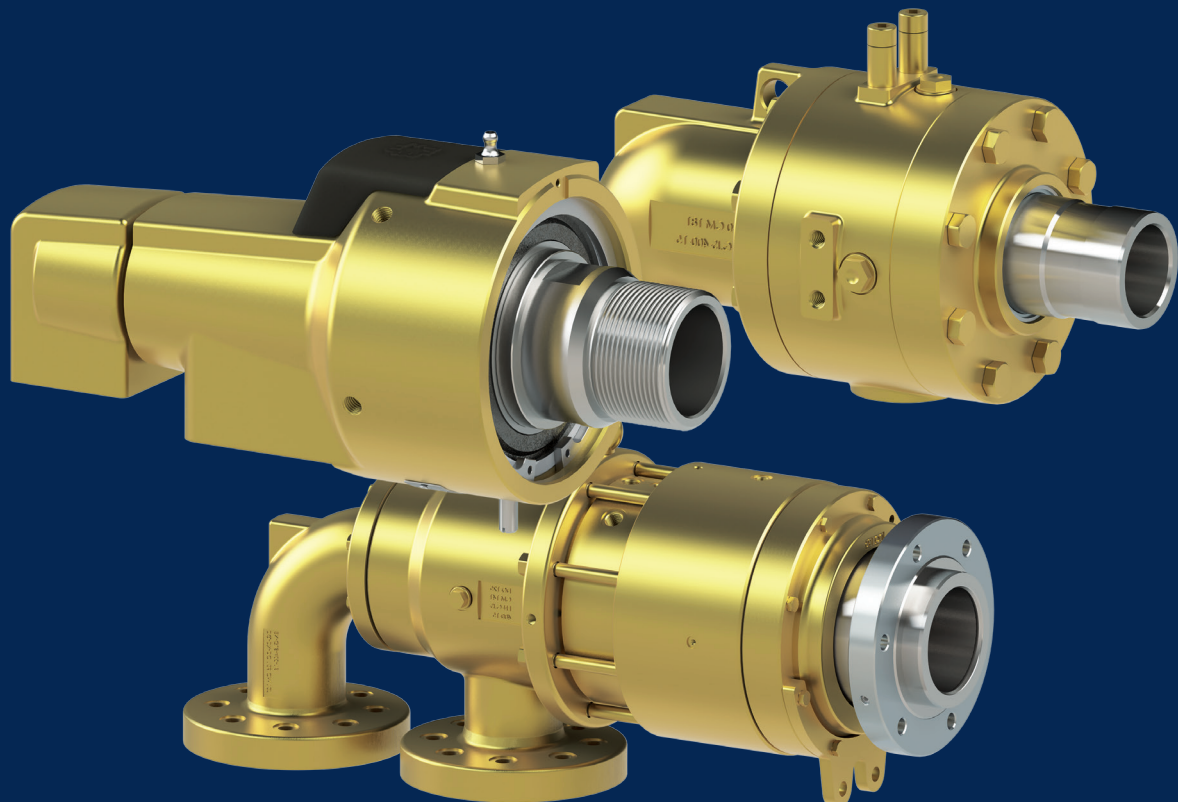


100 Years
maier
GROUP



ROTARY JOINT YOUR GUIDE BOOK

Every Series. Every Application. Your Solution.



maierGROUP. **100**Years a Union for Life.



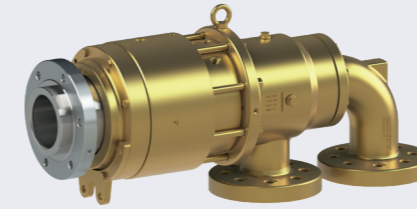
maierGROUP Rotary Joints.

Rotary joints are fittings that connect piping to rotating rollers and units in order to safely transfer media under pressure and temperature.

Discover the advantages, applications, and performance spectrum of **maierGROUP** rotary joints.

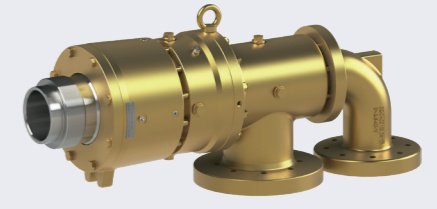
Find the right rotary joint for your needs in just a few clicks with our **maierPRODUCT FINDER**.

DQ



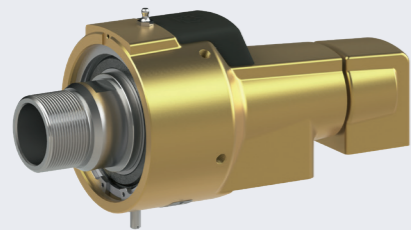
High-performance rotary joint for heat transfer oil up to 300 °C and 2000 rpm, featuring a cooling unit and the DQ system to separate oil from atmospheric oxygen. Ensures longer service life and reliable operation in high-temperature industrial processes.

