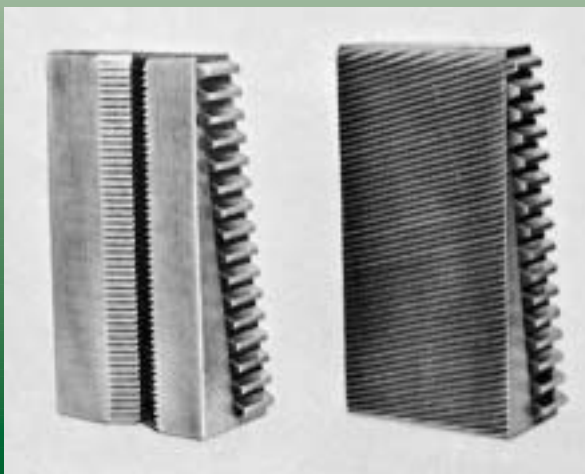
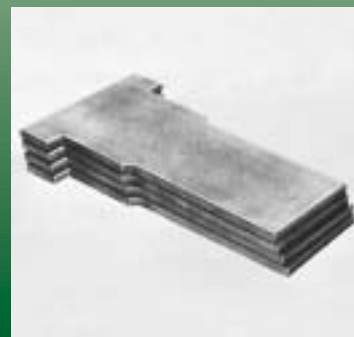




## Wedge Style Tensile Grips



Grip Reference 67-N-20



Grip Reference 67-N-23

**Description:** Flat wedge and vee wedge grips for testing flat and round specimens. Grips are made from high alloy steel and faces are machine cut, hardened, and ground to tolerances that ensure proper gripping. Grips are supported in accurately aligned crosshead pocket by grip pinion shaft and operated with rack on side of each grip and pinion on shaft. Grips are available in many capacities and typically rated to the maximum capacity of the test frame.

**Used On:** Super L hydraulic testing machines and Electomatic materials testing machines with closed crossheads

**Applications:** Metals and other high strength materials

**Specifications:**

Max. Capacity	300 kN/60,000 lbf
Max. Diameter (with vees)	28 mm/1.125 in
Min. Diameter (with vees)	11 mm/0.4375 in
Max. Thickness (with flats)	25 mm/1 in
Max. Width (with flats)	50 mm/2 in
Length Each	40 mm/1.6 in
Weight Each	150 g/0.33 lb
Temperature Limits	-70 to 200 °C

**Specifications:**

Max. Capacity	600 kN/120,000 lbf
Max. Diameter (with vees)	57 mm/2.25 in
Min. Diameter (with vees)	17 mm/0.6875 in
Max. Thickness (with flats)	44 mm/1.75 in
Max. Width (with flats)	63 mm/2.5 in
Length Each	40 mm/1.6 in
Weight Each	150 g/0.33 lb
Temperature Limits	-70 to 200 °C

**Specifications:**

Max. Capacity	1000 kN/120,000 lbf
Max. Diameter (with vees)	60 mm/2.375 in
Min. Diameter (with vees)	13 mm/0.5 in
Max. Thickness (with flats)	54 mm/2.125 in
Max. Width (with flats)	50 mm/2 in
Length Each	40 mm/1.6 in
Weight Each	150 g/0.33 lb
Temperature Limits	-70 to 200 °C

**Specifications:**

Max. Capacity	2000 kN/400,000 lbf
Max. Diameter (with vees)	66 mm/2.625 in
Min. Diameter (with vees)	17 mm/0.6875 in
Max. Thickness (with flats)	54 mm/2.125 in
Max. Width (with flats)	50 mm/2 in
Length Each	40 mm/1.6 in
Weight Each	150 g/0.33 lb
Temperature Limits	-70 to 200 °C

**Description:** Placing appropriate thickness grip liner between back of grip and crosshead, a wider range of specimen sizes can be tested using standard wedge grips. Grip liners are usually supplied in sets of four of same thickness.

