton Road  
Horsham, PA 19044 USA  
(215) 675-7100  
Fax (215) 441-0899  
www.TiniusOlsen.com  
info@TiniusOlsen.com

6 Perrywood Business Park  
Honeycrock Lane, Salfords  
Redhill, Surrey RH1 5DZ England  
+44 (0) 1737 765001  
Fax +44 (0) 1737 764768