DC



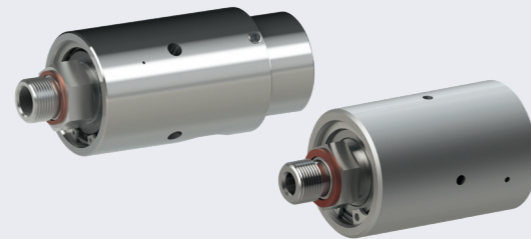
High-performance rotary joint for hot water (up to 250 °C, 40 bar) and steam, with patented cooling system to prevent dry running, suitable for speeds up to 1200 rpm. Ensures long service life and reliable operation in demanding applications such as dryers and laminating systems.

DS



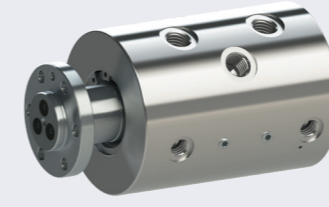
The DS series offers rotary joints for high speeds with low frictional torque, suitable for water, thermal oil, air and technical gases, with optional sensors for process monitoring.

DPN/DP06



The DPN and DP06 series offer compact, maintenance-free rotary unions for water, oil, compressed air, and aggressive media. While the DPN, made of stainless steel with standardized threads, is ideal for hygienic applications, the DP06 impresses with an anodized aluminum housing and flexible connection options.

MP



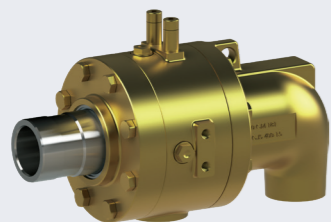
Versatile multi-channel rotary joints with radial shaft seals, stainless steel rotor and optional slip rings for combined media and signal transmission.

DZ



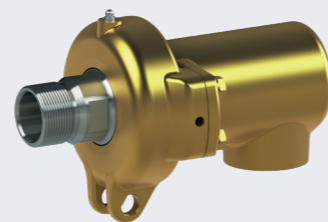
Rotary joints for compressed air. Several channels for different pressures as well as for large and small volumes. Design with special sealing rings and ceramic or hard material counter faces.

H



Robust rotary joints for medium to high pressures and temperatures, maintenance-free, durable and versatile.

M



Robust solution for water and steam, ideal for dirty water. Spheroidal graphite cast iron housing, metal-ceramic coating, teflon-impregnated seal, durable and easy to maintain.

DX



Robust, two-part cast housing, large nominal diameters, compact mechanical seal with optimized mating surface, reliable flange connections, low-maintenance bearings - ideal for demanding hot water applications.

Product Finder

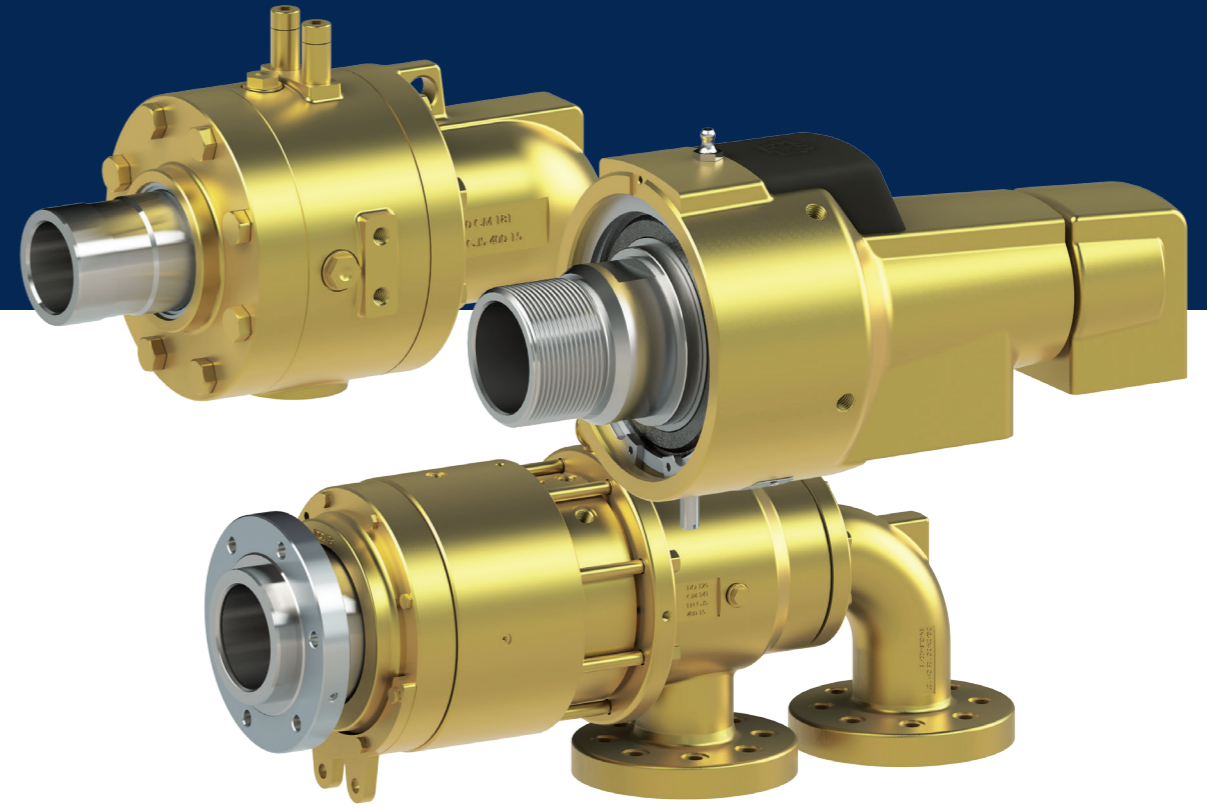


Our Solutions At a Glance.

