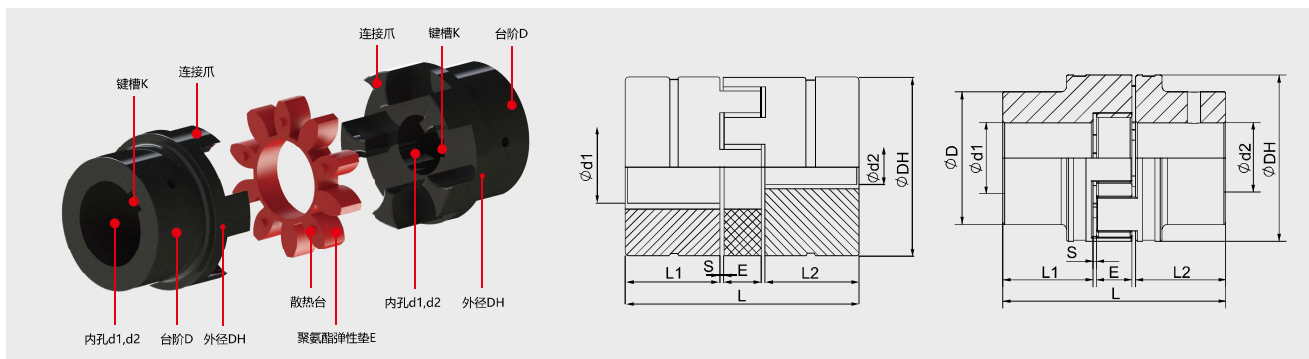


XL/GR 星型弹性联轴器

Star shaped elastic coupling



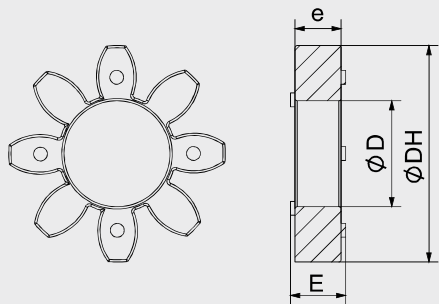
产品性能>>> Performance

- 聚氨酯弹性体由凸型爪块限制，可避免由于冲击产生的内部变形及离心力产生的外部变形；
- 凸爪大的凹面，可减小渐开线齿上的表面压力；
- 具有补偿两轴相对偏移、缓冲、减震、耐磨性能；
- 适用于联接两同轴线的传动轴系，适应场合普遍。
- Polyurethane elastomers are limited by convex claw blocks, which can avoid internal deformation caused by impact and external deformation caused by centrifugal force;
- The concave surface with large protrusions can reduce the surface pressure on the involute teeth;
- Capable of compensating for relative deviation between two axes, buffering, shock absorption, and wear resistance;
- Suitable for connecting two coaxial transmission shaft systems, suitable for general occasions.

基本参数>>> Basic parameters

型号 Model	外径 DH	台阶 D	轴孔直径 d1,d2	轴孔长度 L1,L2	散热台 S	弹性垫 E	总长 L	公称转矩 Tn/N·m	许用转速 [n]r/min
XL0(GR14)	30	30	8-16	18	1.5	10	50	16	25400
XL1(GR19)	39	39	8-25	25	2	12	66	21	19000
XL2(GR24)	54	40	8-17	30.5	2	13	78	75	13800
		50	18-30						
XL3(GR28)	64	54	32-35	35.5	2	15	90	200	11500
		48	10-17						
		60	18-35						
XL4(GR38)	79	64	38-42	46	2	18	114	405	9500
		66	12-35						
		75	38-48						
XL5(GR42)	94	79	50	51	2	20	126	560	8000
		75	14-30						
		85	32-40						
XL6(GR48)	104	92	42-60	57	2	22	140	655	7250
		85	16-35						
		95	38-45						
XL7(GR55)	119	100	48-65	66	2.5	23	160	825	6350
		98	18-50						
		110	55-70						
XL8(GR65)	135	119	75-80	77	2.5	26	185	1175	5650
		115	20-70						
		135	75-85						
XL9(GR75)	158	135	35-85	86.4	3.5	30.2	210	2400	4750
		158	90-95						
		160	40-100						
XL10(GR90)	198	198	110	102.5	2.5	35	245	4500	3800
		180	50-100						
		200	105-110						
XL11(GR100)	225	200	60-110	110	6	38	270	6185	3350
		200	60-110						
		230	115-125						
XL12(GR110)	255	230	115-125	120	6.5	42	295	9000	2950

