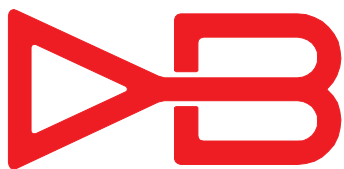


INSTALLATION INSTRUCTIONS

SERIES X



DAVID BROWN
R A D I C O N

NYLICON COUPLINGS

RMB Engineering Services Ltd

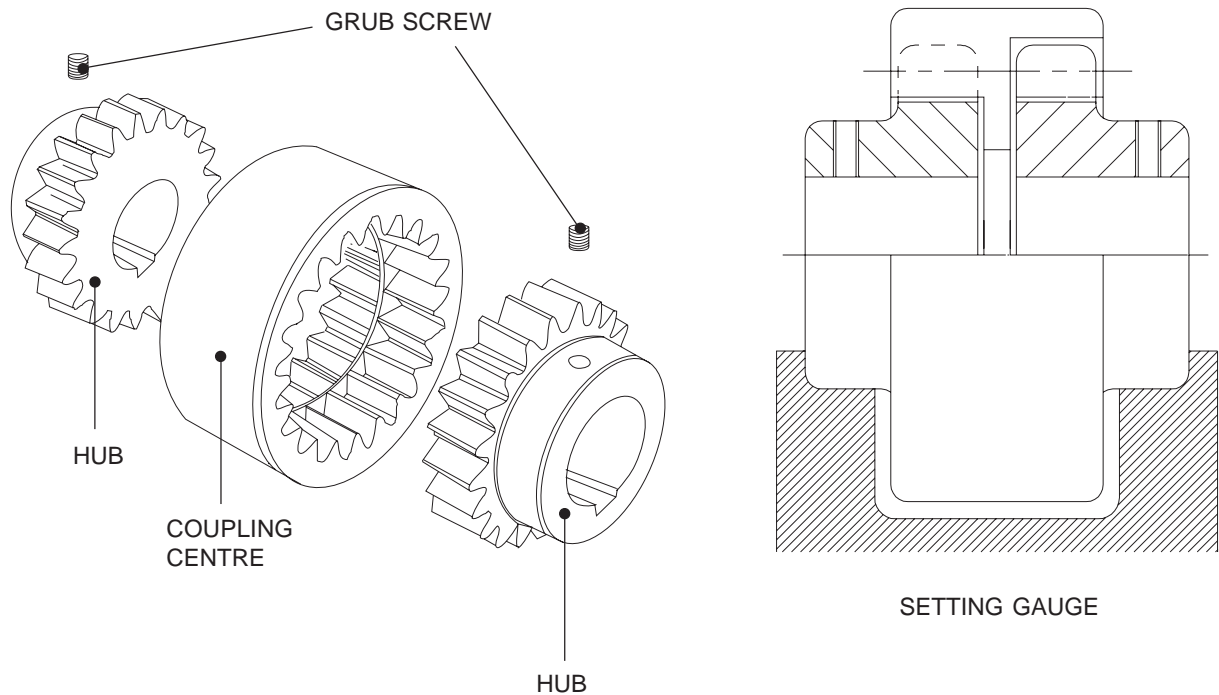
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X600 NYLICON COUPLING



INSTALLATION OF NYLICON GEAR TYPE FLEXIBLE COUPLINGS

Errors of alignment fall into categories of angularity and eccentricity, or a combination of both. While the NYLICON gear type flexible coupling compensates for a certain amount of misalignment, its life is greatly increased if any errors present are reduced as much as possible.

It is important, therefore to check the coupling for alignment with the setting gauge supplied before tightening the grub screws in the two hubs on their respective shafts.

The gauge should be placed on the coupling as shown above. Check for angular alignment using machined hub diameters. Adjust the hubs axially so that their outer faces correspond to the setting width on the gauge. The grub screws supplied can now be tightened to hold the coupling firmly.

Care taken in fitting the coupling ensures that there is correct clearance for the central buffer ring and that the two shafts are in alignment, and will give trouble free running.

There are no regular maintenance requirements for the X600 Nylicon coupling range, They are maintenance free.

- Maximum angular misalignment allowable $\pm 1 \frac{1}{2}^{\circ}$ ($\frac{3}{4}^{\circ}$ per gear mesh)
- Maximum eccentricity allowable

Size of coupling	Eccentricity allowable (mm)	Equivalent total angular misalignment
01	0.2	0.65°
02	0.2	0.41°
03	0.35	0.63°

The equivalent angular misalignment for the eccentricity should be added to the actual angular misalignment which should not exceed $1 \frac{1}{2}^{\circ}$. Equivalent angular misalignment for lesser eccentricity should be obtained by proportioning.