



Quick·Point® Zero-Point Clamping System

As an interface between the machine table and clamping device, Quick·Point® is offered in a particularly wide range of variations. Round, rectangular or square in shape, for single or multiple clamping, two different stud sizes and spacings (52 mm and 96 mm), Quick·Point® provides a solution for every application. It can be used universally in vertical and horizontal machining centres, on 3- and 5-axis tables and 4th axis rotary or trunnion systems.

The attachment of the zero-point plate to the machine table or faceplate is done easily through prefabricated hole patterns for common t-slot distances, bore patterns and bolt circles or individual, customized mounting options.

→ Reduction of Setup Time

High-precision exchange of clamping devices, fixtures and workpieces within seconds

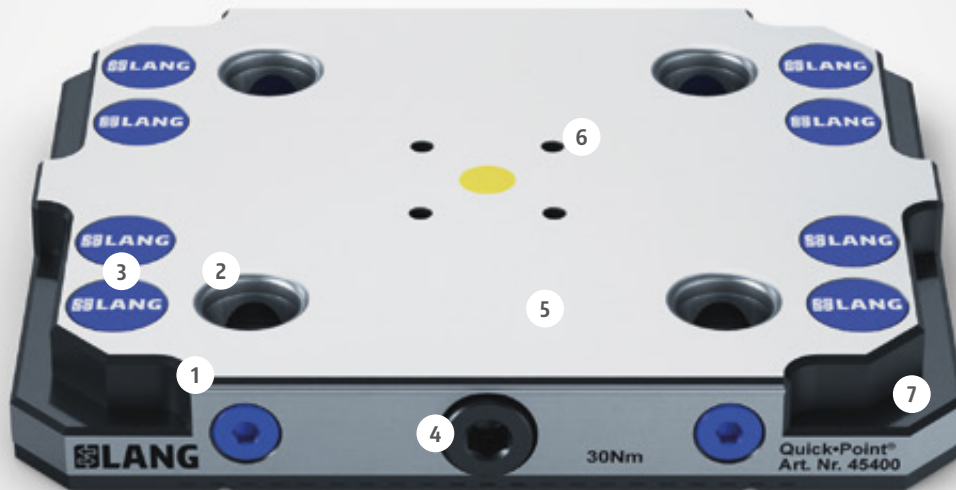
→ Modularity

Enormous variety of combinable zero-point plates, expandable at any time

→ Simplicity

Mechanical clamping via a tightening screw or quick release

Quick-Point® Technology



- 1 With only 27 mm one of the lowest zero-point systems on the market
- 2 Highly precise with < 0.005 mm repeat accuracy
- 3 Cover discs for mounting bores
- 4 Robust mechanical clamping with one actuation screw or Quick-Lock fastener
- 5 Rigid, compact base plate made of case-hardened and ground steel
- 6 4 × M5 threads used as positioning support for vices (added on some plates and options on others)
- 7 Clamping edge as one of a few options to mount the plate to the machine table



- 8 Ø12F5 fitting for concentric alignment, centring studs now also available (page 57)
- 9 Coolant drainage
- 10 20H7 keyways for axial alignment



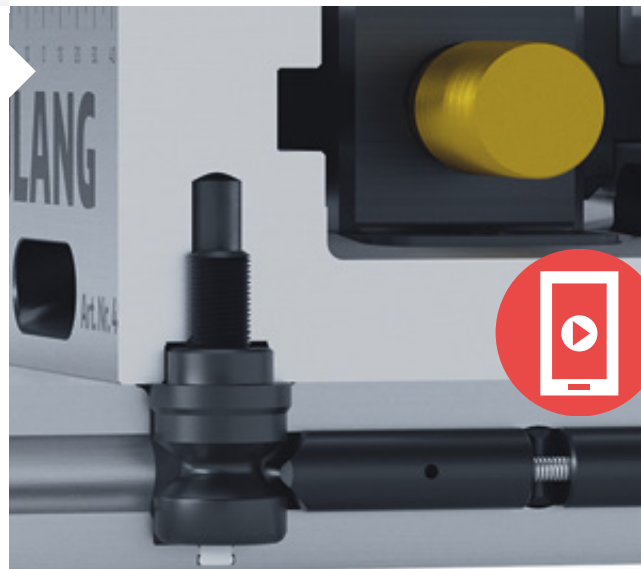
Robust, wear-free mechanism for highest longevity

By design Quick-Point® is a purely mechanical zero-point system. A patented rod system inside the plate guarantees a repeatability of less than 0.005 mm. Quick-Point® plates are actuated by one screw or the Quick-Lock device to ensure simple and easy operation.

