

Alternative bearings for TB forcers (DS01035/C)

1. Standard thrust block forcers

Thrust block (TB) motors consist primarily of the TB forcer and the thrust rod. (Ref. DR00003 to DR00009 & DR00012). The TB forcers are the same as used on the ThrustTube modules, which are all based on the THK SHW21 wide series bearing system. There are a number of direct replacement alternative bearing systems from other manufacturers, which could be used:

THK	SHW21
THK	HRW21
IKO	LWFF37
INA	KUVE15W
NSK	LW21EL

2. Alternative thrust block forcers

TB forcers with alternative bearing fixing holes are available on request. These have been based around bearing systems from Rexroth Star, but again there are alternatives from other bearing manufacturers.

The TB25 range of forcers use the **size 15** bearing system. Depending on the size of the forcer, different length bearing carriages are used. Below is a list of alternative bearing systems that could be used:

	TB2504	TB2506/08/10
Rexroth Star	1651 (Std Length)	1665 (Short Length)
IKO	LWH15B	LWEC15C1 *
INA	KUE15	-----
NSK	LY15FL	LS15KL *
SKF	LLHBS15B	-----
THK	HSR15B	-----
THK	SHS15C	SR15SB *

The TB38 range of forcers use the **size 20** bearing system. Depending on the size of the forcer, different length bearing carriages are used. Below is a list of alternative bearing systems that could be used:

	TB3806/08/10	TB3804
Rexroth Star	1651 (Std Length)	1665 (Short Length)
IKO	LWH20B	LWEC20C1 *
INA	KUE20	-----
NSK	LY20FL	LS20KL *
THK	HSR20B	-----
THK	SHS20C	SR20SB *
Thomson	AccuGlide 20 AA	-----

* No direct equivalents for the Rexroth Star bearing system incorporating the 1665 short bearing carriages have been sourced. These are alternative 'short' carriage bearing systems, of similar size and different hole pitch.

(IKO, NSK & THK systems will interchange with each other).

THIS IS NOT A COMPREHENSIVE LIST AND IS ONLY INTENDED AS A HELPFUL GUIDE.