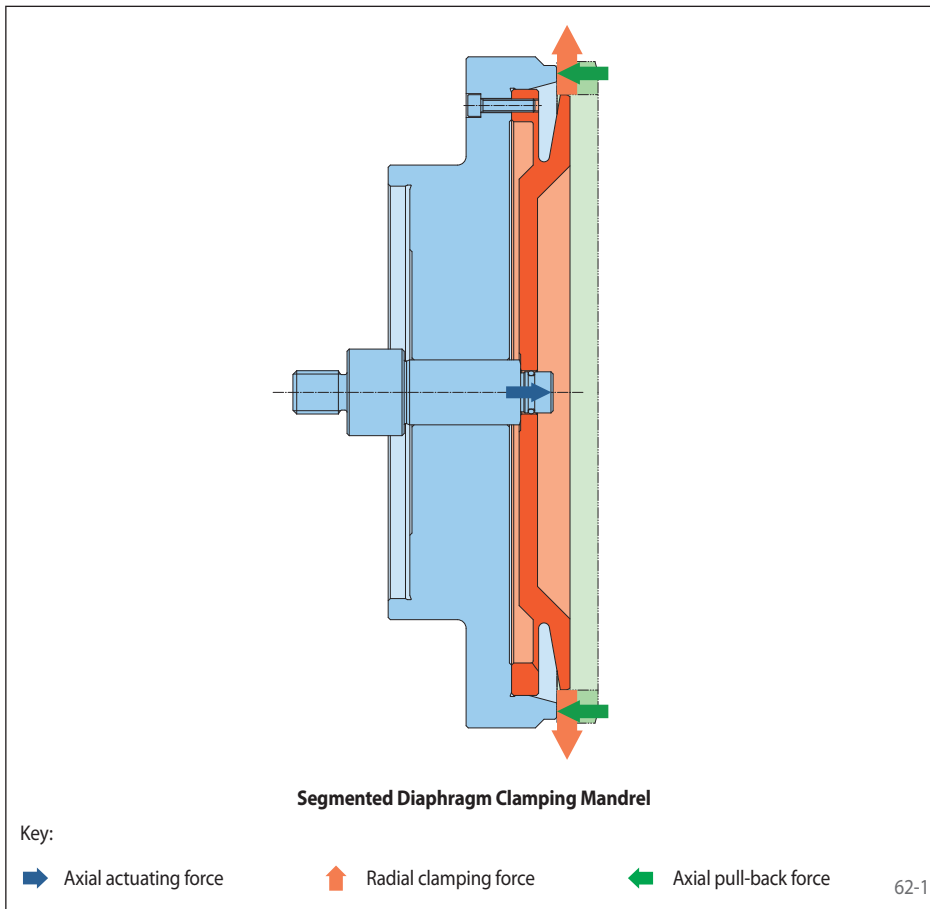


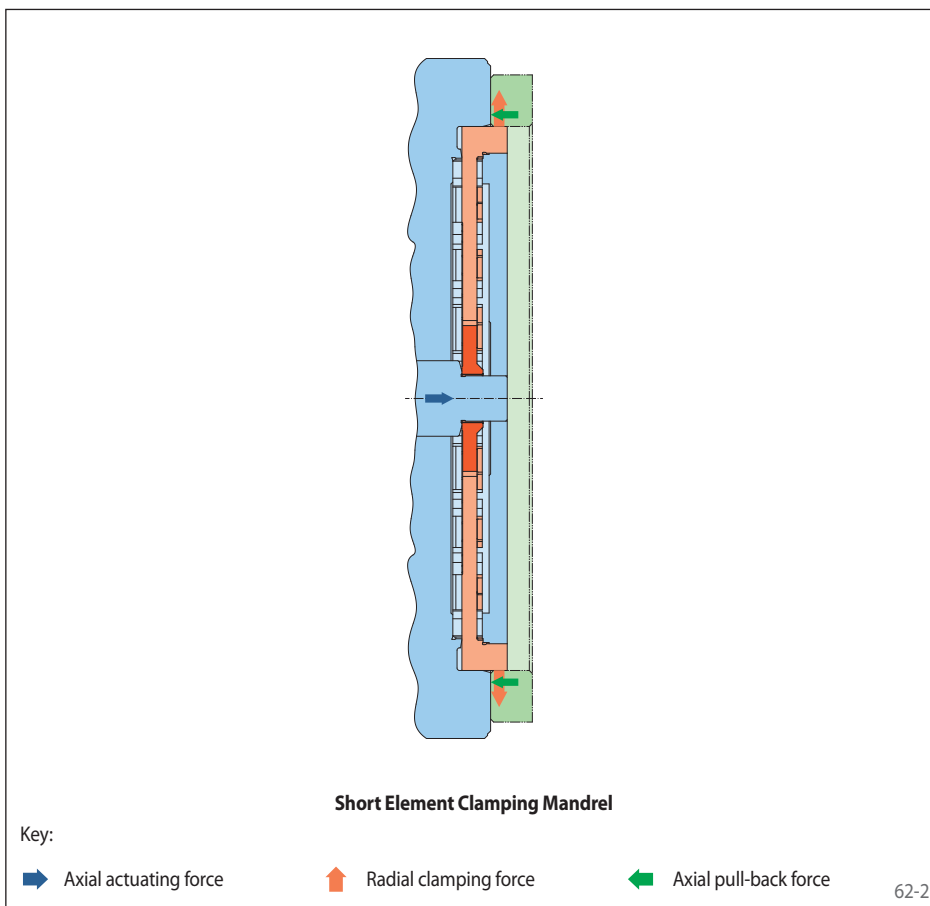
Segmented Diaphragm Clamping Mandrels and Short Element Clamping Mandrels



