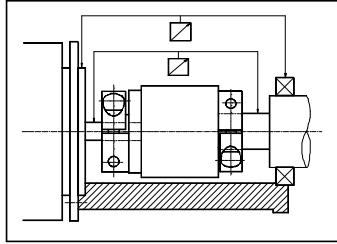


RIMTEC MAGNETIC CLUTCH MOUNTING INSTRUCTIONS

Series: MKD and HKD

MAXIMUM ACCEPTABLE MISALIGNMENT:

Check misalignment of shafts; the misalignment values must be less than or equal to the following:



Series MKD/HKD

In operation

Lateral
0.4 mm

Axial
Variable

MOUNTING

Power transmission between the clutch's hub and the shaft is effected by the pressure and the friction between the contact surfaces. Particular attention must be paid to the controlled tightening of the tensioning screws and the condition of the contact surfaces. A value of Rz <= 16 microns should not be exceeded for the mean peak-to-valley height of the shafts being joined.

- 1) Check the shaft fits for dimensional compliance, and lubricate slightly with oil. For this purpose neither oils with molybdenum disulphide additives nor other synthetic additives may be used.
- 2) Tighten the tensioning screws slightly and align the clutch.
- 3) Keyways in shafts when using our MKD and HKD series do not affect the function of the interference fit.
- 4) The tensioning screws in the MKD and HKD series are tightened subsequent to alignment using a torque wrench to the torque specified in the technical ratings table under I M (Nm):

	SIZE	2	4	10	18	30	60	150	300
Type:	DIN 912	M3	M4	M4	M5	M6	M8	M10	M12
MKD/HKD	I M = (Nm)	2	3	3	6	12	30	50	90

TORQUE ADJUSTMENT OF THE CLUTCH:

Torque is adjusted according to the following formula:

$$\text{Torque} = T_{\max} * [1 - ((x-2)/M)]$$

T_{\max} = Maximum torque of the clutch
 X = Separation distance between two halves
 M = Length of clutch

DEMOUNTING:

The clamped fastening of the MKD/HKD series is removed by loosening the tensioning screws.

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