

FIRST ANGLE PROJECTION (ALL DIMENSION ARE IN M.M.)

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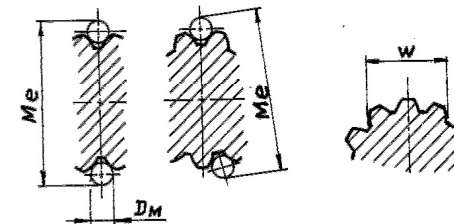
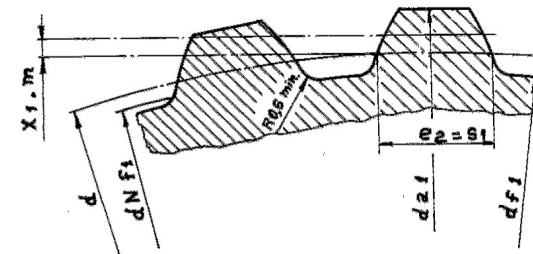
REF. DRG. NO.

SIGN & DATE

INVENTORY NO.

SL No.	DATA	SRM-300		SRM-380	
		W100x4x7h	W110x4x7h	W120x4x7h	W130x4x7h
1	REFERENCE DIAMETER	100	110	120	130
2	No. OF SPLINES	24	26	28	31
3	PITCH CIRCLE DIAMETER d	96	104	112	124
4	BASE DIAMETER d_b	83.138	90.067	96.995	107.387
5	MAJOR DIAMETER d_{a1} h_{11}	99.2	109.2	119.2	129.2
6	MINOR DIAMETER d_{f1}	91.2	101.2	111.2	121.2
7	FORM DIAMETER d_{nf1}	91.92	101.91	111.91	121.91
8	EXTERNAL ADDENDUM MODIFICATION $x_{1.0} m$	-0.2	+0.8	+1.8	+0.8
9	SPLINE WIDTH $e_2 = S_1$	6.052	7.207	8.362	7.207
10	PIN DIAMETER D_M	8	8	8	8
11	DIMENSION OVER PINS M_e	108.435 ^{108.373} _{108.412}	118.217	127.969	138.115
12	ALLOWANCE FACTOR A_{me}	1.54	1.5	1.47	1.53
13	No. OF MEASURING SPLINES	—	5	6	6
14	DIMENSION OVER SPLINES W. NOMINAL	—	54.614	66.869	66.428
15	„ „ „ W MAX.	—	54.599	66.854	66.413
16	„ „ „ W MIN.	—	54.575	66.830	66.389
17	CONCENTRICITY ERROR	0.020	0.022	0.022	0.022
18	DIRECTIONAL ERROR OF SPLINE FLANK	0.027	0.027	0.027	0.027/100

MODULE 4



TOLERANCE FIELD : 7h

FOR FURTHER DATA REFER DIN 5480 PART 9

DRIVE SHAFTS: 10.ST.115.02.037&042



BHARAT HEAVY ELECTRICALS LIMITED.
SEAMLESS STEEL TUBE PLANT TIRUCHIRAPPALLI 620014

DEPT	CODE	SCALE	WEIGHT (Kg)	REF. TO ASSY DRG.	ITEM NO.
INVOOLUTE SPLINES DATA (FOR DRIVE SHAFT)		DRAWN: R. Kumar		NAME: SIGN: DATE:	
		CHECKED: S. R. S. S.			
		APPROVED: R. S. S.			
DIMENSIONS TO BE CONTROLLED WITHIN LIMITS AS SHOWN MACHINING TOLERANCE ± 0.25 M.M. UNLESS OTHERWISE SHOWN NON-MACHINING TOLERANCE $\pm$		CARD CODE	DRAWING NO. 30.ST.115.01.233		KEY
			SHEET NO.		NO. OF SHEETS