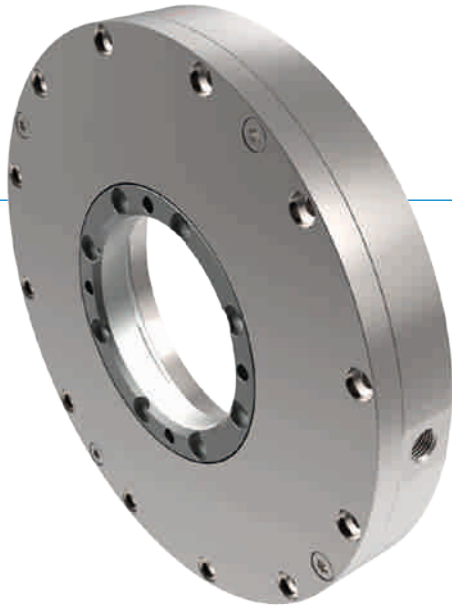


# CLAMPING ELEMENTS | PNEUMATIC SERIES TPS

## ▶ 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  
Internal torque input  
No wear on the shaft
- ▶ **Safety element**  
Safe clamping in case of energy failure

## ▶ THE BEST PRODUCT FOR YOUR APPLICATION

### APPLICATION SCENARIOS

- ▶ **Torque take-up of shafts**
- ▶ **For deployment in torque motors**
- ▶ **For deployment in rotating disc contactors**

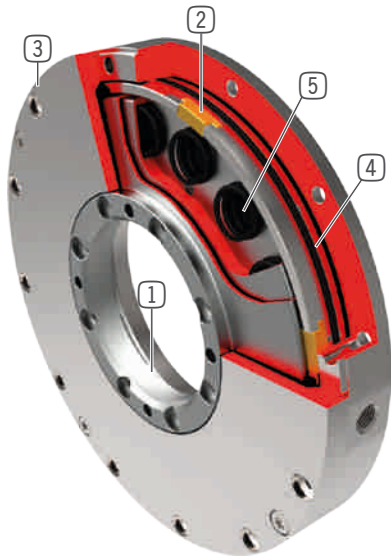
### FURTHER INFORMATION

- ▶ **Special variants on request, e.g.**  
With proximity switch monitoring  
With low opening pressure (3.0 bar or 4.0 bar)

### TECHNICAL DATA

Shaft diameter	50-200 mm
Holding torque	60-500 Nm
Pressure min. / max.	4 / 6.5 [bar]
Spring storage	existing
PLUS connection	No
Static clamping cycles (B10d value)	up to 5 million
Dynamic braking cycles	not suitable
Operating temperature	-10 ... +70 [°C]

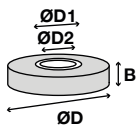
## ► BENEFITS IN DETAIL



- ① **Clamping flange**  
- For fastening to the shaft
- ② **Clamping segments**  
- Fastens clamping disk inside the element
- ③ **Housing**  
- chemically nickel plated steel
- ④ **Pneumatic piston**  
- Ring pistons move the clamping segments longitudinally
- ⑤ **Spring-loaded energy storage**  
- For non-pressurized closing of the clamping unit

## ► TECHNICAL DATA

### ► SERIES TPS CLAMPING NC (NORMALLY CLOSED) CLOSED WITHOUT PRESSURE



Order no.	Shaft Ø [mm]	Holding torque [Nm]	B [mm]	ØD [mm]	ØD1 [mm]	ØD2 [mm]
TPS050	50	60	25	145	50	28
TPS060	60	80	25	155	60	38
TPS080	80	140	25	175	80	58
TPS090	90	140	28	185	90	70
TPS120	120	180	28	215	120	100
TPS160	160	400	35	288	160	110
TPS200	200	500	35	328	200	150