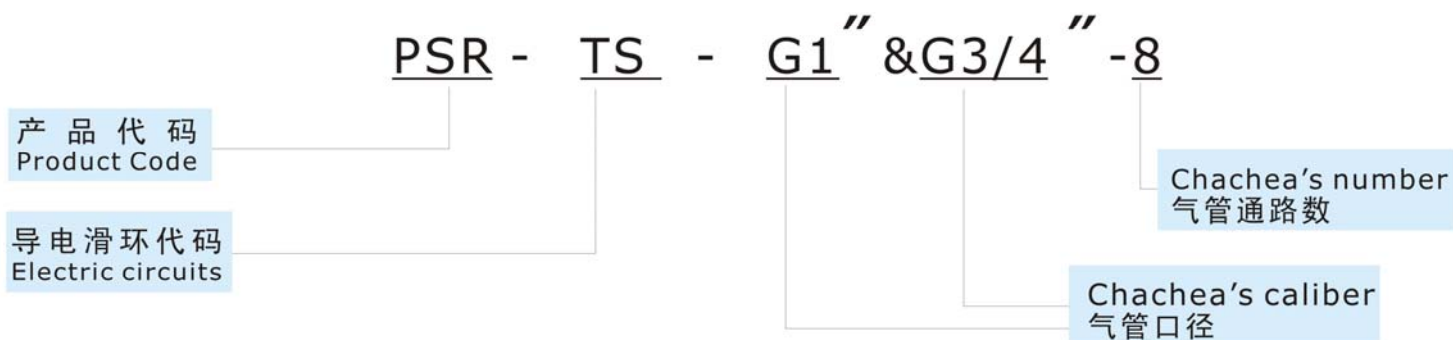


我公司研发的电（液）气组合式滑环可为旋转机构提供安全可靠多通路的电源、信号、流体介质等的混合传输。电源模块最大可支持500A/路， 液压模块最大可支持100MPa的正压力与-10MPa的负压力， 可根据客户要求任意搭配气路与电路通道， 360°自由旋转,能够满足工作转台、汽车生产线、大型风力发电机与其他定制旋转机构的工作要求。

The MR and MRS (stainless steel) Series multiple passage rotary unions / rotating joints are available in 2, 3, 4, 6, 8, 10 & 12 passage models. Modified or specialized configurations are also available. All MR and MRS Series rotary unions / rotating joints are suitable for vacuum & bidirectional pressures up to 7500 psi. All passages are individually sealed to allow use with dissimilar medias.

编码简示 conding meanings



电滑环及液压滑环特性 Feature

独特接触设计提供更长寿命及免维护稳定运转（无需润滑剂）

Fiber brush technology provides maintenance free operation (no cleaning or lubrication required)

模块化设计，满足更高电流，转速，外形等需求

Module design; Meet the most of requirement

多样化外形，支持更多安装要求,高防护等级:防油、防尘、防潮;

More install method for option

支持数字信号，模拟信号,以太网信号,电源等混合传输;

Can combine signal and power in same slip ring

支持液、气体等多介质通道传输，最大支持300bar液压压力

Available for oil, water, gas, the Max pressure up to 300 Bar



All MR Series rotary unions are available in stainless steel (MRS) see MRS Examples



2 Passage



3 Passage



4 Passage



6 Passage



8 Passage



10 Passage



12 Passage

Specifications

PART #	# OF PASSAGES	THRU BORE	OVERALL DIAMETER	OVERALL LENGTH	MIN TORQUE*	PASSAGE SIZE	SLIP RING OPTION
	通路	中心通孔	外径	长度	扭矩	管口径	
MR-120	2	---	2.437	3.347	5	0.125	--
MR-121	2	0.500	2.937	3.637	10	0.125	
MR-220	2	---	2.937	4.374	30	0.250	--
MR-221	2	0.750	3.750	4.773	45	0.250	
MR-320	2	---	3.187	4.706	25	0.375	--
MR-321	2	0.750	4.187	5.312	40	0.375	
MR-420	2	---	3.875	5.392	40	0.500	--
MR-421	2	0.750	4.937	6.220	55	0.500	
MR-130	3	---	2.687	4.147	12	0.125	--
MR-131	3	0.500	2.937	4.186	14	0.125	
MR-230	3	---	3.187	5.290	45	0.250	--
MR-231	3	0.750	3.750	5.601	50	0.250	