GR 星型弹性联轴器缓冲垫 Star shaped elastic coupling cushion



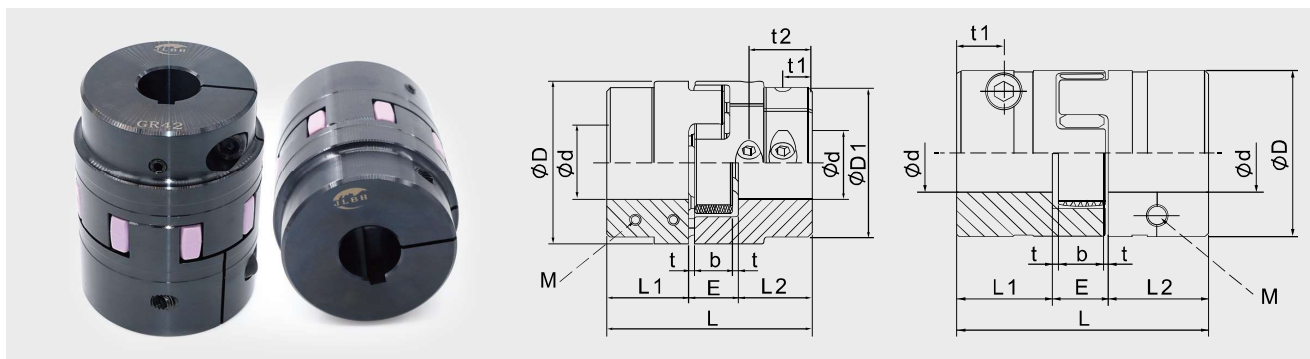
产品性能>>> Performance

- 产品用途：用于各种传动机械联轴器，作用于传动轴的联接。
- 材质：聚氨酯TPU,PUR
- 产品硬度：92 ShA,98 ShA,64 ShD
- 扭矩：7.5Nm~9000Nm
- 阿克隆磨耗：<0.05Cm³/1.61km
- 标准来源：德国KTR
- Product use: Used for various transmission mechanical couplings, serving as a connection for transmission shafts.
- Material: TPU,PUR
- Product hardness: 92 ShA,98 ShA,64 ShD
- Torque: 7.5Nm~9000Nm
- Akron wear:<0.05C m³/1.61km
- Standard source: KTR Germany

基本参数>>> Basic parameters

型号(model)	DH	D	E	e	瓣数
GR-19	40	18	16	12	6
GR-24	54	26	17	13	8
GR-28	65	30	19	15	8
GR-38	80	38	22	18	8
GR-42	95	46	24	20	8
GR-48	104	51	26	22	8
GR-55	120	60	28	23	8
GR-65	135	68	31	26	8
GR-75	161	81	36	30	10
GR-90	199	100	40	35	10
GR-100	224	111	38	38	10
GR-110	255	121	42	42	10

XL/GR 星型弹性联轴器夹紧型 Star shaped elastic coupling clamping type



产品性能>>> Performance

- 聚氨酯弹性体由凸型爪块限制，可避免由于冲击产生的内部变形及离心力产生的外部变形;
- 凸爪大的凹面，可减小渐开线齿上的表面压力;
- 具有补偿两轴相对偏移、缓冲、减震、耐磨性能;
- 适用于联结两同轴线的传动轴系，适应场合普遍。
- Polyurethane elastomers are limited by convex claw blocks, which can avoid internal deformation caused by impact and external deformation caused by centrifugal force;
- The concave surface with large protrusions can reduce the surface pressure on the involute teeth;
- Capable of compensating for relative deviation between two axes, buffering, shock absorption, and durability;
- Suitable for connecting two coaxial transmission shaft systems, suitable for general occasions.

