

Marine Solutions

MEGIFLEX TC

Compact tail shaft coupling with integrated thrust bearing

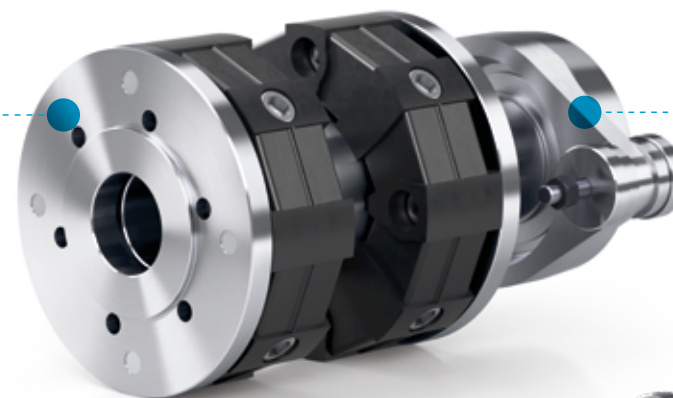
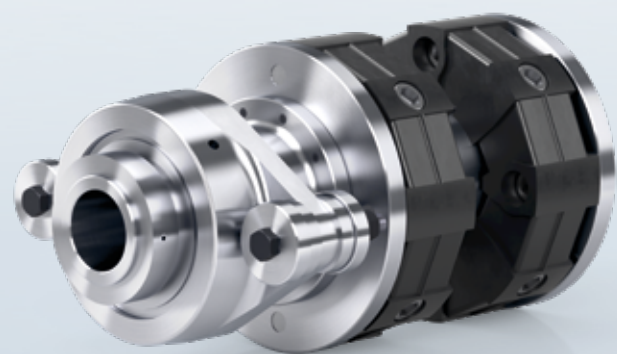
COMPACT TAIL SHAFT COUPLING WITH INTEGRATED THRUST BEARING

Customised
interfaces

Thrust bearing
(from TC35 to TC80 type)

Connection with locking device
for easy installation

MEGIFLEX B
in cardanic execution



MEGIFLEX TC

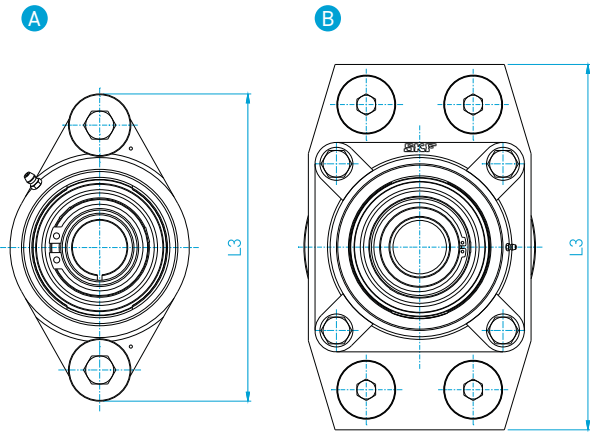
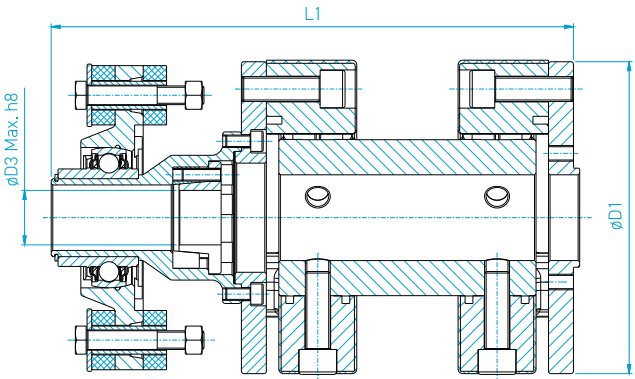
COMPACT TAIL SHAFT COUPLING WITH INTEGRATED THRUST BEARING

The **MEGIFLEX TC** is a tail shaft coupling with integrated thrust bearing for propeller shafts up to 80 diameter that includes two **MEGIFLEX B** elements in cardanic execution. Propeller thrust is absorbed by the thrust bearing flexibly mounted to vessel's frame, therefore the gearbox can be mounted on soft resilient mounts, with a global improvement to the acoustic behavior on board.

