

FEATURES

- High-Quality Spider Design
- Handles the Most Demanding Applications
- Max Torque of 18,976 in-lb.
- Allows for Different Bore Diameters
- No Backlash
- No Maintenance
- Requires Three Individual Part Numbers
- Easy Assembly
- Wide Variety of Sizes



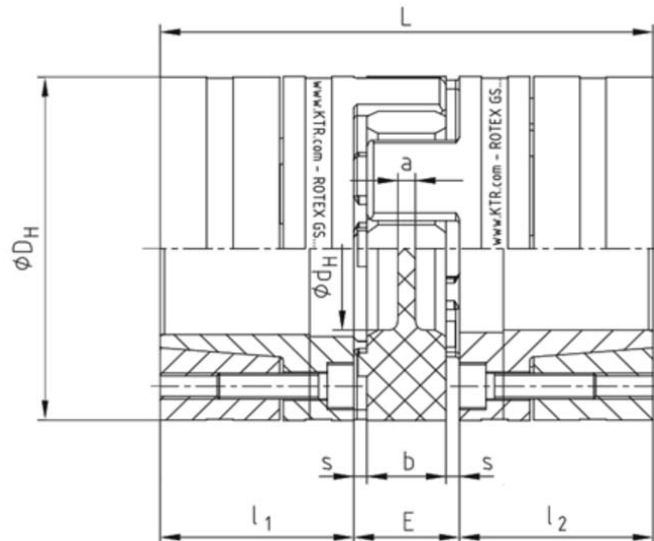
DESCRIPTION

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!

DIMENSIONS



Item	Dimensions in (mm)						
	D_H	L	l_1, l_2	E	b	s	a
55	4.7 (120)	6.3 (160)	2.6 (65)	1.2 (30)	0.9 (22)	0.16 (4)	0.16 (5)

Dimensions are in: inches (mm)

L011426

Inch Bores

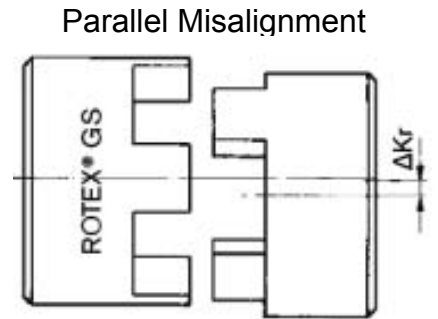
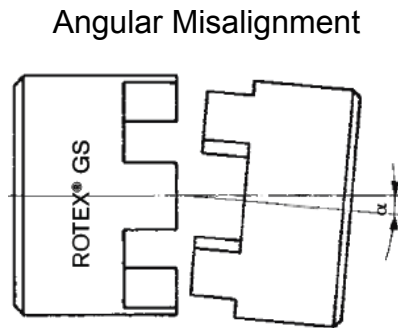
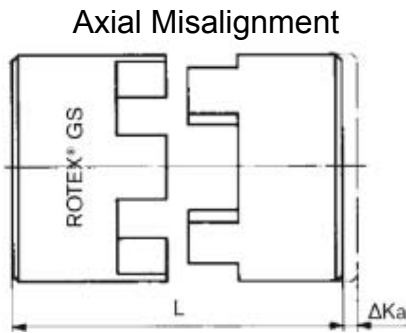
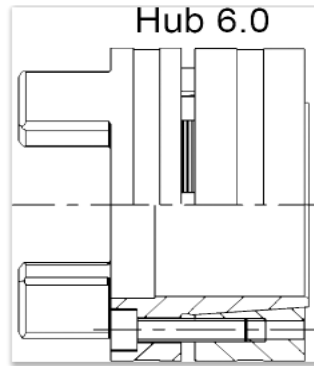
Item	Bore Diameter (in)	Hub Design	Outside Diameter (in)	Length Thru Bore "L ₁ L ₂ " (in)	Coupling Length "L" (in)	Setscrew Torque (in-lb)	Material
KTR-BA550555053481	1 3/8	6.0	4.72	2.56	6.30	611	Steel
KTR-BA550555053881	1 1/2	6.0	4.72	2.56	6.30	611	Steel
KTR-BA550555054181	1 5/8	6.0	4.72	2.56	6.30	611	Steel
KTR-BA550555054481	1 3/4	6.0	4.72	2.56	6.30	611	Steel
KTR-BA550555054781	1 7/8	6.0	4.72	2.56	6.30	611	Steel
KTR-BA550555055081	2	6.0	4.72	2.56	6.30	611	Steel
KTR-BA550555055381	2 1/8	6.0	4.72	2.56	6.30	611	Steel
KTR-BA550555055781	2 1/4	6.0	4.72	2.56	6.30	611	Steel
KTR-BA550555056081	2 3/8	6.0	4.72	2.56	6.30	611	Steel
KTR-BA550555056381	2 1/2	6.0	4.72	2.56	6.30	611	Steel
KTR-BA550555056681	2 5/8	6.0	4.72	2.56	6.30	611	Steel
KTR-BA550555056981	2 3/4	6.0	4.72	2.56	6.30	611	Steel

Metric Bores

Item	Bore Diameter (mm)	Hub Design	Outside Diameter (mm)	Length Thru Bore "L ₁ L ₂ " (mm)	Coupling Length "L" (mm)	Setscrew Torque (Nm)	Material
KTR-BA550555053580	35	6.0	120	65.024	160	69.033	Steel
KTR-BA550555053880	38	6.0	120	65.024	160	69.033	Steel
KTR-BA550555054080	40	6.0	120	65.024	160	69.033	Steel
KTR-BA550555054280	42	6.0	120	65.024	160	69.033	Steel
KTR-BA550555054580	45	6.0	120	65.024	160	69.033	Steel
KTR-BA550555054880	48	6.0	120	65.024	160	69.033	Steel
KTR-BA550555055080	50	6.0	120	65.024	160	69.033	Steel
KTR-BA550555055580	55	6.0	120	65.024	160	69.033	Steel
KTR-BA550555056080	60	6.0	120	65.024	160	69.033	Steel
KTR-BA550555056580	65	6.0	120	65.024	160	69.033	Steel
KTR-BA550555057080	70	6.0	120	65.024	160	69.033	Steel

Spiders

Item	Color	Material	Type/Hardness	Max Speed (RPM)	Rated Torque (in-lb)	Max Torque (in-lb)	Mass Moment of Inertia (lb-in-sec ²)
KTR-550551000001	Yellow	Polyurethane	92 Shore-A-GS	9,100	2,744	5,488	1.19 x 10 ⁻³
KTR-550551000002	Red	Polyurethane	95/98 Shore-A-GS	9,100	4,647	9,294	1.19 x 10 ⁻³
KTR-550551000005	Green	Polyurethane	64 Shore D-H-GS	9,100	5,797	9,294	1.19 x 10 ⁻³



Misalignments

Size	Spider GS	(in) Axial ΔKa^2	(in) Parallel ΔKr	(degree) Angular a
55	92	+0.087 -0.039	0.009	1.0
	98		0.007	0.9
	64		0.005	0.8
	72		0.004	0.7