Due to a very small number of wear-free parts the system is reliable and virtually maintenance free.

Holding force of up to 6.000 kg

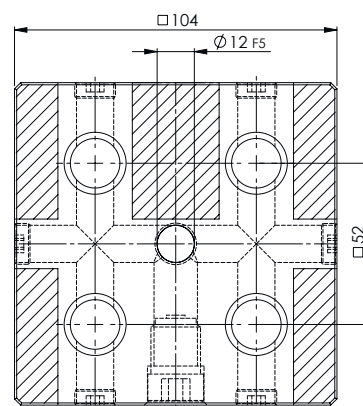
The mechanical clamping concept is very simple. The picture shows a cross-section of the Quick-Point® bore where the clamping studs are pulled down by lateral clamping rods. With an actuation torque of only 30 Nm (60 Nm for 4-fold grid plates 52 & 96) a holding force of up to 1.500 kg per clamping stud is achieved. As an example, this results in a holding force of 6.000 kg when clamping a Makro-Grip® 5-Axis Vice 125. If more clamping studs are used (e.g. using your own or bigger fixtures), the holding force is increased accordingly.



Flexibility has no limits!

The flexible Quick-Point® zero-point clamping system qualifies for a vast number of applications in vertical and horizontal machining centres and covers almost all clamping needs on 3-/5-axis tables or 4th axis rotary and trunnion systems. The modularity of the system allows for the expansion of existing Quick-Point® fixtures at any time and guarantees fast changeovers with the highest precision. Accessories such as Quick-Lock and/or risers can upgrade the usability and functionality enormously.

Quick-Point® Single Plates



QUICK-POINT® 52, GRID PLATE 104 × 104 × 27 MM, WITHOUT MOUNTING BORES



30 Nm



Ø 16 mm



77



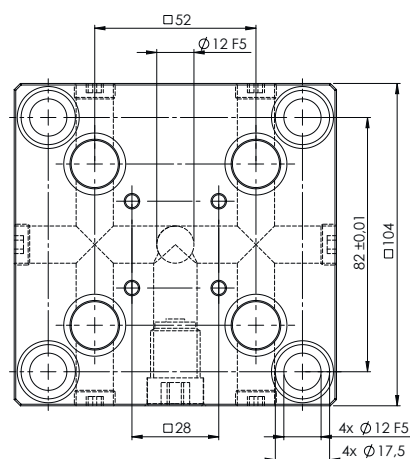
✓



✓

| ITEM NO. | DIMENSIONS | WEIGHT | PRICE |
|----------|--|--------|-------|
| 45600 | 104 × 104 × 27 mm | 2.0 kg | |
| 45004 | Set mounting bores according to customer's request | | |
| 45002 | Set keyways according to customer's request | | |

Suitable Quick-Lock: Item No. 44552 (page 54)



QUICK-POINT® 52, GRID PLATE 104 × 104 × 27 MM, WITH MOUNTING BORES FOR QUICK-TOWER



30 Nm



Ø 16 mm



77

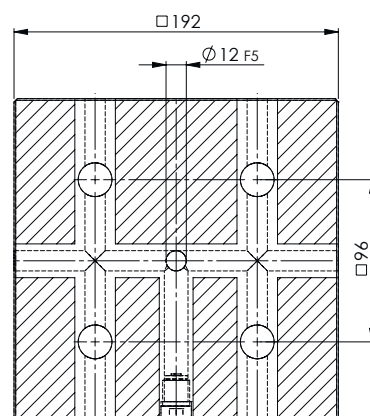


✓

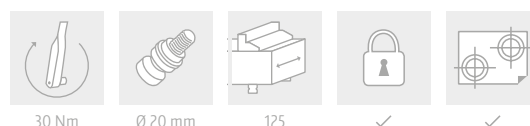
| ITEM NO. | DIMENSIONS | MOUNTING BORES | WEIGHT | PRICE |
|----------|-------------------|----------------|--------|-------|
| 75600 | 104 × 104 × 27 mm | 82 × 82 mm | 1.8 kg | |

This Grid Plate can also be found on page 42 & 48.