This integrated configuration allows a very compact propulsion system. The **MEGIFLEX TC** completes the well known **PROPFLEX** application range by VULKAN and it is characterized by its own design, dimensions and applications.

It has been designed and developed for installations on pleasure and small vessels (sail boats, motorboats, light duty applications mainly) where high **comfort** on board is considered a **must**. Installed in between gearbox and propeller shaft hub, it can compensate radial, angular and axial misalignments and isolate structure borne noise.

The **MEGIFLEX TC** coupling is an application engineered product with a standardised modular flexible part and project specific parts to suit specific customer's application.



Dimension group		Permissible values				Dimensions					Mass	
		T_{KN-L}^{-1}	n_{Kmax}	FS		D_1	D_3		L_1	L_3	m	
		Nominal torque	Rotational speed	Thrust bearing type	Max. thrust							
		[kNm]	[1/min]	[-]	[kN]	[mm]	[mm] Min.	[mm] Max.	[mm]	[mm]	[kg]	
A	J1040 TC35	0,155	4000	TC35	8,0	122,0	24,0	35,0	240,0	188,0	6,2	
A	J1040 TC35	0,195	4000	TC35	8,0	122,0	24,0	35,0	240,0	188,0	6,2	
A	J1240 TC35	0,285	4000	TC35	8,0	150,0	24,0	35,0	266,0	188,0	9,2	
A	J1240 TC35	0,350	4000	TC35	8,0	150,0	24,0	35,0	266,0	188,0	9,2	
A	J1430 TC40	0,325	4000	TC40	10,0	170,0	25,0	40,0	297,0	197,0	13,0	
A	J1430 TC40	0,400	4000	TC40	10,0	170,0	25,0	40,0	297,0	197,0	13,0	
A	J1630 TC40	0,520	3800	TC40	10,0	200,0	32,0	40,0	335,0	197,0	20,8	
A	J1630 TC40	0,650	3800	TC40	10,0	200,0	32,0	40,0	335,0	197,0	20,8	
A	J1640 TC50	0,780	3000	TC50	14,0	200,0	32,0	50,0	375,0	268,0	25,8	
A	J1640 TC50	0,975	3000	TC50	14,0	200,0	32,0	50,0	375,0	268,0	25,8	
A	J1740 TC50	1,040	2500	TC50	14,0	205,0	38,0	50,0	390,0	268,0	26,9	
A	J1740 TC50	1,300	2500	TC50	14,0	205,0	38,0	50,0	390,0	268,0	26,9	
B	J2140 TC60	1,820	2000	TC60	24,0	260,0	40,0	60,0	482,0	410,0	94,7	
B	J2140 TC60	2,275	2000	TC60	24,0	260,0	40,0	60,0	482,0	410,0	94,7	
B	J2840 TC80	3,250	1800	TC80	40,0	340,0	45,0	80,0	557,0	480,0	100,5	
B	J2840 TC80	4,060	1800	TC80	40,0	340,0	45,0	80,0	557,0	480,0	100,5	

APPLICATIONS

- ⊕ Installation in small crafts' propulsion driveline (sail boats, motorboats, light and medium duty)
- ⊕ Suitable for any application where high torque density is required

BENEFITS

- ⊕ Short installation length
- ⊕ Maintenance free
- ⊕ Best possible comfort
- ⊕ Optimal vibration and structure borne noise isolation
- ⊕ High torque density

1) For coupling selection, the value must be reduced by the factor for light, medium or continuous duty.