

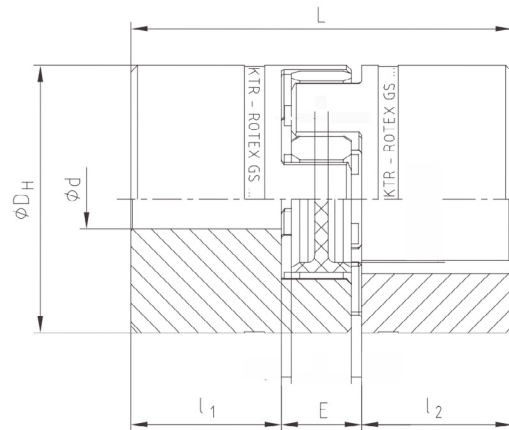
- High-Quality Spider Design
- Handles the Most Demanding Applications
- Max Torque of 7,169 in-lb.
- Allows for Different Bore Diameters
- No Backlash
- No Maintenance
- Requires Three Individual Part Numbers
- Easy Assembly
- Wide Variety of Sizes



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 _H	L	l ₁ , l ₂	E	b	s	a
38	3.1 (80)	4.5 (114)	1.8 (45)	0.9 (24)	0.7 (18)	0.11 (3)	0.16 (4)

Dimensions are in: inches (mm)

L011409

Inch Bores

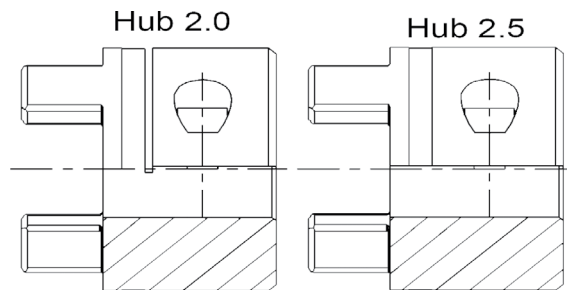
Item	Bore Diameter (in)	Hub Design	Outside Diameter (in)	Length Thru Bore "L ₁ L ₂ " (in)	Coupling Length "L" (in)	Setscrew Torque (in-lb)	t (in)	Material
KTR-BA550387151470	9/16	2.0, 2.5	3.15	1.77	4.49	221	0.59	Aluminum
KTR-BA550387151570	5/8	2.0, 2.5	3.15	1.77	4.49	221	0.59	Aluminum
KTR-BA550387151970	3/4	2.0, 2.5	3.15	1.77	4.49	221	0.59	Aluminum
KTR-BA550387152270	7/8	2.0, 2.5	3.15	1.77	4.49	221	0.59	Aluminum
KTR-BA550387152570	1	2.0, 2.5	3.15	1.77	4.49	221	0.59	Aluminum
KTR-BA550387152870	1 1/8	2.0, 2.5	3.15	1.77	4.49	221	0.59	Aluminum
KTR-BA550387153170	1 1/4	2.0, 2.5	3.15	1.77	4.49	221	0.59	Aluminum
KTR-BA550387153470	1 3/8	2.0, 2.5	3.15	1.77	4.49	221	0.59	Aluminum
KTR-BA550387153870	1 1/2	2.0, 2.5	3.15	1.77	4.49	221	0.59	Aluminum
KTR-BA550387154470	1 3/4	2.0, 2.5	3.15	1.77	4.49	221	0.59	Aluminum

Metric Bores

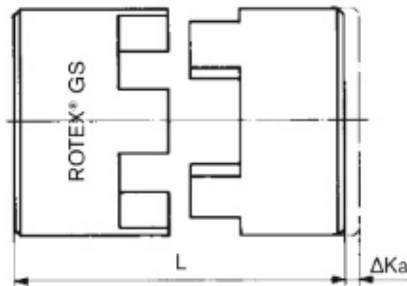
Item	Bore Diameter (mm)	Hub Design	Outside Diameter (mm)	Length Thru Bore "L ₁ L ₂ " (mm)	Coupling Length "L" (mm)	Setscrew Torque (Nm)	t (mm)	Material
KTR-BA550387151850	18	2.0, 2.5	80	44.958	114	24.969	15	Aluminum
KTR-BA550387151950	19	2.0, 2.5	80	44.958	114	24.969	15	Aluminum
KTR-BA550387152050	20	2.0, 2.5	80	44.958	114	24.969	15	Aluminum
KTR-BA550387152250	22	2.0, 2.5	80	44.958	114	24.969	15	Aluminum
KTR-BA550387152450	24	2.0, 2.5	80	44.958	114	24.969	15	Aluminum
KTR-BA550387152550	25	2.0, 2.5	80	44.958	114	24.969	15	Aluminum
KTR-BA550387152850	28	2.0, 2.5	80	44.958	114	24.969	15	Aluminum
KTR-BA550387153050	30	2.0, 2.5	80	44.958	114	24.969	15	Aluminum
KTR-BA550387153250	32	2.0, 2.5	80	44.958	114	24.969	15	Aluminum
KTR-BA550387153550	35	2.0, 2.5	80	44.958	114	24.969	15	Aluminum
KTR-BA550387153850	38	2.0, 2.5	80	44.958	114	24.969	15	Aluminum
KTR-BA550387154050	40	2.0, 2.5	80	44.958	114	24.969	15	Aluminum
KTR-BA550387154250	42	2.0, 2.5	80	44.958	114	24.969	15	Aluminum
KTR-BA550387154550	45	2.0, 2.5	80	44.958	114	24.969	15	Aluminum

Spiders

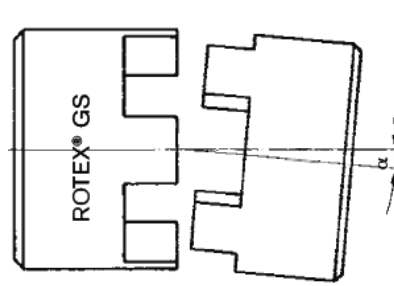
Item	Color	Material	Type/Hardness	Max Speed (RPM)	Rated Torque (in-lb)	Max Torque (in-lb)	Mass Moment of Inertia (lb-in-sec ²)
KTR-550381000001	Yellow	Polyamide	92 Shore-A-GS	4,750	1,682	3,363	3.49×10^{-4}
KTR-550381000002	Red	Polyamide	95/98 Shore A-GS	4,750	2,877	5,753	3.49×10^{-4}
KTR-550381000025	Green	Polyamide	64 Shore D-H-GS	4,750	3,585	7,169	3.49×10^{-4}



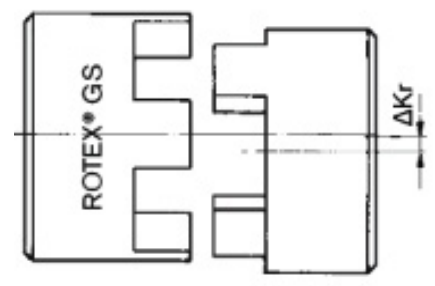
Axial Misalignment



Angular Misalignment



Parallel Misalignment



Misalignments

Size	Spider GS	(in) Axial ΔKa^2	(in) Parallel ΔKr	(degree) Angular a
38	92	+0.071 -0.028	0.007	1.0
	98		0.006	0.9
	64		0.004	0.8
	72		0.002	0.7