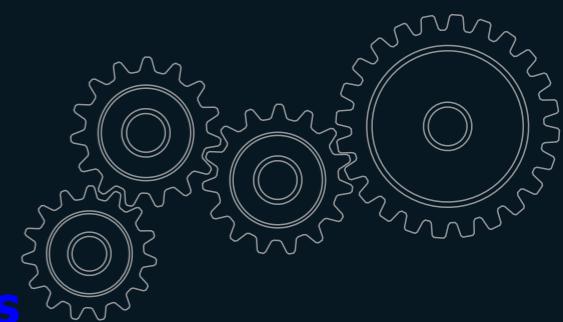


联轴器 | Couplings



价值源于核心技术

From Premium Technology
Comes
Exceptional Quality





联轴器

Couplings

曲面齿联轴器
Curved-tooth Gear Coupling

41-43

REACH梅花形弹性爪联轴器
REACH Jaw Coupling

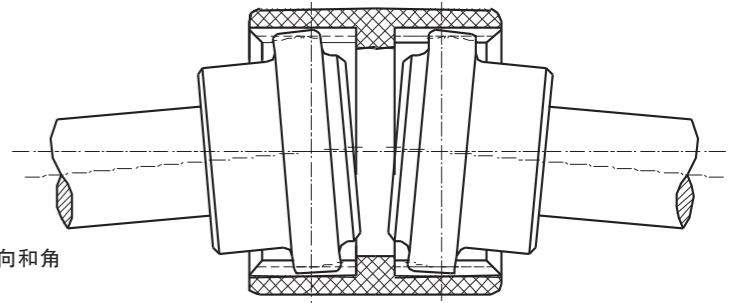
44-62

REACH膜片式联轴器
REACH Diaphragm Coupling

63-71

RGF系列 RGF Series REACH曲面齿联轴器 REACH Curved-tooth Coupling

概述 Summarize



REACH联轴器是用于柔性传动,在轴向、径向和角向有很强的纠偏能力。

由于双曲面齿的结构能有效地避免因角向和径向偏差造成局部应力集中的现象,因而REACH联轴器几乎不会产生磨损.

直齿联轴器在有安装误差的情况下,齿接触表面易生应力集中现象,加快了磨损.

双曲面齿联轴器在发生角向、径向安装偏差时,较大的齿接触面而避免了应力集中.

钢质轴套和尼龙套的材料配合保证了在连续传动中齿接触面之间的摩擦力非常小,不用维护.

由于REACH联轴器是双节式结构,角向和径向误差产生的应力可以忽略,角速度不会出现周期性波动.

REACH联轴器可以适用于水平和垂直安装,不需要任何特殊工具.

REACH Couplings are perfect for flexible transmission and good at correcting axial, radial and angular misalignments. The double curved-tooth avoid concentrated partial stress effectively generated by angular and radial misalignments. With this function, REACH's couplings hardly generate wear. If the straight-tooth coupling is installed in error, the stress might be concentrated in the tooth-contacted surface and hereby speed up the wear.

Double curved tooth couplings avoid stress concentration upon the larger tooth-contacted surface while an angular and radial installation deviation occurs.

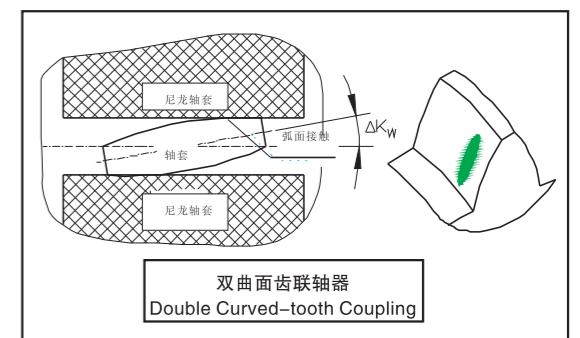
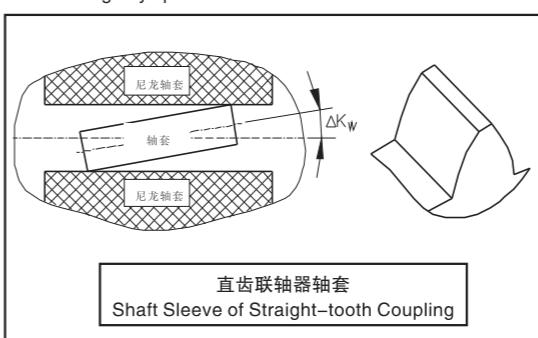
The steel shaft sleeve combines with nylon sleeve to achieve pretty small friction between tooth-contacted surface in continual transmission and hereby without any maintenance. REACH coupling is designed in double-section structure. The stress generated by angular and radial deviation can be neglected and, there would be no periodical fluctuation in angular velocity. REACH coupling can be installed horizontally and vertically without using any special tool.

尼龙齿套具有以下特性:

- 很好的机械性能
- 刚度高
- 耐高温 (+100°C)
- 低温不脆化
- 良好的滑动, 摩擦特性
- 良好的电绝缘特性
- 耐化学腐蚀
- 加工精度高
- REACH尼龙齿套的耐磨性能:
尼龙复合材料(晶体结构)外表光滑、坚硬,有韧性, 具有高热稳定性,并且可以耐润滑油剂、燃料、液压油、溶剂等腐蚀.是生产联轴器的理想材料.金属部件间在无润滑相互运动时会相互磨损,而光滑的尼龙和钢之间即使没有润滑和维护也不会磨损。

Characters of Nylon-sleeve

- Excellent mechanical property
- High stiffness
- High temperature resistance (+100°C)
- No brittleness at low temperature
- Excellent sliding and friction property
- Excellent electrical insulation
- Chemical corrosion resistance
- High machining precision
- Wear-resistance of REACH Nylon-gear Sleeve
Nylon composite material (crystal structure) is an ideal material of coupling and characterized in smooth appearance, hard, tough and high heat-stability. Further, it is resistant to the corrosion generated by lubricant, fuel, hydraulic fluid and solvents, etc. When the metal parts move without any lubricant, the wear occurs between each



ADEPTRANS CADENAS Y TRANSMISIONES



42~43 REACH
MACHINERY ENTERPRISE

 From 价值源于核心技术
Core Technology comes
Exceptional Value

RGF系列 RGF Series REACH曲面齿联轴器 REACH Curved-tooth Coupling

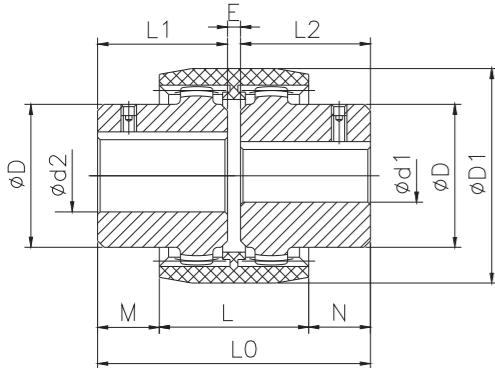


产品特点

- 双节式曲面齿联轴器
 - 广泛应用于各种机械和液压领域
 - 尼龙和钢的材料配合,免维护
 - 可以补偿轴向、径向、角向误差
 - 轴向插入装配, 非常方便
 - 成品孔径公差按照ISO标准为H7,键槽宽公差按照标准DIN6885/1 为JS9, 另有锥孔和英制孔
 - 安装尺寸见下表:

Characters

- Double-section curved-tooth coupling
 - Widely used in various mechanical & hydraulic fields
 - Nylon-steel combined, maintenance-free
 - Compensate for axial, radial and angular misalignments
 - Convenient axial plugging assembly
 - Finished product's bore tolerance conforms to ISO H7, keyway width tolerance conforms to DIN6885/1 JS9. In addition the coupling provides taper bore and inch bore.
 - For installation dimensions, please refer to the following table



安装尺寸表 (mm)

型号 Model		成品孔 Finished bore d1,d2		尺寸 Dimensions (mm)								最大孔径时 联轴器重量 Coupling Weight with Max. Aperture		额定扭矩 Rated Torque	
普通型 General	加长型 Lengthened	预制孔 Pre-machined Bore	最大孔径 Max. Aperture	I1,I2	L0	L	M,N	E	加长轴 套l1,l2 max	D1	D	尼龙套 重量kg Weight of Nylon-sleeve	总重 kg Total Weight	N.m	
RGF-14	RGF-14-L	— —	成品孔可按客户要求制作 Customers could order finished bores.	14	23	50	37	6.5	4	40	40	24	0.02	0.14	10
RGF-19	RGF-19-L	— —		19	25	54	37	8.5	4	40	48	30	0.03	0.21	16
RGF-24	RGF-24-L	— —		24	26	56	41	7.5	4	50	52	36	0.04	0.25	20
RGF-28	RGF-28-L	— —		28	40	84	46	19	4	55	66	44	0.07	0.62	45
RGF-32	RGF-32-L	— —		32	40	84	48	18	4	55	76	50	0.09	0.83	60
RGF-38	RGF-38-L			38	40	84	48	18	4	60	83	58	0.11	1.04	80
RGF-42	RGF-42-L			42	42	88	50	19	4	60	92	65	0.14	1.41	100
RGF-48	RGF-48-L			48	50	104	50	27	4	60	95	67	0.16	1.43	140
RGF-55	RGF-55-L			55	52	108	58	25	4	65	114	82	0.26	2.50	240
RGF-65	RGF-65-L			65	55	114	68	23	4	70	132	95	0.39	3.58	380

RGF系列 RGF Series REACH曲面齿联轴器 REACH Curved-tooth Coupling

安装尺寸表 (mm) Installation Dimensions (mm)

型 号 Model	成 品 孔 d1,d2 Finished Bores d1,d2			尺 寸 (mm) Dimensions (mm)								最大孔径时 联轴器重量 Coupling Weight with Maximum Bore		额定扭矩 Rated Torque
	预 制 孔 Pre-machined Bore		最 大 孔 径 Maxi m um Aperture	I1,I2	L0	L	M,N	E	加长轴套H, I1 max Lengthened Shaft Sleeve H, I1 max	D1	D	尼龙套 重量kg Weight of Nylon sleeve	总重kg Total Weight	
RGF-□ □														
80	25	成品孔 可按客 户要求 制作	80	90	186	93	46.5	6	-	175	124	0.91	10.93	700
100	35	Customers could order finished bores	100	110	228	102	63	8	-	210	152	1.36	19.47	1200
125	45		125	140	290	134	78	10	-	270	192	2.97	40.73	2500

可选择孔径尺寸表 (mm)

订货示例 Order Example

REACH RGF-28	d1, φ 25	d2, φ 28
联轴器型号 和规格 Model and Size of Coupling	成品孔径DIN6885 Aperture of Finished Products DIN6885 (键宽公差JS9 Tolerance of Key Width Js9))	成品孔径DIN6885 Aperture of Finished Products DIN6885 (键宽公差JS9 Tolerance of Key Width Js9))



RGE系列 RGE Series

REACH标准梅花形弹性体联轴器
REACH Standard Jaw Coupling



瑞迪爪式联轴器具有结构尺寸小、重量轻、传递扭矩高的特点，能有效改善机械的运行质量和稳定性，瑞迪爪式联轴器能使传动时的振动得到缓冲，并吸收由动力机的不均匀运转而产生的冲击。

瑞迪爪式联轴器是扭向弹性联轴器，有失效保护功能，能有效地阻尼和减少运行过程中所产生的振动和冲击，能有效地纠正轴向、径向和角向的安装偏差。弹性体的鼓形瓣能避免应力集中。

一般的弹性联轴器中间的弹性体承受弯曲力和压力，易磨损，而瑞迪爪式联轴器的弹性体仅受压力，因此能承受更大的负荷。任何规格的爪式联轴器的最大扭转角均能达到5°。既可水平安装，也可立式安装。

REACH Claw Couplings are characterized by small dimension, low weight yet transmit high torques and, the running quality and stability of the machines are thereby improved effectively. The coupling is ideal for transmitting torque while damping the vibrations and absorbing shocks generated by the uneven operation of power machines.

