

Garant
ZeroClamp clamping pot self-locking, Type: Z120L

Order data

Order number	360045 Z120L
GTIN	4067263801511
Item class	310

Description
Version:

- **6 bar compressed air connection required to unlock.**
- **Radial compensation 0.1 mm.**
- **Maximum pin retraction 1 mm.**
- **Repetition accuracy < 2.5 µm.**
- **All components made of stainless or corrosion-resistant steel.**

The zero point clamping of the GARANT ZeroClamp system is an important function for modern production systems, especially in automated production. Thanks to a special contact interface, it ensures precise and reliable zero point repetition accuracy. The pneumatic clamping force of the system holds workpieces securely in the desired position, making it possible to change workpieces quickly and accurately without repositioning. This reduces the set-up effort and increases productivity. The zero point clamping of the GARANT ZeroClamp system is indispensable for efficient production processes. Find out more about the innovative technology from GARANT ZeroClamp and optimise your production.

Advantage:

- **Repetition accuracy < 2.5 µm.**
- **Clearance is always zero thanks to HSK principle. (hollow shank taper)**
- **Thermal symmetry through pre-loaded machine tapers. These equalise pitch inaccuracies towards zero point.**
- **Only one type of clamping stud is required, which simplifies logistics.**

- **30% greater force/stroke volume than standard clamping pots. Clamping jaws motion is linear and does not need to be divided into rapid stroke and clamping stroke.**
- **Blow-out function, turbo function and jaw position query.**
- **No free pins or locating pins required, but still works the classic way with these types of pins.**

Function:

A piston with recesses in the piston valve area that includes attachments arranged at an angle of 15° which engage in the valves.

Piston stroke motion moves the clamping jaws radially, locking the clamping stud by applying the spring force of the 14 locking springs.

Application:

For individual incorporation in the clamping system. For retrofitting on existing base plates for greater holding force.

Optional extras:

Clamping stud No. 360025 size 16M8, 16M10, 18M12, 18M16 and 25M10.

Technical description

Radial compensation	0.1 mm
Holding force M10	35 kN
Draw-in force	5 kN
Holding force M12	50 kN
Series	ZeroClamp
Clamping pot Ø d	120 mm
Repetition accuracy	< 2.5 µm
Indexing hole available	no
Draw-in force with turbo	20 kN
Type of product	Clamping pot