**Used On:** Super L hydraulic testing machines and Electomatic materials testing machines

**Applications:** Metals and other high strength materials

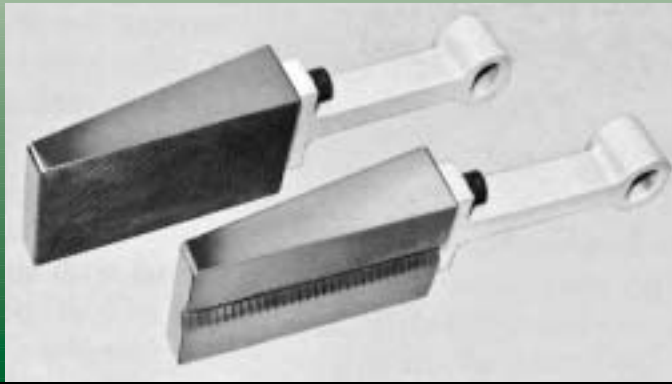
**Specifications:**

Thickness	3.175 mm/0.125 in
Weight Each	300 g/0.66 lb
Temperature Limits	-70 to 200 °C

Thickness	6.35 mm/0.25 in
Weight Each	300 g/0.66 lb
Temperature Limits	-70 to 200 °C

Thickness	9.525 mm/0.375 in
Weight Each	300 g/0.66 lb
Temperature Limits	-70 to 200 °C

Thickness	12.7 mm/0.5 in
Weight Each	300 g/0.66 lb
Temperature Limits	-70 to 200 °C



Grip Reference 67-N-22

**Description:** Flat wedge and vee wedge grips for testing flat and round specimens. Grips are made from high alloy steel and faces are machine cut, hardened, and ground to tolerances that ensure proper gripping. Grips are supported in accurately aligned crosshead pocket by interchangeable grip hangers (hangers are not normally furnished with replacement grips). Grips are available in many capacities and are typically rated to maximum capacity of test frame.

**Used On:** Super L hydraulic testing machines and Electomatic materials testing machines with open, or semi-open, designed crossheads

**Applications:** Metals and other high strength materials

**Specifications**

**(for 300 kN/60,000 lb version):**

Max. Capacity	150 kN/60,000 lbf
Max. Diameter (with vees)	28 mm/1.125 in
Min. Diameter (with vees)	11 mm/0.4375 in
Max. Thickness (with flats)	25 mm/1 in
Max. Width (with flats)	50 mm/2 in
Length Each	40 mm/1.6 in
Weight Each	150 g/0.33 lb
Temperature Limits	-70 to 200 °C

**Specifications**

**(for 600 kN/120,000 lb version):**

Max. Capacity	600 kN/120,000 lbf
Max. Diameter (with vees)	57 mm/2.25 in
Min. Diameter (with vees)	17 mm/0.6875 in
Max. Thickness (with flats)	44 mm/1.75 in
Max. Width (with flats)	63 mm/2.5 in
Length Each	40 mm/1.6 in
Weight Each	150 g/0.33 lb
Temperature Limits	-70 to 200 °C

**Specifications**

**(for 1000 kN/200,000 lb version):**

Max. Capacity	1000 kN/200,000 lbf
Max. Diameter (with vees)	60 mm/2.375 in
Min. Diameter (with vees)	13 mm/0.5 in
Max. Thickness (with flats)	54 mm/2.125 in
Max. Width (with flats)	50 mm/2 in
Length Each	40 mm/1.6 in
Weight Each	150 g/0.33 lb
Temperature Limits	-70 to 200 °C

**Specifications**

**(for 2000 kN/400,000 lb version):**

Max. Capacity	2000 kN/400,000 lbf
Max. Diameter (with vees)	66 mm/2.625 in
Min. Diameter (with vees)	17 mm/0.6875 in
Max. Thickness (with flats)	54 mm/2.125 in
Max. Width (with flats)	50 mm/2 in
Length Each	40 mm/1.6 in
Weight Each	150 g/0.33 lb
Temperature Limits	-70 to 200 °C

High and low temperature options available for use in temperature chambers.  
Specifications subject to change without notice.

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