REACH Claw Couplings are torsionally flexible products with failure-protection function. This could dampen and reduce the operational vibrations and shocks efficiently. The Couplings also compensate for axial, radial and angular displacements in the installation process. Plus, the concave claws are used to prevent the elastomer parts from being stress-concentrated.

The elastomer parts of general flexible couplings are subject to bending stress and wear. Instead of this, REACH Claw Couplings are only subject to pressure. This allows that the elastomer parts being able to accept higher loads. The maximum torsional angle of any size couplings is upto 5°. They can be fitted both horizontally and vertically.

44~45REACH

MACHINERY ENTERPRISE
From 价值源于核心技术
Core Technology comes
Exceptional Value

RGE系列 RGE Series

REACH标准梅花形弹性体联轴器
REACH Standard Jaw Coupling

标准弹性体硬度92 SH A

- 适合所有材质的轴套
- 应用于各种一般机械传动和液压设备传动
- 良好的动态特性
- 良好的电绝缘性
- 工作温度：-40°C ~ +80°C

Standard elastomer hardness 92 SH A

Applicable for the shaft sleeve made of various materials
Applicable for various mechanical transmission and hydraulic equipments
Good dynamic properties
Good electric insulation
Working temperature: -40°C ~ +80°C



弹性体硬度95/98 SH A

- 适合与材质为钢、铸铁、球墨铸铁的轴套配套
- 传递较高的扭矩，阻尼性能较好
- 良好的电绝缘性
- 工作温度：-30°C ~ +90°C

Elastomer hardness is 95/98 SH A

Applicable for the hubs that made of iron, cast iron and ductile iron
Transmit higher torque by damping property
Good electric insulation
Working temperature: -30°C ~ +90°C



弹性体硬度64 SH D-F

- 适合与材质为钢、球墨铸铁的轴套配套
- 传递的扭矩是弹性体92 SH A的2倍
- 较小的扭转角
- 良好的电绝缘性
- 适合临界转速传动
- 工作温度：-30°C ~ +110°C
- 耐水解

Elastomer hardness 64 SH D-F

Applicable for the hubs that made of iron and ductile iron
Transmit torque is two times of elastomer 92 SH A
Smaller torsional angle
Good electric insulation
Applicable for critical rotary speed transmission
Working temperature: -30°C ~ +110°C
Hydrolysis resistance



弹性体硬度 Elastomer Hardness	颜色 Color	材质 Materials	允许温度范围 (°C) Temperature Range (°C)		供货规格 Sizes	应用范围 Application
			连续 Continuous	瞬间 Short Time		
92 SH A	黄色 Yellow	聚氨酯 Polyurethane	-40 ~ +80	-50 ~ +120	GR.19 ~ 90	一般机械的传动和液压传动 For general engineering and hydraulics
95/98 SH A	红色 Red	聚氨酯 Polyurethane	-30 ~ +90	-40 ~ +120	GR.19 ~ 90	高负载的传动，吸振性能好 High torque transmission and good damping properties
64 SH D-F	绿色 Green	聚氨酯 Polyurethane	-30 ~ +110	-30 ~ +130	GR.19 ~ 90	发动机高温环境、高湿度环境、耐水解 High temperatures of engine, high air moisture and hydrolysis resistance

ADEPTRANS CADENAS Y TRANSMISIONES



RGE标准系列 RGE Standard Series

REACH标准梅花形弹性体联轴器 REACH Standard Jaw Coupling

产品特点

- 广泛应用于各种机械和液压领域
 - 工程塑料聚氨脂和钢的材料配合,免维护
 - 可以补偿两轴向相对偏移、缓冲、减振
 - 具有良好的电绝缘性
 - 轴向插入装配,非常方便
 - 成品孔径公差按照ISO标准为H7,键槽宽按照标准DIN6885/1
公差为JS9,另有锥孔和英制孔

Characteristics:

- Applicable to various mechanical and hydraulic areas
- Maintenance-free by combining polyurethane and steel
- Compensate for relative offset, buffer and damp vibrations
- Good electric insulation
- Convenient axial plug-in assembly
- Finish bore according to ISO fit H7, width of keyway according DIN 6885/1 sheet1–JS9. There are also taper bore and inch b



基本参数： Basic Parameters:

型号 Model RGE-□□	92 SH A				98 SH A 直径65以上 95 SH A 98 SHA 95 SHA for Diameters from 65				64 SH D				最高转速 r/min Max. Rotation Speed r/min
	扭矩N.m Torque N.m		阻尼功率 (W) +30° CP Damping Power	扭 转角 Tkmax Torsion Angle	扭矩N.m Torque N.m		阻尼功率 (W) +30° CP Damping Power	扭 转角 Tkmax Torsion Angle	扭矩N.m Torque N.m		阻尼功率 (W) +30° CP Damping Power	扭 转角 Tkmax Torsion Angle	
	最大T Max. T kmax	交变 Tkw Alternation			最大T Max. T kmax	交变 Tkw Alternation			最大T Max. T kmax	交变 Tkw Alternation			
14	15	2.0	—	10°	25	3.3	—	10°	32	4.2	9.0	7°	19000
19	20	2.6	4.8	5°	34	4.4	4.8	5°	42	5.5	7.2	3.6°	19000
24	70	9.1	6.6		120	16	6.6		150	19.5	9.9		14000
28	190	25	8.4		320	42	8.4		400	52	12.6		11800
38	380	49	10.2		650	85	10.2		810	105	15.3		9500
42	530	69	12		900	117	12		1120	146	18.0		8000
48	620	81	13.8		1050	137	13.8		1310	170	20.7		7100
55	820	107	15.6		1370	178	15.6		1650	215	23.4		6300
65	1250	163	18		1880	244	18		2350	306	27.0		5600
75	2560	333	21.6		3840	499	21.6		4800	624	32.4		4750
90	4800	624	30		7200	936	30		9000	1170	45.0		3750
100	6600	858	36		9900	1287	36		12370	1608	54.0		3350
110	9600	1248	42		14400	1872	42		18000	2340	63.0		3000
125	13300	1729	48		20000	2600	48		25000	3250	72.0		2650
140	17100	2223	54.6		25600	3328	54.6		32000	4160	81.9		2360
160	25600	3328	75		38400	4992	75		48000	6240	112.5		2000
180	37300	4849	78		56000	7280	78		70000	9100	117.0		1800

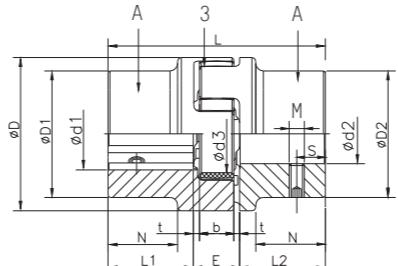
RGE标准系列 RGE Standard Series

46~47 REACH
MACHINERY ENTERPRISE

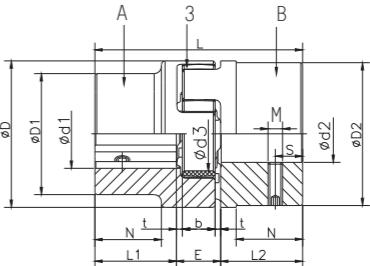


From 价值源于核心技术
Core Technology comes
Exceptional Value

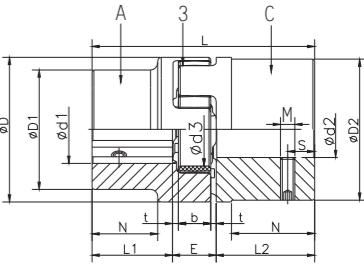
REACH标准梅花形弹性体联轴器 REACH Standard Jaw Coupling



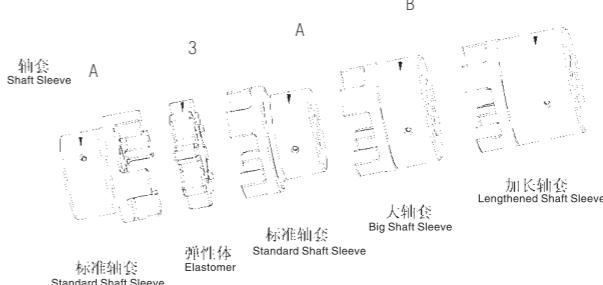
标准型
Standard Type



标准加大型
Standard Oversized Type



BZ加长型
BZ Lengthen Type



标准轴套 Standard Shaft Sleeve
弹性体 Elastomer

ADEPTRANS CADENAS Y TRANSMISIONES



RGE系列 RGE Series

REACH梅花形弹性体联轴器
REACH Jaw Coupling

铝件 Aluminum Parts	部件 Part	弹性体 额定力矩 Rated Torque of Elastomer (Nm)			基本参数 Basic Parameters(mm)												
		成品孔 Finish Bore d			总体尺寸 General Dimensions								固定螺丝 Fixed Screw				
型号 Size RGE-□□		92 SHA	98 SHA	64 SHD	d(min- max)	L	L1.L2	E	b	t	D	D1;D2	N	d3	M	S	T (Nm)
9	B	3	5		7-9	24	7	10	8	1	20	20		M2.5	3.5	0.76	
14	B	7.5	12.5		6-16	35	11	13	10	1.5	30	30		10	M4	5	1.5
19	A	10	17		6-19	66	25	16	12	2	40	32	21	18	M5	10	2
	B				19-24							40					
24	A	35	60		9-24	78	30	18	14	2	55	40	24	27	M5	10	2
	B				22-28							55					
28	A	95	160		10-28	90	35	20	15	2.5	65	48	28	30	M8	15	10
	B				28-38							65					
38	A	190	325	405	12-48	114	45	24	18	3	80	66	37	38	M8	15	10
	B				38-45							79					
42	A	265	450	560	14-42	126	50	26	20	3	95	75	40	46	M8	20	10
	B				42-55							94					
48	A	310	525	655	15-48	140	56	28	21	3.5	105	85	45	51	M8	20	10
	B				48-60							102					
55	A	410	685	825	20-55	160	65	30	22	4	120	98	52	60	M10	20	17
	B				55-70							118					

铸件 Casting Parts	部件 Part	弹性体 额定力矩 Rated Torque of Elastomer (Nm)			基本参数 Basic Parameters(mm)												
		成品孔 Finish Bore d			总体尺寸 General Dimensions								固定螺丝 Fixed Screw				
型号 Size RGE-□□		92 SHA	98 SHA	64 SHD	d(min- max)	L	L1.L2	E	b	t	D	D1;D2	N	d3	M	S	T (Nm)
19	A	10	17	21	0-25	66	25	16	12	2	40	32	21	18	M5	10	2
	B											39					
24	A	35	60	75	0-35	78	30	18	14	2	55	40	24	27	M5	10	2
	B											54					
28	A	95	160	200	0-40	90	35	20	15	2.5	65	48	28	30	M8	15	10
	B											64					
38	A	190	325	405	0-48	114	45	24	18	3	80	66	37	38	M8	15	10
	B											78					
42	A	265	450	560	0-55	126	50	26	20	3	95	75	40	46	M8	20	10
	B											94					
48	A	310	525	655	0-62	140	56	28	21	3.5	105	85	45	51	M8	20	10
	B											104					
55	A	410	685	825	0-74	160	65	30	22	4	120	98	52	60	M10	20	17
	B											118					
65	A	625	940	1175	0-80	185	75	35	26	4.5	135	185	75	35	26	4.5	135
	B											132					
75	A	1280	1920	2400	0-95	210	85	40	30	5	160	210	85	40	30	5	160
	B											158					
90	A	2400	3600	4500	0-110	245	100	45	34	5.5	200	158	81	45	34	5.5	200
	B											196					
100	A	3300	4950	6185	50-115	270	110	50	38	6	225	196	89	113	M12	30	40
110	A	4800	7200	9000	60-125	295	120	55	42	6.5	255	230	96	127	M16	35	80
125	A	6650	10000	12500	60-145	340	140	60	46	7	290	245	112	147	M16	40	80
140	A	8550	12800	16000	60-160	375	155	65	50	7.5	320	255	124	165	M20	45	140

注：订货没指明材料，计算和订货材料就按19到90规格为HT2500，100到140为QT400

Notice: The materials in HT2500 from 19 to 90, QT400 from 100 to 140 will be calculated and ordered without specification for order.

