

FEATURES

- High-Quality Sleeve Design
- Handles the Most Demanding Applications
- Max Torque of 2,380 in-lb.
- Allows for Different Bore Diameters
- No Backlash
- No Maintenance
- Requires Three Individual Part Numbers
- Easy Assembly
- Wide Variety of Sizes

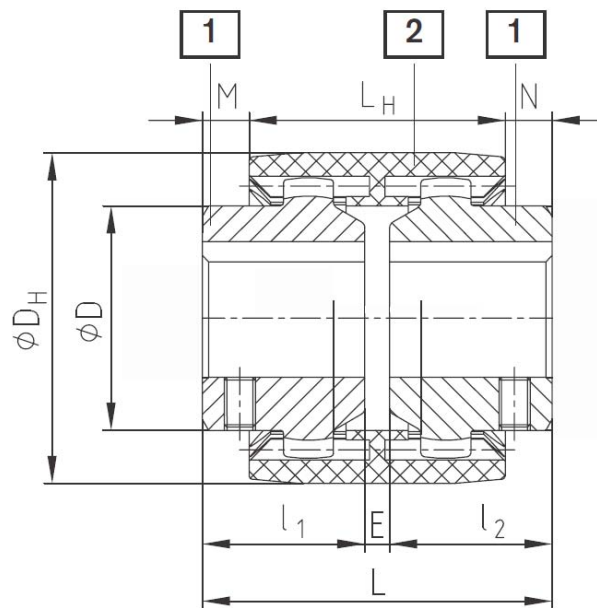


DESCRIPTION

BoWex® curved-tooth gear couplings are flexible shaft connections for a positive torque transmission and specifically suitable to compensate for axial, radial and angular shaft misalignment. According to the well known effect of curved tooth gear couplings, any edge pressure in the spline in case of angular and radial displacements is avoided so that BoWex® couplings are the most free from wear during their operation.

*Note: For a complete coupling, two Hubs and a Sleeve must be selected.

DIMENSIONS



Item	M,N in (mm)	E in (mm)	Outside Diameter in (mm)		L _H in (mm)	Length Thru Bore "l ₁ , l ₂ " in (mm)	Coupling Length "L" in (mm)
			D _H	D			
Size 32	0.30 (18)	0.16 (4)	1.57 (75)	0.98 (50)	1.46 (48)	0.91 (40)	1.97 (84)

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Inch Bores

Item	Bore Diameter (in)	Keyway (in)	Outside Diameter (in)	Length Thru Bore "L ₁ L ₂ " (in)	Coupling Length "L" (in)	Material
KTR-BA010322071500	5/8	3/16	2.95	1.57	3.31	Sintered Steel
KTR-BA010322071911	3/4	No Key	2.95	1.57	3.31	Sintered Steel
KTR-BA010322071901	3/4	1/8	2.95	1.57	3.31	Sintered Steel
KTR-BA010322071900	3/4	3/16	2.95	1.57	3.31	Sintered Steel
KTR-BA010322072000	13/16	3/16	2.95	1.57	3.31	Sintered Steel
KTR-BA010322072211	7/8	No Key	2.95	1.57	3.31	Sintered Steel
KTR-BA010322072200	7/8	3/16	2.95	1.57	3.31	Sintered Steel
KTR-BA010322072202	7/8	1/4	2.95	1.57	3.31	Sintered Steel
KTR-BA010322072300	15/16	1/4	2.95	1.57	3.31	Sintered Steel
KTR-BA010322072500	1	1/4	2.95	1.57	3.31	Sintered Steel
KTR-BA010322072502	1	3/16	2.95	1.57	3.31	Sintered Steel
KTR-BA010322072600	1 1/16	1/4	2.95	1.57	3.31	Sintered Steel
KTR-BA010322072800	1 1/8	1/4	2.95	1.57	3.31	Sintered Steel
KTR-BA010322073000	1 1/16	1/4	2.95	1.57	3.31	Sintered Steel
KTR-BA010322073100	1 1/4	1/4	2.95	1.57	3.31	Sintered Steel
KTR-BA010322073102	1 1/4	5/16	2.95	1.57	3.31	Sintered Steel

