

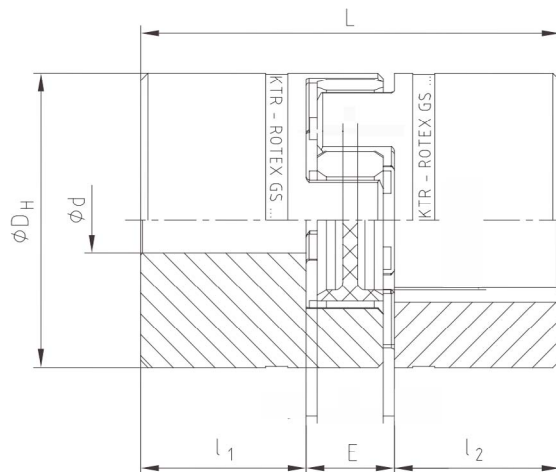
- **High-Quality Spider Design**
- **Handles the Most Demanding Applications**
- **Max Torque of 460 in-lb.**
- **Allows for Different Bore Diameters**
- **No Backlash**
- **No Maintenance**
- **Requires Three Individual Part Numbers**
- **Easy Assembly**
- **Wide Variety of Sizes**



ROTEX® couplings are designed to transmit torque between drive and driven components via curved jaw hubs and elastomeric elements commonly known as spiders. The combination between these components provides dampening and accommodation for misalignments. This product is available in a variety of metals, elastomers and mounting configurations to meet your specific needs.

**Ordering Guideline:** There are three individual part numbers you will need for a complete coupler (i.e., 2 Hubs and 1 Spider). Please choose the hub sizes that match the criteria for your application. In addition to the hubs, you will need to choose a spider, from the spider section.

Customization options are available; allow Anaheim Automation to specify the coupling designed for your application!



Item	Dimensions						
	D <sub>H</sub>	L	l <sub>1</sub> , l <sub>2</sub>	E	b	s	a
19	1.6 (40)	2.6 (66)	1.0 (25)	0.6 (16)	0.5 (12)	0.08 (2)	0.11 (3)

Dimensions are in: inches (mm)

L011406

### Inch Bores

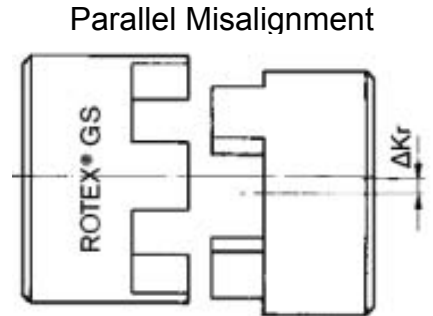
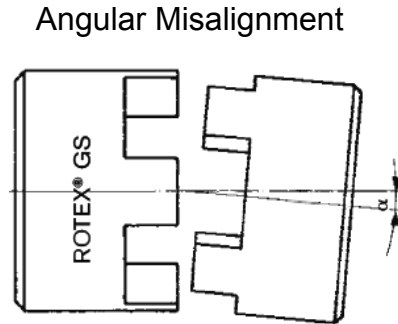
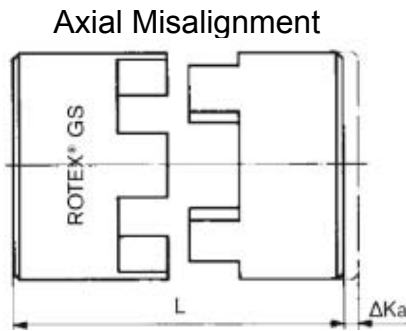
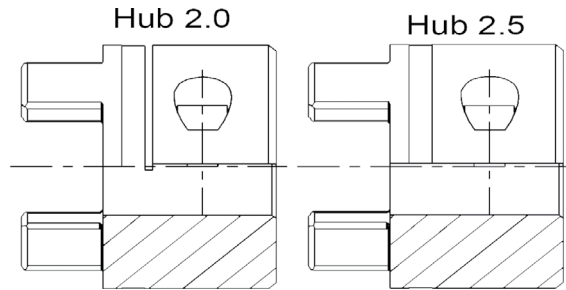
Item	Bore Diameter (in)	Hub Design	Outside Diameter (in)	Length Thru Bore "L <sub>1</sub> L <sub>2</sub> " (in)	Coupling Length "L" (in)	Setscrew Torque (in-lb)	t (in)	Material
KTR-BA550197150670	1/4	2.0, 2.5	1.57	0.98	2.60	92.9	0.39	Aluminum
KTR-BA550197150770	5/16	2.0, 2.5	1.57	0.98	2.60	92.9	0.39	Aluminum
KTR-BA550197150970	3/8	2.0, 2.5	1.57	0.98	2.60	92.9	0.39	Aluminum
KTR-BA550197151170	7/16	2.0, 2.5	1.57	0.98	2.60	92.9	0.39	Aluminum
KTR-BA550197151270	1/2	2.0, 2.5	1.57	0.98	2.60	92.9	0.39	Aluminum
KTR-BA550197151470	9/16	2.0, 2.5	1.57	0.98	2.60	92.9	0.39	Aluminum
KTR-BA550197151570	5/8	2.0, 2.5	1.57	0.98	2.60	92.9	0.39	Aluminum
KTR-BA550197151770	11/16	2.0, 2.5	1.57	0.98	2.60	92.9	0.39	Aluminum
KTR-BA550197151970	3/4	2.0, 2.5	1.57	0.98	2.60	92.9	0.39	Aluminum

