

## Mounting Instructions for

# High flexible Kegelflex-Coupling

A 310

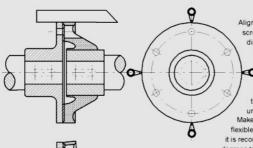
Ausgabe : H 18.02.2003

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

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



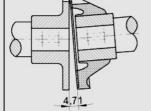
### Radial Alignment

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 degree

discs in relation to each order 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.

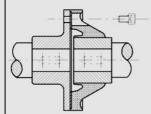
Make sure to avoid any upsetting of the high flexible taper element. If shafts can be rotated, it is recommended to turn them in steps of 90 degrees together with the coupling discs after every

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.

		00025 KX										06 KX
Screw fastening												
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