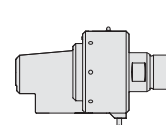
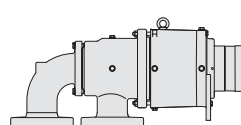
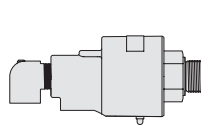
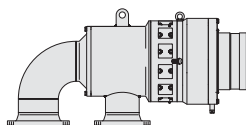
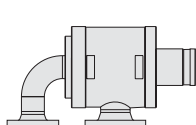


Our Solutions at a Glance

This overview illustrates the benefits, application areas and performance ranges of the Maier rotary joints.

Series

DA	DC	DP	DQ	DX
Shaft-supported rotary joint with maintenance-free, metal-impregnated sealing rings.	Rotary joint for hot water and steam at high pressures and speeds. Balanced mechanical seal with external water cooling. Meets the special requirements of paper and fleece calendars, fiber and corrugated cardboard systems. Suitable for large, steam-heated driers. Patented system.	Universal rotary joint for water and thermal oil with balanced mechanical seal and ball bearings. Various seal combinations can be selected, depending on the application. Meets the special requirements of the printing and plastics industries.	Rotary joint for thermal oil with high temperature and speed ranges, balanced mechanical seal. DQ, DQT, DQTX with additional cooling circuit for cooling and lubrication of bearings and seal. Meets the requirements of calenders operating at high speeds and temperatures. Patented system.	Universal rotary joint for water, equipped with mechanical seal and ball bearings. DXS with highly resistant, ceramics-coated sealing surface for higher temperatures and speeds as well as prolonged service life.



Series	DA	DC		DP		DQ				
Type		DC	DCL	DP	DP-800	DQL	DQ	DQT	DQTX	DQ5
Medium										
Cooling water	●			●						
Hot water	●		●	●						
Steam	●	●								
Cooling lubricant										
Air										
Vacuum										
Hydraulic oil										
Thermal oil	●				●	●	●	●	●	●
Dry-run										
Minimal quantity lubrication										

Operating conditions

PN max (bar)	40	40	16	10	10	10	10	10	13	10
T max (°C)	320	250	180	160	160	230	300	350	400	300
Speed max...min ⁻¹	$\frac{100000}{DN \times PN}$	$\frac{1000000}{DN \times PN}$	$\frac{1000000}{DN \times PN}$	$\frac{55000}{DN}$	$\frac{55000}{DN}$	$\frac{50000}{DN}$	$\frac{100000}{DN}$	$\frac{100000}{DN}$	$\frac{100000}{DN}$	$\frac{130000}{DN}$
DN (mm) min...max	50–300	25–370	25–150	10–100	10–100	25–125	25–200	25–150	25–150	

Technical specifications

Catalog number	D144	D143	D143	D132	D132	D134	D134	D134	D134	D134
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DZ

Rotary joint series for compressed air. Several channels for different pressures, large and small volumes. Stainless steel version with special sealing rings and counter surfaces made of ceramics or other hard materials. Extremely resistant.

H

Universal rotary joint with maintenance-free carbon sealing rings and carbon bushings. Metal-impregnated sealing rings for thermal oil and higher pressure loads when used for hot water and steam. H3 features an integrated vacuum valve for steam cylinders. Many different versions.

K

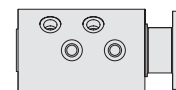
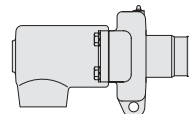
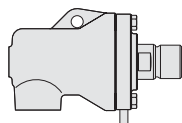
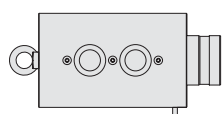
High-performance series for internal supply of cooling lubrication (coolant) to machine tools. Suitable for permanent dry-run and for minimal quantity lubrication. Patented system.

M

Sturdy rotary joint for polluted media at low speeds.

MP

Multi-passage rotary joint for simultaneous supply of up to ten different media. For turntables, tools and forms.



DX			DZ	H		K	M	MP
DX	DXS	DX-Special		H	HW			
●	●	●		●	●		●	●
	●			●	●		●	
				●	●		●	
			●			●		●
	●	●	●					●
		●			●			●
						●		
						●		

8	10	8	40	20	40	80/120	20	200
80	150	120	20	250	320	40	160	80
$\frac{50000}{DN}$	$\frac{55000}{DN}$	Upon inquiry	30	$\frac{50000}{DN*PN}$	$\frac{100000}{DN*PN}$	$\frac{16000/24000}{/36000}$	$\frac{8000}{DN}$	200
10-80	10-200	...150	200	15-100	25-300	3-10	15-100	

D146	D146	D146		D145	D145	D147	D144	D142
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● suitable