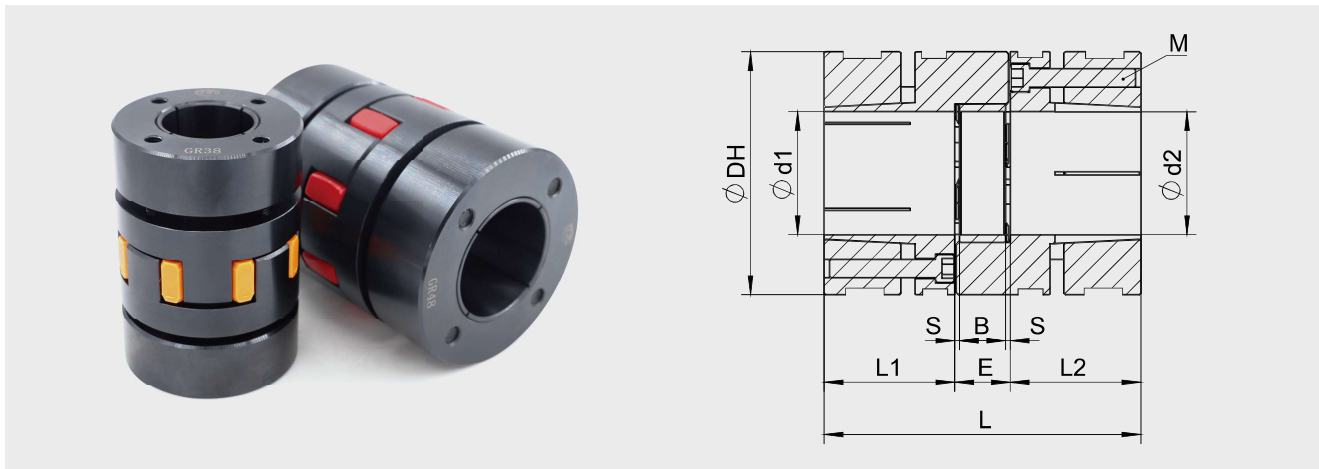
基本参数>>> Basic parameters

型号 (Model)	D	d	D1	L1,L2	t	E	L	M	公称转矩 T _n /N·m
XL1(GR19)	39	8-20	-	25	2	16	66	M6	21
XL2(GR24)	54	12-32	-	30.5	1.5	17	78	M6	75
XL3(GR28)	64	15-40	-	35.5	2	19	90	M8	200
XL4(GR38)	79	12-24	66	46	2	22	114	M8	405
		25-32	70						
		35-45	75						
XL5(GR42)	94	14-30	75	51	2	24	126	M10	560
		32-40	85						
		42-55	92						
XL6(GR48)	104	16-35	85	57	2	26	140	M12	655
		38-45	95						
		48-65	100						
XL7(GR55)	119	32-48	98	66	2.5	28	160	M12	825
		50-65	110						
XL8(GR65)	135	32-55	115	77	2.5	31	185	M16	1175
		60-85	135						
XL9(GR75)	158	32-75	135	86.4	3.5	37.2	210	M16	2400
		80-90	151						
XL10(GR90)	198	60-85	160	102.5	2.5	40	245	M20	4500
		90-100	180						
XL11(GR100)	225	50-100	180	110	6	50	270	M20	6185
		105-110	200						
XL12(GR110)	255	60-110	200	120	6.5	55	295	M20	9000
		115-125	230						

