

**Garant**
**NC high-pressure vice HiPo Clamp with power intensifier, Type: 160**

**Order data**

Order number	360465 160
GTIN	4045197777911
Item class	31F

**Description**
**Version:**

- Pairing accuracy 0.02 mm.
- Alignment dimensions compatible with other manufacturers.
- Universal design accepts wide variety of jaw systems.
- Slides induction hardened.
- Fully enclosed spindle (minimises cleaning requirement).
- Tapped holes on each side for component backstop.
- Including holes 18M16 for zero point clamping system pitch 200 mm.
- All faces apart from the end face ground: Can be used horizontally or laterally.
- Angled gear drive can be attached (no need to dismantle for the desired force setting.).
- Fully enclosed and nitrided spindle.
- Tapped hole for workpiece backstop.

**Standard:**

- Pairing accuracy 0.02 mm.
- Slides induction hardened.
- Including holes 18M16 for zero point clamping system pitch 200 mm.
- All faces apart from the end face ground: Can be used horizontally or laterally.
- Fully enclosed and nitrided spindle.

**Supplied with:**

Including stepped jaws No. 360468 and 360469, 4 stepless adjustable clamps and hand crank.

**Optional extras:**

- Accepts popular makes of jaws size 125, e.g. No. 361400 – 361660, No. 362390 – 362600, No. 361295, No. 361296.
- For tenon and Tee-nut set see No. 360530.
- For workpiece backstop, hand crank see No. 360555; 360800.

- For Click system stepped jaws see No. 361952; 361962; 361972.
- Clamping stud No. 360025.
- Angle drive No. 360471.
- Jaws quick-change system No. 362635 size 2.

**Note:**

- For a suitable 125 base body extension see No. 360467\_125 in the spare parts list.
- Size 125X is supplied with jaws 361295 125 and 361296 125. Can be used with Xpent front jaws.
- The suitable base body extension 160 is No. 360420 160

**Note re advertising text:**

Size 125X is supplied with jaws 361295 125 and 361296 125. Can be used with XPent front jaws.

Version: Zero point clamping system

Clamping force up to maximum: 60 kN

Weight: 65 kg

Overall length L: 645 mm

Base body length a: 560 mm

Base body width B: 160 mm

Clamping range b: 17 - 263 mm

## Technical description

Clamping force up to maximum	60 kN
Colour code for suitable accessories	HiPo
Overall length L	645 mm
o -0.02	40 mm
r ±0.015	164 mm
Base body length a	560 mm
Weight	65 kg
Slot pitch p H7	20 mm
Jaw height h	49.8 mm
Clamping range b	17 - 263 mm
m ±0.02	234 mm
Cross-slot n H7	20 mm
Base body width B	160 mm
s - 0.02	70 mm
Longitudinal slot l H7	20 mm

t	164 mm
Base body height c -0.02	115 mm
Clamping range d	187 - 433 mm
Version	Zero point clamping system
Series	HiPoClamp
Type of product	Machine vice

## Accessories

Pair of clamping jaws with stepped upper edge for jaw width 160 mm	362560 160
ZeroClamp clamping stud with internal thread Type 16M10	360025 16M10
Stepped jaw movable for type 160	361400 160
Alignment and fixing set Table T-slot size 16 mm	360530 16
ZeroClamp clamping stud with internal thread Type 16M8	360025 16M8
Stepped jaw movable for type 160	360468 160
Adaptor jaw fixed for type 160	361620 160
Pair of clamping jaws, smooth for jaw width 160 mm	362420 160
ZeroClamp clamping stud with internal thread Type 14M12/90	360025 14M12/90
Pair of pull-down roller jaws for jaw width 160 mm	362460 160
Adaptor jaw movable for type 160	361600 160
Alignment and fixing set Table T-slot size 22 mm	360530 22
ZeroClamp clamping stud with internal thread Type 25M10	360025 25M10
Pair of Vee jaws for jaw width 160 mm	362500 160
ZeroClamp clamping stud with internal thread Type 18M12	360025 18M12
Pair of spare spring leaves for jaw width 160 mm	362620 160

ZeroClamp clamping stud with internal thread Type 12M10/90	360025 12M10/90
Stepped jaw fixed for type 160	361420 160
Pair of clamping jaws with serrated faces for jaw width 160 mm	362400 160
ZeroClamp clamping stud with internal thread Type 12M10	360025 12M10
Component backstop	360555
Alignment and fixing set Table T-slot size 12 mm	360530 12
Workpiece back-stop 3-dimensional Type 300	360430 300
Base jaw movable for type 160	361500 160
Adaptor jaw movable for type 125	361600 125
Pair of base jaws soft for jaw width 160 mm	362520 160
Alignment and fixing set Table T-slot size 18 mm	360530 18
Jaw with positioning pins movable for jaw width 160 mm	362626 160
Jaw with positioning pins fixed for jaw width 160 mm	362625 160
Pair of spring leaf jaws for jaw width 160 mm	362600 160
Pivot jaw movable for type 160	361660 160
Alignment and fixing set Table T-slot size 14 mm	360530 14
Workpiece back-stop 3-dimensional Type 150	360430 150
ZeroClamp clamping stud with internal thread Type 18M16	360025 18M16
Alignment and fixing set Table T-slot size 20 mm	360530 20
Parallel insert for stepped face for type 160	361972 160
Parallel insert, click system for type 160	361962 160
Parallel insert, click system for type 160	361952 160
Angled gear drive for type 160	360471 160