Suitable Quick-Lock: Item No. 44552 (page 54)

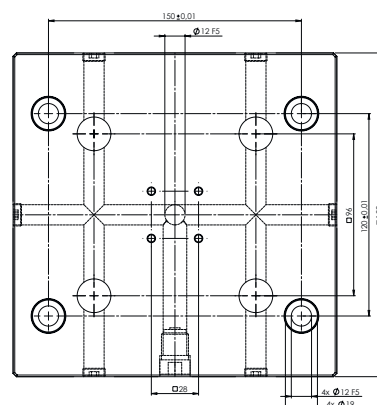


QUICK-POINT® 96, GRID PLATE 192 × 192 × 27 MM, WITHOUT MOUNTING BORES

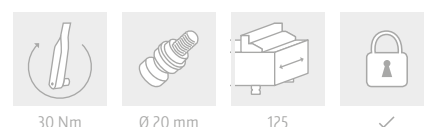


| ITEM NO. | DIMENSIONS | WEIGHT | PRICE |
|----------|--|--------|-------|
| 45710 | 192 × 192 × 27 mm | 7.2 kg | |
| 45004 | Set mounting bores according to customer's request | | |
| 45002 | Set keyways according to customer's request | | |

Suitable Quick-Lock: Item No. 44596 (page 54)



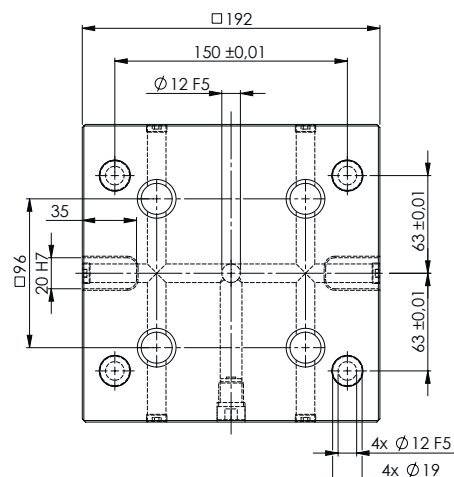
QUICK-POINT® 96, GRID PLATE 192 × 192 × 27 MM, WITH MOUNTING BORES FOR QUICK-TOWER



| ITEM NO. | DIMENSIONS | MOUNTING BORES | WEIGHT | PRICE |
|----------|-------------------|----------------|--------|-------|
| 75710 | 192 × 192 × 27 mm | 150 × 120 mm | 7.0 kg | |

This Grid Plate can also be found on page 49.
Suitable Quick-Lock: Item No. 44596 (page 54)

Quick-Point® Single Plates

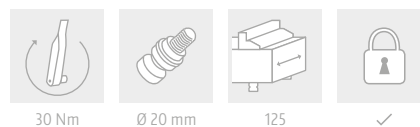


QUICK-POINT® 96, GRID PLATE

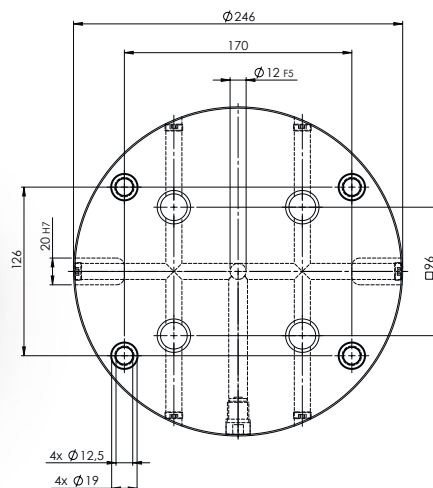
192 × 192 × 27 MM, WITH MOUNTING BORES FOR 63 MM T-SLOT DISTANCE

| ITEM NO. | DIMENSIONS | MOUNTING BORES | WEIGHT | PRICE |
|----------|-------------------|---------------------------|--------|-------|
| 45763 | 192 × 192 × 27 mm | for 63 mm t-slot distance | 7.0 kg | |

Suitable Quick-Lock: Item No. 44596 (page 54)



