

Self Tightening Tensile Scissor Grips

Ratings: 5, 20 and 50 kN (11,250 lb)

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|-------------------------|---|
| Model | G11-5 |
| Force Capacity | 5 kN (1125 lb) |
| Opening | 0 to 19 mm (0.8 in) |
| Sample Width | 50 mm (2 in) |
| Applications | Soft and elastic samples such as textiles, rubber, bones, and plastics. |
| Design Attributes | The initial grip clamp load is provided by spring tension. The ratio of clamp force to tensile pull load changes according to the opening width - the larger the opening width, the stronger the grips tightens the specimen. The jaws tighten themselves during force application. |
| Body | Stainless Steel |
| Temperature range (STD) | -70° to +130°C (-150° to 266°F) |

Jaws for G11-5

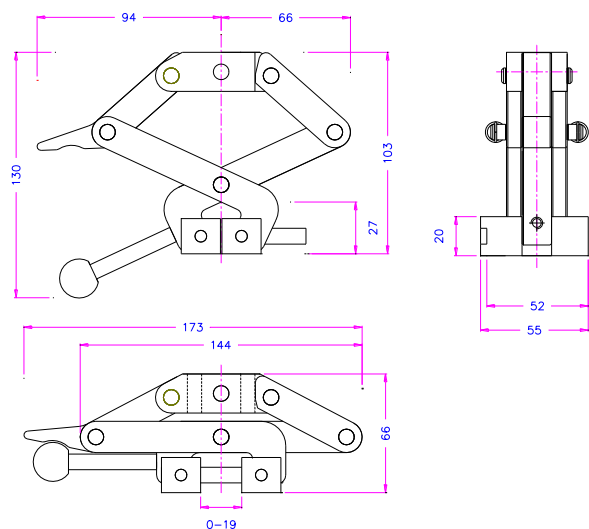
| Item number | Surface | Clamp surface (H x W) |
|-------------|-------------------------|-----------------------|
| J11-5-B | Blank (smooth) jaws | 20x50 mm |
| J11-5-BP | Pyramid (serrated) jaws | 20x50 mm |

Other surfaces on request

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|--|--|
|  |  |
| Smooth Blank jaws (B) - Suitable for customer provided treatments - Steel blanks without coating | BP - multi-purpose application range - Pyramid (serrated) jaws 1.2 x 45° - Hardened steel 58HRC, nickel plated |



G11-5 with J11-5-BP jaws



G11-20 Scissor grips

Includes snap in locking function where the grip locks in the opened position.
Note - (round jaws not available)

| Model | G11-20 |
|-------------------------|---|
| Force Capacity | 20 kN (4500 lb) |
| Opening | Flat jaws 0 – 25 mm (1 in) Round jaws 0 – 20 mm (0.8 in) V-jaws for round specimen: 4 – 16 mm Ø (0.63 in) |
| Sample Width | 50 mm (2 in) & 100 mm (4 in) |
| Design Attributes | The initial grip clamp load is provided by spring tension. The ratio of clamp force to tensile pull load changes according to the opening width - the larger the opening width, the stronger the grips tightens the specimen. The jaws tighten themselves during force application. |
| Body | Stainless Steel |
| Temperature range (STD) | -70° to +130°C (-150° to 266°F) |



G11-20 with J11-20-BW100 jaws



Jaws for G11-20

| Item number | Surface | Clamping surface (H x W) |
|----------------|-------------------------------|-----------------------------|
| J11-20-B | Blank (smooth) jaws | 25x50 mm |
| J11-20-BP | Pyramid (serrated) flat jaws | 25x50 mm |
| J11-20-BPR* | Pyramid (serrated) round jaws | Ø 25 mm x 52 mm |
| J11-20-BV4 | V-jaws for round specimen | Samples 4-15 mm Ø |
| J11-20-BW | Wave jaws | 25x50 mm |
| J11-20-B100** | Blank (smooth) jaws | 25x 100 mm |
| J11-20-BP100** | Pyramid (serrated) flat jaws | 25x100 mm |
| J11-20-BW100** | Wave jaws | 25x100 mm |

Other surfaces on request

* Round jaws apply to dumbbell-shaped specimen (dogbone shaped samples).

** 100 mm wide jaws reduce force capacity to 10 kN (2250 lb)

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| B - Blank (smooth) jaws - Suitable for customer treatments - Steel blanks without coating | BP - Multiapplication range - Pyramid (serrated) jaws 1.2x45° - Hardened steel 58HRC, nickel plated | BV-jaws- for round samples - Tooth pitch 1.2 mm - Hardened steel 58 HRC, nickel plated | BW Wave jaws - For textile specimen - Wave 5mm - Hardened steel 58 HRC, nickel plated |

G11-50 Scissor grips

Includes snap in locking function where the grip locks in the opened position.
Note - (round jaws not available)

| Model | G11-50 |
|-------------------------|---|
| Force Capacity | 50 kN (11250 lb) |
| Opening | Flat jaws 0 – 48 mm (2 in) V-jaws for round specimen: 10 – 48 mm Ø (2 in) |
| Sample Width | 100 mm (4 in) |
| Design Attributes | The initial grip clamp load is provided by spring tension. The ratio of clamp force to tensile pull load changes according to the opening width - the larger the opening width, the stronger the grips tightens the specimen. The jaws tighten themselves during force application. |
| Body | Steel with oxide coating |
| Temperature range (STD) | 0° to +130°C (32° to 266°F) |



Jaws for TH11-50

| Item number | Surface | Clamping surface H x B |
|-------------|-------------------------|---------------------------|
| J11-50-BP | Pyramid (serrated) jaws | 50x100 mm |
| J11-50-BV10 | V-jaws | Samples 10-48 mm Ø |

Other surfaces on request

