

CLAMPING ELEMENTS | PNEUMATIC SERIES MKR

▶ PRODUCT ADVANTAGES



- ▶ **Independent of the manufacturer**
For circular guides and shaft guides
- ▶ **Energize to close (NO)**
Closing with pressure
- ▶ **high durability**
Up to 5 million static clamping cycles

▶ THE BEST PRODUCT FOR YOUR APPLICATION

APPLICATION SCENARIOS

- ▶ **Fixing of vertical axes**
- ▶ **Positioning of lifting units**
- ▶ **Clamping of machine tables**

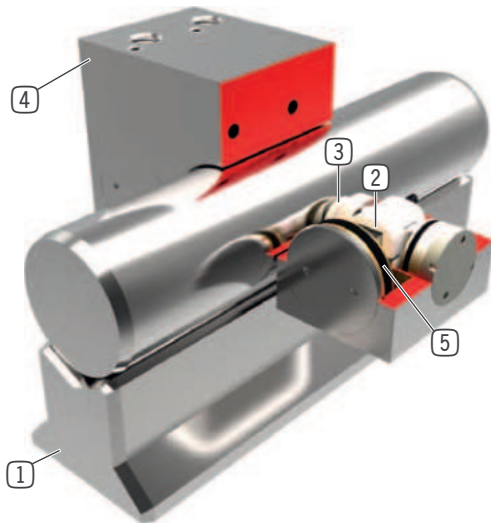
FURTHER INFORMATION

- ▶ **Special variants on request, e.g.**
With proximity switch monitoring
With additional air connection (from above, from the front)

TECHNICAL DATA

Shaft diameter	12-60 mm
Holding force	650-1850 N
Pressure min. / max.	3 / 6.5 [bar]
Spring storage	inexistent
PLUS connection	No
Static clamping cycles (B10d value)	up to 5 million
Dynamic braking cycles	not suitable
Operation	pneumatic
Operating temperature	-10 ... +70 [°C]
Shaft tolerance	+/- 0,01 mm
Hardness	min. 54 HRC

► BENEFITS IN DETAIL

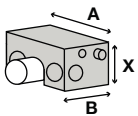


- ① **Circular guide**
 - Compatible with circular and shaft guides
- ② **Wedge-type gear**
 - Power transmission between piston and clamping jaw
- ③ **Clamping jaw**
 - Pressed at the circular guide
- ④ **housing**
 - chemically nickel plated steel
- ⑤ **Pneumatic piston**
 - The piston moves the wedge-type gear longitudinally

► TECHNICAL DATA

► SERIES MKR CLAMPING NO (NORMALLY OPEN) OPEN WITHOUT PRESSURE

Order no.	Shaft Ø* [mm]	Holding force [N]	Holding torque [Nm]	A [mm]	B1 [mm]	X [mm]
MKR1200A	12	650	4	50.0	37	18
MKR1600A	16	650	5	55.0	39	22
MKR2000A	20	1000	10	66.0	38	25
MKR2500A	25	1200	15	77.0	42	30
MKR3000A	30	1750	26	92.0	48.5	35
MKR3200A	32	1850	37	120.0	49	45
MKR4000A	40	1850	37	120.0	49	45
MKR5000A	50	1850	46	132.0	49	50
MKR6000A	60	1850	56	142.0	49	50



* Min. hardness of 54 HRC