

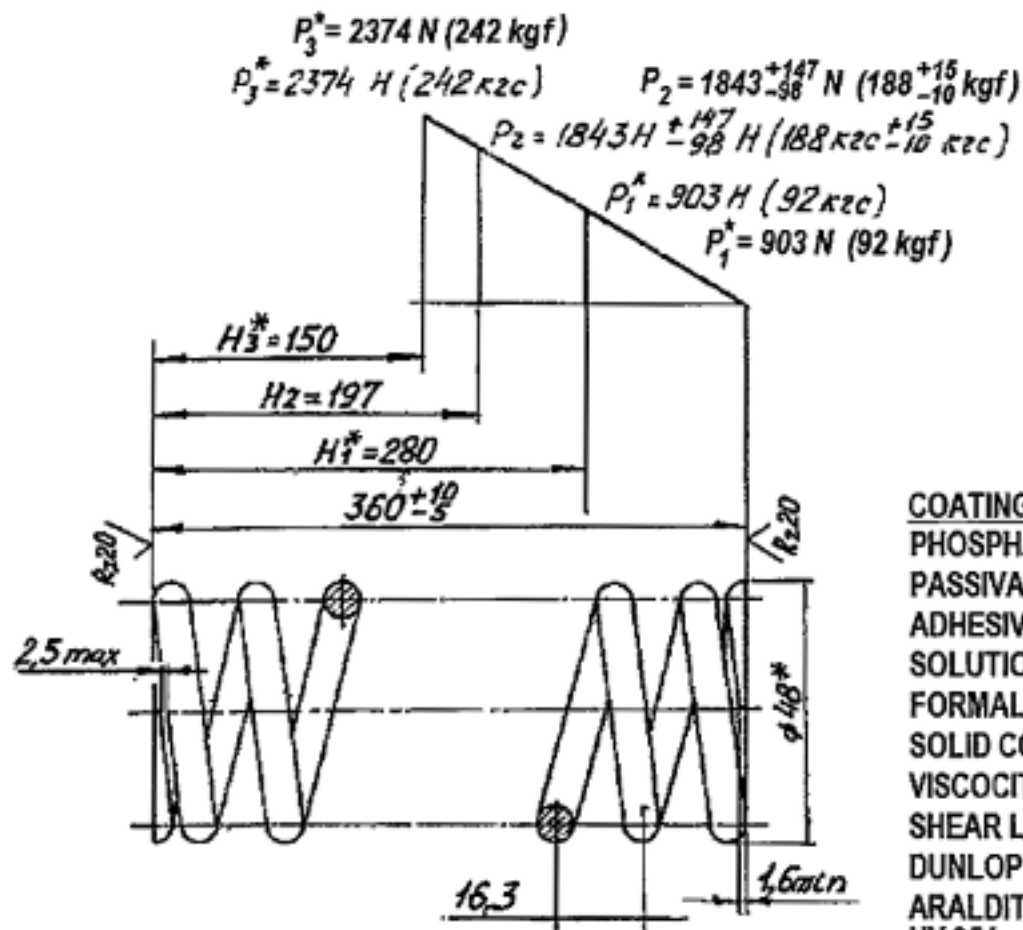
1015-002857

801-70

100562-12

FIRST ANGLE PROJECTION

✓ (M)



1.  $G^* = 78.5 \text{ Gpa (8000 kgf / mm}^2\text{)}$ .
2.  $\tau^* = 1128 \text{ MPa (115 kgf / m}^2\text{)}$ .
3. Direction of Spring coiling is Right hand (RH).
4.  $\Gamma = 21.5$
5.  $\Gamma_b = 23$
6. HRC = 46 to 52
7.  $\Delta r = 50 \text{ H}$
8.  $\Delta c = 33 \text{ h}$
9. Coating - Chemical Phosphating, Hastened, Chromium, adhesive  $\phi - 4$  or  $\phi - 2$  with nigrosine, black (3).
10. Spring is to be tested by multiple alternating load with a frequency of 5 Hz for 30 seconds.
11. To be tested by compressing for 24 hrs.
12. \* Dimensions and parameters are given for reference.
13. Other technical requirements are as per group 2, class II of GOST 16118-70.

**COATING :**  
 PHOSPHATING TO JSS : 0465-01, CLASS-II / III, CHROMATE PASSIVATION TO IS : 1340-73, IMPREGNATION WITH ADHESIVE, WITH THE FOLLOWING :  
 SOLUTION OF POLYVINYL ACETOL AND RESOL PHYNOL FORMAL DEHYDE RESIN IN ALCOHOL.  
 SOLID CONTENTS 14 TO 17 %  
 VISCOCITY 30 TO 60 SEC.  
 SHEAR LENGTH = 200 KGF /  $\text{cm}^2$  MIN OR  
 DUNLOP ADHESIVE = 3758 OR  
 ARALDITE AY 103 WITH HARDENER HY 951  
 NIGROSINE BLACK TO JSS : 1036 (THREE LAYERS)

ID = 121  
01-02-02

**ALT. MATERIAL :**  
 WIRE 250 461 TO BS : 970, Pt-5 - 1972  
 OR WIRE 685 A55 TO BS : 1428 - 80  
 OR WIRE GRADE 2D TO IS : 4454, Pt-III - 1975  
 (REQUIRED PROPERTIES TO BE ACHIEVED)

\* स्प्रिंग ऑफ सेमी ऑटोमेटिक गियर

17068-W 7-6-81 PROV. SEALING CANCELLED AND DRG/SEAL STAMPED

16881-W 2-4-90 D.S. CAT No ADDED  
 16313-W 22-4-85 DRG. SEALED PRIV

17953-W	13-11-92	MATL. AMENDED
ISSUE	DATE	REFERENCE
APPROVED		
CHECKED		
DRAWN		

18814-W 22-10-03	HINDI NOMEN ADDED	
17453-W 13-11-92	REF OF MATL SPEC AMENDED.	
17289-W 7-5-92	ALT MATL & PHOSPHATING NOTE ADDED.	
D.S. CAT No	1015-002857	2A26
SPRING OF SEMI AUTOMATIC GEAR *		02-108
SHEET	1 of 1	0-8
MSS		
SCALE		
MATERIAL: WIRE 60C 2A-B - XH - 6.5. GOST 14963-78		CQA(AVA) AVADI