48~49 REACH

From 价值源于核心技术
Core Technology comes
Exceptional Value

RGE系列 RGE Series

REACH梅花形弹性体联轴器
REACH Jaw Coupling

钢件 Steel Parts	部件 Part	弹性体 额定力矩 Rated Torque of Elastomer (Nm)			基本参数 Basic Parameters(mm)												
		成品孔 Finish Bore d			总体尺寸 General Dimensions								固定螺丝 Fixed Screw				
型号 Size RGE-□□		92 SHA	98 SHA	64 SHD	d(min- max)	L	L1.L2	E	b	t	D	D1;D2	N	d3	M	S	T (Nm)
9	B	3	5		7-9	24	7	10	8	1	20	20		M2.5	3.5	0.76	
14	B	7.5	12.5		6-16	35	11	13	10	1.5	30	30		10	M4	5	1.5
19	A	10	17	</													

ADEPTRANS CADENAS Y TRANSMISIONES



RGE-SJ系列 RGE-SJ Series

REACH梅花形弹性体联轴器 双节式
REACH Jaw Coupling Double-Section Type

产品特点

- 可补偿很大的安装偏差
- 三部件双节式结构
- 阻尼振动降低噪音
- 具有良好的电绝缘性
- 偏差引起的回复力很小
- 延长相邻部件(如轴承, 密封等)的工作寿命
- 成品孔径公差按照ISO标准为H7, 键槽宽按照标准DIN6885/1 公差为JS9, 另有锥孔和英制孔

安装尺寸见下表:

Characteristics:

Compensate for large installation deviations

Three-part and double-section structure

Damped vibration to lower the noise

Good electric insulation

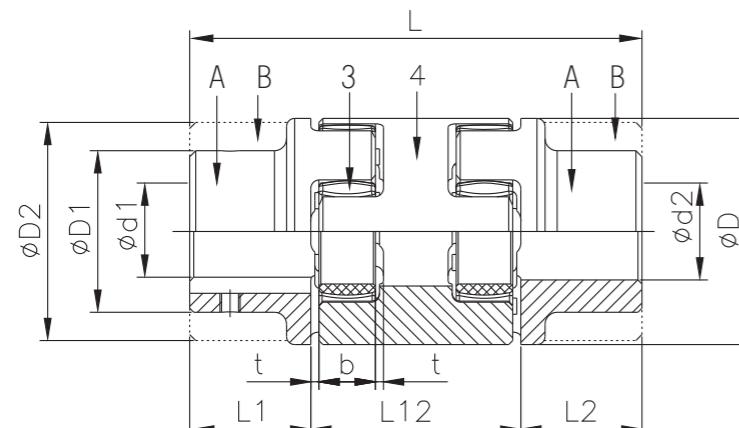
Pretty small restoring forces generated by the deviations

Extend service lives of adjacent parts (e.g. bearings and sealing, etc)

Finish bore acc. to ISO fit H7, keyway width acc. to DIN 6885/1 and the tolerance is JS9.

There are also taper bore and inch bore.

Please refer to the following table for installation dimensions:



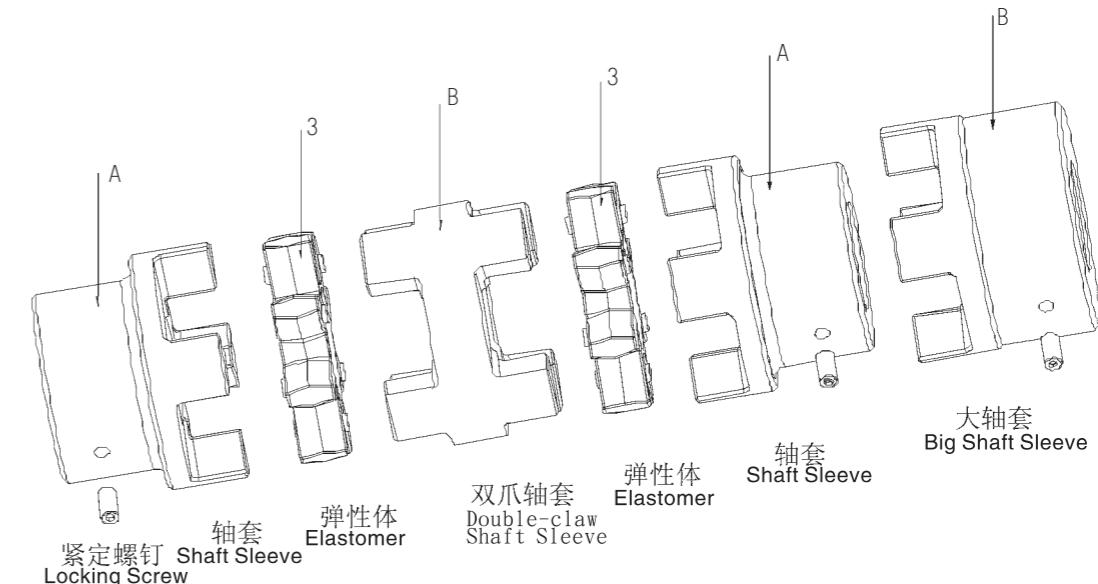
Sj型
SJ Type

50~51 REACH

From value comes
Core Technology Exceptional Value

RGE-SJ系列 RGE-SJ Series

REACH梅花形弹性体联轴器 双节式
REACH Jaw Coupling Double-Section Type



规格Size: RGE-□□-SJ	技术参数 Technical Parameters					外型尺寸 Dimensions								
	弹性体额定力矩 (Nm) Rated Torque of Elastomer (N.m)		n=1500rad/min时的最大容许偏差 Maximum Allowable Deviations while n=1500rad/min											
	92 SHA	98 SHA	径向 Radially	角向 Angular Direction	轴向 (mm) Axially	L	L1;L2	L12	b	t	D	D1	D2	d1,d2
19	10	17	0.45	1°	+1.2/-1.0	92	25	42	12	2	40			
24	35	60	0.59	1°	+1.4/-1.0	112	30	52	14	2	55			
28	95	160	0.66	1°	+1.5/-1.4	128	35	58	15	3	65			
38	190	325	0.77	1°	+1.8/-1.4	158	45	68	18	3	80			
42	265	450	0.84	1°	+2.0/-2.0	174	60	74	20	3	95			
48	310	525	0.91	1°	+2.1/-2.0	192	56	80	21	4	105			
55	410	685	1.01	1°	+2.2/-2.0	218	65	88	22	4	120			
65	625	940	1.17	1°	+2.6/-2.0	252	75	102	26	5	135			
75	1280	1920	1.33	1°	+3.0/-3.0	286	85	116	30	5	160			
90	2400	3600	1.48	1°	+3.4/-3.0	330	100	130	34	6	200			

参照标准型
Referred to Standard Type

Notice:
1.孔径dH7 (键槽DIN6885/1(GB/T1095-79) JS9、
紧定螺钉GB77-85)
2.产品可以自由组合: A+A A+B B+B

选型举例:
Model Selection Example:

RGE-42-SJ	HT250	A+A	SHA	A- C 26	A- C 24
联轴器规格 Size of Coupling	材质 Material	组合体 Combination	弹性体 Spider	部件孔径 Aperature of Part	部件孔径 Aperature of Part

ADEPTRANS CADENAS Y TRANSMISIONES



RGE-FL系列 RGE-FL Series

REACH梅花形弹性体联轴器 法兰型
REACH Jaw Coupling Flange Type

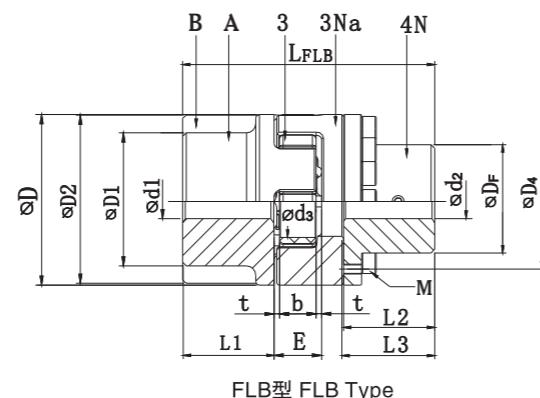
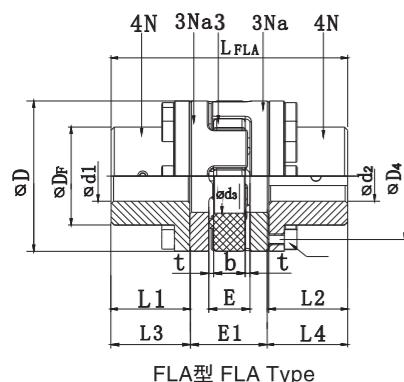
产品特点

- FLA法兰与FLB结构适用于重型机械领域
- 拆下法兰就可径向安装，非常方便
- 对于FLA不移动主动端及从动端设备进行弹性体更换
- 法兰材质：部件4N：钢 部件3Na：铸件GGG-40
- 轴向插入装配，非常方便
- 成品孔径公差按照ISO标准为H7,键槽宽按照标准 DIN6885/1 公差为JS9

安装尺寸见下表：

Characteristics:

FLA and FLB structures are applied in heavy machinery area
Convenient radial mounting after disassembling the flange
Replace the elastomer for FLA without moving driving and driven ends
Materials of Flange: Parts 4N, steel parts 3Na and casting parts GGG-40
Convenient axial insertion
Finish bore acc. to ISO fit H7, keyway width acc. to DIN 6885/1 fit JS9.
Please refer to the following table for installation dimensions:



型号 Model RGE- □-FL	弹性体额定扭矩 Rated Torque of Elastomer(N.m)			部件4N 半成品或 成品孔 Semi-finished or Finished Bore of Part 4N	基本尺寸 Basic Dimensions								连接螺栓 Connecting Bolts					
	92 SHA	98 SHA	64 SHD		D	D _f	D ₄	d ₃	L ₁ ;L ₂	E	E ₁	t	b	L ₃ ;L ₄	L _{FLA}	L _{FLB}	M _x L 数量 Qty	T _A Nm
24	35	60		0-35	55	36	45	27	30	18	33	2	14	30.5	94	86	M5X16 8	10
28	95	160		0-40	65	42	54	30	35	20	39	2.5	15	35.5	110	100	M6X20 8	17
38	190	325	405	0-48	80	52	66	38	45	24	43	3	18	45.5	134	124	M8X22 8	41
42	265	450	560	0-55	95	62	80	46	50	26	48	3	20	51	150	138	M8X25 12	41
48	310	525	655	0-62	105	70	90	51	56	28	50	3.5	21	57	164	152	M8X25 12	41
55	410	685	825	0-74	120	80	102	60	65	30	60	4	22	66	192	176	M10X30 8	83
65	625	940	1175	0-80	135	94	116	68	75	35	65	4.5	26	76	217	201	M10X30 12	83
75	1280	1920	2400	0-95	160	108	136	80	85	40	75	5	30	86.5	248	229	M12X40 15	120
90	2400	3600	4500	0-110	200	142	172	100	100	45	82	5.5	34	101.5	285	265	M16X40 15	295
100	3300	4950	6185	0-115	225	158	195	113	110	50	97	6	38	111.5	320	295	M16X50 15	295
110	4800	7200	9000	0-125	255	178	218	127	120	55	103	6.5	42	122	347	321	M20X50 15	580
125	6650	10000	12500	0-145	290	206	252	147	140	60	116	7	46	142	400	370	M20X60 15	580
140	8550	12800	16000	0-160	320	235	282	165	155	65	128	7.5	50	157.5	443	409	M20X60 15	580