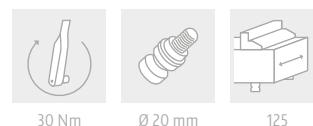
NEW

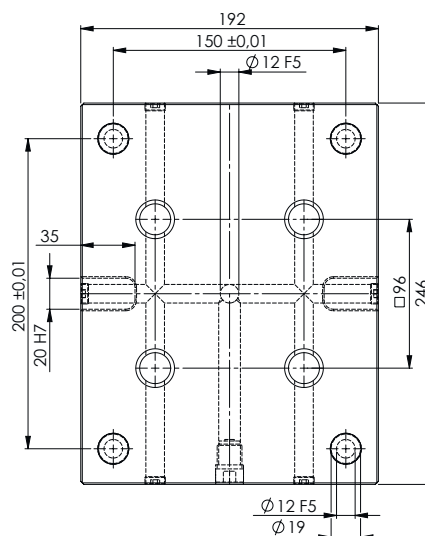


QUICK-POINT® 96, ROUND PLATE

Ø 246 × 27 MM, WITH MOUNTING BORES FOR 63 MM T-SLOT DISTANCE

| ITEM NO. | DIMENSIONS | MOUNTING BORES | WEIGHT | PRICE |
|----------|---------------|---------------------------|--------|-------|
| 45863 | Ø 246 × 27 mm | for 63 mm t-slot distance | 9.3 kg | |

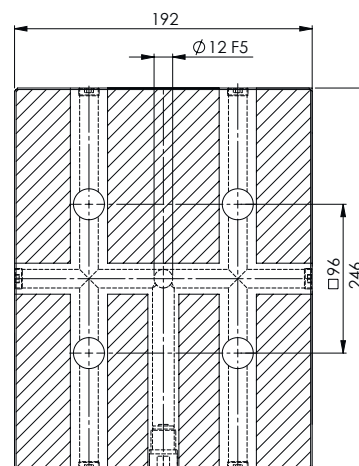
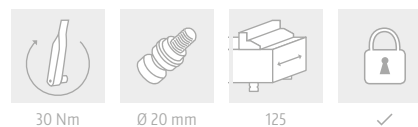




QUICK-POINT® 96, EXTENDED GRID PLATE 246 × 192 × 27 MM, WITH MOUNTING BORES FOR 100 MM T-SLOT DISTANCE

| ITEM NO. | DIMENSIONS | MOUNTING BORES | WEIGHT | PRICE |
|----------|-------------------|----------------------------|--------|-------|
| 45715 | 246 × 192 × 27 mm | for 100 mm t-slot distance | 9.2 kg | |

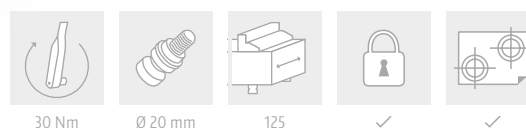
Suitable Quick-Lock: Item No. 44596 (page 54)



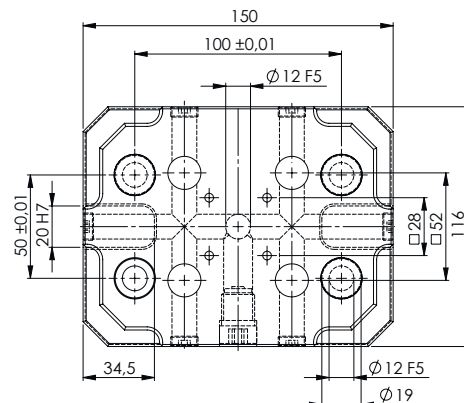
QUICK-POINT® 96, EXTENDED GRID PLATE 246 × 192 × 27 MM, WITHOUT MOUNTING BORES

| ITEM NO. | DIMENSIONS | WEIGHT | PRICE |
|----------|--|--------|-------|
| 45716 | 246 × 192 × 27 mm | 9.4 kg | |
| 45004 | Set mounting bores according to customer's request | | |
| 45002 | Set keyways according to customer's request | | |

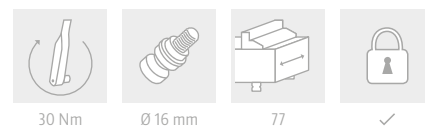
Suitable Quick-Lock: Item No. 44596 (page 54)



Quick-Point® Single Plates

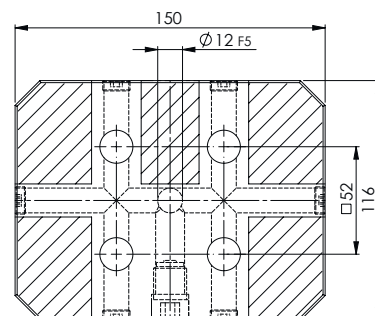


QUICK-POINT® 52, RECTANGULAR PLATE 150 × 116 × 27 MM, WITH CLAMPING EDGE & MOUNTING BORES



| ITEM NO. | DIMENSIONS | MOUNTING BORES | WEIGHT | PRICE |
|----------|-------------------|----------------|--------|-------|
| 45150 | 150 × 116 × 27 mm | 100 × 50 mm | 2.9 kg | |