### Metric Bores

Item	Bore Diameter (mm)	Hub Design	Outside Diameter (mm)	Length Thru Bore "L <sub>1</sub> L <sub>2</sub> " (mm)	Coupling Length "L" (mm)	Setscrew Torque (Nm)	t (mm)	Material
KTR-BA550197150850	8	2.0, 2.5	40	24.892	66	10.496	10	Aluminum
KTR-BA550197150950	9	2.0, 2.5	40	24.892	66	10.496	10	Aluminum
KTR-BA550197151050	10	2.0, 2.5	40	24.892	66	10.496	10	Aluminum
KTR-BA550197151150	11	2.0, 2.5	40	24.892	66	10.496	10	Aluminum
KTR-BA550197151250	12	2.0, 2.5	40	24.892	66	10.496	10	Aluminum
KTR-BA550197151450	14	2.0, 2.5	40	24.892	66	10.496	10	Aluminum
KTR-BA550197151550	15	2.0, 2.5	40	24.892	66	10.496	10	Aluminum
KTR-BA550197151650	16	2.0, 2.5	40	24.892	66	10.496	10	Aluminum
KTR-BA550197151850	18	2.0, 2.5	40	24.892	66	10.496	10	Aluminum
KTR-BA550197151950	19	2.0, 2.5	40	24.892	66	10.496	10	Aluminum
KTR-BA550197152050	20	2.0, 2.5	40	24.892	66	10.496	10	Aluminum

### Spiders

Item	Color	Material	Type/Hardness	Max Speed (RPM)	Rated Torque (in-lb)	Max Torque (in-lb)	Mass Moment of Inertia (lb-in-sec <sup>2</sup> )
KTR-550191000003	Blue	Polyamide	80 Shore-A-GS	9,550	43	87	1.19 x 10 <sup>-5</sup>
KTR-550191000001	Yellow	Polyamide	92 Shore-A-GS	9,550	89	177	1.19 x 10 <sup>-5</sup>
KTR-550191000002	Red	Polyamide	95/98 Shore A-GS	9,550	150	301	1.19 x 10 <sup>-5</sup>
KTR-550191000025	Green	Hytrel	64 Shore D-H-GS	9,550	186	372	1.19 x 10 <sup>-5</sup>



Misalignments

Size	Spider GS	(in) Axial $\Delta Ka^2$	(in) Parallel $\Delta Kr$	(degree) Angular a
19	80	+0.047 -0.020	0.008	1.1
	92		0.006	1.0
	98		0.004	0.9
	64		0.002	0.8