注：TA为连接螺栓拧紧扭矩 Notice: TA is tightening torque of connecting bolts

52~53 REACH
MACHINERY ENTERPRISE

From 价值源于核心技术
Core Technology comes
Exceptional Value

RGE-FL系列 RGE-FL Series

REACH梅花形弹性体联轴器 法兰型
REACH Jaw Coupling Flange Type

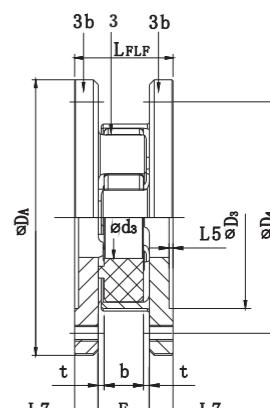
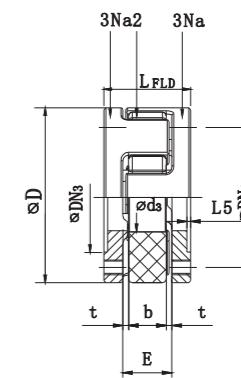
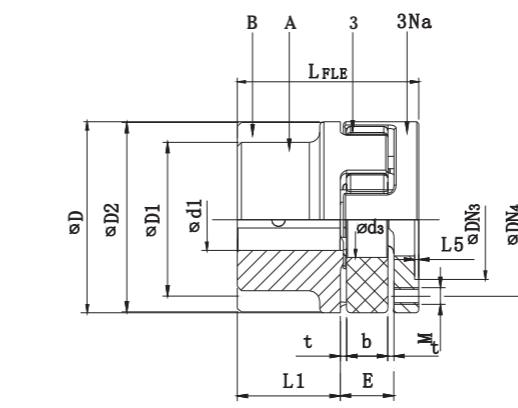
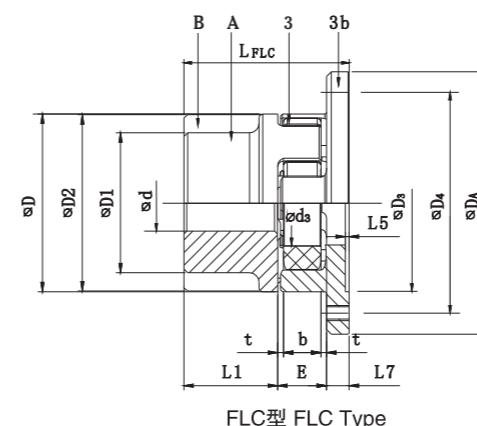
产品特点

- 此系列适用于重型机械的法兰连接
- FLC型与FLE型适用于法兰与轴的连接
- 双法兰结构FLD型与FLE型可以不移动两端设备进行径向安装，可快速更换弹性体
- FLD型与FLE型的外径较小
- FLD型与FLF的轴向安装长度较小
- 法兰材质：部件3b：
- 成品孔径公差按照ISO标准为H7,键槽宽按
- 照标准DIN6885/1 公差为

安装尺寸见下表：

Characteristics:

Appropriate for flange connection in heavy machinery
FLC and FLE are used in connecting flange and shaft
Install the double-flange FLD and FLF radially and replace the
elastomers quickly without moving the equipments at two sides
For FLD and FLE, the outer diameters are relative smaller
For FLD and FLE, the axial mounting lengths are relative smaller
EN-GJS-400-15 (GGG-40) Materials of flanges: parts 3b: EN-GJS-400-15 (GGG-40)
JS9 Finish bore acc. to ISO fit H7, keyway width acc. to DIN 6885/1 and the tolerance is JS9.
Please refer to the following table for installation dimensions:



ADEPTRANS CADENAS Y TRANSMISIONES



54~55REACH

From 价值源于核心技术
Core Technology comes
Exceptional Value

型号 Model RGE- □□-FL	弹性体额定 力矩 (N.m) Rated Torque of Elastomer(N.m)		部件4N半成 品或成品孔 Semi-finished or Finished Bore of Part 4N	基本尺寸 Basic Dimensions								FLD/FLE				螺栓数 量 Bolt Qty	LFLF LFLD	LFLD					
	D	d ₃		L ₁	E	t	b	L ₅	L ₇	D _A	D ₃	D ₄	LFLC	LFLF	DN ₃	DN ₄	M						
FLC/FLD	92	SH A	98	SHA	64	SH D																	
24	35	60		0~35	55	27	30	18	2	14	1.5	8	80	55	65	56	34	36	45	M5	8	56	34
28	95	160		0~40	65	30	35	20	2.5	15	1.5	10	100	65	80	65	40	44	54	M6	8	65	40
38	190	325	405	0~48	80	38	45	24	3	18	1.5	10	115	80	95	79	44	54	66	M8	8	79	44
42	265	450	560	0~55	95	46	50	26	3	20	2	12	140	95	115	88	50	65	80	M8	12	88	50
48	310	525	655	0~62	105	51	56	28	3.5	21	2	12	150	105	125	96	52	75	90	M8	12	96	52
55	410	685	825	0~74	120	60	65	30	4	22	2	16	175	120	145	111	62	84	102	M10	8	111	62
65	625	940	1175	0~80	135	68	75	35	4.5	26	2	16	190	135	160	126	67	96	116	M10	12	126	67
75	1280	1920	2400	0~95	160	80	85	40	5	30	2.5	19	215	160	185	144	78	112	136	M12	15	144	78
90	2400	3600	4500	0~110	200	100	100	45	5.5	34	3	20	260	200	225	165	85	145	172	M16	15	165	85
100	3300	4950	6185	0~115	225	113	110	50	6	38	4	25	285	225	250	185	100	165	195	M16	15	185	100
110	4800	7200	9000	0~125	255	127	120	55	6.5	42	4	26	330	255	290	201	107	180	218	M20	15	201	107
125	6650	10000	12500	0~145	290	147	140	60	7	46	5	30	370	290	325	230	120	215	252	M20	15	230	120
140	8550	12800	16000	0~160	320	165	155	65	7.5	50	5	34	410	320	360	254	133	245	282	M20	15	254	133

注：1、孔径dH7 (键槽DIN6885/1(GB/T1095~79) JS9 、紧定螺钉GB77~85)

Notice: Aperture dH7 (Keyway DIN6885/1(GB/T1095~79) JS9, tightening screw GB77~85)

选型举例：
Model Selection Example:

RGE-42-FLA	98 SH A	4N- c 26	4N- c 24
联轴器规格 Size of Coupling	弹性体 Elastomer	部件 孔径 Aperture of Parts	部件 孔径 Aperture of Parts

RGE-FL系列 RGE-FL Series REACH梅花形弹性体联轴器 制动鼓/制动式
REACH Jaw Coupling Braking-drum/Braking Type



产品特点

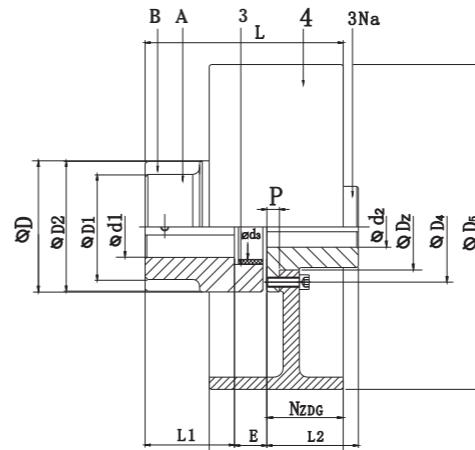
- 带制动鼓的轴联轴器结构
- 适用于两块外部制动鼓抱紧摩擦实现制动的场合
- 带制动盘的联轴器适用于钳式制动器
- 制动鼓或制动盘必须安装在转动惯量最大的轴端
- 最大的制动扭矩不能超过联轴器的最大扭矩
- 成品孔径公差按ISO标准为H7，键槽宽按照标准DIN 6885/1，公差为JS9

安装尺寸见下表。

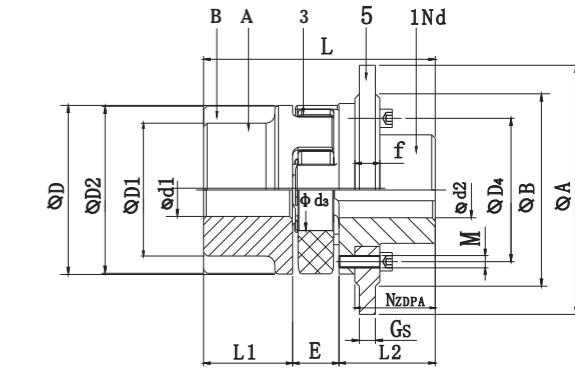
Designed in the structure with braking drums
Used in braking situations achieved by friction generated by two external cohesion braking drums
Couplings with braking disc are appropriate for jaw-vice brakes
The braking drum or braking disc shall be installed at the shaft end with max. moment of inertia
The max. braking torque shall not exceed the max. one of the coupling.
Aperture of Finished Products ISO 7, key width DIN 6885/1 and the tolerance is JS9
For the installation dimensions, please see the following table.

RGE-FL系列 RGE-FL Series

REACH梅花形弹性体联轴器 制动鼓/制动式
REACH Jaw Coupling Braking-drum/Braking Type



ZDG型
ZDG Type



ZDPA型
ZDPA Type

基本参数: Basic Parameters:

型号 KGE-□□- -ZDG/ZDPA	预制孔 Pre-manu factured Bore Φd1 ΦD1 /ΦD2	成品孔 Finished Bore Φd2max		尺寸 Dimensions										16×22.5°	
		Casting Parts GGG	Steel Parts st	D	D _z	D ₄	d ₃	L ₁ :L ₂	E	L	P	N _{ZDPA}	螺栓数 量 Bolts Quantity Z		
38	参见标 准型 Refer to Standard Type	-	34	80	50	66	38	45	24	114	7.5	37.5	8	8×45°	
42		-	42	95	60	80	46	50	26	126	9.5	40.5	12		
48		-	48	105	68	90	51	56	28	140	10.5	45.5	12		
55		-	55	120	78	102	60	65	30	160	12.5	52.5	8	8×45°	
65		-	65	135	92	116	68	75	35	185	13.5	61.5	12	16×22.5°	
75		-	75	160	106	136	80	85	40	210	15.5	69.5	15		
96		-	100	200	140	172	100	100	45	245	18.5	89.5	15		
100				225	156	195	113	110	50	270	20.5	98.5	15		
110				255	176	218	127	120	55	295	23.5	96.5	15		
125				130			290	204	252	147	140	60	340	27.5	112.5

制动鼓 Braking Drum	制动鼓规格NZDG尺寸 Braking drum size NZDG Dimensions												速度 Speed (30m/s)	制动盘 Braking Disc		制动盘规格NZDPA尺寸 Braking drum size NZDPA Dimensions								速度 Speed 30m/s	
	38	42	48	55	65	75	90	100	110	125	A × Gs	B × f		38	42	48	55	65	75	90	100	110	125		
160×60	31												3550	200×12.5	90×15	x									3800
200×75	36	38	39	41					</td																

ADEPTRANS CADENAS Y TRANSMISIONES



RGE-FL系列 RGE-FL Series

REACH梅花形弹性体联轴器 制动鼓/制动式
REACH Jaw Coupling Braking-drum/Braking Type



产品特点

- 带制动盘联轴器与钳式制动器相配
- 制动盘必须安装在转动惯量最大的轴端
- 最大的制动扭矩不能超过联轴器的最大扭矩
- 槽宽 按照标准DIN6885/1 公差为JS9

安装尺寸见下表:

Characteristics:

