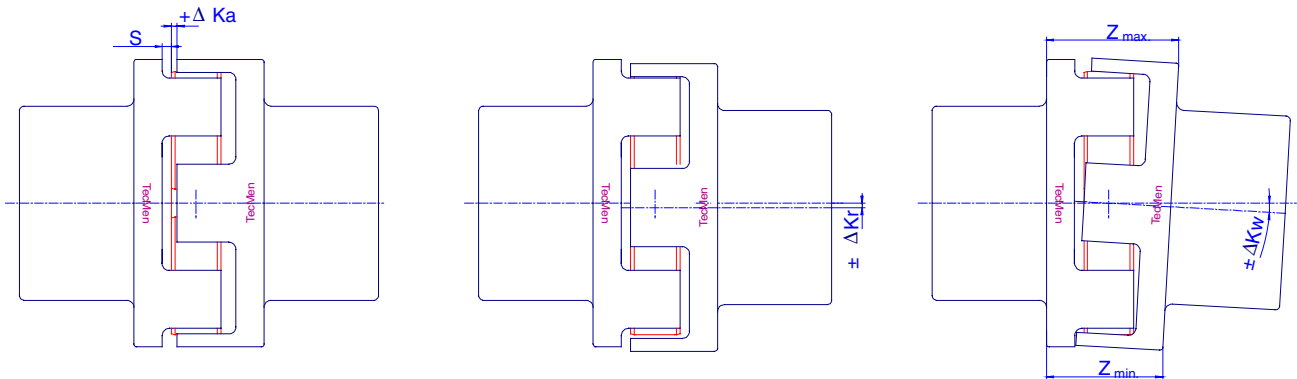


TMS series: shaft displacement



TMS	Size	40	50	70	85	100	125	145	170	200	230	260	300	360	400
ΔK_a 	$s + \Delta K_a$	2.0 +1.0	2.0 +1.5	2.5 +1.5	3.0 +2.0	3.5 +2.5	4.0 +3.0	4.5 +3.0	5.5 +3.5	6.5 +4.0	7.5 +4.5	7.5 +5.0	8.5 +5.0	9.0 +5.0	9.0 +5.0
	Max.	0.7	0.9	0.95	1.0	1.1	1.2	1.4	1.5	1.8	2.0	2.3	2.6	3.0	3.5
ΔK_r 	Max. at 1,500 min^{-1}	0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0
	Max. [°]	3.0°	2.7°	2.5°	2.4°	2.3°	2.2°	2.2°	2.2°	2.2°	2.2°	2.0°	1.9°	1.7°	1.5°
ΔK_w 	Max. [°] at 1,500 min^{-1}	1.5°	1.4°	1.2°	1.2°	1.1°	1.1°	1.1°	1.1°	1.1°	1.1°	1.0°	1.0°	0.9°	0.8°
	Max. Δz [mm]	2.2	2.4	3.0	3.6	4.2	4.8	5.4	6.6	7.8	9.0	9.0	10.0	10.0	10.0
	Δz [mm] at 1,500 min^{-1}	1.1	1.2	1.5	1.8	2.1	2.4	2.7	3.3	3.9	4.5	4.5	5.1	5.4	5.4

* Custom design

The above figures are based on the maximum displacement capacity of couplings. The figures are valid approximate values for an ambient temperature $< 30^\circ\text{C}$ and a torque of T_{KN} .

The displacement values are individual maximum values. If more than one type of displacement occurs simultaneously ($\Delta K_a + \Delta K_r + \Delta K_w$), the values may only be used proportionately.

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.