



# Mounting Instructions for High flexible Kegelflex-Coupling

# A 310

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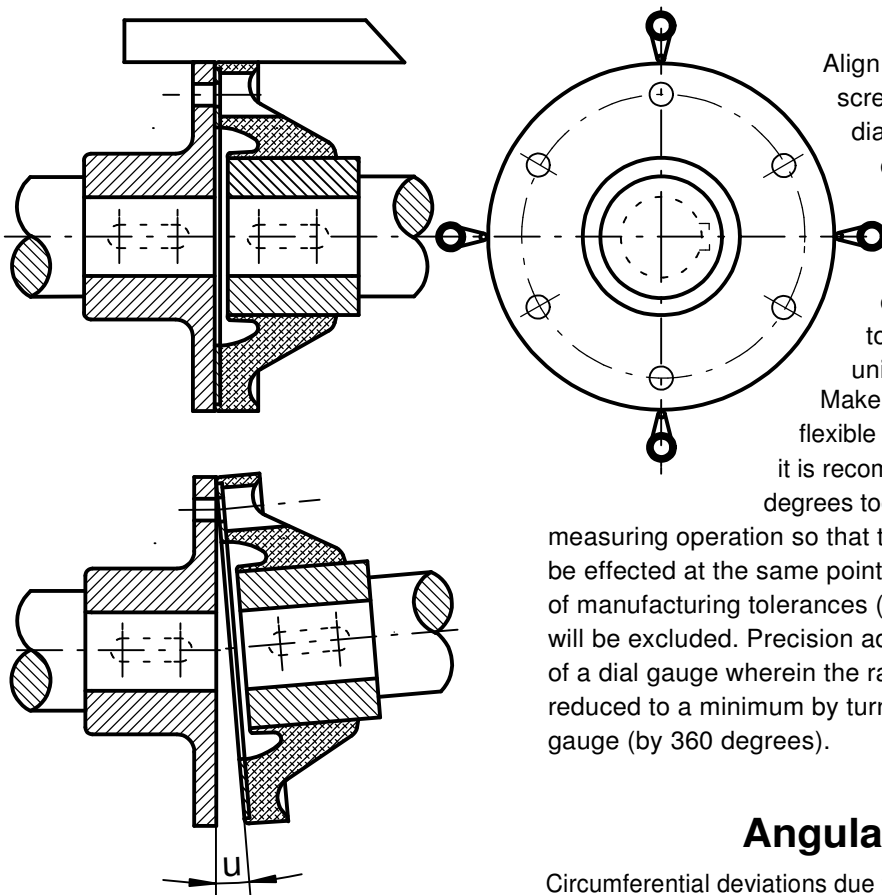
In order to ensure proper functioning of the coupling after installation, we would recommend you to observe the mounting instructions given below.

Since accurate alignment of the coupling discs will reflect on the service life of the moulded-on high flexible taper element, it is suggested to align the coupling as accurately as possible.

The capability of shifting the coupling should primarily be utilized to compensate dislocations inevitable during operation.

In case of higher speeds the alignment should be effected with utmost care.

## Radial Alignment



Align the Kegelflex-Coupling without head screws inserted. Using a straightedge (or a dial gauge in case of higher speeds), determine the radial runout of coupling discs in relation to each other at 4 measuring points offset by 90 degrees (if access is difficult 3 points at 120 degrees will be sufficient) and reduce it to a minimum by alignment of the machine units connected.

Make sure to avoid any upsetting of the high flexible taper element. If shafts can be rotated, it is recommended to turn them in steps of 90 degrees together with the coupling discs after every measuring operation so that the different measurements will always be effected at the same point of the two coupling discs. The influence of manufacturing tolerances (radial eccentricity and axial runout) will be excluded. Precision adjustment should be effected by means of a dial gauge wherein the radial runout should be checked and reduced to a minimum by turning the coupling discs without dial gauge (by 360 degrees).

## Angular Alignment

Circumferential deviations due to angular positioning shall be determined by measuring at 4 measuring points offset by 90 degrees (3 at 120 degrees) and reduced to a minimum paying attention that the high flexible taper element will not be upset.

## Axial Alignment

In order to maintain the correct spacing of both coupling discs, it is recommended to push the moulded-on outside ring onto the flange hub without upsetting the flexible taper element, however.

The moulded-on outside ring must be in uniform contact with the flange hub over its entire circumference.

Tighten the head cap screws to the torque specified below paying attention that two opposite screws will be fastened at a time.

Coupling Size	00012 KX	00025 KX	0004 KX	0008 KX	0016 KX	003 KX	005 KX	008 KX	0125 KX	02 KX	032 KX	05 KX
Screw fastening	4 x M5	6 x M5	6 x M6	8 x M6	8 x M8	8 x M10	10 x M10	10 x M12	12 x M12	10 x M16	12 x M16	16 x M16
Tightening torque	6 Nm	6 Nm	10 Nm	10 Nm	25 Nm	50 Nm	50 Nm	85 Nm	85 Nm	210 Nm	210 Nm	210 Nm