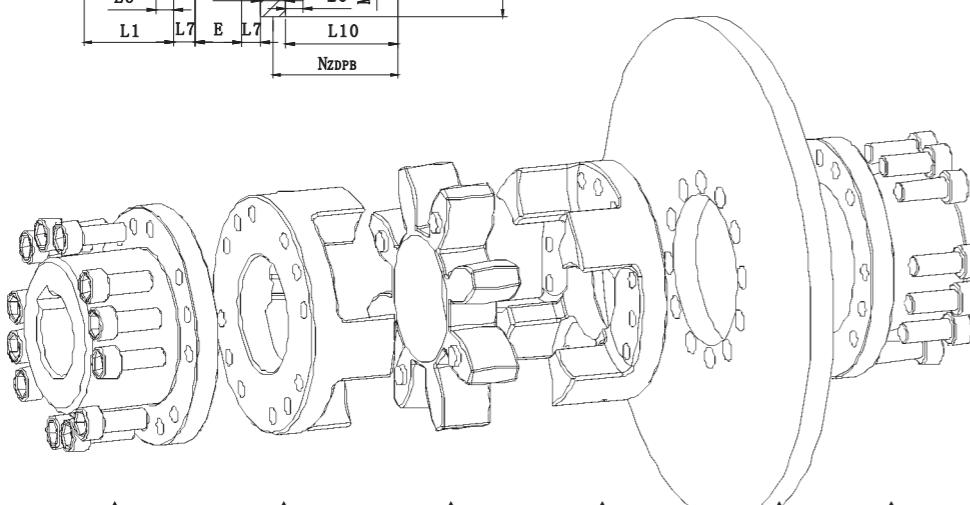
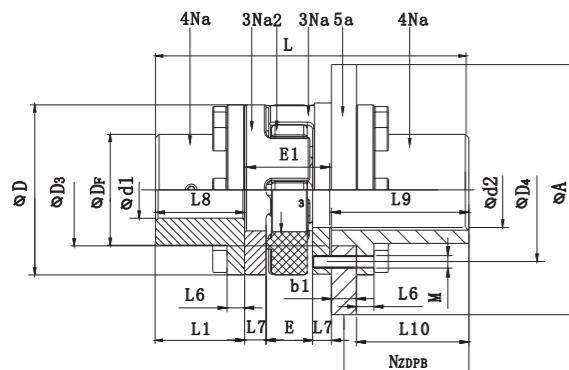
The coupling with braking disc matches the dogging brakes

Please install the braking disc at the shaft end with max. moment of inertia

The max. braking torque shall not larger than the max. torque of the coupling

Keyway width acc. to DIN 6885/1 and the tolerance is JS9.

Please refer to the following table for installation dimensions:



轴套 轴套 法兰爪 弹性体 法兰爪 制动盘 轴套
Shaft sleeve Shaft sleeve Flange Claw Elastomer Flange Claw Baking disc Shaft sleeve

56~57REACH



From 价值源于核心技术
Core Technology comes
Exceptional Value

RGE-FL系列 RGE-FL Series

REACH梅花形弹性体联轴器 制动鼓/制动式
REACH Jaw Coupling Braking-drum/Braking Type

型号 RGE-□□-ZDPB	成品孔 Finished Bore Φd_1		尺寸 Dimensions									
	最小 Min.	最大 Max.	D	d_f	D_3	D_4	d_3	E	E1	M	螺栓数量 Bolts Quantity	周向分布角度 Circumferential Angular Distribution
65	22	65	135	94	96	116	68	35	65	M10	12	16 × 22.5°
75	30	75	160	108	112	136	80	40	75	M12	15	20 × 18°
90	40	100	200	142	145	172	100	45	82	M16	15	
100	46	110	225	158	165	195	113	50	97	M16	15	
110	60	125	255	178	180	218	127	55	103	M20	15	
125	60	145	290	206	215	252	147	60	116	M20	15	
140	60	165	320	235	245	282	165	65	128	M20	15	
160	80	190	370	270	280	325	190	75	146	M24	15	

型号 RGE-□□-ZDPB	95shA弹性体 许用力矩 Permissible Torque of 95 shA Elastomer (Nm)		最大速度 Max. Speed 1/min	最大制动力矩 Max. Braking Torque (Nm)	尺寸 Dimensions (mm)							
	T_{KN}	T_{kmax}			L6	L7	L1	L8	L9	L10	N _{ZDPB}	L
65	940	1880	3450	1880	15	16	112.5	113.5	166	135	150	344.5
75	1920	3840	3250	3840	20	19	131.5	133	166.5	135	150	374.5
90	3600	7200	3000	7200	20	20	164	165.5	206.5	175	190	454
100	4950	9900	2800	9900	25	25	153.5	155	206.5	175	190	458.5
110	7200	14400	2600	14400	25	26	201.5	203.5	212	180	195	518.5
125	10000	20000	2250	20000	30	30	198.5	200.5	212	180	195	528.5
140	12800	15600	1800	25600	30	34	244.5	247	252.5	220	235	627.5
160	19200	38400	1500	38400	34	38	226.5	229	252.5	220	235	627.5
					210	230				210	230	

型号 RGE-□□-ZDPB	制动盘规格Braking Disc Size										
	355 × 30	400 × 30	450 × 30	500 × 30	560 × 30	630 × 30	800 × 30	900 × 30	900 × 40	355 × 30	1000 × 40
65	×	×	×								
75		×	×	×							
90		×	×	×	×						
100				×	×	×					
110				×	×	×	×	×			
125						×	×	×			
140						×	×	×	×	×	
160						×	×	×	×	×	

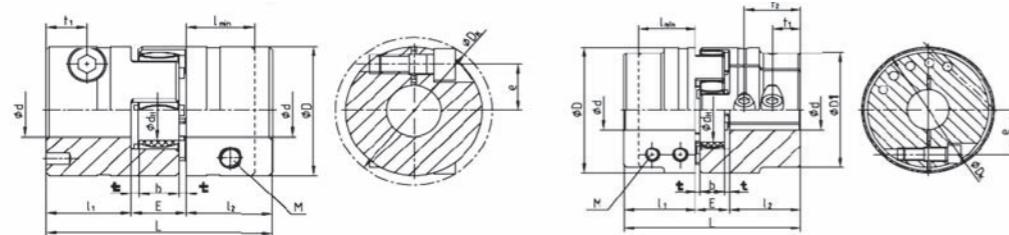
注：1、孔径dH7 (键槽DIN6885/1(GB/T1095-79) JS9 、紧定螺钉GB77-85)
Notice: Aperture dH7 (Keyway DIN6885/1(GB/T1095-79) JS9, tightening screw GB77-85)
订货示例: Order Example

REACH RGE-42-ZDPA	HT250	95 SH A	d1, ϕ 25	d2, ϕ 28	型式 Type
联轴器型号 和规格 Model and Size of Coupling	材料 Materials	弹性体硬度 Elastomer Hardness	成品孔径ISO H7 (键宽公差 DIN6885 JS9) Aperture of Finished Products ISO H7 (Key width tolerance DIN6885 Js9)	成品孔径 ISO H7 (键宽公差 DIN6885 JS9) Aperture of Finished Products ISO H7 (Key width tolerance DIN6885 Js9)	ZDPA

ADEPTRANS CADENAS Y TRANSMISIONES



RGE-DK系列 RGE-DK Series REACH梅花形弹性体联轴器 开槽式
REACH Jaw Coupling Grooving Type



型号 RGE- □□-DK	弹性体额定力矩 Rated Torque of Elastomer(N.m)			成品孔 Finished Bore	尺寸 Dimensions												
	92 SHA	98 SHA	64 SHD		d _{max}	L	l ₁ ; l ₂	E	b	t	D	d _H	D _k	t ₁	t ₂	e	M
19	10	17		20	66	25	16	12	2	40	18	46	12		14.5	M6	14
24	35	60		28	78	30	18	14	2	55	27	57.5	12		20	M6	14
28	95	160		38	90	35	20	15	2.5	65	30	73	14		25	M8	35
38	190	325	405	42	114	45	24	18	3	80	38	77.5	19		26.5	M8	35
42	265	450	560	50	126	50	26	20	3	95	46	93.5	18		32	M10	69
48	310	525	655	55	140	56	28	21	3.5	105	51	105	21		36	M12	120
55	410	685	825	68	160	65	30	22	4	120	60	120	26	51	42.5	M12	120
65	625	940	1175	70	185	75	35	26	4.5	135	68	133	33	61	50	M12	120
75	1280	1920	2400	80	210	85	40	30	5	160	80	158	36	68	57	M16	295
90	2400	3600	4500	90	245	100	45	34	5.5	200	100	197	40	80	72	M20	580

选型举例:
Model Selection Example:

RGE-42-DK	45	98 SHA	d ₁ , φ 26	d ₂ , φ 24	平键 Parallel key	否 No
联轴器规格 Model of coupling	材质 Materials	弹性体 Elastomer	成品孔径 Aperture of Finished products	成品孔径 Aperture of Finished products	键槽类型 Keyway type	是否做动平衡 Test dynamic equilibrium or no

RGE-ZT无齿隙(GS)系列 RGE-ZT Backlash-Free (GS) Series REACH梅花形弹性体联轴器 胀套式
REACH Jaw Coupling Locking-Device Type

产品特点

无齿隙传动，内置胀紧套。
适用于机床主轴传动、压机轧辊传动。
运转非常平稳，线速度可达40m/s。
高灵敏度，传递扭矩大。
顺时针与逆时针回转特性完全相同。
可吸收振动，补偿径向、角向和轴向偏差。
内侧的胀紧套螺钉更易装配。
安装尺寸见下表：

Characteristics:

Transmission without backlash. Inside locking device
Applicable to main spindle drives of machine tools and press rollers
High smoothness of running, application up to a peripheral speed of 40 m/s
High sensitivity to transmit large torque
The clockwise and anticlockwise characteristics are complete same.
Absorb vibrations and compensate for axial, radial and angular displacements
More convenient assembly for screws of inboard locking device
Please refer to the following table for installation:



RGE-ZT无齿隙(GS)系列 RGE-ZT Backlash-Free (GS) Series REACH梅花形弹性体联轴器 胀套式
REACH Jaw Coupling Locking-Device Type

基本参数: Basic Parameters:

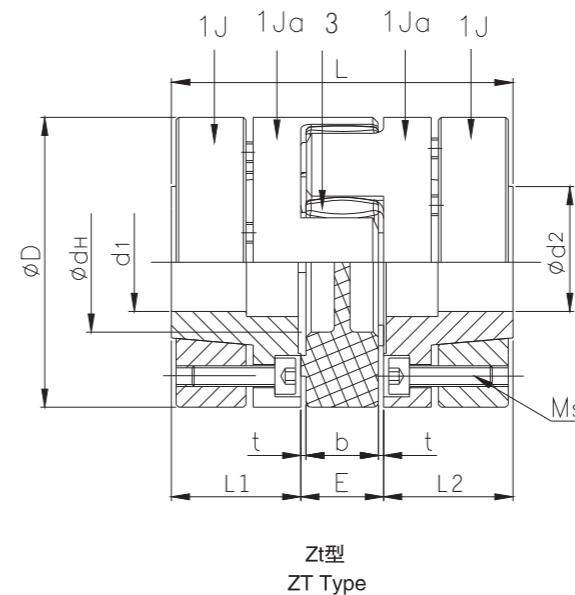
型号(GS) RGE- □□-ZT	轴套孔径和相应的可传递摩擦力矩 Shaft Aperture and Corresponding Transmitted Friction Torque (N.m)																								
	φ10	φ11	φ14	φ15	φ16	φ19	φ20	φ24	φ25	φ28	φ30	φ32	φ35	φ38	φ40	φ42	φ45	φ48	φ50	φ55	φ60	φ65	φ70	φ80	
19	41	45	62	68	67	83	90																		
24	48	67	74	72	90	97	112	120	143																
28			142	154	189	188	237	250	280	307	310	353	389												
28					269	337	356	398	436	442	501	533	572	585	644										
42							399	445	506	470	566	581	647	630	728	836	858								
48										650	685	809	841	926	916	1042	1181	1125	1311						
55											918	954	1052	1040	1185	1220	1318	1359	1646	1662	1960				
65												1568	1569	1768	1833	1968	2049	2438	2495	2898					
75															2246	2338	2500	2620	3082	3179	3657	4235			

材质:

1. 轴套材质42及以上规格为钢件，42以下为铝件；
2. 胀套材质都为钢件（如客户有需要可以做成铝件）；
3. 若客户需要，19、24、28、38轴套材质可以用钢件；
4. 为保证以上扭矩，请确保孔径55以下配合为H7/k6,55以上的配合为G7/m6。

Materials:

1. Materials of shaft sleeve: Steel parts(≥42), Aluminium Parts(<42);
2. Materials of Expanding sleeves are steel parts(it can be made of Aluminium if customer requires.);
3. Model 19,24,28,38 can be made of steel parts;
4. Please ensure H7/k6 for the aperture up to 55 and G7/m6 for the aperture from φ55.