PART #	# OF	THRU	OVERALL	OVERALL	MIN	PASSAGE	SLIP RING OPTION
	PASSAGES	BORE	DIAMETER	LENGTH	TORQUE*	SIZE	
	通路	中心通孔	外径	长度	扭矩	管口径	
MR-330	3	---	3.875	6.030	50	0.375	---
MR-331	3	0.750	4.187	6.342	65	0.375	
MR-430	3	---	4.250	7.061	55	0.500	---
MR-431	3	0.750	4.937	7.406	60	0.500	
MR-140	4	---	2.687	4.696	15	0.125	---
MR-141	4	0.500	2.937	4.735	20	0.125	
MR-240	4	---	3.187	6.118	55	0.250	---
MR-241	4	0.750	3.750	6.327	65	0.250	
MR-340	4	---	3.875	6.980	75	0.375	---
MR-341	4	0.750	4.187	7.372	80	0.375	
MR-440	4	---	4.250	8.247	70	0.500	---
MR-441	4	0.750	4.937	8.592	75	0.500	
MR-161	6	0.625	3.187	6.483	50	0.125	
MR-261	6	0.750	4.000	8.175	70	0.250	
MR-361	6	0.750	4.250	8.963	140	0.375	
MR-460	6	---	4.937	10.000	300	0.500	
MR-180	8	---	3.437	7.488	80	0.125	
MR-280	8	---	4.250	9.609	120	0.250	
MR-380	8	---	4.937	10.000	165	0.375	
MR-480	8	---	5.625	10.000	400	0.500	
MR-201-10	10	0.750	3.687	10.000	130	0.250	
MR-301-10	10	0.750	3.937	10.000	145	0.375	
MR-201-12	12	0.750	3.687	10.000	200	0.250	
MR-301-12	12	0.750	3.937	10.000	220	0.375	

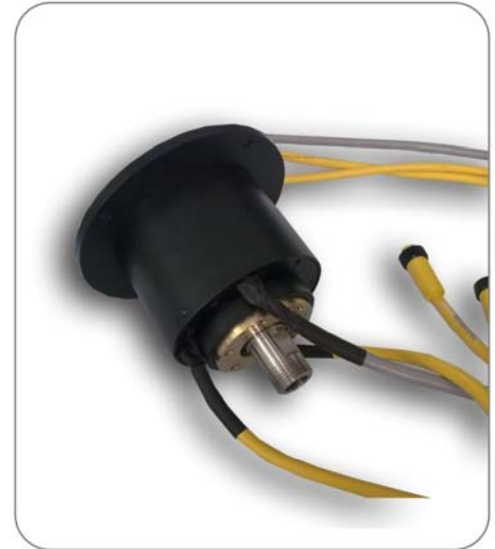
○ 应型应用 Typical Application

制药机械 灌装设备
pharmaceutical equipments

工作、测试转台
Work/ testing Table;

汽车焊接生产
Robot Hands for Welding

风力发电机
Wind Turbine;



○ Operating info

Max. Pressure	7500 PSI (515 BAR)
Max. Vacuum	30 HG
Max. Rotational Speed	up to 850 RPM
Max. Temperature	350 degrees F (176 C)

○ 可选项 Options

Standard Passage Sizes 1/8", 1/4", 3/8", 1/2". Other sizes available upon request.

Connection Threads NPT threads standard. SAE, BSPP, NPTF, and other thread options are available

Plating and Coatings Black oxide plating is standard. Anodized, E-Nickel, Chrome, Nitride, Ceramic and other specialty platings are available.

Materials Carbon steel is the standard material for the MR Series. Stainless Steel, Aluminum, Brass, and other materials are available on a custom basis.

Mounting Options The MR series unions have a unique shaft configuration that consists of individual female tapped passages with an o-ring gland around each for optional flange mounting. There are also tapped holes on the end of the housing for mounting the assembly.

Slip Ring Options The MR Series unions are available with a number of Pan Link slip ring options for power, signal and data transfer. The assembly is available with an aluminum cover to protect the slip ring during use in demanding environments.