Suitable Quick-Lock: Item No. 44552 (page 54)

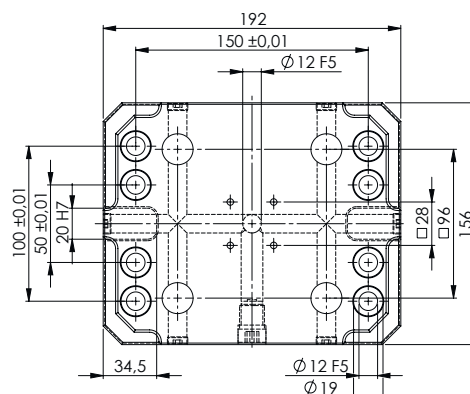


QUICK-POINT® 52, RECTANGULAR PLATE 150 × 116 × 27 MM, WITHOUT CLAMPING EDGE & MOUNTING BORES



| ITEM NO. | DIMENSIONS | WEIGHT | PRICE |
|----------|--|--------|-------|
| 45151 | 150 × 116 × 27 mm | 3.4 kg | |
| 45004 | Set mounting bores according to customer's request | | |
| 45002 | Set keyways according to customer's request | | |

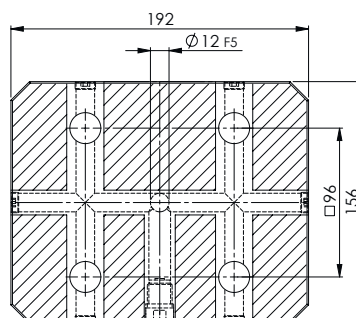
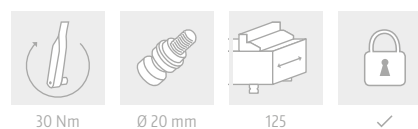
Suitable Quick-Lock: Item No. 44552 (page 54)



QUICK-POINT® 96, RECTANGULAR PLATE 192 × 156 × 27 MM, WITH CLAMPING EDGE & MOUNTING BORES

| ITEM NO. | DIMENSIONS | MOUNTING BORES | WEIGHT | PRICE |
|----------|-------------------|-------------------|--------|-------|
| 45400 | 192 × 156 × 27 mm | 150 × 100 / 50 mm | 5.5 kg | |

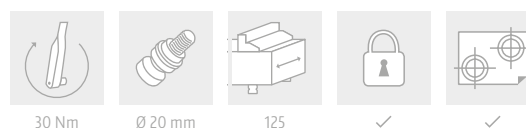
Suitable Quick-Lock: Item No. 44596 (page 54)



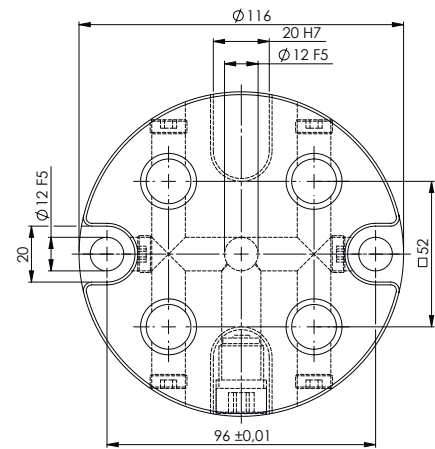
QUICK-POINT® 96, RECTANGULAR PLATE 192 × 156 × 27 MM, WITHOUT CLAMPING EDGE & MOUNTING BORES

| ITEM NO. | DIMENSIONS | WEIGHT | PRICE |
|----------|--|--------|-------|
| 45401 | 192 × 156 × 27 mm | 6.0 kg | |
| 45004 | Set mounting bores according to customer's request | | |
| 45002 | Set keyways according to customer's request | | |

Suitable Quick-Lock: Item No. 44596 (page 54)



