



ROW	DESCRIPTION	UNITS	VALUE
01	SPRING NUMBER		5107920E
02	OUTSIDE DIA. MAX. LIMIT	(mm)	298
03	SPRING RATE (±4%)	(Kg/mm)	232.114
04	SOLID DEFLECTION ΔL min.	(mm)	103
05	INITIAL LOADING P_{ini}	(Kgs)	3586.2
06	TEST DEFLECTION Δ	(mm)	72.1
07	LOAD AT TEST	P_1 MIN.	(Kgs) 19488.4
	DEFLECTION	P_2 MAX.	(Kgs) 21154.8

ROW	DESCRIPTION	UNITS	VALUE
08	TILT DEFLECTION	(mm)	87.6
09	EFFECTIVE NO.OF COILS	NOS	6.3 ± 0.5
10	SPRING WEIGHT	(Kgs)	86.4
11	PITCH	(mm)	73.1 ± 1.9
12	DEVELOPED LENGTH OF ROD	(mm)	4493
13	RAW MATERIAL LENGTH	(mm)	5971
14	RAW MATERIAL WEIGHT	(Kgs)	—
15	PROCESS OF MANUFACTURE	HOT/COLD COILING	

NOTES:

1. MANUFACTURE & WORKMANSHIP SHALL BE IN ACCORDANCE WITH APPLICABLE PROCEDURE FOR IBR SPRINGS.
2. DATA GIVEN IN ROWS 11 TO 13 ARE FOR REFERENCE ONLY. SPRING VENDOR TO DECIDE SUITABILITY.
3. ACCEPTABLE SPRING MATERIALS TO ATTEST:
ASTM A681-H12/H21 OR BS 4659-BH12/BH21
4. SPRING VENDOR IS RESPONSIBLE FOR STRESS RELIEVING, TEMPERING AND OTHER HEAT TREATMENTS AND CONTROLS TO INSURE MINIMUM STRESSED SPRINGS.
5. TEST CERTIFICATE TO BE OBTAINED WITH THE INSPECTING AUTHORITY APPROVED UNDER IBR 1950.
6. SPRINGS SHALL BE ALUMINIZED, USING EITHER BAKED-ON PAINT OR MOLTEN ALUMINIUM.

REV.	ALTD:	REV.	ALTD:
	CHKD:		CHKD:
	APPD:		APPD:

 365-081/A 08.09.2020	DRAWN	J.DHANABAL	SIGN	08.02.2022
	CHECKED	R.RABIN	SIGN	08.02.2022
	APPROVED	S.MADHULINGAM	SIGN	08.02.2022

TITLE		SPRING	
DRG No.		4-V-J792-23911	REV. 00