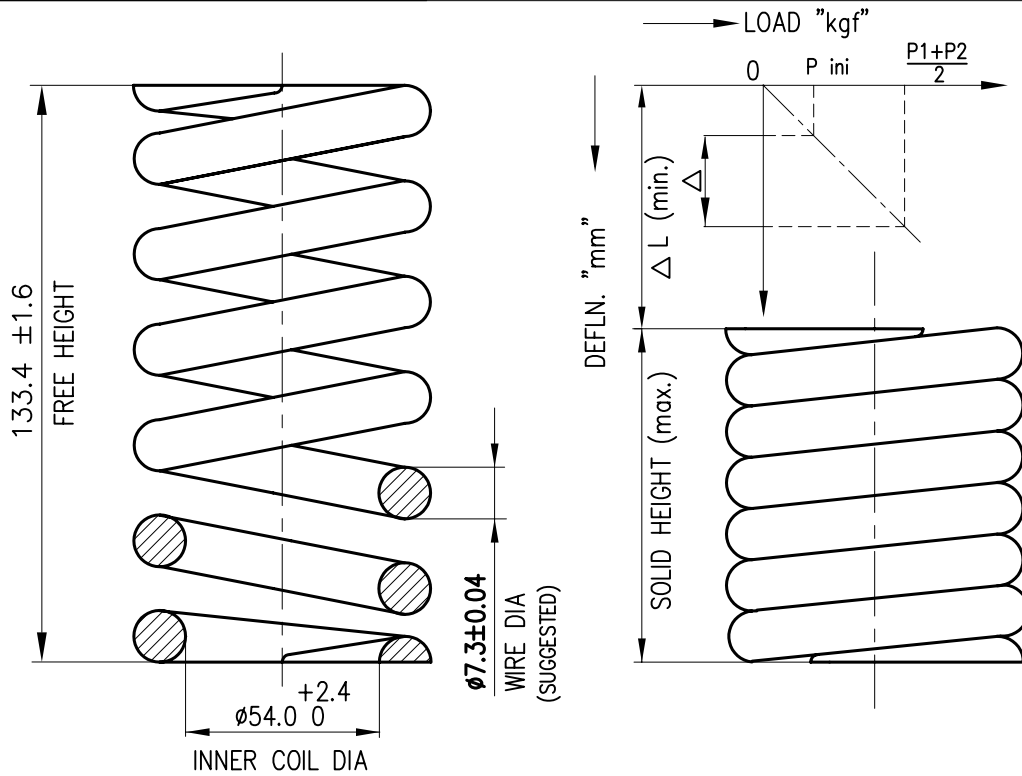


Technical Specifications

Sl.No	Item Description and Technical Specifications	Qty (Nos.)	Vendor's Confirmation /Acceptance
1	<p>Spring as per BHEL Drg. - 4-V-J252-23764 (REV.00)</p> <p>Note: (1) All the materials should be manufactured as per the drawing. (2) All the relevant Test Certificates should be produced before despatch. (3) BHEL shall issue despatch clearance within a week of receipt of the complete aforementioned TC. (4) Delivery at BHEL to be within 60 days from the date of PO.</p>	2	

Supplier's Signature & Seal

CAUTION : The information of this document is the property of BHARAT HEAVY ELECTRICALS LIMITED. It must not be used directly or indirectly in any way detrimental to the interest of the company.



ROW	DESCRIPTION	UNITS	VALUE
01	SPRING NUMBER	0102520CR	
02	MAX. OUTSIDE DIA	(mm)	85.7
03	SPRING RATE	(Kg/mm)	1.946
04	AVERAGE DEFLECTION ΔL min.	(mm)	77.0
05	INITIAL LOADING P_{ini}	(Kgs)	22.5
06	TEST DEFLECTION Δ	(mm)	53.9
07	LOAD AT TEST	P_1 MIN.	(Kgs) 122.1
	DEFLECTION	P_2 MAX.	(Kgs) 132.6
08	TILT DEFLECTION	(mm)	65.4

ROW	DESCRIPTION	UNITS	VALUE
09	EFFECTIVE NO. OF COILS	NOS	6.4 ± 0.5
10	SPRING WEIGHT	(Kgs)	0.436
11	PITCH	(mm)	20.3 ± 0.7
12	DEVELOPED LENGTH OF ROD	(mm)	1327
13	RAW MATERIAL DIA x LENGTH	(mm)	--
14	RAW MATERIAL WEIGHT	(Kgs)	--
15	RAW MATERIAL CODE	--	
16	SPRING CODE	974627740900/ 964156170900	
17	PROCESS OF MANUFACTURE	HOT/COLD COILING (NOTE-4)	

NOTES:

1. MANUFACTURE & WORKMANSHIP SHALL BE IN ACCORDANCE WITH APPLICABLE PROCEDURE FOR **IBR** SPRINGS.
2. DATA GIVEN IN ROWS 11 TO 14 ARE FOR REFERENCE ONLY. SPRING VENDOR TO DECIDE SUITABILITY.
3. ACCEPTABLE SPRING MATERIALS TO **ATTEST**:
ASTM A304-6150H, ASTM A322-6150, BS970/2-735A51, BS970/2-735H51, BS2803-735A50, BS2803-685A55.
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 LLOYD'S SIGNATURE IF IMPORTED, IF INDIGENOUSLY PROCURED, CERTIFICATE BY "STATE BOILER INSPECTORATE" IS REQUIRED.

REV. 02	ALTD:	REV. 01	ALTD:
	CHKD:		CHKD:
	APPD:		APPD:

	NAME	SIGN	DATE
DRAWN	G.VENKATESWARALU		23.05.07
CHECKED	E.Athiannavi		23.05.07
APPROVED	E.Athiannavi		23.05.07

TITLE		SPRING	
DRG No.	4-V-J252-23764		REV. 00