Quick-Point® Single Plates



QUICK-POINT® 52, ROUND PLATE Ø 116 × 27 MM



30 Nm

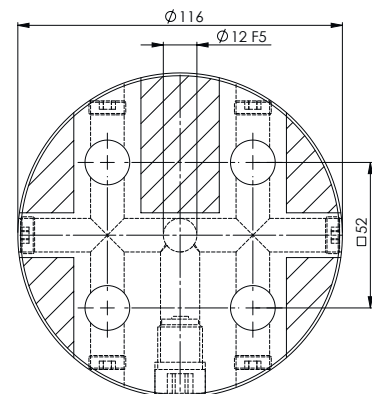


Ø 16 mm



77

| ITEM NO. | DIMENSIONS | MOUNTING BORES | WEIGHT | PRICE |
|----------|---------------|----------------|--------|-------|
| 45750 | Ø 116 × 27 mm | 96 mm distance | 1.9 kg | |



QUICK-POINT® 52, ROUND PLATE Ø 116 × 27 MM, WITHOUT MOUNTING BORES



30 Nm



Ø 16 mm

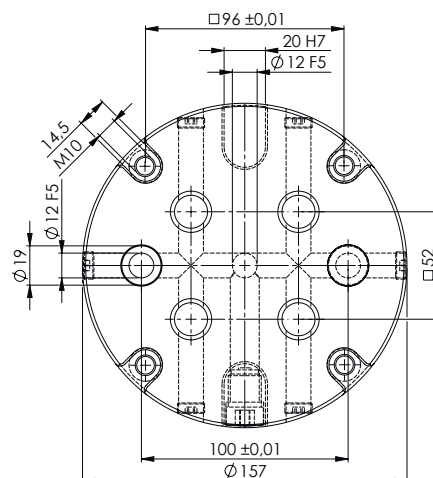


77



✓

| ITEM NO. | DIMENSIONS | WEIGHT | PRICE |
|----------|--|--------|-------|
| 45751 | Ø 116 × 27 mm | 2.1 kg | |
| 45004 | Set mounting bores according to customer's request | | |
| 45002 | Set keyways according to customer's request | | |



QUICK-POINT® 52, ROUND PLATE Ø 157 × 27 MM

| ITEM NO. | DIMENSIONS | MOUNTING BORES | WEIGHT | PRICE |
|----------|---------------|-----------------|--------|-------|
| 45900 | Ø 157 × 27 mm | 100 mm distance | 3.5 kg | |



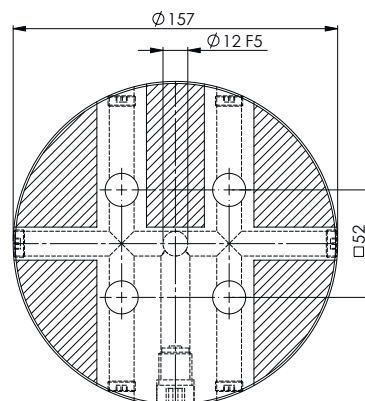
30 Nm



Ø 16 mm



77



QUICK-POINT® 52, ROUND PLATE Ø 157 × 27 MM, WITHOUT MOUNTING BORES

| ITEM NO. | DIMENSIONS | WEIGHT | PRICE |
|----------|--|--------|-------|
| 45901 | Ø 157 × 27 mm | 3.8 kg | |
| 45004 | Set mounting bores according to customer's request | | |
| 45002 | Set keyways according to customer's request | | |



30 Nm



Ø 16 mm

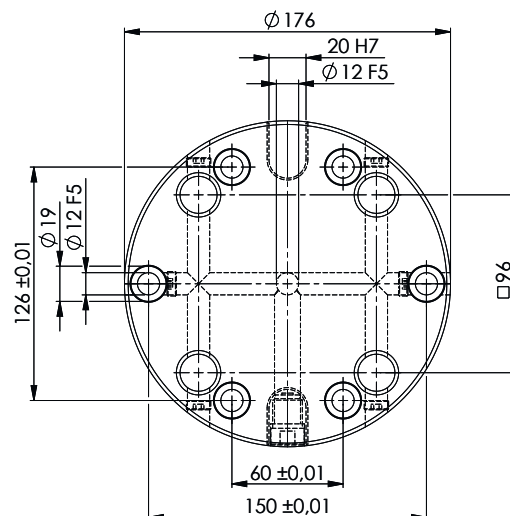


77



✓

Quick-Point® Single Plates



QUICK-POINT® 96, ROUND PLATE Ø 176 × 27 MM

| ITEM NO. | DIMENSIONS | MOUNTING BORES | WEIGHT | PRICE |
|----------|---------------|---|--------|-------|
| 45800 | Ø 176 × 27 mm | for 63 mm t-slot distance & 150 mm distance | 4.7 kg | |



