## For MASTER COPY refer PLM

ALL DIMENSIONS ARE IN mm

		-	-		-
	LIT	52	4 ^	~^	. 1
~,	н.	~~	10	/ [ ]	1

## TABLE 1

Sr.No.	Characteristics	Symbol	Specifications	Parameter	
1	Wire Dia	Фф	8.00 mm		
2	Mean Coil Dia	ФDm	48.00 mm ref	a representation of the second	
3	Inside Dia At centre	ΦDi	40.00 +0.5 mm		
4	Inside Dia	Φ D1	37.5 +0.5 mm		
5	Inside Dia	Ф D2	30.7 +0.5 mm		
6	Outside Dia	Φ D0	56.50 mm max		
7	1st Rate	K1	3.67 ± 5% kgf/mm		
8	2nd Rate	K2	5.61 ±7% kgf/mm		
9	3rd Rate	K3	Nil.		
10	1st Rate Change over		40.00 mm		
11	2nd Rate Change over		Nil		
12	Stroke	-	82.00 mm		
13	Free Length	Lo	217.00 ±2.0 mm	1.	
14	Squarness	e1	4.34 mm Max ∧	i i	
15	Parallelism	e2	1.5 Max XE	1	
16	TIR		3.3 Max At scragging ht	i	
17	Solid Height Max	Ls	101.6 mm	i	
18	Scragging Ht.		135 mm	•	
	Scragging rit.	<u> </u>			
19	End (Condition)		Squared & Ground(250° min) XE	I	
20	Active Coils	na	10.5 Ref	1	
21	Total Coils	nt .	12.2 ± 0.25	1	
22	Shot Peened		90% Coverage Min	1	
23	Shots size and material		0.3 mm MIN round spring steel shots		
24	Coil Direction		Right		
25	UTS of Wire		194.69 Kgf/mm <sup>2</sup> MIN	1	
26	No. of Taper Coils at D1		2 Ref	1	
27	No. of Taper Coils at D2		4 Max	ı	
28	Closer Pitch Towards		D1	1	
29	Finish		NH-1, Black as per HES-D2016 Class-1, Grade-2		
30	Thickness		50 μ MIN	ı	
31	Corrosion Life		700 Hrs NSS	I	
32	Fatigue Life Cycles		2,00,000	l	
33	Fatigue Test Stroke		. 64	-	
34	Preload for fatigue test		9		
35	Fatigue Test Frequency		1~4 Hz		
36	Weight		721 gm		
37	Surface Area		46190.3 mm <sup>2</sup>	And Adapt to the same	
38	Stress in %	T	58.74		
39	No. of coils for K1		3.6		
40	No. of coils for K2	-1	6.9		
41	No. of coils for K3		Nil	1	
42	Gap between adjacent coils for K1	+	3.82 mm		
43	Gap between adjacent coils for K2		9.95 mm	1 .	
44	Gap between adjacent coils for K3	-	Nil		
45	Almen Strip Arc Height		0.3 ~ 0.4 mm ^	1	
46	Tip thickness (mm)	***	2 min XE		

THIRD ANGLE OF PROJECTION

## TABLE 2

Sr.No	Deflection, mm	Load ± 7%, kgf			
1	9	33.0	± 5%		l ·
2	19	69.7	± 5%	-	ı
3	25	91.7	± 5%		. 1
4	45 ,	174.8	± 7%		1
5	55	230.9		and the state of t	l
6	65	287.0	± 7%	ALCOHOL MERCHANICA	t
7	82	382.3	± 7%	A STATE OF THE STA	1

## NOTE

- 1. "I" is inspection parameter at ETL in supplies
- 2. Supplier inspection report to consist all above parameters. QA to confirm in sample and first pilot stage.
- 3. Outer Spring before Plating / Powder coating Part No. S2HT521020

