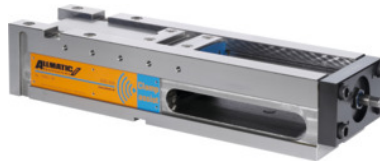




TITAN 2 NC high-pressure vice with "Clamp assist" clamping force measurement function, Type: 160M



Order data

Order number	361304 160M
GTIN	4250364402880
Item class	34A

Description

Version:

Feature:

Clamps for the modular clamping system.

Increased force travel for secure clamping of blanks in combination with a pull-down function.

Jaws secured with M12 socket head screws.

8 mm lost clearance when pulled down, 3 mm for Gripp.

Clamping can be achieved close to the neutral line.

Jaws are compatible with earlier models.

Outlet for chips and coolant. Precise location slots.

Tapped holes for component backstop and for extension.

Maximum clamping force 40 kN.

Slides induction hardened. Side, top and bottom faces ground.

Feature:

Can be installed vertically.

Advantage:

Precise and powerful multi-function high-pressure vice.

- **Reliable clamping of blank parts, thanks to the extra long stroke of the high-pressure spindle.**
- **Precision machined finished parts, base body machined all round.**

Function:

Clamping exclusively with adjustable torque wrench (maximum 30 Nm).

Using special high pressure spindle and mechanical power intensifier.

High-pressure spindle provided with force measurement sensing, fully encapsulated. Transmission of the clamping force measurements by radio (2.4 GHz) to the measurement system No. 361306. Unaffected by vibration, protected against coolant fluids.

Application:

For conventional clamping, grip clamping and pull-down clamping. Clamping of **flame-cut and saw-cut blanks** by **hardened replaceable grip elements piercing** into the workpiece. Suitable for all materials up to tensile strength of 1000 N/mm². Can be used horizontally or laterally.

For measuring and checking the **actual** clamping forces.

Supplied with:

3 hexagon L-wrenches, bi-hex socket 14 AF, 4 stepless adjustable clamps.

Optional extras:

For jaws see No. 361331 – 361970.

Torque wrench No. 656050 size 60.

Note:

For the "Clamp assist" electronic reception unit see No. 361306. Clamp capacity extension available using base body No. 360420 size 160.

Weight: 68 kg

Overall length L: 587 mm

Base body length a: 530 mm

Base body width B: 164 mm

Base body height c: 115 mm

f: 21 mm

Technical description

f	21 mm
g	30 mm
m	234 mm
Cross-slot	20 mm
Weight	68 kg
Base body height c	115 mm
Base body length a	530 mm
Overall length L	587 mm
r	164 mm
Base body width B	164 mm
Colour code for suitable accessories	Titan 2
Longitudinal slot	20 mm

Type	160M
Series	Titan 2
Type of product	Machine vice

Accessories

Pull-down set case for type 1	361346 1
Stepped jaw for gripp inserts fixed for type 160	361348 160
Stepped jaw for gripp inserts movable for type 160	361347 160
Gripp insert with 2 spikes, height 3.7 – 5.2 mm Type	361238
Component backstop	360555
“Clamp assist” clamping force measurement system Type CA	361306 CA
Gripp insert carbide height 7.1 - 8.6 mm Type	361242
5-face jaws for type MOBIL	361361 MOBIL
Gripp insert height 5.5 mm round Type	361250
Pull-down set case for type 2	361346 2
Gripp insert with 2 spikes, height 5.2 – 6.7 mm Type	361240
Clamping insert with coating, height 5.2 – 6.7 mm smooth Type	361245
Case set for 5-face jaw	361365
Carrier jaw movable pivoting for type 160	361337 160
Carrier jaw fixed for type 160	361332 160
5-face jaws for type FIX	361361 FIX
Gripp insert with 4 spikes height 3.7 - 5.2 mm Type	361241