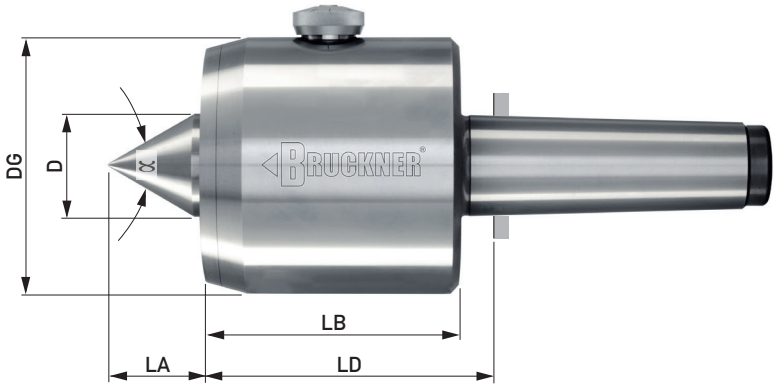
Type MZ

with expansion compensation and pressure indication by graduated dial
Centrepoint 60°, 75°, 90°

Runout
max. 0.008 mm
max. 0.004 mm on request

Application
If the axial pressure must not exceed or fall below a defined value to clamp the component safely or to avoid workpiece deformation.
When machining heavy workpieces prone to heat expansion.

Type MZ



Type MZ without draw-off thread

Type AMZ with draw-off thread

for machines with tailstock sleeve without through bore

Type AMZ

Type MZR with tailstock sleeve support ring and patented safety spigot

The tailstock sleeve support:

- makes the connection between tailstock sleeve and centre housing sturdier
- minimises the possibility of machining vibrations

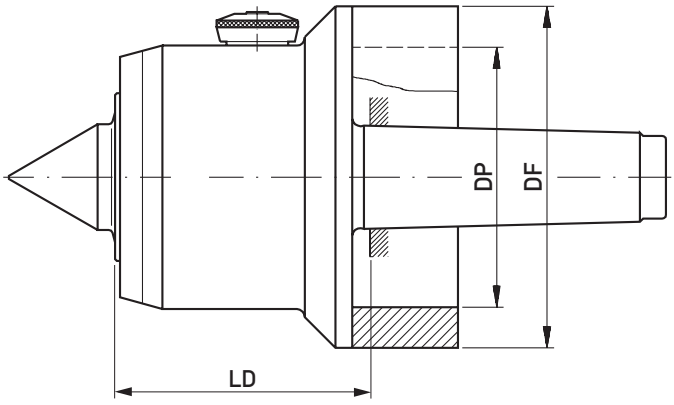
We recommend our tailstock sleeve support design when

- machining heavy workpieces, unbalanced and/or interrupted cuts
- high quality workpiece surface finishes are required

Type MZR

Adjusting the clamping pressure
The tailstock pressure required is adjusted on the graduated dial. When clamping the component, the central measuring pin is lifted in proportion to the travel of the centre spindle.
The required clamping force is reached when measuring pin and scaling ring surface are level.

Pressure too low | Correct pressure | Pressure too high



Type MZ	ID.No.	MZ164006	MZ194M080	MZ194K080	MZ194M100	MZ194K100	MZ224M100	MZ224K100
Type AMZ	ID.No.	MZ164006A	MZ194M080A	MZ194K080A	MZ194M100A	MZ194K100A	on request	on request
Taper size		MT 6	Metr. 80 1:20	Taper 80 1:10	Metr. 100 1:20	Taper 100 1:10	Metr. 100 1:20	Taper 100 1:10
D		65	90	90	90	90	100	100
DG		160	190	190	190	190	220	220
LA for ∢∝	standard 60°	62	86	86	86	86	95	95
	optional 75°	48.5	67.5	67.5	67.5	67.5	74	74
	90°	39	54	54	54	54	60	60
LB		157	169	169	169	169	187	187
LD		168	187	187	187	187	205	205
Workpiece weight max. daN*		6000	10000	10000	10000	10000	15000	15000
r.p.m. max.*		1600	850	850	850	850	750	750
Initial pressure daN*		800	1200	1200	1200	1200	1500	1500
Final pressure daN*		8000	12000	12000	12000	12000	16200	16200
Max. travel of spring system mm		2.3	2.8	2.8	2.8	2.8	2.9	2.9
Radial/axial load graph		RX1/AX1	RX2/AX2	RX2/AX2	RX2/AX2	RX2/AX2	RX3/AX3	RX3/AX3
Draw-off nut for Type AMZ**	ID.No.	M140A	M180A	M180A	M180A	M180A		

**dimensions of draw-off nut

*observe the load graphs

Type MZR	ID.No.	MZR194006	MZR194M080	MZR194K080	MZR224M080	MZR224K080
Taper size		MT 6	Metr. 80 1:20	Taper 80 1:10	Metr. 80 1:20	Taper 80 1:10
D		90	90	90	100	100
DG		190	190	190	220	220
DF		230	230	230	230	230
DP		100-180	100-180	100-180	100-180	100-180
LD		180	187	187	205	205
Workpiece weight max. daN*		10000	10000	10000	15000	15000
Radial/axial load graph		RX2/AX2	RX2/AX2	RX2/AX2	RX3/AX3	RX3/AX3

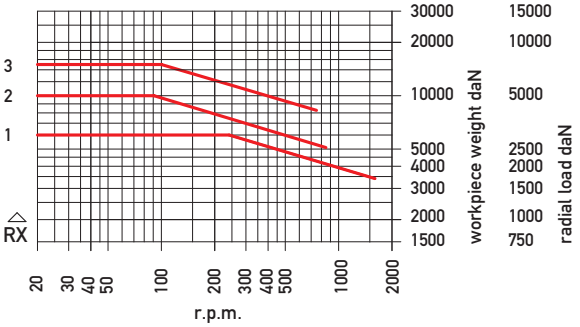
All other dimensions see similar type MZ

*observe the load graphs

When inquiring/ordering please indicate:
1. Point angle of the centre
2. For type MZR the tailstock sleeve diameter within 0.01 mm

Radial and axial loads for a bearing life of 2000 operating hours

Radial – Types MZ, AMZ, MZR



Axial – Types MZ, AMZ, MZR