

## Zeropoint Quickclamping extrusion cylinder

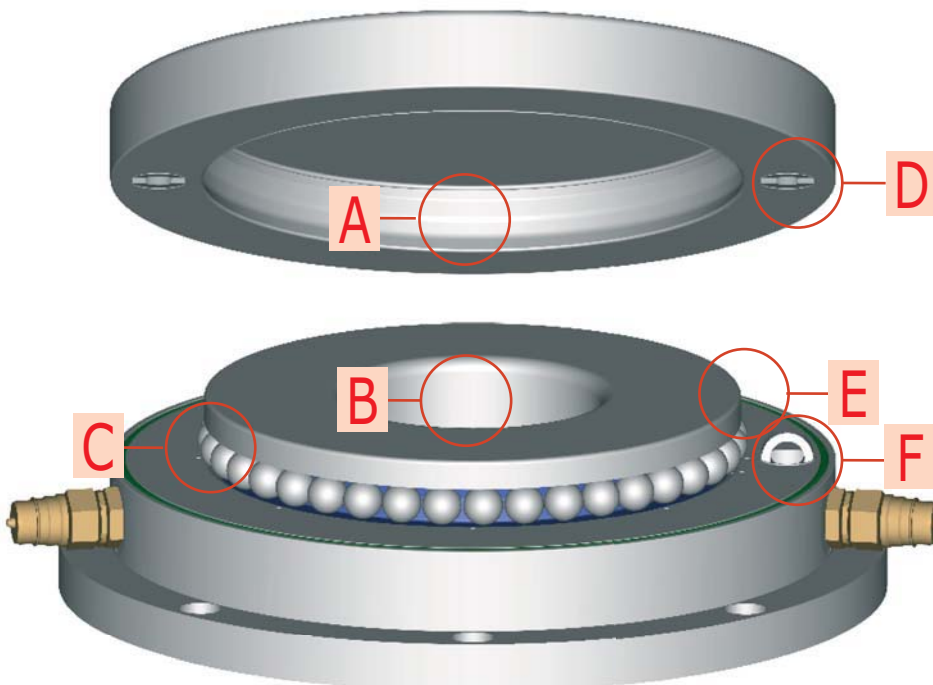
### Zeropoint Quickclamping extrusion cylinder for applications by:

- Round tables and 5 axes milling machines, turning machines
- Better level holding
- Large support surface
- Free passage for flange piece, tubes, forks ...

For any information about the

### Zeropoint Quickclamping extrusion cylinder

do not hesitate to request the whole catalog



**NEW!**  
Only by  
Zero-Point-  
Systems

### Advantages of Hemo Zero Point Systems AG technology:

#### **A** Accurate locking device and freely according to the working introduction movements

The balls are in free movement on a unclosed support and can be blocked in 3 points. This makes possible to obtain an extremely accurate locking. Moreover, the introduction movements which will lift the pallet on the support surface, can only act by this way and move freely downwards. Thus the block is solidly maintained with the pallet and locked with a great holding force.

#### **B** Free passage for flange pieces

By a central extrusion, you can make the machining of flange pieces which will pass through the system or to leave an access for the spindle nose of the turning machines.

#### **C** Large ball diameter

The balls are positioned side by side and constitute a ring surface of locking almost perfectly circular.

#### **D** Free indexation

The free indexation represents a great progress compared to the old systems with one or four possibilities of indexing

#### **E** Radial position

A surface freely accessible on the cylinder makes possible to measure and adjust.

#### **F** Interchangeable index mechanism

The index mechanism can be interchanged without problem in case of crash or wearing.

# Extrusion quick clamping cylinder

Thanks to the external locking and the innovation design of the Zeropoint Quickclamping system, new applications can be developed in the area, where high side forces have to be compensated.

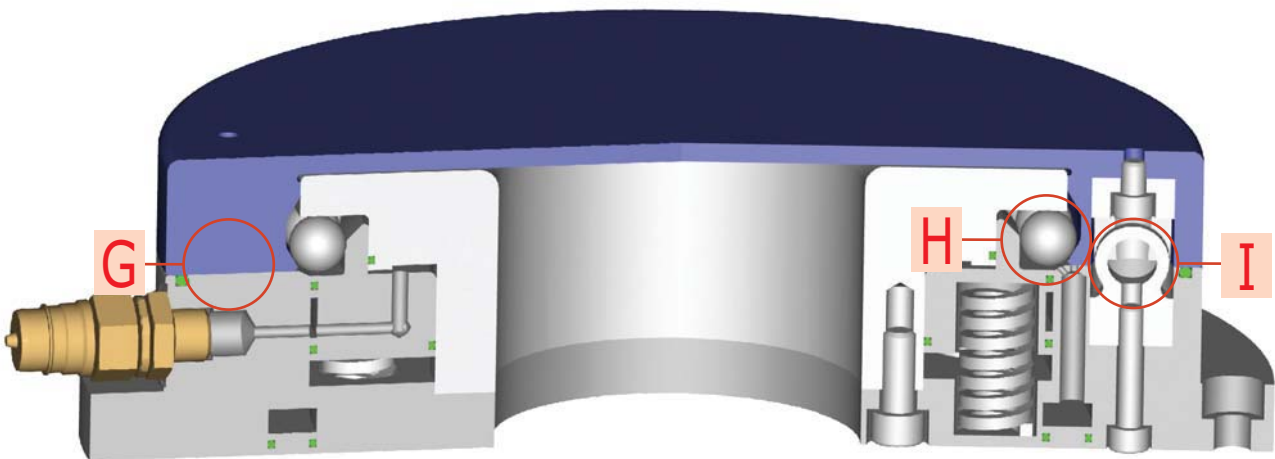
**G Large Z support surface**  
Compared with all conventional quick clamping systems, the Z support surface is furthest dispersed, which positively affects the stability of the side force.

**I Indexation at the edge**  
The indexation which could be freely selected, is at the edge external of the quick clamping system.

**H Elimination of vibration**  
The key holding of the balls generates a pull in force of 70000 N (Standard model) and so eliminates the vibrations

## Adaptation at the size of the machine table

On request, the diameter, the size of the balls and the force of traction can be adjust according to the dimensions of machine tables. In this manner the force capacity of the lever will be fully used.



## Small Z high

The small Z high of only 70 mm and a passage opening of 91 mm makes it possible to machine also larger workpieces to go through the cylinder and to be machined

## Variable dimensions

On request, the diameter, the size of the balls and the force of traction of Hemo Zero Point Systems AG can be adjust according to the dimensions of machine tables. In this manner the traverses of displacements will be used optimally and not limited like with other systems by a particular dimension.