maierGROUP rotary joints are suitable for cold and hot water; steam up to 250 °C, 40 bar; thermal oil up to 400 °C; hydraulic oil up to 350 bar; compressed air up to 40 bar; chemicals; vacuum; high speeds; and dry run.

The standard series are available in nominal sizes ranging from 3 to 500 mm.

In addition, we offer special solutions for other media and extreme operating conditions.



Series	DS			DP		H		M	DQ			DQ			DC		MP	DZ	DX	
	Water	Thermaloil	Air	DP06	DPN	H	HW		DQL	DQ	DQT	DQTX	DQ5	DC	DCL	DXS			DXSA	
Cooling water	•			•	•	•	•	•								•		•	•	
Hot water	•			•	•	•	•	•						•	•			•	•	
Steam						•	•	•						•						
Cooling lubricant	•			•																
Air			•													•	•			
Vacuum																•	•			
Hydraulic oil				•												•				
Thermal oil		•						•	•	•	•	•								

Operating Conditions																			
PN max (bar)	10	10	10	10	10	20	28	20	10	10	10	13	10	40	16	350	40	8	16
T max (°C)	140	160	50	120	90	220	300	160	250	300	350	400	300	250	180	160	20	150	160
Speed max...min ⁻¹	$\frac{55.000}{DN}$	$\frac{55.000}{DN}$	$\frac{14.000}{DN}$	$\frac{55.000}{DN}$	$\frac{55.000}{DN}$	$\frac{50.000}{DN \times PN}$	$\frac{150.000}{DN \times PN}$	$\frac{16.000}{DN}$	$\frac{55.000}{DN}$	$\frac{100.000}{DN \times PN}$	$\frac{100.000}{DN \times PN}$	$\frac{100.000}{DN \times PN}$	$\frac{130.000}{DN \times PN}$	$\frac{1.000.000}{(DN \times PN)}$	$\frac{1.000.000}{(DN \times PN)}$	6000	On Request	$\frac{55.000}{DN}$	On Request
DN (mm) min...max	10 – 80	10 – 80	10 – 80	6	10 – 50	15 – 100	15 – 300	15 – 100	25 – 150	25 – 200	25 – 150	25 – 150	25 – 200	32 – 100	32 – 150	3 – 65	200	100 – 200	...150

About Products 

maierCONNECT

Boost Efficiency. Maximize Safety.
Minimize Downtime.

Maximum operational security

Your partner for comprehensive service.

	DS	H	DXS	MP	DQB	DQLB
Sense P/T	•	•	•	•	•	•
Sense W	•	•				
Sense L	•		•	•		•
Sense S	•	•	•	•		
Sense M	<DN50		•		•	•

Our mission is clear: We keep your operations running – efficiently, reliably, and sustainably. Successful plant operation requires more than just excellent products. With a team of highly qualified service technicians and a comprehensive range of services, we offer solutions that make the difference.

PREMIUM SERVICE OVER THE ENTIRE PRODUCT LIFE CYCLE



The Sense P/T helps detect process issues early, avoid unplanned downtime, and maximize the efficiency and lifespan of your equipment – resulting in lower operating costs and greater production reliability.

The Sense W reduces unplanned downtime, optimizes maintenance intervals, and extends the operating time of your equipment – for maximum availability and lower maintenance costs.

The Sense L prevents costly equipment damage, reduces maintenance costs, and enhances operational safety – leading to fewer downtimes and maximum efficiency.

The Sense S enables monitoring of slip on non-driven rollers, ensuring consistent product quality and preventing waste – for higher efficiency and lower production costs.

The Sense M prevents costly consequential damages, reduces unplanned downtime, and extends the service life of your equipment – for maximum operational safety and lower maintenance costs.



From on-site installation to the maintenance of rotary joints, from training sessions to monitoring with sensor technology – our service ensures that downtime becomes a thing of the past. Tailored solutions, fully customized to your needs.

The result? **Maximum operational** reliability, reduced downtime, and, above all, sustainable cost savings.

Security with Guarantee!

You receive a one-year warranty on all our repairs and maintenance services.

About Sensors



About Service





Rooted in Heidenheim At Home all over the World.

Subsidiaries in the USA, in Mexico, Italy, China, and Singapore as well as a strong network of more than 50 distributors and sales partners all around the world guarantee an international presence with quick-turn spare parts supply in all important industrial countries. Authorised service centres in the USA, Italy and China carry out repairs on site.

About Partners



maierGROUP. **100**Years a Union for Life.

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