XL/GR

型胀紧套联轴器

type expansion sleeve coupling



- 产品性能>>>

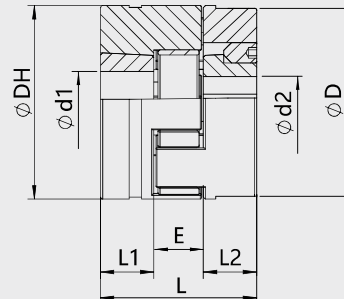
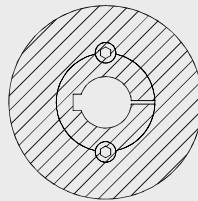
Performance
- 经济型零齿隙联轴器，具有良好的传动同步性，专用于伺服电机、步进电机、滚珠丝杠等精密场合；
 - 采用胀紧式机构，确保传动的无间隙与同步性，相对于夹紧式结构，传递扭矩更大，耐冲击，转速更高；
 - 可较大程度补偿两轴同心度偏差；
 - 轴孔尺寸可按需求加工定制公制和英制孔。
- Economical zero backlash coupling with good transmission synchronization, specially designed for precision applications such as servo motors, stepper motors, ball screws, etc;
 - Adopting an expansion type mechanism to ensure seamless and synchronous transmission, compared to a clamping type structure, it transmits greater torque, is resistant to impact, and has a higher rotational speed;
 - Can compensate for the concentricity deviation of the two axes to a large extent;
 - The size of the shaft hole can be customized according to the needs of processing metric and imperial holes.

基本参数>>>

Basic parameters

型号 Model	公称转矩 T _n /N·m	DH	L	L1,L2	d1,d2	E	B	S	M
XL1(GR19)	21	39	66	25	10-20	16	12	2	6*M4
XL2(GR24)	60	54	78	30	14-28	18	14	2	4*M5
XL3(GR28)	160	64	90	35	15-38	20	15	2.5	8*M5
XL4(GR38)	325	79	114	45	20-45	24	18	3	8*M6
XL5(GR42)	450	94	126	50	25-50	26	20	3	4*M8
XL6(GR48)	525	104	140	56	30-55	28	21	3.5	4*M10
XL7(GR55)	685	119	160	65	35-70	30	22	4	4*M10
XL8(GR65)	940	135	185	75	40-70	35	26	4.5	4*M12
XL9(GR75)	1920	158	210	85	42-80	40	30	5	5*M12
XL10(GR90)	3600	198	245	100	50-105	45	34	5.5	5*M16

XL/GR 锥套型弹性联轴器 Conical sleeve type elastic coupling



产品性能>>> Performance

锥套联轴器由锥套、联轴器、弹性垫三个部分组成，安装时将锥套套在轴上，通过紧固件与联轴器联接，其结构简单、紧凑，能够有效的传递扭矩，并具有良好的轴向和径向定位性能。适用于联接两同轴线，启动频繁、正反转多变的传动轴系。

The cone sleeve coupling consists of three parts: the cone sleeve, the coupling, and the elastic pad. When installed, the cone sleeve is placed on the shaft and connected to the coupling through fasteners. Its structure is simple and compact, which can effectively transmit torque and has good axial and radial positioning performance. Suitable for connecting two coaxial lines, frequent starting, and variable forward and reverse rotation of transmission shaft systems.

