

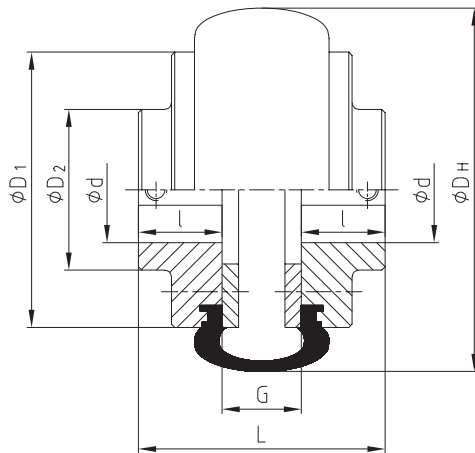
Tyre couplings

Flexible, torsionally flexible couplings

Type KT



- Highly flexible, not failsafe tyre coupling
- Drive and driven machine can be radially disassembled
- Compensation for larger shaft misalignments
- Temperature range from - 40 °C to + 65 °C (natural rubber)
- 25 °C to + 75 °C with fabric insert on request
- Hub materials/pressure rings: grey cast iron EN GJL-250 (GG 25)/steel S355J2G3 (St 52.3)
- Finish bore according to ISO fit H7
- Feather keyway according to DIN 6885 page 1 - JS9
- Couplings only available on request



Size	Screws			Size	Screws		
	M ₁	z = No.	T _A [Nm]		M ₁	z = No.	T _A [Nm]
KT-40	M 6x25	8	15	KT-90	M10x50	12	74
KT-45	M 6x30	8	15	KT-100	M12x50	12	128
KT-50	M 6x35	8	15	KT-110	M14x70	12	205
KT-60	M 6x30	10	15	KT-120	M16x70	12	315
KT-70	M 8x40	12	37	KT-140	M20x70	12	615
KT-80	M 8x50	12	37	KT-160	M24x80	12	1060
KT-85	M10x45	12	74	KT-180	M24x90	12	1060

Size	Torques [Nm]		Max. speed ¹⁾ [1/min]	Finish bore d (min-max)	Dimensions [mm]						Weight [kg]
	T _{KN}	T _{Kmax.}			D _H	L	D ₁	D ₂	l	G	
KT-40	22	44	4500	10 - 30	104	67	82	-	22	22	2,1
KT-45	39	78	4400	10 - 32	120	73	94	-	25	24	2,3
KT-50	57	114	4300	14 - 38	133	92	100	-	32	25	4,2
KT-60	112	224	3400	15 - 48	165	112	125	73	38	33	5,3
KT-70	172	344	2900	15 - 55	197	132	144	82	45	40	8,4
KT-80	269	538	2700	20 - 65	211	150	167	95	51	43	12,5
KT-85	325	650	2550	20 - 70	222	153	180	103	53	44	14,5
KT-90	387	774	2430	20 - 76	235	164	190	110	57	46	15,6
KT-100	536	1072	2250	25 - 85	254	178	216	124	60	48	22,0
KT-110	757	1514	2050	30 - 90	279	180	233	134	65	44	29,2
KT-120	1258	2516	1820	35 - 102	314	207	264	152	76	49	42,9
KT-140	1999	3998	1590	50 - 120	359	204	313	195	89	24	63,8
KT-160	3308	6616	1420	60 - 140	402	220	345	216	102	30	89,9
KT-180	5825	11650	1210	70 - 150	470	258	398	266	114	46	145

1) higher speeds on request

Guidelines for operating factor S_B

Application	S _B - E. motor	S _B - I. C. engine
with constant operation and low masses to be accelerated: e. g. centrifugal pumps, small ventilators, light conveyor units, ...	1,25	3,0
with unconstant operation and medium masses to be accelerated: e. g. machine tools, screw-type compressors, piston pumps, ...	1,5	3,0
with unconstant operation and large masses to be accelerated and heavy shocks: e. g. punches, piston compressors, hammer drives, cranes, ...	2,0	4,0
with unconstant operation and very large masses to be accelerated and heavy shocks: e. g. large marine propelling screws, piston compressors 1-2 cylinders, ...	3,0	5,0