Features

Segmented Diaphragm Clamping Mandrel

- For clamping diameters from 160 mm to 1 600 mm
- True running accuracy $\leq 0,01$ mm up to clamping diameter of 500 mm
- Very high repeating accuracy $\leq 0,005$ 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

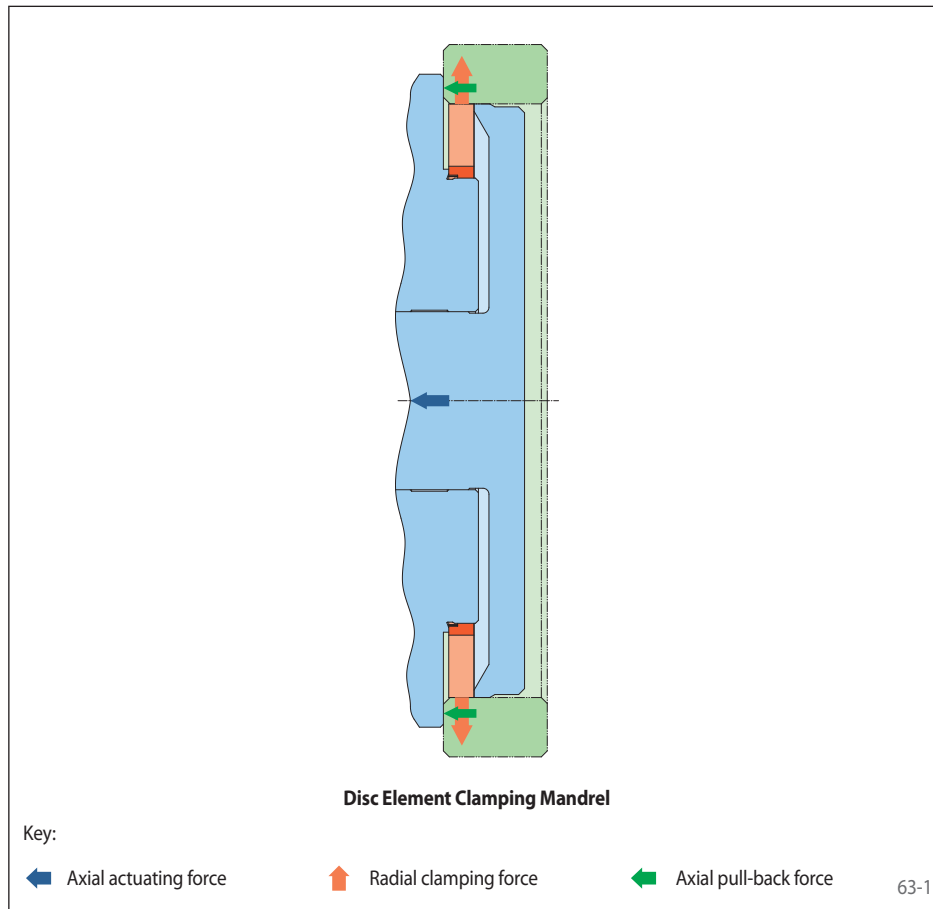


Features

Short Element Clamping Mandrel

- For clamping diameters from 70 mm to 200 mm
- High true running accuracy $\leq 0,01$ 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

Disc Element Clamping Mandrels



Features

Disc Element Clamping Mandrel

- For clamping diameters from 200 mm to 450 mm
- True running accuracy $\leq 0,02$ 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