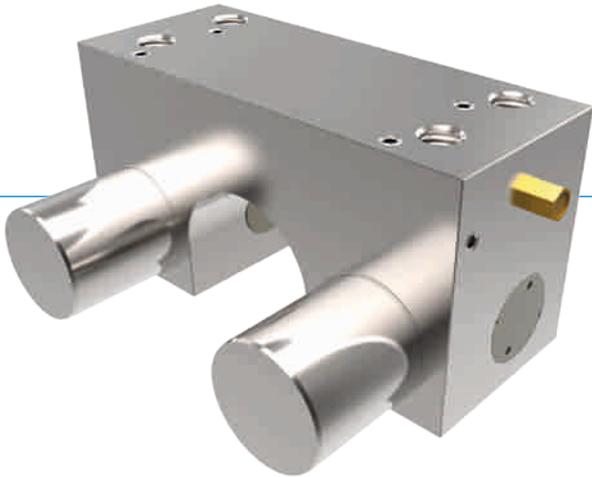


CLAMPING ELEMENTS | PNEUMATIC SERIES MKRS

▶ PRODUCT ADVANTAGES



- ▶ **Independent of the manufacturer**
For circular guides and shaft guides
- ▶ **Energize to open (NC)**
through spring-loaded energy storage
- ▶ **high durability**
Up to 5 million static clamping cycles
- ▶ **Safety element**
Safe clamping in case of energy failure

▶ THE BEST PRODUCT FOR YOUR APPLICATION

APPLICATION SCENARIOS

- ▶ **Clamping in case of pressure drop**
- ▶ **Clamping without energy requirement**

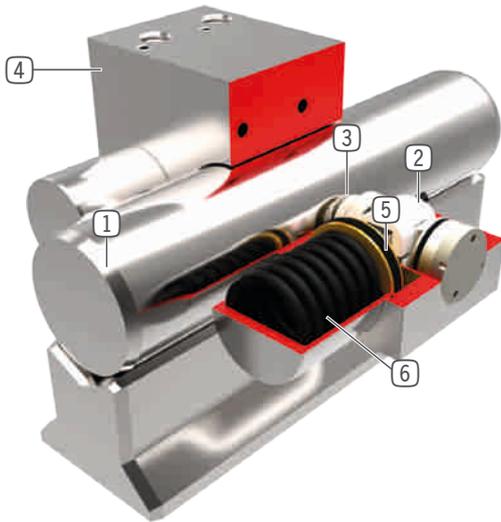
FURTHER INFORMATION

- ▶ **Special variants on request, e.g.**
With proximity switch monitoring
With low opening pressure (3.0 bar or 4.0 bar)
With additional air connection (from above, from the front)

TECHNICAL DATA

Shaft diameter	12-60 mm
Holding force	350-1650 N
Pressure min. / max.	5.5 / 6.5 [bar]
Spring storage	existing
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

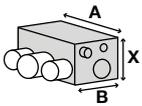


- ① **Circular guide**
 - Compatible with circular and shaft guides
- ② **Wedge-type gear**
 - Power transmission between piston and clamping jaw
- ③ **Clamping jaw**
 - Pressed at the circular guide
- ④ **Housing**
 - chemically nickel plated steel
- ⑤ **Pneumatic piston**
 - The piston moves the wedge-type gear longitudinally
- ⑥ **Spring-loaded energy storage**
 - For non-pressurized closing of the clamping unit

► TECHNICAL DATA

► SERIES MKRS CLAMPING NC (NORMALLY CLOSED) CLOSED WITHOUT PRESSURE

Order no.	Shaft Ø*	Holding force	Holding torque	A	B	X
	[mm]	[N]	[Nm]	[mm]	[mm]	[mm]
MKRS1200A	12	350	2	50	56	18
MKRS2000A	20	600	6	66	60	25
MKRS2500A	25	750	9	77	63	30
MKRS3000A	30	1050	16	92	77.5	35
MKRS3200A	32	1650	33	120	82	45
MKRS4000A	40	1650	33	120	82	45
MKRS5000A	50	1650	41	132	82	50
MKRS6000A	60	1650	49	142	82	50



*Min. hardness of 54 HRC