

	1	2	3	4	5	6	7	8
	ISS	C	A	AA	S	SS	TC	DRG. NO.
	0 0 D A	0 0 0 0	1 6	0 4	0 1	0 1	1 8 0 4	
GEN. TOL. FIN/MEDIUM/COARSE	DRG. CONVENTIONS CONFIRM TO INDIAN STD.							
CLASS TO IS: 2102	DIMN. IN mm UNLESS OTHERWISE STATED							

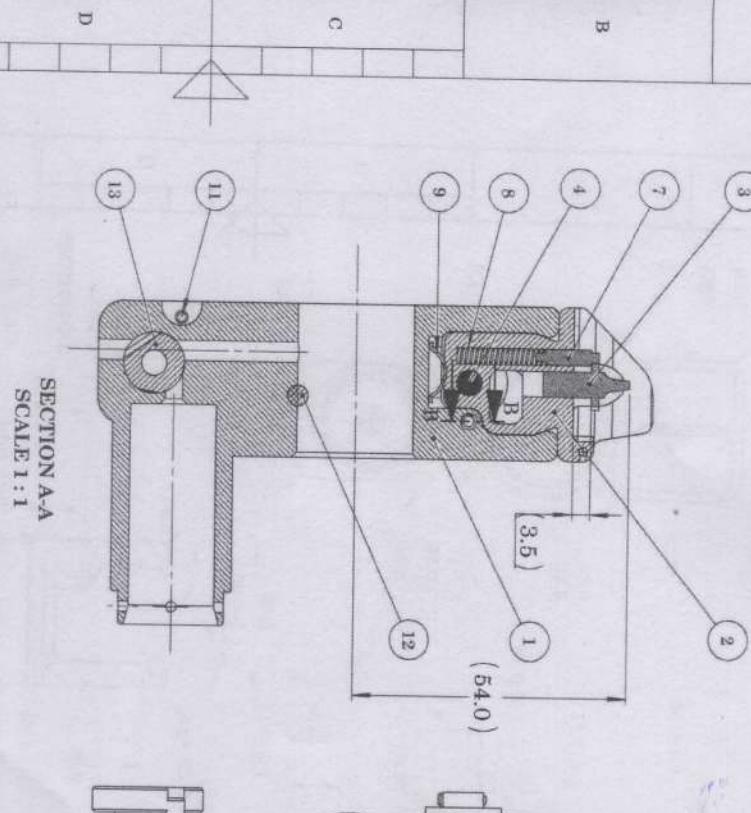
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	BLOCK GAS	1804 01 02 01 00 003 00DA	1
2	BRACKET FORE SIGHT	1804 01 02 00 00 001 00DA	1
3	FORE SIGHT	1804 01 02 00 00 002 00DA	1
4	SCREW AXIS SIGHT	1804 01 02 00 00 003 00DA	1
5	PLUNGER SCREW AXIS	1804 01 02 00 00 005 00DA	1
6	NUT SCREW AXIS	1804 01 02 00 00 005 00DA	1
7	PLUNGER FORE SIGHT	1804 01 02 00 00 006 00DA	1
8	SPRING PLUNGER FORE SIGHT	1804 01 02 00 00 007 00DA	2
9	LEAF SPRING	1804 01 02 00 00 008 00DA	1
10	CROSS PIN	1804 01 02 00 00 009 00DA	1
11	PIN FOR GAS PLUG	1804 01 02 00 00 010 00DA	1
12	PIN FIXING BLOCK GAS	1804 01 02 01 00 005 00DA	1
13	PLUG GAS	1804 01 02 00 00 011 00DA / SK-8834	1
14	NUT PLUG GAS	1804 01 02 00 00 012 00DA	1
15	SPRING LOCK NUT PLUG GAS	1804 01 02 00 00 013 00DA	1

GEN. TOL. FIN/MEDIUM/COARSE

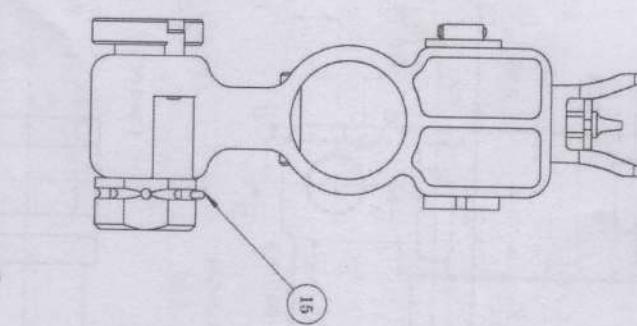
CLASS TO IS: 2102

DRG. CONVENTIONS CONFIRM TO INDIAN STD.

