



SHAFT STIFFNESS WITH HUB INCLUDED (NO DISC)	
SIZE	[MNm / rad]
SA	18.28
SB	17.39
SC	15.58
MA	14.81
MB	14.22
MC	13.18
LA	12.45

COUPLING ASSEMBLY	D	m [kg]	J [kgm ²]	DISC STIFFNESS MULTILAYER (7 PLATES) [Nm / rad]
SAE 18	40	57	1.6	2.22 x 10 ⁸
SAE 21	35	65	2.6	2.29 x 10 ⁸

THE SHAFT STIFFNESS IS REFERRED TO DIMENSION "B" INCLUDING THE HUB OF COUPLING. DISC IS CALCULATED AS SINGULAR (tk 10.5)

SIZE	DIMENSIONS IN mm				FAN		MAIN CORE (SHAFT INCLUDED)		EXCITER CORE		TOTAL	
	A	B	C	L	m [kg]	J [kgm ²]	m [kg]	J [kgm ²]	m [kg]	J [kgm ²]	m [kg]	J [kgm ²]
SA		655			24	1.54	1095	32.40	60	1094	1179	35.03
SB	1365	680	845	1640			1165	34.60			1249	37.23
SC		740					1385	41.60			1469	44.23
MA		770					1465	44.00			1549	46.63
MB	1565	795	1045	1840			1575	47.40			1659	50.03
MC		845					1695	51.80			1779	54.43
LA	1665	885	1145	1940	1845	56.40	1929	59.03				

B	UPDATE TABLE	G.Sartori	F.Saggin	I.Graizzaro	04/09/2020
A	ADDED STIFFNESS DATA	D.Pegoraro	F.Saggin	I.Graizzaro	24/01/2020
REV	DESCRIPTION	PREP'D	CHK'D	APPR'D	DATE
ECO:	COMPONENT SUPPLIED IN ACCORDING TO:	MAT:		IND. ENG. CHK'D:	
JOB:	SURFACE TREATMENT: HEAT TREATMENT:	RAW MAT.CODE:			
	DIMENSIONS WITHOUT TOLERANCES PRECISION DEGREE: (TN F 3661)		DIMENSION: mm SCALE: 1:6	WEIGHT (kg): n/a	ATEX APPR'D:
TORSIONAL ANALYSIS DATA MJB 500/4 SINGLE BEARING GENERATORS			M00AVB31A	B	SHEET: 1 OF: 1
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