



## Wedge Style Tensile Grips



Grip Reference 67-N-24



Grip Reference 67-N-83

**Description:** These open front lever operated grips have a positive, self-aligning gripping action and, allow rapid sample insertion and removal. Grips are supplied as standard with flat file inserts, but solid or insert type vee wedges can be provided for round specimens. At some capacities, Tinius Olsen offers a choice of wedge angle — one with 8-1/2° angle for maximum gripping pressure (recommended for hard, smooth faced materials) or one with 15° angle for wide range of sample types.

**Used On:** LoCaps, benchtop testers, Super L hydraulic testers machines and Electomatic materials testing machines with closed crossheads

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

### Specifications

**(for 30 kN/6,000 lb version):**

Wedge Angle	8-1/2°
Max. Diameter (with vees)	12.7 mm/0.5 in
Min. Diameter (with vees)	6.35 mm/0.25 in
Max. Thickness (with flats)	8 mm/0.3125 in
Max. Width (with flats)	25 mm/1 in
Length Each	40 mm/1.6 in
Weight Each	150 g/0.33 lb

### Specifications

**(for 60 kN/12,000 lb version):**

Wedge Angle	8-1/2°
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

### Specifications

**(for 60 kN/12,000 lb version):**

Wedge Angle	15°
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

### Specifications

**(for 150 kN/30,000 lb version):**

Wedge Angle	15°
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

**Description:** These grips use a unique balanced design that allow easy insertion of specimen into open front grips without bowing or bending sample. Two types of actuation are available; spring activated lever that allows faster insertion and removal of sample, or a rotary type that moves wedges horizontally when handles are turned that maintains positive gripping without any vertical motion, eliminating any sample buckling.

**Used On:** LoCaps, benchtop testers, Super L hydraulic testers machines and Electomatic materials testing machines with closed crossheads

### Specifications

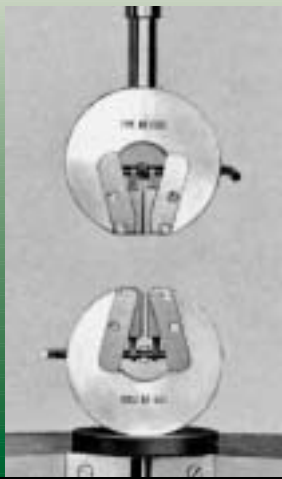
**(for 60 kN/12,000 lb version):**

Wedge Angle	15°
Max. Thickness (with flats)	15 mm/0.625 in
Max. Width (with flats)	44 mm/1.75 in
Max. Diameter (with vees)	19 mm/0.75 in
Min. Diameter (with vees)	8 mm/0.3125 in
Length Each	40 mm/1.6 in
Weight Each	150 g/0.33 lb

### Specifications

**(for 150 kN/30,000 lb version):**

Wedge Angle	15°
Max. Thickness (with flats)	25 mm/1 in
Max. Width (with flats)	50 mm/2 in
Max. Diameter (with vees)	25 mm/1 in
Min. Diameter (with vees)	6.35 mm/0.25 in
Length Each	40 mm/1.6 in
Weight Each	150 g/0.33 lb



Grip Reference 67-N-25

**Description:** These grips use a spring tension closure to ensure uniform gripping action; this is particularly important for relatively fragile specimens. The type KR grips are normally supplied with flat wedges but wedges that can accept round samples are available on special order.

**Used On:** LoCaps, benchtop testers, Super L hydraulic testers, and Electomatic materials testing machines with closed crossheads

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

#### Specifications

**(for 500 N/100 lb version):**

Wedge Angle	15°
Max. Thickness (with flats)	6.35 mm/0.25 in
Max. Width (with flats)	25 mm/1 in
Length Each	40 mm/1.6 in
Weight Each	150 g/0.33 lb

#### Specifications

**(for 11 kN/2,500 lb version):**

Wedge Angle	15°
Max. Thickness (with flats)	9.5 mm/0.375 in
Max. Width (with flats)	31 mm/1.25 in
Length Each	40 mm/1.6 in
Weight Each	150 g/0.33 lb

#### Specifications

**(for 25 kN/5,000 lb version):**

Wedge Angle	15°
Max. Thickness (with flats)	9.5 mm/0.375 in
Max. Width (with flats)	31 mm/1.25 in
Length Each	40 mm/1.6 in
Weight Each	150 g/0.33 lb

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

Specifications subject to change without notice.

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