

Motherson Innovative Engineering Solutions (MINES)

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Motherson Techno precision México
Innovative
Machining solutions.

Products and materials.



Products and materials.



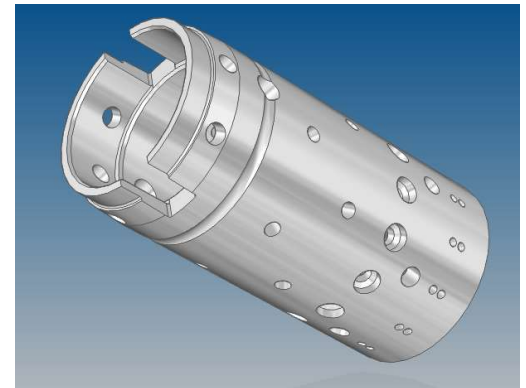
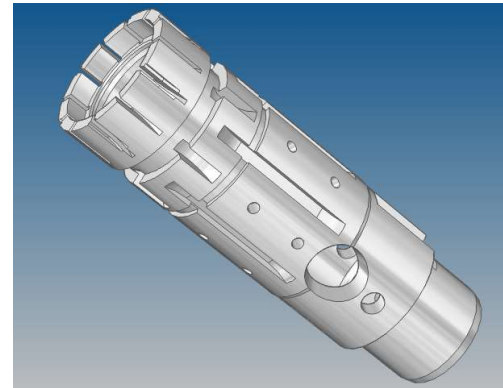
Hydraulic Motor Parts



Critical Parts for Hydraulic Power Steering

Spool and sleeve

- ID & OD roundness within 3 microns for diameter of 38mm and 42mm
- Straightness within 5 microns for the length of 85 mm
- Multi holes on OD for Oil flow, measured in WMM (Shaft Measuring equipment using high-definition camera)
- 128 holes machined on 4th axis VMC machine, position tolerance 50 microns.



Critical Parts for Hydraulic Power Steering

Piston

- Very high precision parts with Heat treatment & profile grinding.
- Grinding of OD and chamfer in one set up, runout 10 microns.
- Part is opened with 0.6 mm Drill at Bigger side OD .



Critical Parts for Hydraulic Power Steering

Disc valve

- Hydraulic motor part with case hardening.
- Precision part with high spline class requirement.
- 16 slots with close tolerance of 50 Micron position with respect to spline.
- Multiple slots and holes done on 4th & 5th axis VMC machine.



Parts manufactured.





Thank you.

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