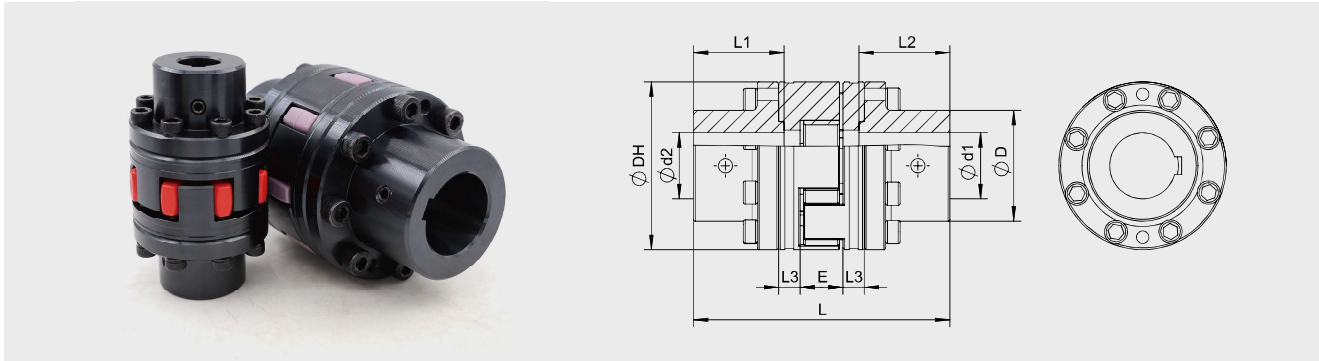
基本参数>>> Basic parameters

型号 Model	DH	D	锥套型号 TB Model	d1,d2	L1,L2	E	L	公称转矩 Tn/N·m	许用转速 [n] r/min
XL2(GR24)	54	54	1008	10-25	22	18	62	75	13800
XL3(GR28)	64	64	1108	10-28	23	20	66	200	11500
XL4(GR38)	79	79	1108	10-28	23	24	70	405	9500
XL5(GR42)	94	94	1610	14-42	26	26	78	560	8000
XL6(GR48)	104	104	1615	14-42	39	28	106	655	7250
XL7(GR55)	119	118	2012	14-50	33	30	96	825	6350
XL8(GR65)	135	115	2012	14-50	33	35	101	1175	5650
XL9(GR75)	158	158	2517	16-60	52	40	144	2400	4750
XL10(GR90)	198	160	3020	25-75	52	45	149	4500	3800
XL11(GR100)	225	180	3535	35-90	90	50	230	6185	3350
XL12(GR110)	255	230	4545	55-110	114	55	288	9000	2950

型号 Model	成品孔 Finished Hole Dia																		
1008	10	11	12	14	16	18	19	20	22	24	25								
1108	10	11	12	14	16	18	19	20	22	24	25	28							
1610	14	16	18	19	20	22	24	25	28	30	32	35	38	40	42				
1615	14	16	18	19	20	22	24	25	28	30	32	35	38	40	42				
2012	14	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	48	50	
2517	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	48	50	55	60
3020	25	28	30	35	38	40	42	45	48	50	55	60	65	70	75				
3535	35	38	40	42	45	48	50	55	60	65	70	75	80	85	90				
4545	55	60	65	70	75	80	85	90	95	100	105	110							

XL/GR

法兰型弹性联轴器
 Flange type elastic coupling



- 产品性能>>>

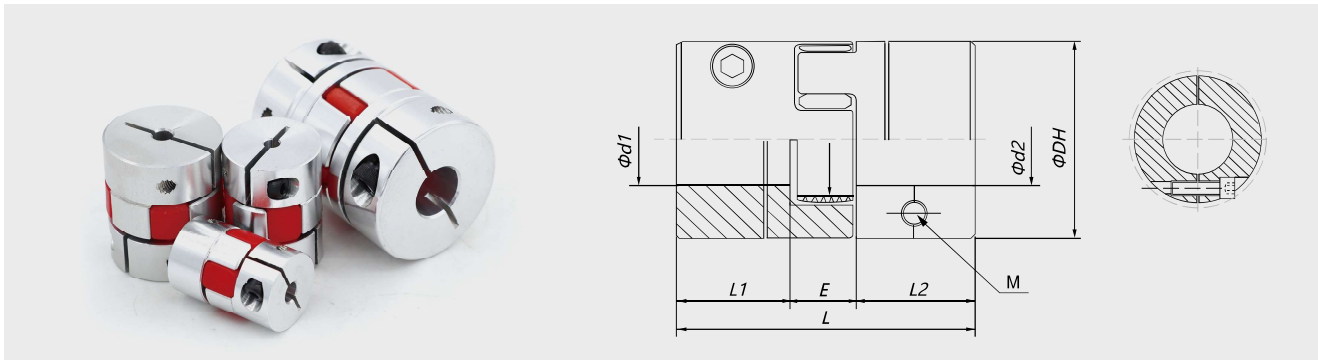
Performance
- 双侧轴套采用法兰联接，拆下法兰即可径向装拆，适用于重型机械及通用机械场合；
 - 更换弹性体时无需移动两端设备；
 - 可较大程度吸收安装同心度偏差；
 - 具有缓冲、减震、耐磨、拆装方便等特点；
 - 对中轴孔形式：键槽、花键、锥孔、胀套；
 - 轴孔尺寸可根据用户需求加工，包括公制与英制；
 - The double-sided shaft sleeves are connected by flanges, and can be installed and removed radially by removing the flanges. They are suitable for heavy-duty machinery and general machinery field differences;
 - There is no need to move the devices at both ends when replacing the elastomer;
 - Can absorb installation concentricity deviation to a large extent;
 - Featuring cushioning, shock absorption, wear resistance, and easy disassembly and assembly;
 - Form of center shaft hole: keyway, spline, tapered hole, expansion sleeve;
 - The size of the shaft hole can be processed according to user needs, including metric and imperial systems;

