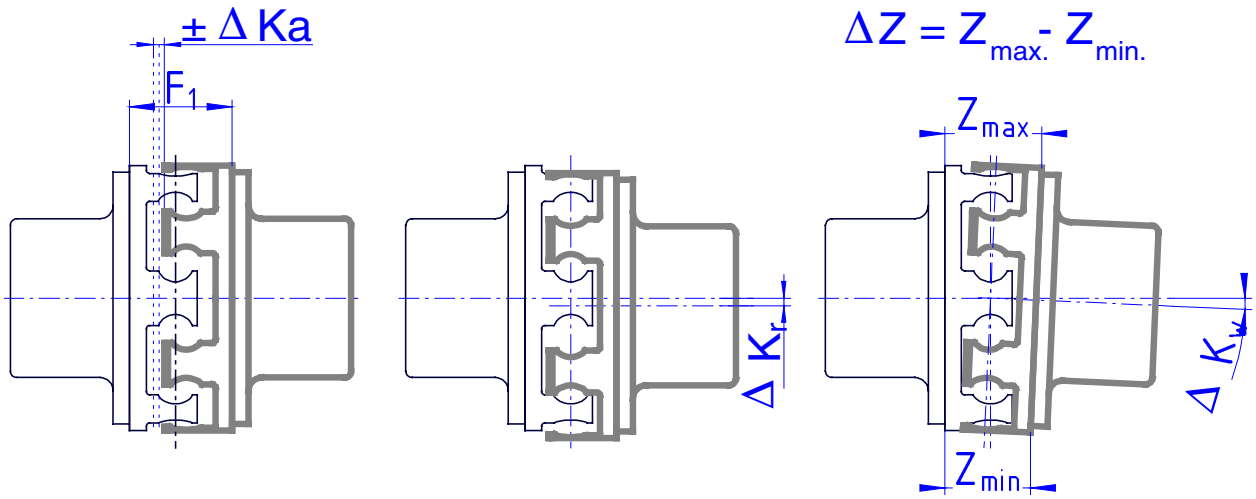
TMB series:
shaft displacement

[KW] engineering welcome to the machine
TECMEN® KUPPLUNGEN



TMB	Size	300	350	400	450	500	550	600	650	700	800	900
ΔKa	ΔKa without F_{ax_back} [N]	±2.1	±2.1	±2.4	±2.4	±2.8	±2.8	±2.8	±3.2	±3.3	±3.3	±3.3
	s ± ΔKa	3.0	3.0	3.5	3.5	4.0	4.0	4.0	4.5	5.0	5.0	5.0
	Custom design on request	6.0	6.0	7.0	7.0	8.0	8.0	8.0	9.0	10.0	10.0	10.0
		Only valid for special designs on request										
ΔKr	Max.	1.75	1.75	2.0	2.0	2.5	2.5	2.5	2.75	3.0	3.0	3.0
	Max. at 1,500 min^{-1}	0.5	0.5	0.6	0.6							
	Max. bei 500 min^{-1}	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9	1.0	1.0	1.0
ΔKw	Max. [°]	1.2°	1.0°	0.7°	0.7°	0.7°	0.6°	0.6°	0.7°	0.5°	0.5°	0.5°
	Max. [°] at 1,500 min^{-1}	0.25	0.2	0.2	0.18							
	Max. [°] at 500 min^{-1}	0.5°	0.4°	0.4°	0.35°	0.35°	0.35°	0.3°	0.3°	0.25°	0.25°	0.25°
	Δz [mm]	6.5	6.0	5.0	5.5	6.0	6.7	6.5	6.5	6.0	7.0	8.0
	Δz [mm] at 1,500 min^{-1}	1.3	1.2	1.4	1.4							
	Δz [mm] at 500 min^{-1}	2.6	2.4	2.8	2.7	3.1	3.4	3.1	3.4	3.1	3.5	3.9

The above figures are based on the maximum displacement capacity of couplings.
To accommodate the displacement occurring during system operation, the alignment values should not exceed 15% of the values stated.
Precise alignment increases the service life of couplings and protects the adjacent shafts and bearings.

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