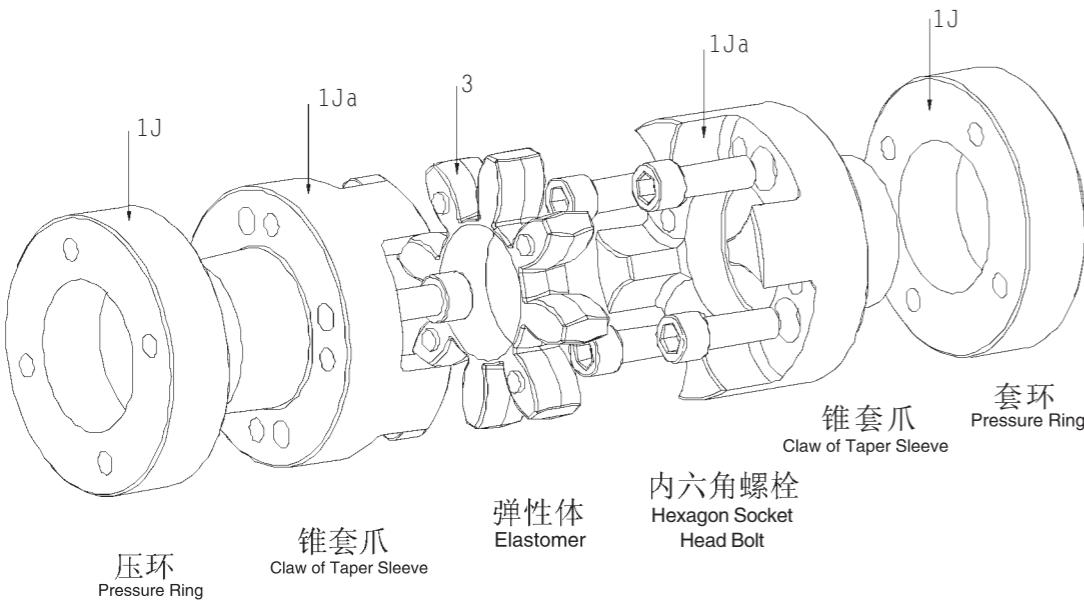


ADEPTRANS CADENAS Y TRANSMISIONES



RGE-ZT无齿隙(GS)系列 RGE-ZT Backlash-Free(GS) Series

REACH梅花形弹性体联轴器 胀套式
REACH Jaw Coupling Locking-Device Type



型号 Model(GS) RGE-□□-ZT	技术参数 Technical Parameters						基本参数 Basic Parameters						单位(unit): mm					
	92 SH A(Nm)		98 SH A(Nm)		额定转速 Rated Rotation speed rad/min	转动惯量 rotary inertia kg.m ²	重量 Weight kg	尺寸 Demensions						螺钉 Screw	螺钉数量 Qty of the screw	锁紧力矩 Torque Nm		
	T _{KN}	T _{max}	T _{KN}	T _{max}				D	d _H	L	11;12	E	b	t	MS	Z	T	
19	10	20	17	34	19000	0.31x10 ⁻⁴	0.12	40	18	66	25	16	12	12	M4	6	3	
24	35	70	60	120	13800	1.35x10 ⁻⁴	0.28	55	27	78	30	18	14	14	M5	4	6	
28	95	190	160	320	11700	3.13x10 ⁻⁴	0.45	65	30	90	35	20	15	15	M5	8	6	
38	190	380	325	650	9550	9.60x10 ⁻⁴	0.95	80	38	114	45	24	18	18	M6	8	10	
42	265	530	450	900	8050	31.7x10 ⁻⁴	2.3	95	46	126	50	26	20	20	M8	4	35	
48	310	620	525	1050	7200	52.0x10 ⁻⁴	3.08	105	51	140	56	28	21	21	M10	4	69	
55	375	750	685	1370	6350	103.0x10 ⁻⁴	4.67	120	60	160	65	30	22	22	M10	4	69	
65				940	1880	5650	191.0x10 ⁻⁴	6.7	135	68	185	75	35	26	26	M12	4	120
75				1465	2930	4750	396.8x10 ⁻⁴	9.9	160	80	210	85	40	30	30	M12	5	120

注：转动惯量及重量按最大孔径计算

Notice:rotary inertia and weight are tested by the max aperture

选型举例：
Model Selection Example:

RGE-28-ZT	AL	45	98 SHA	d1, c 24	d2, c 24	阳极氧化 anodic oxidation	备注 Notice
联轴器规格 Model of coupling	1Ja材料 Materials of 1Ja	1J材料 Materials of 1J	弹性体硬度 Elastomer Hardness	成品孔径 Aperture of Finished products	成品孔径 Aperture of Finished products	联轴器表处 surface of the coupling	

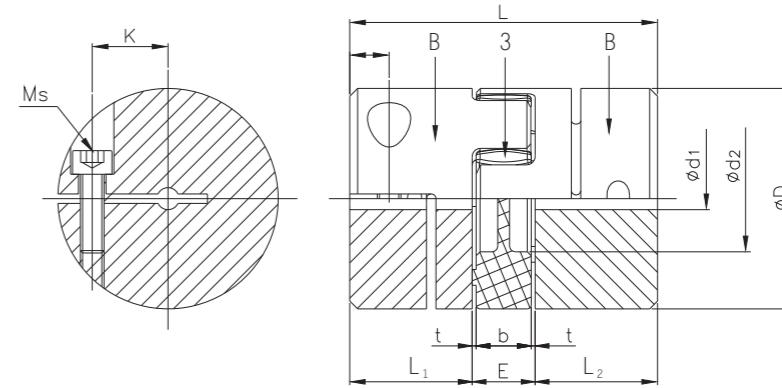
RGE-KC无齿隙(GS)系列 RGE-KC Backlash-Free (GS) Series
REACH梅花形弹性体联轴器 开槽式
REACH Jaw Coupling Grooving Type

产品特点

- 开槽后利用螺钉抱紧，可消除轴孔间隙
- 无齿隙连接，用于主轴传动，升降平台和机床传动等
- 可吸收振动，补偿径向、角向和轴向偏差
- 成品孔径公差按照ISO标准为H7,键槽宽按照标准DIN6885/1
- 公差为JS9

Characteristics:

- Use screws after slotting to eliminate the clearance between the hub and bore
- Applicable to main spindle drives of machine tools, elevating platform and machine tool transmission, etc
- Absorb vibrations and compensate for axial, radial and angular deviations
- Finish bore acc. to ISO fit H7, keyway width acc. to DIN 6885/1.
The tolerance is JS9



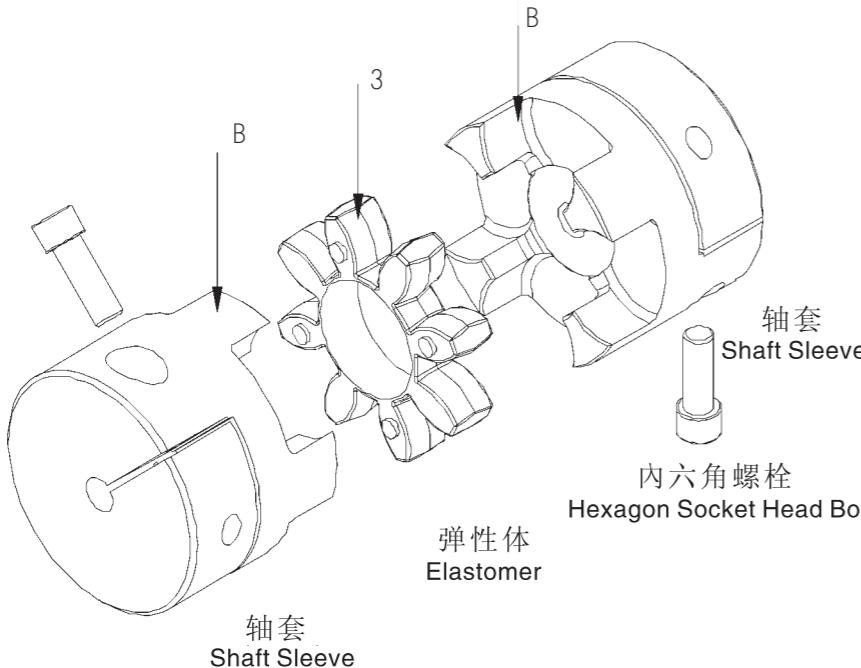
KC型
KC Type

ADEPTRANS CADENAS Y TRANSMISIONES



RGE-KC无齿隙(GS)系列 RGE-KC Backlash-Free (GS) Series

REACH梅花形弹性体联轴器 开槽式
REACH Jaw Coupling Grooving Type



型号 Model(GS) RGE-□□-KC	技术参数 Technical Parameters				基本参数 Basic Parameters				单位(unit): mm							
	弹性体额定力矩 (Nm) Rated Torque of Elastomer (N.m)		额定转速 Rated Rotatation speed rad/min	转动惯量 rotary inertia kg.m ²	重量 Weight kg	外形尺寸 physical dimension				螺钉 screw	锁紧力矩 locking Torque					
	92 SHA	98 SHA	64 SHD	D	d1(min-max)	d2	L	I1:I2	E	b	t	Ms				
19	10	17	—	9550	66x10 ⁻³	1.49x10 ⁻⁶	40	6~24	18	66	25	16	12	2	Ms	10.5
24	35	60	—	6950	132x10 ⁻³	7.5x10 ⁻⁶	55	8~28	27	78	30	18	14	2	M6	10.5
28	95	160	—	5850	253x10 ⁻³	16.5x10 ⁻⁶	65	10~38	30	90	35	20	15	2.5	M8	25
38	190	325	405	4750	455x10 ⁻³	44.6x10 ⁻⁶	80	12~45	38	114	45	24	18	3	M8	25
42	265	450	560	4000	1850x10 ⁻³	100x10 ⁻⁶	95	14~55	46	126	50	26	20	0	M10	69
48	310	525	655	3600	2520x10 ⁻³	200x10 ⁻⁶	105	15~62	51	140	56	28	21	3.5	M12	120
55	410	685	825	3150	3800x10 ⁻³	300x10 ⁻⁶	120	20~74	60	160	65	30	22	4	M12	120
65	625	940	1175	2800	4500x10 ⁻³	500x10 ⁻⁶	135	22~80	68	185	75	35	26	4.5	M12	120
75	1280	1920	2100	2350	7180x10 ⁻³	2000x10 ⁻⁶	160	30~95	80	210	85	40	30	5	M16	295

注：1. 材质：42及以上规格为钢件，42以下为铝件；
2. 转动惯量及重量按最大孔径计算。

Notice: 1. Materials: Steel parts (≥42), Aluminium Parts (<42);
2. Rotary inertia and weight are tested by the max aperture.

