

More Information's

Boring bar, Grinding bar:



Big- Grinding bar

Big- Boring bar

with patented anti vibration system
with very positive efforts

Ø up to 1200 mm
Length up to 14000 mm

Grinding spindle:

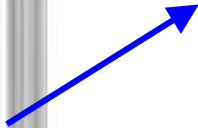
torque	Nm	100 up to	550
power	kW	21 up to	72
revolution	RPM	3000 up to	10000
other specifications on demand			

on option:

- internal coolant supply up to 70 bar
- boring- and grinding bar support
- boring- and internal grinding- machines
- optical machining surveillance
- acoustic machining surveillance
- oscillation- surveillance
- oscillation - adjustment
- boring bar holder
- work piece specific machining systems

Grinding-bar:

diameter Ø = 300 mm
length = 5000 mm
grinding disk- Ø = 380 mm



Boring-bar:

Ø = 600 mm
length = 11000 mm



Adapter-heads

K 63,80
C 6, 8



M 1



M 2



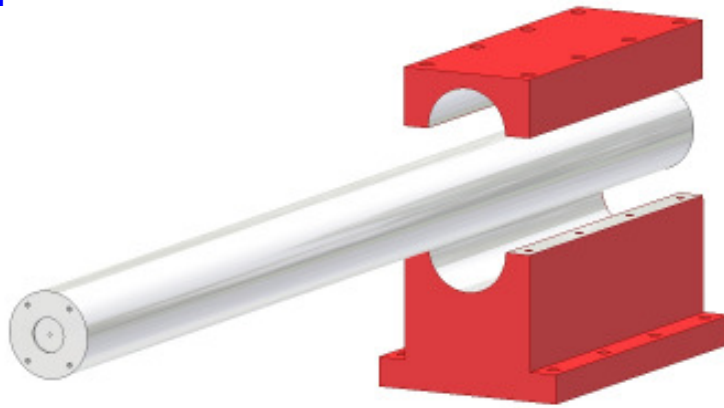
W 2



M 3



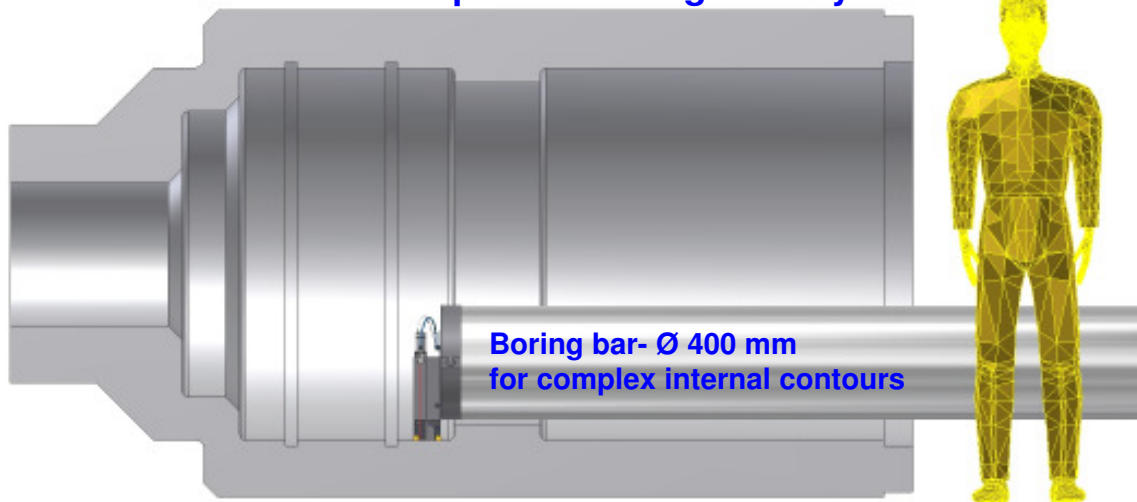
with optical
work piece
surveillance



boring bar holder

**Special- heads for
boring-bars
for work piece specific
machining tasks**

**Work pieces
with complex internal geometry**



Boring bars

vibration damped

on option:

- Optical machining surveillance
- Acoustic machining surveillance
- Oscillation- surveillance
- Oscillation - adjustment
- internal coolant supply up to 70 bar
- boring bar holder
- work piece specific machining systems

Big boring bars
 vibration damped
 Ø up to 1200 mm
 Length up to 14000 mm

monitor
 oscillation
 display

monitor
 camera

boring bar-head M3

jet for protection air,
 camera protection

camera

Tool base
 holder
 movable

M3
 boring bar-
 head plate

oscillation-
 sensor

tool-
 cassette-
 holder
 radial, axial
 or on customers
 demand

boring bar
D400x6000mm

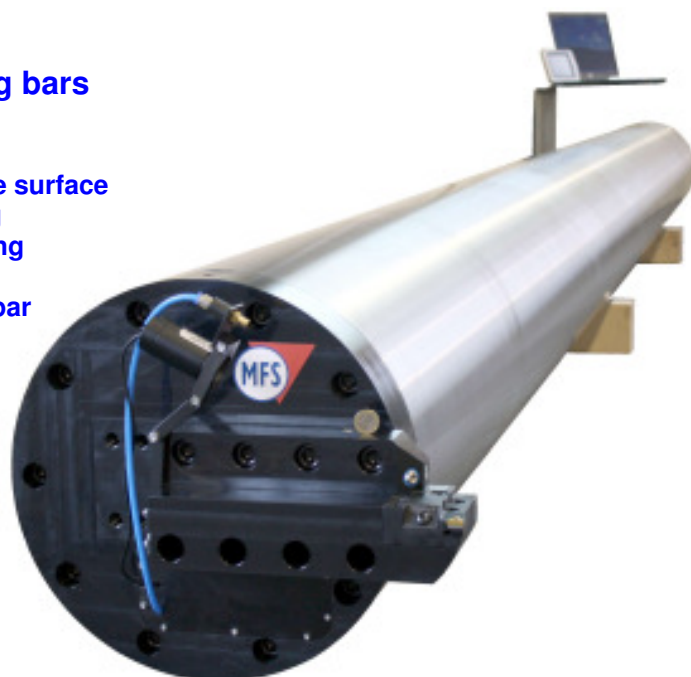
tool- cutting
 edge
 in cassette

nozzle

**Vibration damped big- boring bars
 with auxiliary equipment**

Options:

- **optical** surveillance of work piece surface
- **optical** surveillance of machining
- **acoustic** surveillance of machining
- tool oscillation surveillance
- internal coolant supply up to 70 bar
- work piece specific machining systems
- boring bar holder

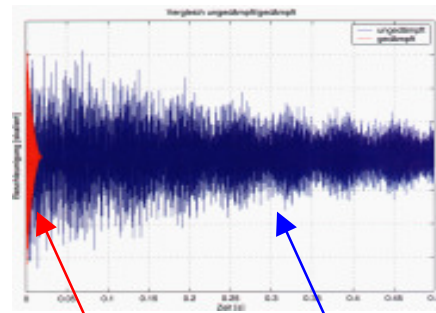


the boring bars are equipped with our patented anti vibration system with its very positive efforts.

ADVANTAGES:

- increasing of cutting speed
- better surface quality
- higher accuracy
- higher life cycle of tool cutting edges
- shorter machining cycle time

= REDUCING OF COSTS



damped -----

not damped -----