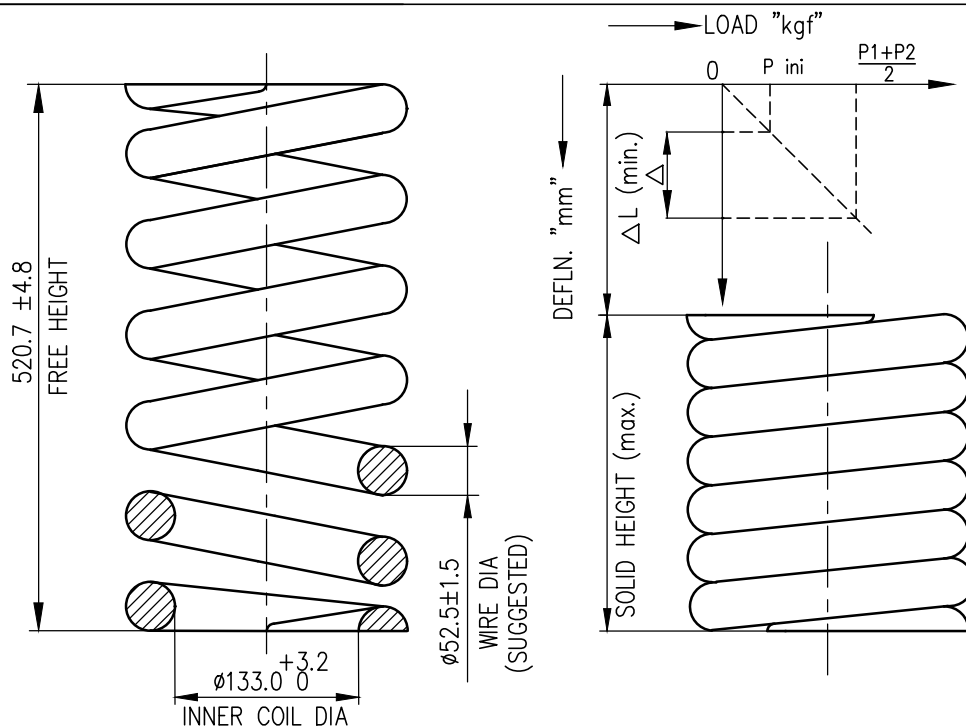


ALL DIMENSIONS ARE IN MM



ROW	DESCRIPTION	UNITS	VALUE
01	SPRING NUMBER		5307900E
02	OUTSIDE DIA. MAX. LIMIT	(mm)	298.0
03	SPRING RATE ($\pm 4\%$)	(Kg/mm)	191.583
04	SOLID DEFLECTION ΔL min.	(mm)	127.0
05	INITIAL LOADING P_{ini}	(Kgs)	3649.7
06	TEST DEFLECTION Δ	(mm)	88.9
07	LOAD AT TEST P_1 MIN.	(Kgs)	19833.4
	DEFLECTION P_2 MAX.	(Kgs)	21529.3

ROW	DESCRIPTION	UNITS	VALUE
08	TILT DEFLECTION	(mm)	108.0
09	EFFECTIVE NO.OF COILS	NOS	$6.3 - 0.5$
10	SPRING WEIGHT	(Kgs)	74.54
11	PITCH	(mm)	73.6 ± 2.0
12	DEVELOPED LENGTH OF ROD	(mm)	4409.0
13	RAW MATERIAL DIA x LENGTH	(mm)	55 x 5660
14	RAW MATERIAL WEIGHT	(Kgs)	105.560
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	SS	SIGN	DATE
	CHECKED	SM		30.03.2018
	APPROVED	EA		30.03.2018

TITLE	SPRING
DRG No.	4-V-J790-21814
REV.	00

COMP. CODE: 974628820000

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