选型举例：
Model Selection Example:

RGE-28-KC	45	AL	98 SHA	d1, c 24	d2, c 24	阳极氧化 anodic oxidation	否 No
联轴器规格 Model of coupling	联轴器材料 Materials of the coupling	轴套材料 Materials of the shaft sleeve	弹性体硬度 Elastomer Hardness	成品孔径 Aperture of Finished products	成品孔径 Aperture of Finished products	联轴器表处 surface of the coupling	是否做动平衡 Test dynamic equilibrium or not

REACH膜片联轴器 REACH Diaphragm Couplings

RIC\RDC系列
RIC\RDC Series



特性

- 采用金属板簧方式, 具有最大级的扭转刚性, 实现了高应答
- 无背隙, 磁滞现象极小
- 轴的径向反作用力小, 挠性出色
- 可广泛用于机床主轴、进给轴等各种用途
- 由于特殊的结构, 膜片联轴器可以减少驱动端热传导到被动端, 有效的降低了由于热膨胀引起的误差。
- 最适合伺服马达使用的联轴器
- RIC\RDC联轴器在设计、制造等环节均充分考虑环境保护, 保证我们所有的联轴器完全符合ROHS 标准。

Characters

- Use metal leaf spring with max. torsional stiffness and hereby realize high-response No backlash, minimum hysteresis
- Small radial reaction force and excellent flexibility
- Applicable for main spindle and feed shafts of machine tool, etc
- With a specific structure, the diaphragm couplings are able to decrease heat conducted from the driving to driven end to decrease the error generated by the heat expansion.
- Perfect for servo motors
- The environmental protection is taken into fully consideration in designing and manufacturing RIC\RDC couplings to satisfy RoHS standards.



REACH膜片联轴器分RIC和RDC系列 REACH Diaphragm Couplings Cover RIC and RDC Series

RIC系列 RIC Series

· RIC主体联轴器材料采用轻质、高强度强力铝合金材料制造,膜片采用弹簧用高强度不锈钢片制造;使RIC膜片联轴器在实现高扭转刚性、高应答性的同时,具有极低转动惯量。

· RIC标准联轴器分为单膜片的RIC-□-O型和装有双膜片的RIC-□-T型.RIC

RIC Couplings are made of light-weight and high-strength aluminum alloy.
The diaphragms are made of high strength stainless steel sheets..

RIC diaphragms are characterized by high torsional stiffness and response with pretty low moment of inertia.
Couplings are divided into single-diaphragm RIC-□-o type and double-diaphragm RIC-□-T type.



REACH膜片联轴器分RIC和RDC系列 REACH Diaphragm Couplings Cover RIC and RDC Series

RDC系列 RDC Series

· RDC主体联轴器材料采用碳钢材料制造,膜片采用弹簧用高强度不锈钢片制造;使RDC膜片联轴器具有超高扭转刚性特点,非常适用于精密传动。

· RDC标准联轴器有单、双膜片多种结构,详见7~13页。

RDC Couplings and diaphragms are made of carbon steel materials and high-strength stainless steel sheets respectively. All these make the couplings perfect for the precision transmission because of high torsional stiffness.

RDC Standard Couplings are designed with single and double diaphragms. For more details, please refer to page 7 to page 13.



64~65REACH

From 价值源于核心技术
Core Technology comes
Exceptional Value

REACH膜片联轴器 REACH Diaphragm Couplings

RIC-□-O单膜片系列 RIC-□-O Single-diaphragm Couplings

产品特点

- 单膜片型
- 具有超高扭向刚性
- 结构紧凑
- 具有角向和轴向纠偏能力

安装尺寸见下表:

Characters:

Single diaphragm

Pretty high torsional stiffness

Compact structure

Angular and axial deviation correction functions

For installation dimensions, please refer to the following table:



RIC-□-O性能参数: Performance Parameters of RIC-□-O:

规格 Size	额定扭矩 Rated Torque N.m	最高转速 Max. Rotation Speed r/min	扭转刚度 Torsional Stiffness N.m/rad×10 ³	允许角向误差 Permissible Angular Errors°	允许平行误差 Permissible Parallel Errors mm	允许轴向位移 Permissible Axial Displacement mm	转动惯量 Moment of Inertia kg.m ²
RIC-010-O	1.5	10000	3.7	1	0.02	± 0.15	2.5x10 ⁻⁶
RIC-014-O	4	10000	8.0	1	0.02	± 0.20	8.2x10 ⁻⁶
RIC-016-O	6	10000	18.0	1	0.02	± 0.25	18.5x10 ⁻⁶
RIC-019-O	10	10000	20.0	1	0.02	± 0.30	29.7x10 ⁻⁶
RIC-025-O	25	10000	32.0	1	0.02	± 0.40	100x10 ⁻⁶
RIC-030-O	60	10000	70.0	1	0.02	± 0.40	268x10 ⁻⁶
RIC-035-O	100	10000	140	1	0.02	± 0.55	737x10 ⁻⁶
RIC-040-O	180	10000	100	1	0.02	± 0.65	1220x10 ⁻⁶
RIC-045-O	250	10000	120	1	0.02	± 0.74	1850x10 ⁻⁶

- 转动惯量为孔最大时。
- 角向误差和轴向位移相互关联,两者不能同时达到最大允许误差。
- 如: 当其中一项实际误差达到允许值70%时,另外一项误差不能超过允许误差30%。
- 扭转刚度仅为膜片零件之值。
- 与联轴器配合轴的公差为h7。

Moment of inertia (with maximum bore).

The angular errors and axial displacements are interdependent with each other.

The two parameters should not up to maximum values at the same time.

For example, if one actual error is 70% of its permissible value, the other one should not over 30%.

The torsional stiffness only refers to the value of diaphragm parts.

The tolerance of the axial that matches the coupling is h7.

Over--
exceed ?

ADEPTRANS CADENAS Y TRANSMISIONES



66~67 REACH

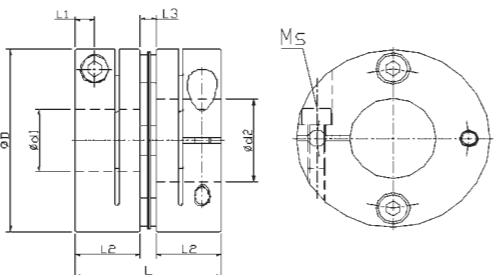


From 价值源于核心技术
Core Technology comes
Exceptional Value

REACH膜片联轴器 REACH Diaphragm Couplings

RIC-□-O单膜片系列 RIC-□-O Single-diaphragm Couplings

RIC-□-O尺寸: RIC-□-O Dimensions



规格 Size	d1 , d2		D	L	L1	L2	L3	Ms	锁紧扭矩 Locking Torque	质量 Weight
	最小 Min.	最大 Max.							N.m	kg
RIC-010-O	5	10	26	23.5	3.5	10.5	2.5	M2.5	1.2	0.03
RIC-014-O	6	14	34	27.1	4	12	3.1	M3	1.8	0.05
RIC-016-O	8	16	39	34.6	5	15	4.6	M4	4	0.09
RIC-019-O	8	19	44	34.6	5	15	4.6	M4	4	0.11
RIC-025-O	8	25	56	45	7	20	5	M5	10	0.22
RIC-030-O	15	30	68	54	7.8	24	6	M6	17	0.40
RIC-035-O	20	35	82	68	9	30	8	M8	35	0.75
RIC-040-O	25	40	94	68	9	30	8	M8	35	0.95
RIC-045-O	35	45	104	70	9	30	8	M8	35	1.18

质量为孔最大时。Weight (with maximum bore)

订货示例Order Example: RIC-20-O-15-20

RIC-20	O	φ 15	φ 20
联轴器型号 和规格 Model and Size of Coupling	单膜片型号 Single-diaphragm	d1孔径 Aperture d1	d2孔径 Aperture d2

RIC-□-T双膜片系列 RIC-□-T Single-diaphragm Couplings



产品特点

- 双膜片型
- 具有角向、轴向和径向纠偏能力
- 有中间过渡盘

安装尺寸见下表:

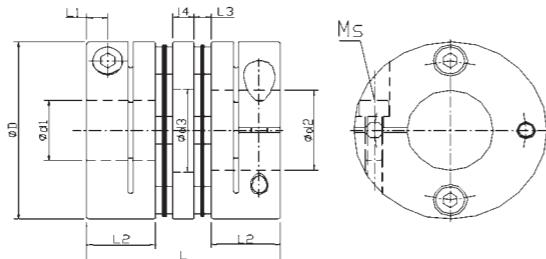
Characters:

Double-diaphragm

Angular and axial deviation correction functions

Equipped with intermediate transitional plate

For installation dimensions, please refer to the following table:



RIC-□-T性能参数: Performance Parameters of RIC-□-T

规格 Size	额定扭矩 Rated Torque N.m	最高转速 Max. Rotation Speed r/min	扭转刚度 Torsional Stiffness N.m/rad×10 ³	允许角向误差 Permissible Angular Errors °	允许平行误差 Permissible Parallel Errors mm	允许轴向位移 Permissible Axial Displacements mm	转动惯量 Moment of Inertia kg.m ²
RIC-010-T	1.5	10000	1.85	1(单侧) 1(Single side)	0.15	± 0.33	3.4x10 ⁻⁶
RIC-014-T	4	10000	4.0	1(单侧) 1(Single side)	0.18	± 0.40	11.3x10 ⁻⁶
RIC-016-T	6	10000	9.0	1(单侧) 1(Single side)	0.24	± 0.50	26.3x10 ⁻⁶
RIC-019-T	10	10000	10.0	1(单侧) 1(Single side)	0.24	± 0.60	41.7x10 ⁻⁶
RIC-025-T	25	10000	16.0	1(单侧) 1(Single side)	0.28	± 0.80	136.1x10 ⁻⁶
RIC-030-T	60	10000	35.0	1(单侧) 1(Single side)	0.34	± 0.90	366.9x10 ⁻⁶
RIC-035-T	100	10000	70.0	1(单侧) 1(Single side)	0.52	± 1.10	1070x10 ⁻⁶
RIC-040-T	180	10000	50.0	1(单侧) 1(Single side)	0.52	± 1.30	1750x10 ⁻⁶
RIC-045-T	250	10000	60.0	1(单侧) 1(Single side)	0.52	± 1.48	2690x10 ⁻⁶

· 转动惯量为孔最大时。

· 角向误差、平行误差和轴向位移相互关联,三者不能同时达到最大允许误差。

· 如: 当其中两项实际误差达到允许值50%和20%时,另外一项误差不能超过允许误差30%。

· 扭转刚度仅为膜片零件之值。

· 与联轴器配合轴的公差为h7。

Moment of inertia (with maximum bore).

The angular errors, parallel errors and axial displacements are interdependent with each other.

These three parameters should not up to maximum values at the same time. For example, if the two actual errors are 50% and 20% of permissible values respectively, the other one should not over 30%.

The torsional stiffness only refers to the value of diaphragm parts.

The tolerance of the axial that matches the coupling is h7.

