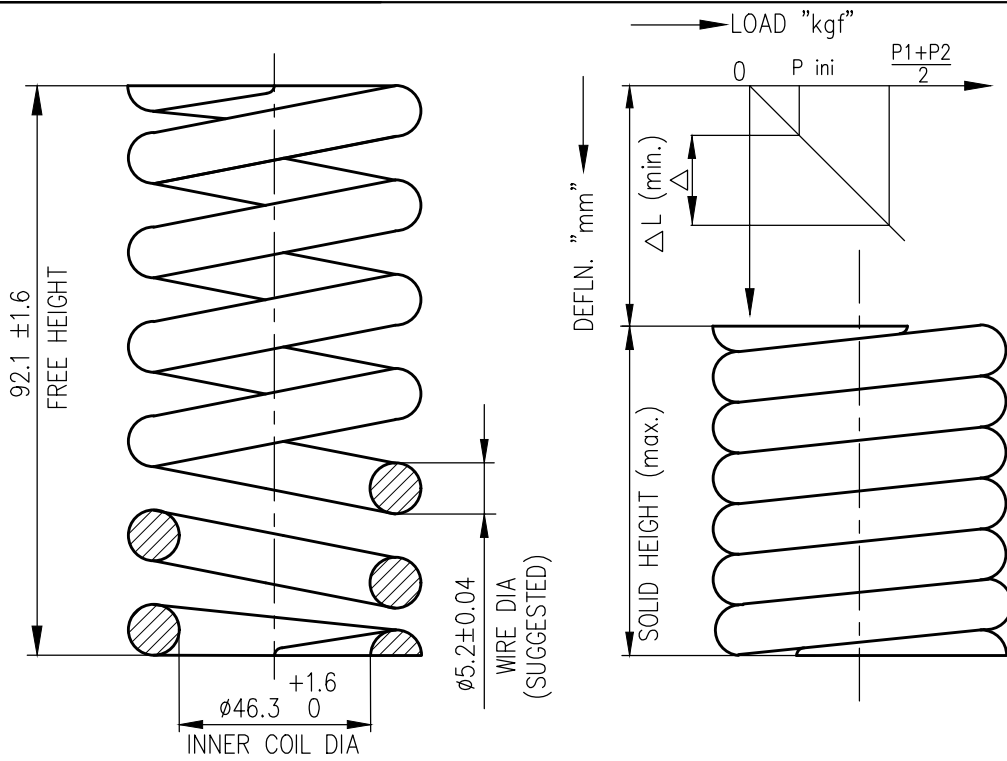


Technical Specifications

Sl.No	Item Description and Technical Specifications	Qty (Nos.)	Vendor's Confirmation /Acceptance
1	<p>Spring as per BHEL Drg. - 4-V-J201-23538 (REV.00)</p> <p>Note:</p> <p>(1) All the materials should be manufactured as per the drawing.</p> <p>(2) All the relevant Test Certificates should be produced before despatch.</p> <p>(3) BHEL shall issue despatch clearance within a week of receipt of the complete aforementioned TC.</p> <p>(4) Delivery at BHEL to be within 60 days from the date of PO.</p>	2	

Supplier's Signature & Seal

ALL DIMENSIONS ARE IN MM



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		0102014CR
02	OUTSIDE DIA. MAX. LIMIT	(mm)	69.9
03	SPRING RATE (±4%)	(Kg/mm)	1.071
04	SOLID DEFLECTION ΔL min.	(mm)	58.7
05	INITIAL LOADING P ini	(Kgs)	9.4
06	TEST DEFLECTION Δ	(mm)	41.1
07	LOAD AT TEST	P1 MIN. (Kgs)	51.2
	DEFLECTION	P2 MAX. (Kgs)	55.6

ROW	DESCRIPTION	UNITS	VALUE
08	TILT DEFLECTION	(mm)	49.9
09	EFFECTIVE NO.OF COILS	NOS	5.1 <sup>0</sup> <sub>-0.5</sub>
10	SPRING WEIGHT	(Kgs)	0.2
11	PITCH	(mm)	17.7 ± 0.7
12	DEVELOPED LENGTH OF ROD	(mm)	1076
13	RAW MATERIAL LENGTH	(mm)	-
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 A322-6150/5160, A304-5160H/6150H/4161H, A401 BS970 Pt2-735A51/735H51, BS2803-735A50/685A55 51CrMoV4/50CrV4/51CrV4/52CrMoV4, EN10270-2/IS4454-2
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.

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

NAME	SIGN	DATE
DRAWN J.DHANABAL	<i>J.Dhanabal</i>	18.08.2023
CHECKED R.RABIN	<i>R.Rabin</i>	18.08.2023
APPROVED S.MADHULINGAM	<i>S.Madhulingam</i>	18.08.2023

TITLE		SPRING	
DRG No.	4-V-J201-23538	REV.	00