

VRIDSTYVA KOPPLINGAR

BACKLASH FREE COUPLINGS

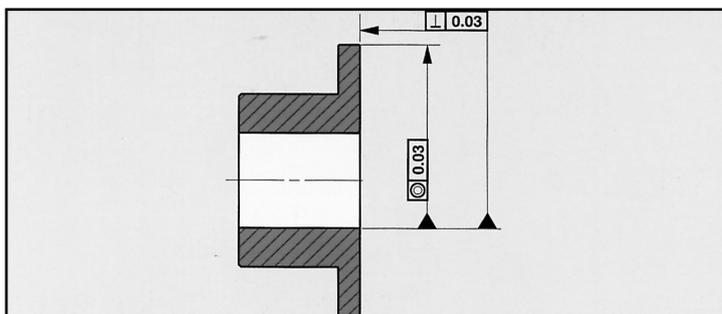
Flexsteel-data

Storlek Size	Nominellt vridmoment Nominal torque T Nm	Åtdragnings- mom./skruv Screw tightening Ts Nm		Max varvtal Max speed r/m rpm	FLEXSTEEL 1			Enkel skivsets Single spring pack		FLEXSTEEL 2			Dubbel skivsets Double spring pack		
		Kast och vinkelfel Misalignment	Tröghetsmoment Inertia J Kg m ²		Torsionsstyvhet Torsional stiffness 10°Nm/rad	Längd mellandel Spacer length mm	Kast och vinkelfel Misalignment			Tröghetsmoment Inertia Kg m ²	Torsionsstyvhet Torsional stiffness 10°Nm/rad				
							rad mm	ax ±mm	ax [°]			rad mm	ax ±mm	ax [°]	
55	32	9		10000	0	0.4	1	0.0001	0.032	38	0.40	0.8	2	0.0040	0.015
79	110	16		8400	0	0.5	1	0.0005	0.053	60 100	0.50 0.80	1.0	2	0.0019 0.0020	0.025 0.025
98	300	39		6800	0	0.6	1	0.0019	0.112	70 80 100	0.60 0.65 0.80	1.2	2	0.0056 0.0057 0.0058	0.053 0.053 0.053
124	650	77		5400	0	0.8	1	0.0060	0.254	100	0.80	1.6	2	0.0050	0.254
146	1.400	135		4600	0	1.0	1	0.0140	0.492	120	1.00	2.0	2	0.0140	0.492
173	2,000	215		3800	0	1.2	1	0.0330	0.820	140	1.20	2.4	2	0.0330	0.820
197	3,000	330		3400	0	1.4	1	0.0670	1.228	140	1.20	2.8	2	0.0670	1.228

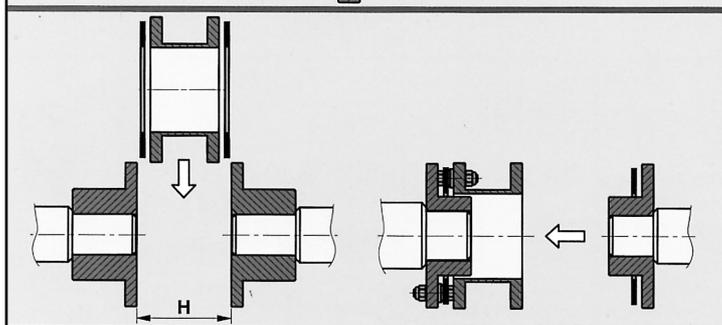
$$\varphi = \frac{180}{\pi} \frac{T}{Ck} \text{ Vridningsvinkel / Torsional angle}$$

Flexsteel tillåter dubbelt vridmoment för kortare perioder / Flexsteel allows at least twice the nominal torque for short periods of time.

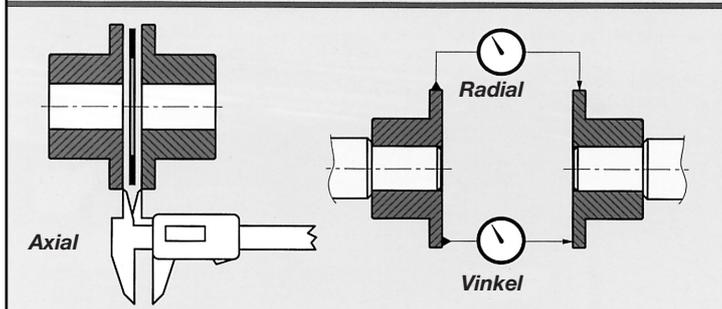
Flexsteel, montering och skötsel / Mounting and operating



Max tillåtet axial samt radial kast
Bore permissible maximum runout.



Montering av mellandel och nav.
Framåt alternativt bakåtvända
Mounting with outside and internal hubs+spacer
(where required).



Hur man mäter axial, radial och vinkelfel
How to measure: axial, offset, angular
misalignments.

Kast och vinkelfel
Misalignment

rad ax ax
mm ±mm [°]