



THE SHAFT STIFFNESS IS REFERRED TO DIMENSION "C" INCLUDING THE HUB OF COUPLING. DISC IS CALCULATED AS SINGULAR.

SHAFT STIFFNESS WITH HUB INCLUDED (NO DISC)		
SIZE	SAE 11-1/2 [MNm / rad]	SAE 14 [MNm / rad]
SA	2.27	2.28
SB	2.19	2.20
MA	2.08	2.09
MB	1.93	1.94
LA	1.69	1.69
LB	1.69	1.69

COUPLING ASSEMBLY	H	N	P	m [kg]	J [kgm ²]	DISC STIFFNESS SINGLE PLATE [Nm / rad]
SAE 11 1/2	29.6	74.6	132.6	12.3	0.089	2.83 x 10 ⁷
SAE 14	19.3	60.4	118.4	12.6	0.092	2.55 x 10 ⁷
YMZ	15.7	71.5	129.5	13.2	0.204	-

SIZE	DIMENSIONS mm										FAN		SHAFT		MAIN CORE		EXCITER CORE		TOTAL							
	A		B		C		E	F	G	L		m [kg]	J [kgm ²]	m [kg]	J [kgm ²]	m [kg]	J [kgm ²]	m [kg]	J [kgm ²]	m [kg]	J [kgm ²]					
	SAE 14	SAE 11 1/2	SAE 14	SAE 11 1/2	SAE 14	SAE 11 1/2				SAE 14	SAE 11 1/2															
SA	784.9	799.1	693.4	707.6	375.9	390.1	309	138	100	814.4	828.6	5	0.12	44.7	0.052	121.6	1.31	12.5	0.081	183.8	1.563					
SB					388.4	402.6	334	113													130.1	1.39			192.3	1.643
MA	894.9	909.1	793.4	807.6	405.9	420.1	369	168	120	924.4	938.6	5	0.12	51	0.059	148	1.60	16	0.11	220	1.889					
MB					433.4	447.6	424	113													167.5	1.80			239.5	2.089
LA	1004.9	1019.1	903.4	917.6	488.4	502.6	534	113			1034.4			1048.6			57.5			0.067	209	2.26			287.5	2.557
LB																										

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
=	FIRST ISSUE	D.Pegoraro	F.Saggin	I.Graizzaro	19/09/2019
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: 1:2	WEIGHT (kg): n/a
TORSIONAL ANALYSIS DATA MXB-E 250 B2 CONSTRUCTION				M25AV002C	
				B	SHEET: 1 OF: 1

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