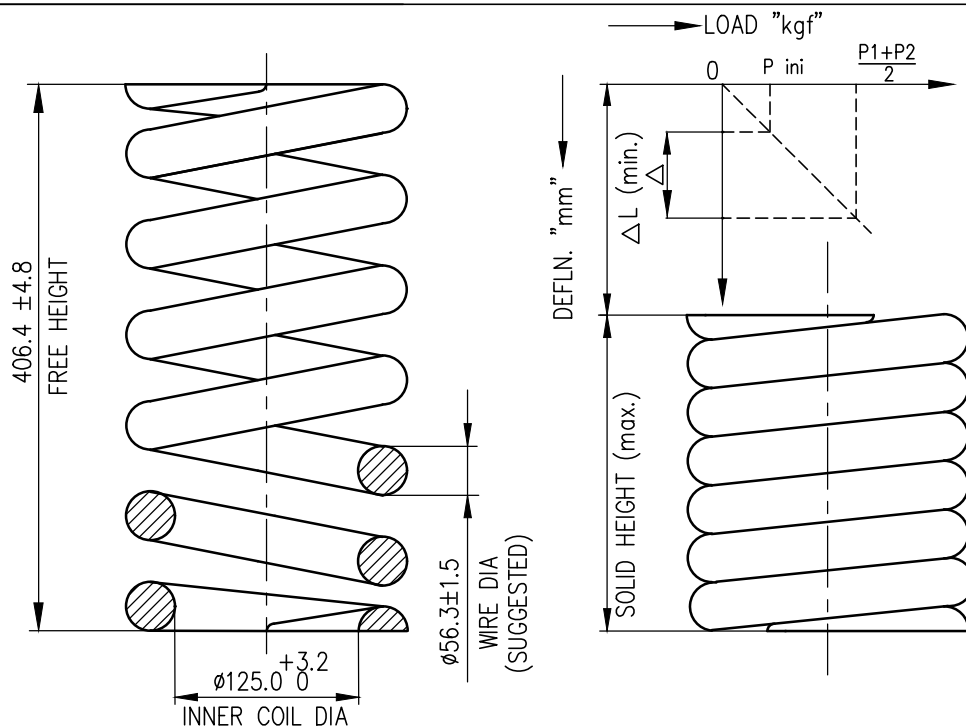


ALL DIMENSIONS ARE IN MM



ROW	DESCRIPTION	UNITS	VALUE
01	SPRING NUMBER		5107470E
02	OUTSIDE DIA. MAX. LIMIT	(mm)	254.0
03	SPRING RATE ( $\pm 4\%$ )	(Kg/mm)	355.695
04	SOLID DEFLECTION $\Delta L$ min.	(mm)	63.5
05	INITIAL LOADING $P_{ini}$	(Kgs)	3388.0
06	TEST DEFLECTION $\Delta$	(mm)	44.5
07	LOAD AT TEST $P_1$ MIN.	(Kgs)	18411.5
	DEFLECTION $P_2$ MAX.	(Kgs)	19985.8

ROW	DESCRIPTION	UNITS	VALUE
08	TILT DEFLECTION	(mm)	54.0
09	EFFECTIVE NO.OF COILS	NOS	$4.8^{+0}_{-0.5}$
10	SPRING WEIGHT	(Kgs)	67.9
11	PITCH	(mm)	$70.3 \pm 2.2$
12	DEVELOPED LENGTH OF ROD	(mm)	3491.0
13	RAW MATERIAL DIA x LENGTH	(mm)	—
14	RAW MATERIAL WEIGHT	(Kgs)	—
15	PROCESS OF MANUFACTURE	HOT COILING	

## NOTES:

- MANUFACTURE & WORKMANSHIP SHALL BE IN ACCORDANCE WITH APPLICABLE CQP REQUIREMENTS OF THIS PROJECT AND DESIGNED FOR SAFETY VALVE APPLICATIONS ONLY.
- FREE HEIGHT, SPRING RATE & SOLID DEFLECTION SHOULD BE MAINTAINED AND OTHER PARAMETERS TO BE DECIDED BY SPRING VENDOR, ACCORDING TO THE MATERIAL MENTIONED IN THIS DRAWING.
- ACCEPTABLE SPRING MATERIALS TO ATTEST:  
ASTM A681-H12/H21 OR BS 4659-BH12/BH21
- SPRING VENDOR IS RESPONSIBLE FOR STRESS RELIEVING, TEMPERING AND OTHER HEAT TREATMENTS AND CONTROLS TO INSURE MINIMUM STRESSED SPRINGS.
- TEST CERTIFICATE TO BE OBTAINED WITH THE INSPECTING AUTHORITY APPROVED BY ASME.
- SPRINGS SHALL BE ALUMINIZED, USING EITHER BAKED-ON PAINT OR MOLTEN ALUMINIUM.

REV. 01	ALTD:
	CHKD:
	APPD:

	DRAWN	S.Surendhar	SIGN	DATE
	CHECKED	S.Madhulingam		30.03.2018
	APPROVED	E.Athiannavi		30.03.2018

TITLE	SPRING		
DRG No.	4-V-J747-21828		
REV.	00		

COMP. CODE: 974610590000

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