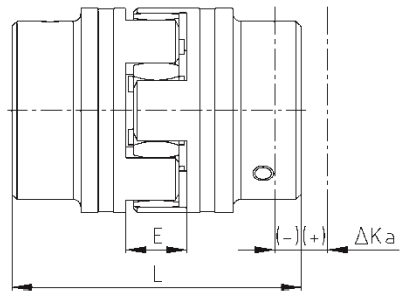
KTR Series 19 and 28 Couplings

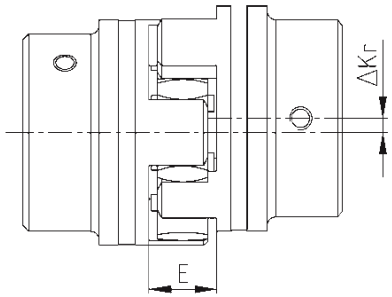
Displacements

Axial displacement ΔKa

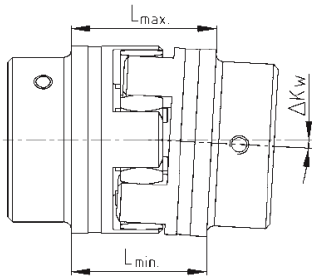


$L_{max.} = L + \Delta Ka$

Radial displacement ΔKr



Angular displacement ΔKw [degrees]



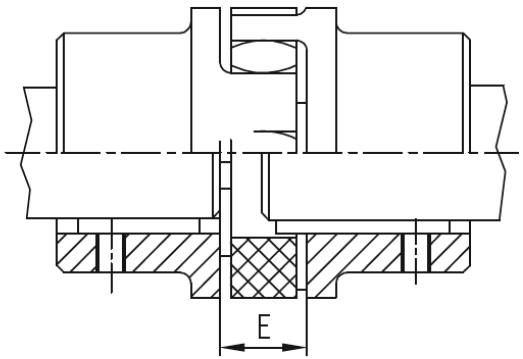
$\Delta Kw\ [mm] = L_{max} - L_{min}$

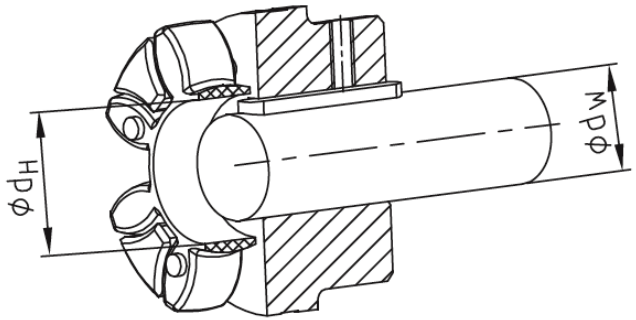
Displacements		
ROTEX Size	19	28
Max. axial displacement ΔKa [mm]	-0.5 +1.2	0.7 1.5
Max. radial displacement with n= 1500 rpm ΔKw [mm]	0.20	0.25
Max. angular displacement with n= 1500 rpm ΔKw [degree]	1.2	0.9
ΔKw [mm]	0.82	1.05

The figures mentioned of displacement of flexible ROTEX couplings are standard values taking into account the load of the coupling up to the rated torque T_{KN} and an operating speed n = 1500 rpm along with an ambient temperature of + 30° C. The displacement figures may only be used one by one - if they appear simultaneously, they must be limited in proportion. Care should be taken to maintain the distance dimension E accurately in order to allow for axial clearance of the coupling while in operation. In case of an axial shifting the dimension "L" has to be considered as a minimum dimension in order to keep the spider free from pressure on its faces.

Installation

Shaft with keyway (acc. DIN 6885) protruding into the spider Ød$_W$





Mounting Dimension		
ROTEX Size	19	28
Distance dimension E	-0.5 +1.2	0.7 1.5
Dimension d_H	0.20	0.25
Dimension d_W	1.2	0.9