规格 Size	d1 , d2		d3	D	L	L1	L2	L3	L4	Ms	锁紧扭矩 Locking Torque	质量 Weight
	最小 Min.	最大 Max.									N.m	kg
RIC-010-T	5	10	10.6	26	32	3.5	10.5	2.5	6	M2.5	1.2	0.04
RIC-014-T	6	14	15	34	37.2	4	12	3.1	7	M3	1.8	0.07
RIC-016-T	8	16	17	39	48.2	5	15	4.6	9	M4	4	0.12
RIC-019-T	8	19	19.5	44	48.2	5	15	4.6	9	M4	4	0.15
RIC-025-T	8	25	26	56	61	7	20	5	11	M5	10	0.29
RIC-030-T	15	30	31	68	74	7.8	24	6	14	M6	17	0.54
RIC-035-T	20	35	40	82	98	9	30	8	22	M8	35	1.08
RIC-040-T	25	40	47	94	98	9	30	8	22	M8	35	1.2
RIC-045-T	35	45	50	104	98	9	30	8	22	M8	35	1.45

质量为孔最大时 Weight with max. Bore

订货示例/Order Example: RIC-20-T-15-20

RIC-20	T	φ 15	φ 20
联轴器型号 和规格 Model and Size of Coupling	双膜片型号 Double-diaphragm	d1孔径 Aperture d1	d2孔径 Aperture d2



REACH膜片联轴器 REACH Diaphragm Couplings

RIC膜片联轴器 RIC Diaphragm Couplings

RIC联轴器标准孔径 见下表:For standard aperture of RIC Couplings, please refer to the following table:

型号Type	规格孔径d1;d2(mm) Standard Aperture d1; d2 (mm)																							
	5	6	7	8	9	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42
RIC-010	△	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
RIC-014	△	△	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
RIC-016			□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
RIC-019			△	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
RIC-025				△	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
RIC-030					△	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
RIC-035						□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
RIC-040							□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
RIC-045								□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□

- 带□号对应的孔径可以保证按照联轴器额定扭矩选用。
- △由于△号对应的孔径较小，在锁紧螺栓的作用下孔与轴的打滑扭矩会低于联轴器额定扭矩。因此，带△号孔径的额定扭矩请按表2选用。
- 在上表所列的孔径大小范围内，我司可以按客户需要特殊订制（如：英制尺寸孔径）。
- 表2:表内所列孔与轴的打滑扭矩低于联轴器额定扭矩,请按孔径所对应额定扭矩选用联轴器。

Customers can select the aperture with “□” according to the rated torque.

The aperture with “△” is relative small.

The skidding torque will be lower than the rated torque because of locking bolts.

Please select the rated torque corresponding to the aperture with “△” according to Table 2.

We are able to manufacture the products with the aperture listed in the above table according to your requirements (e.g. inch-size apertures)

Table 2: The skidding torque in the Table between the bore and shaft is lower than the rated torque.

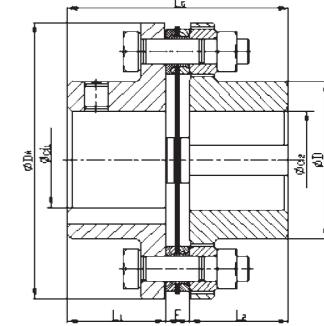
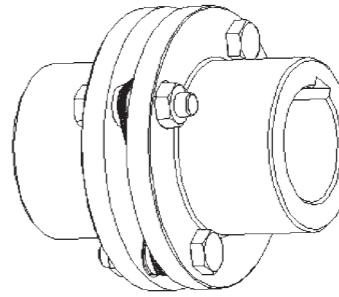
Please select the couplings according to the rated torque corresponded to the aperture.

型号Type	带△孔径Aperture with △(mm)	额定扭矩Rated Torque (N.M)
RIC-10	5	1.2
RIC-14	5	2.8
RIC-14	6	3.4
RIC-19	8	9
RIC-25	10	22
RIC-30	12	51

REACH膜片联轴器 REACH Diaphragm Couplings

RDC系列 RDC Series

- 单节式结构
- 具有角向和轴向纠偏能力
- 扭向刚性好
- 结构紧凑
- Single-section structure
- Angular and axial deviation correction functions
- High torsional stiffness
- Compact structure



A型结构尺寸表 单位: mm Dimension Table of A-type Unit: mm

规格	d1 max	d2 max	DA	D	LG	L1	E	L2
20	20	20	56	32	45	20	5	20
25	25	25	68	40	56	25	6	25
35	35	35	82	54	86	40	6	40
38	38	38	94	58	98	45	8	45
42	42	42	104	68	100	45	10	45
50	50	50	126	78	121	55	11	55
60	60	60	138	88	121	55	11	55
70	70	70	156	102	141	65	11	65
80	80	80	179	117	164	75	14	75
85	85	85	191	123	175	80	15	80
90	90	90	210	132	175	80	15	80
105	105	105	225	147	200	90	20	90
115	115	115	265	163	223	100	23	100

A型性能参数 Performance Parameters of A-type

规格Size	额定扭矩Rated Torque (N.m)	最高转速Max. Rotation Speed (r/min)	角向偏差 (度) Angular Deviation (°)	轴向偏差 Axial Deviation (mm)	径向偏差 Radial Deviation (mm)	转动惯量 Moment of Inertia (kg.m²)	膜片扭向性刚度 Torsional Stiffness of Diaphragm (10⁶ Nm/rad)
20	15	20000	1.0	0.6	--	0.0001	0.017
25	30	16000	1.0	0.8	--	0.00026	0.028
35	60	13000	1.0	1.0	--	0.0008	0.092
38	120	12000	1.0	1.2	--	0.0016	0.198
42	180	10000	1.0	1.4	--	0.0027	0.282
50	330	8000	1.0	1.6	--	0.0061	0.501
60	690	6700	1.3	1.0	--	0.0082	0.56
70	1100	5900	1.3	1.1	--	0.0152	0.90
80	1500	5100	1.3	1.3	--	0.029	1.14
85	2400	4750	1.3	1.3	--	0.042	1.52
90	4500	4300	1.0	1.0	--	0.064	1.94
105	5100	4000	1.0	1.2	--	0.093	2.54
115	9000	3400	1.0	1.4	--	0.199	3.48

ADEPTRANS CADENAS Y TRANSMISIONES



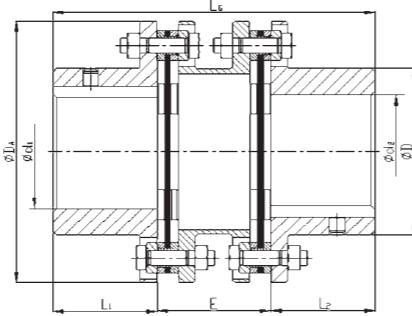
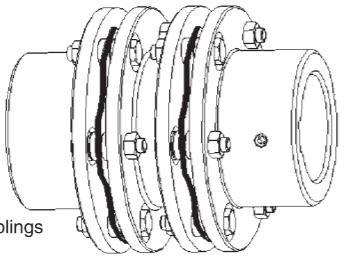
70~71 REACH

From 价值源于核心技术
Core Technology comes
Exceptional Value

REACH膜片联轴器 REACH Diaphragm Couplings

RDC系列 RDC Series

- 1 紧凑的双节式结构
- 2 纠偏能力强
- 3 可替换曲面齿连轴器



B型结构尺寸表 单位: mm Dimension Table of B-type Unit: mm

规格Size	d1 max	d2 max	DA	D	LG	L1	E	L2
20	20	20	56	32		20		20
25	25	25	68	40		25		25
35	35	35	82	54		40		40
38	38	38	94	58		45		45
42	42	42	104	68		45		45
50	50	50	126	78		55		55
60	60	60	138	88	170	55	60	55
70	70	70	156	102	200	65	70	65
80	80	80	179	117	233	75	83	75
85	85	85	191	123	246	80	86	80
90	90	90	210	132	251	80	91	80
105	105	105	225	147	281	90	101	90
115	115	115	265	163	309	100	109	100

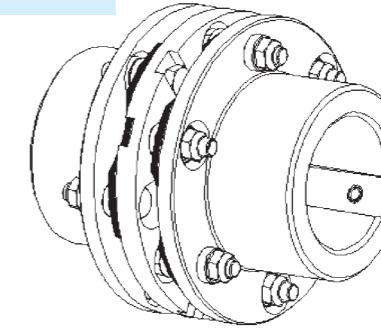
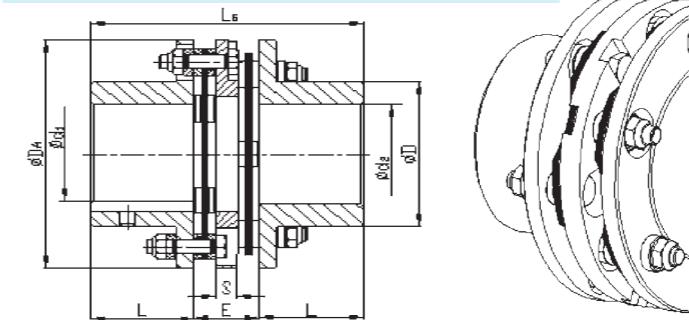
B型性能参数 Performance Parameters of B-type

规 格 Size	额定扭矩 Rated Torque (Nm)	最高转速 Max. Rotation Speed (r/min)	角向偏差 (度) Angular Deviation(o)	轴向偏差 Axial Deviation (mm)	径向偏差 Radial Deviation (mm)	转动惯量 Moment of Inertia (kg.m²)	膜片扭向性刚度 Torsional Stiffness of Diaphragm (10⁶ Nm/rad)
20	15	20000	1.0	1.2	0.1		0.0085
25	30	16000	1.0	1.6	0.2		0.014
35	60	13000	1.0	2.0	0.2		0.046
38	120	12000	1.0	2.4	0.3		0.099
42	180	10000	1.0	2.8	0.3		0.141
50	330	8000	1.0	3.2	0.4		0.2505
60	690	6700	1.3	2.0	1.0	0.012	0.28
70	1100	5900	1.3	2.2	1.2	0.022	0.45
80	1500	5100	1.3	2.6	1.5	0.042	0.57
85	2400	4750	1.3	2.3	1.5	0.064	0.76
90	4500	4300	1.0	2.0	1.4	0.103	0.97
105	5100	4000	1.0	2.4	1.6	0.143	1.27
115	9000	3400	1.0	2.8	1.3	0.333	1.74

REACH膜片联轴器 REACH Diaphragm Couplings

RDC系列 RDC Series

- 紧凑的双节式结构
- 纠偏能力强
- 可替换曲面齿连轴器
- Compact double-section structure
- Strong deviation correction function
- Can be used to replace curved-tooth couplings



C型结构尺寸表 单位: mm Dimension Table of C-type Unit: mm

规格Size	d1 max	d2 max	DA	D	LG	L1	E	L2	S
20	20	20	56	32	55	20	15	20	5
25	25	25	68	40	68	25	18	25	6
35	35	35	82	54	98	40	18	40	6
38	38	38	94	58	114	45	24	45	8
42	42	42	104	68	118	45	28	45	8
50	50	50	126	78	142	55	32	55	10
60	60	60	138	88	144	55	34	55	12
70	70	70	156	102	164	65	34	65	12

C型性能参数 Performance Parameters of C-type

规 格 Size	额定扭矩 Rated Torque (Nm)	最高转速 Max. Rotation Speed (r/min)	角向偏差 (度) Angular Deviation(o)	轴向偏差 Axial Deviation (mm)	径向偏差 Radial Deviation (mm)	转动惯量 Moment of Inertia (kg.m²)	膜片扭向性刚度 Torsional Stiffness of Diaphragm (10⁶ Nm/rad)
20	15	20000	1.0	1.2	0.1	0.0001	0.0085
25	30	16000	1.0	1.6	0.2	0.00025	0.014
35	60	13000	1.0	2.0	0.2	0.0085	0.046
38	120	12000	1.0	2.4	0.3	0.0015	0.099
42	180	10000	1.0	2.8	0.3	0.0024	0.141
50	330	8000	1.0	3.2	0.4	0.008	0.2505
60	690	6700	1.3	2.0	1.0	0.01	0.28
70	1100	5900	1.3	2.2	1.2	0.02	0.45

定货号码示例 Order Example: RDC-35-A-35Jx28J

RDC-35-A	35J	28J
REACH膜片联轴器 35规格A型 REACH Diaphragm Couplings Size 35 A-type	轴套孔直径为35,键槽连接形式 The diameter of bore in the hub is 35 Connected by keyway	轴套孔直径为35,键槽连接形式 The diameter of bore in the hub is 35 Keyway Connection

连接形式说明: J 表示键槽连接形式 Z 表示键槽胀套连接形式
Explanation of the Connection: "J" means the keyway connection and,
"z" refers to the connection between the keyway and locking devices