Clamping principles for customized Clamping Mandrels

Segmented Diaphragm Clamping Mandrels and Short Element Clamping Mandrels

**Features**

**Segmented Diaphragm Clamping Mandrel**
- For clamping diameters from 160 mm to 1 600 mm
- True running accuracy ≤ 0,01 mm up to clamping diameter of 500 mm
- Very high repeating accuracy ≤ 0,005 mm
- Permissible component tolerance up to IT13
- Short clamping fixture length
- Extended insertion depth
- Pull-back
- For thin-walled or solid components
- Hand clamping optional possible
- Virtually wear-free due to elastic deformation during the clamping process. Thus guarantees very long service life
- Maximum possible rigidity of the entire machine-tool/clamping-fixture system due to the short clamping fixture length
- Suitable especially for turbine stage clamping

**Short Element Clamping Mandrel**
- For clamping diameters from 70 mm to 200 mm
- High true running accuracy ≤ 0,01 mm
- Permissible component tolerance up to IT11
- Very short clamping fixture length
- Pull-back
- Rubberized slots in the Short Element
- For blind bores ≥ 2 mm
- Clamping in the shortest centrings and blind bores
- Simple configuration
- Long service life
- Setup to different clamping diameters within a given size by simple change of the Clamping Element
Features
Disc Element Clamping Mandrel

- For clamping diameters from 200 mm to 450 mm
- True running accuracy ≤ 0,02 mm
- Permissible component tolerance up to IT11
- Short clamping length
- Extended insertion depth
- Pull-back
- Hand clamping optional possible
- Rubberized slots in the Disc Element