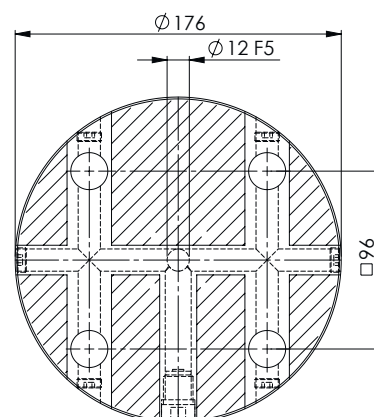
30 Nm



Ø 20 mm



125



QUICK-POINT® 96, ROUND PLATE Ø 176 × 27 MM, WITHOUT MOUNTING BORES

| ITEM NO. | DIMENSIONS | WEIGHT | PRICE |
|----------|--|--------|-------|
| 45801 | Ø 176 × 27 mm | 4.8 kg | |
| 45004 | Set mounting bores according to customer's request | | |
| 45002 | Set keyways according to customer's request | | |



30 Nm



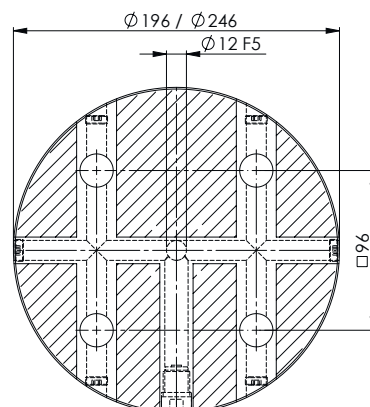
Ø 20 mm



125



✓



30 Nm



Ø 20 mm



125

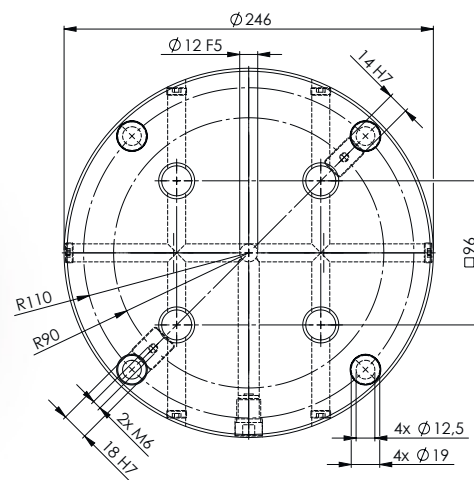


✓

QUICK-POINT® 96, ROUND PLATES

Ø 196 / 246 x 27 MM, WITHOUT MOUNTING BORES

| ITEM NO. | DIMENSIONS | WEIGHT | PRICE |
|----------|--|--------|-------|
| 45820 | Ø 196 x 27 mm | 6.0 kg | |
| 45840 | Ø 246 x 27 mm | 9.5 kg | |
| 45004 | Set mounting bores according to customer's request | | |
| 45002 | Set keyways according to customer's request | | |



30 Nm



Ø 20 mm



125

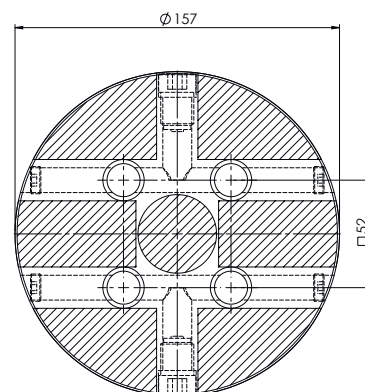
QUICK-POINT® 96, ROUND PLATE

Ø 246 x 27 MM, WITH MOUNTING BORES FOR TABLES WITH 90° GROOVES

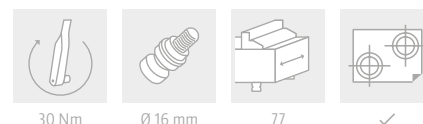
| ITEM NO. | DIMENSIONS | MOUNTING BORES | WEIGHT | PRICE |
|----------|---------------|-------------------------|--------|-------|
| 45890 | Ø 246 x 27 mm | 4 x 90° / Radius 110 mm | 9.3 kg | |

Suitable slot keys: Item No. 452214 / 442218 (page 57)

