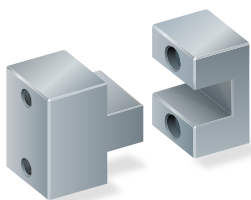


# Standard Parts

## Agathon centering system for mold construction

1980



2016



The Evolution

**AGATHON**

# Range of applications

The Agathon centering (Round Fine Centering), for individual centering of cavities and main separation planes, guarantees very precise guidance and maximum load capacity already at centering start. The built-in cage positioning system allows full exit of the preload during working process. Made of hardened, wear resistant bearing steel, ideal for high production volumes, that demand critical tolerance.

## Applications

- Plate centering for precise guidance and maximum load capacity
- Centering systems for mold tool dimensions of 100 mm to 1000 mm edge length
- Use as individual centering of cavities
- Centering of hybrid injection molds
- Guiding of ejection plates or plate guide for ventilation stroke
- Tool centering on the injection molding machine
- Tool retrofit (rework): exchange of conventional guide blocks for Agathon centering systems

# The outstanding advantages of the Agathon centering

## High initial load capacity and precision

- High initial load capacity at centering start
- Cage retaining and positioning system
- Long centering stroke
- No backlash because of preloaded rolling elements
- No stick-slip

## High design freedom

- Centering units can be placed anywhere on the entire tool surface
- 2 to 4 units are commonly used
- Bushes can be secured with provided fasteners or clamped between the plates via the collar

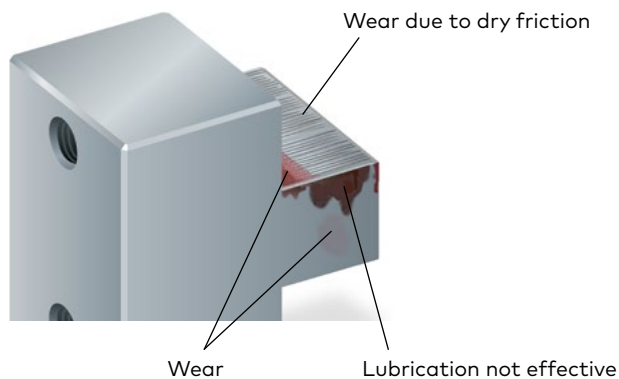
## Cleanroom compatibility

- Abrasion free due to rolling elements
- Minimum amount of lubrication can be used
- Use in high temperature applications

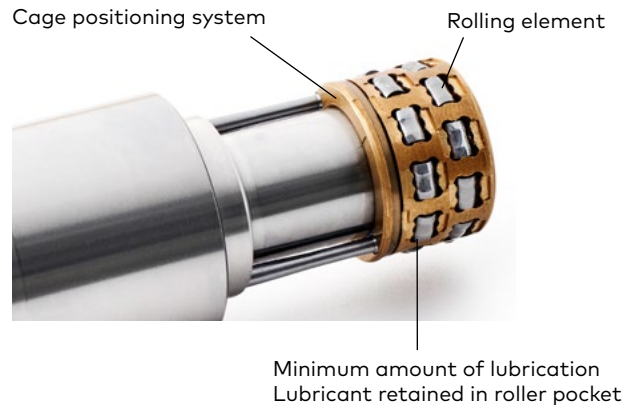
## Ease of use

- Simple calculation scheme with regard to the size and number of centering units needed
- Free download of CAD data in all formats
- Shape and location holes machined in one operation
- Several sizes ready for installation are available from stock
- Customized solutions on request

## Conventional design



## Agathon design



# Agathon centerings



## The Universal – 7990

- Centering at main separation
- Guiding of ejection plate
- Guiding of ventilation stroke



## For smaller applications – 7992

- Centering of individual cavities
- Centering at main separation on small tools



## For the highest demands – 7993

- Ideal for high cleanroom demands
- High temperature applications
- Long guided centering stroke for perfect ejection of molded parts
- No restrictions regarding cleaning methods

**AGATHON**

**STRIVE FOR THE BEST.**