基本参数>>>

Basic parameters

型号 Model	DH	D	d1,d2	L1,L2	E	L3	L	公称转矩 Tn/N·m	许用转速 [n] r/min
XL2(GR24)	54	36	10-27	30	18	7.5	94	75	13800
XL3(GR28)	64	42	10-30	35	20	9.5	110	200	11500
XL4(GR38)	79	52	10-38	45	24	9.5	134	405	9500
XL5(GR42)	94	62	14-45	50	26	11	150	560	8000
XL6(GR48)	104	70	14-50	56	28	11	164	655	7250
XL7(GR55)	119	80	14-60	65	30	15	192	825	6350
XL8(GR65)	135	94	14-70	75	35	15	217	1175	5650
XL9(GR75)	158	108	16-80	85	40	17.5	248	2400	4750
XL10(GR90)	198	142	25-105	100	45	18.5	285	4500	3800
XL11(GR100)	225	158	35-115	110	50	23.5	320	6185	3350
XL12(GR110)	255	178	55-130	120	55	24	347	9000	2950

XL/GR 铝合金夹紧联轴器 Aluminum Alloy Clamping Coupling



产品性能>>> Performance

- 轴套采用铝合金材质，在保证硬度的同时大大降低了产品本身的自重；
 - 聚氨酯弹性体由凸型爪块限制，可避免由于冲击产生的内部变形及离心力产生的外部变形；
 - 凸爪大的凹面，可减小渐开线齿上的表面压力；
 - 具有补偿两轴相对偏移、缓冲、减震、耐磨性能；
 - 适用于联结两同轴线的传动轴系，适应场合普遍。
- The shaft sleeve is made of aluminum alloy material, which greatly reduces the weight of the product while ensuring hardness;
 - Polyurethane elastomers are limited by convex claw blocks, which can avoid internal deformation caused by impact and external deformation caused by centrifugal force;
 - The concave surface with large protrusions can reduce the surface pressure on the involute teeth;
 - Capable of compensating for relative deviation between two axes, buffering, shock absorption, and wear resistance;
 - Suitable for connecting two coaxial transmission shaft systems, suitable for general occasions.

基本参数>>> Basic parameters

型号 (Model)	d1,d2	DH	L	L1,L2	E	M	公称转矩 T _n /N·m	许用转速 [n]r/min
XL-14	3-7	14	22	6.5	9	M2.5	1.1	19000
XL-20	4-10	20	30	10	10	M3	2.8	17000
XL-25	4-12	25	34	11	12	M3	6	16000
XL-30	5-15	30	35	11.5	12	M4	7	12000
XL-35	5-19	35	50	18.5	13	M4	15	10000
XL-40	8-24	40	66	26	14	M5	16	10000
XL-45	8-25	45	66	26	14	M6	32	10000
XL-50	8-25	50	56	20.5	15	M6	40	8000
XL-55	10-30	55	78	30	18	M6	46	8000
XL-65	14-38	65	90	35.5	19	M8	109	6000
XL-80	14-45	80	114	46	22	M8	135	4600
XL-95	19-50	95	126	51	24	M10	250	3800
XL-105	20-55	105	140	57	26	M12	420	3400
XL-120	22-68	120	160	66	28	M12	520	3000