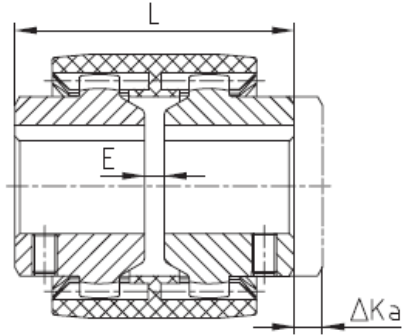
Metric Bores

Item	Bore Diameter (mm)	Keyway (mm)	Outside Diameter (mm)	Length Thru Bore "L ₁ L ₂ " (mm)	Coupling Length "L" (mm)	Material
KTR-BA010322001800	18	18	75	40	84	Sintered Steel
KTR-BA010322001900	19	19	75	40	84	Sintered Steel
KTR-BA010322002000	20	20	75	40	84	Sintered Steel
KTR-BA010322002200	22	22	75	40	84	Sintered Steel
KTR-BA010322002400	24	24	75	40	84	Sintered Steel
KTR-BA010322002500	25	25	75	40	84	Sintered Steel
KTR-BA010322002800	28	28	75	40	84	Sintered Steel
KTR-BA010322003000	30	30	75	40	84	Sintered Steel
KTR-BA010322003200	32	32	75	40	84	Sintered Steel

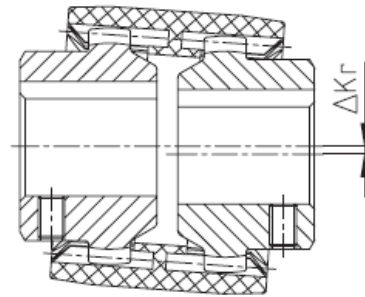
Sleeve

Item	Type/Design	Material	Rated Power (HP)	Max. Power (HP)	Rated Torque (in-lb)	Max Torque (in-lb)	Max. Speed (rpm)	Mass Moment of Inertia (lb-in-sec ²)
KTR-010321000000	M	Polyurethane	0.0084	0.0255	530	1,590	7,500	0.0010
KTR-010321000005	M...C	Carbon Fiber Polyurethane	0.0121	0.0375	790	2,380	7,500	0.0010
KTR-010321000020	AS	Polyurethane	0.0084	0.0255	530	1,590	7,500	0.00243

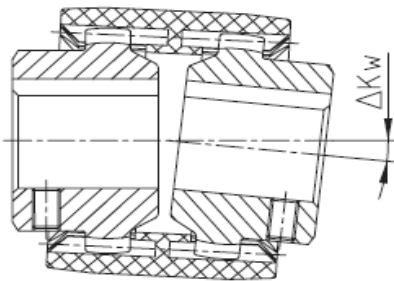
Axial Misalignment



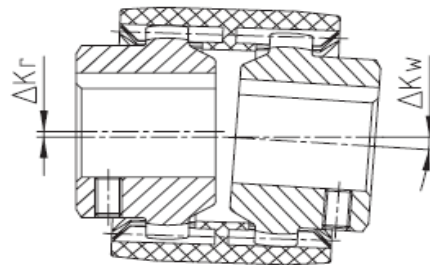
Parallel Misalignment



Angular Misalignment



Parallel and Angular Misalignment



Misalignments

BoWex® Size	32
Maximum Axial Misalignment ΔK_a [in]	± 0.040
1500 RPM	
Maximum Parallel Misalignment ΔK_r [°]	± 0.014
Maximum Angular Misalignment ΔK_w [°]	± 0.035
3000 RPM	
Maximum Parallel Misalignment ΔK_r [°]	± 0.009
Maximum Angular Misalignment ΔK_w [°]	± 0.024