Quick-Point® Single Plates for individual centre bore

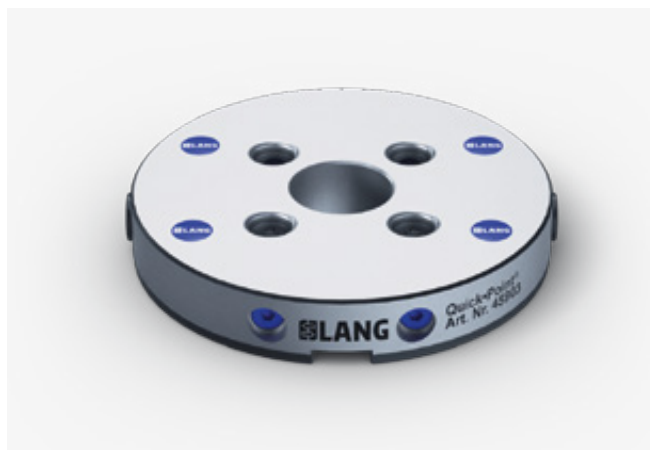


QUICK-POINT® 52, ROUND PLATE Ø 157 × 27 MM, FOR INDIVIDUAL CENTRE BORE



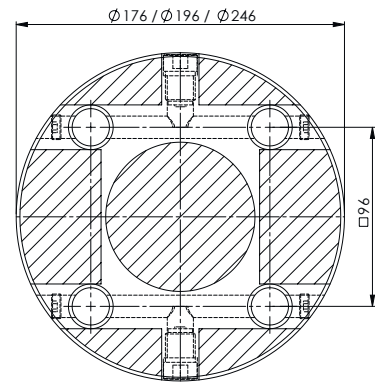
| ITEM NO. | DIMENSIONS | MAX. Ø CENTRE BORE | WEIGHT | PRICE |
|----------|--|--------------------|--------|-------|
| 45903 | Ø 157 × 27 mm | 38 mm | 3.7 kg | |
| 45004 | Set mounting bores according to customer's request | | | |
| 45002 | Set keyways according to customer's request | | | |
| 45009 | Set centre bore according to customer's request | | | |

Possible Modification of Quick-Point® Plate 45903



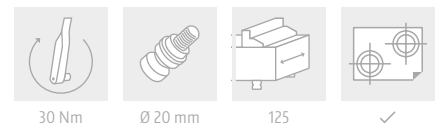
- 1 × Centre bore Ø 38 mm
- 1 × Keyway 20H7
- 4 × Mounting bores for M8 screws, incl. step for Ø 15 mm cover discs, for machine tables with 6 × 60° grooves

A centre bore with individually selectable diameter and tolerance provides the option for access to rotary joints.



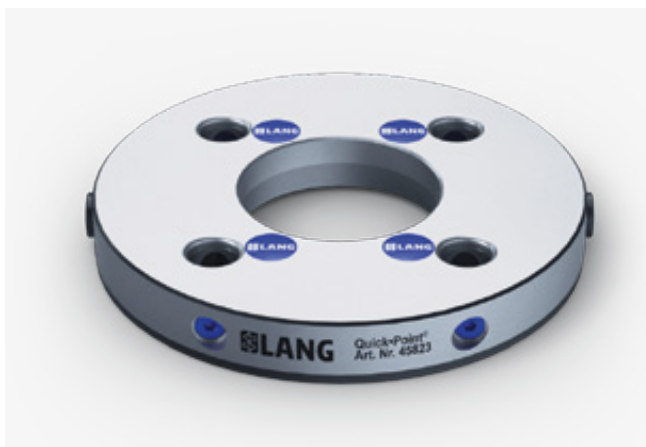
QUICK-POINT® 96, ROUND PLATES

Ø 176 / 196 / 246 × 27 MM, FOR INDIVIDUAL CENTRE BORE



| ITEM NO. | DIMENSIONS | MAX. Ø CENTRE BORE | WEIGHT | PRICE |
|----------|--|--------------------|--------|-------|
| 45803 | Ø 176 × 27 mm | 80 mm | 4.8 kg | |
| 45823 | Ø 196 × 27 mm | 80 mm | 6.0 kg | |
| 45843 | Ø 246 × 27 mm | 80 mm | 9.5 kg | |
| 45004 | Set mounting bores according to customer's request | | | |
| 45002 | Set keyways according to customer's request | | | |
| 45009 | Set centre bore according to customer's request | | | |

Possible Modification of Quick-Point® Plate 45823



- 1 × Centre bore Ø 80 mm
- 1 × 130H6 tapered fitting
- 4 × Mounting bores for M12 screws, incl. step for Ø 20 mm cover discs, for machine tables with 6 × 60° grooves