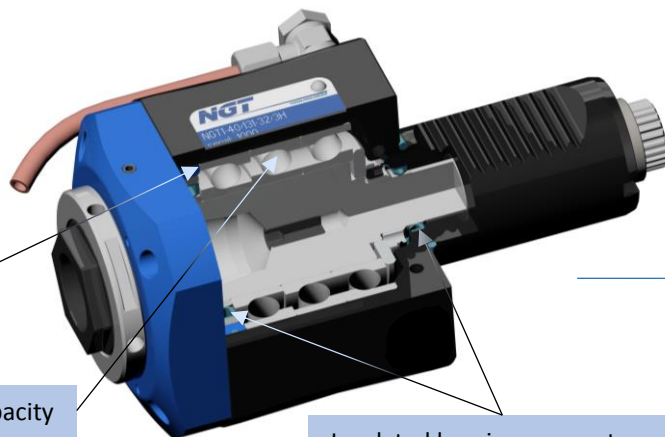




Our new generation of toolholders are based on one design that push to the limits all the characteristics of such of a product.

This new line of products characterised by one new external design, keep the precision to the highest level, but also include new features and properties, like:

- Patented high pressure sealing up to 80 bar (real on tool pressure)
- Two ways external cooling
- Insulated bearing compartment
- Bearings size upgrade
- Full bearings capacity (ED series)



Bearings size upgrade

Full bearings capacity

Insulated bearing compartment

The bearings sit in one completely insulated area of the toolholder, having sealing in both directions, in the tool side but also in the turret side.

We include one very simple and intuitive coolant management system.

This gives the opportunity to the user to select one of the three modes available:

- External cooling
- Internal cooling
- External +internal cooling



Two way external cooling



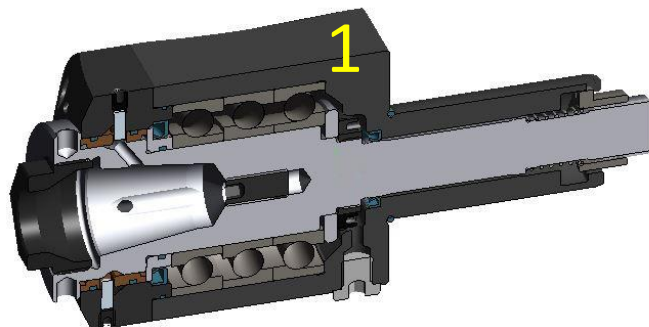
High pressure internal cooling (80 bar)

The robust construction of the high pressure sealing provide long life for the internal components of our toolholder and 80 bar real on tool pressure.

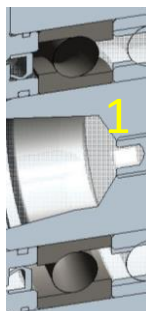
In order to increase toolholders life we maximised the bearing sizes and keep using high precision spindel bearings. In this way was born HD (Heavy Duty) series.

For very special applications, we include the full bearings capacity and this is the ED (Extreme Duty) series.

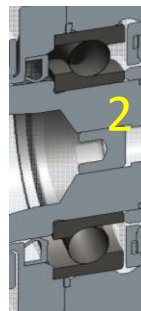
NEW 80 bar coolant pressure



NEW



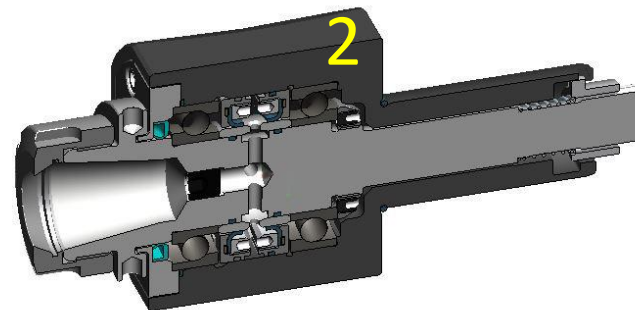
STANDARD



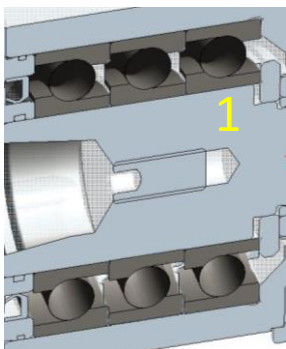
Bearings size upgrade

The bearings size is considerable increased in the new generation of toolholders (1), in comparison with standard one (2), allowing higher cutting regime.

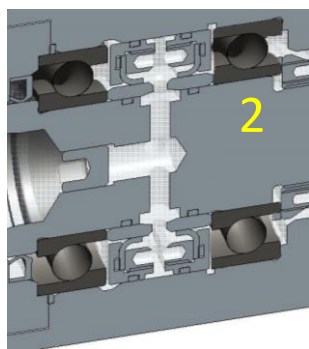
STANDARD 20 bar coolant pressure



NEW



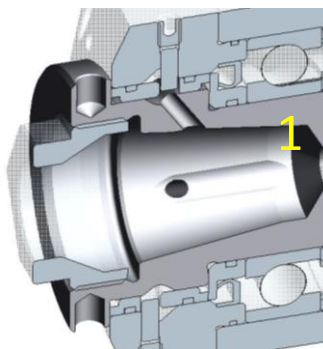
STANDARD



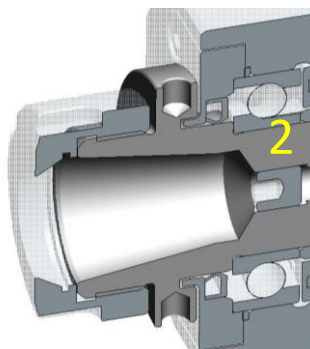
Full bearings capacity

The bearings are located one side and the other of the sealing kit in standard toolholders (2). In the new toolholder generation (1), the sealing kit is no longer between the bearings, so we can install the 3-rd bearing for extreme cutting regime.

NEW



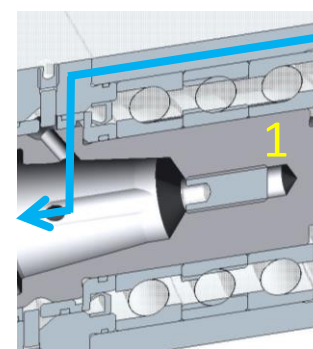
STANDARD



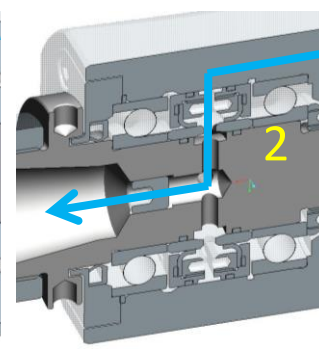
Rigidity

The output cone on standard toolholders (2), is located in the front of the first bearing. In the new toolholder generation (1), the output cone goes under the first bearing, for better rigidity and low vibrations level.

NEW



STANDARD



Insulated bearing compartment

The coolant path are between bearings on standard toolholders (2), so any leakage goes right into the bearings. In the new toolholder generation (1), the coolant avoid bearings area, increasing toolholder the longevity.