DIMN. IN mm UNLESS OTHERWISE STATED



SECTION A-A
SCALE 1:1



Certified as correct copy
Certified on... 12/11/2023
Dr. Arg. on... 12/11/2023

क. कांच्यारा
Jr. Works Manager
Shri. S. S.

E

F

PART SECTION B-B
SCALE 2:1

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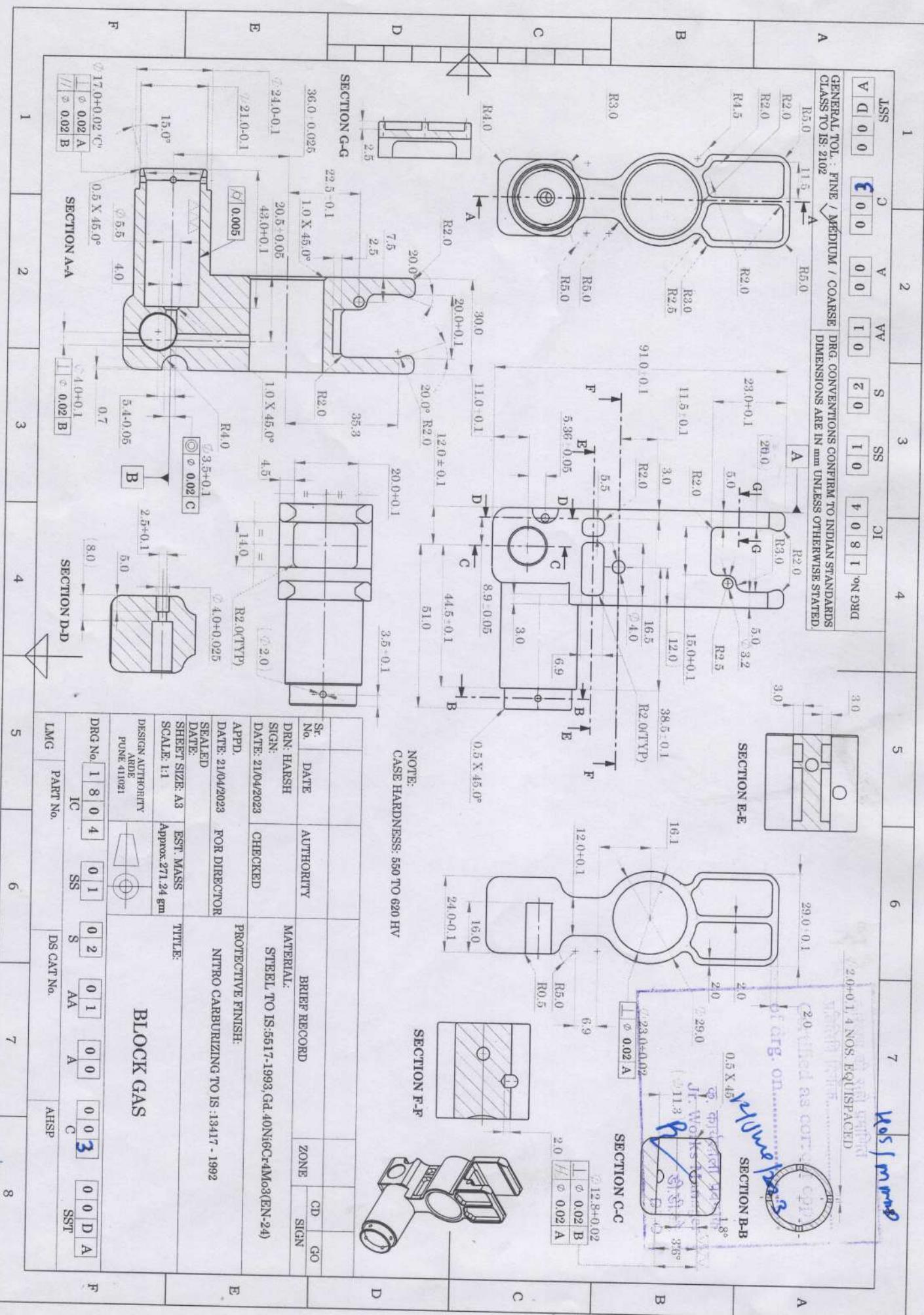
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S	C	A	AA	S	SS	IC	4	5	6	6.5
1	2	3	4	5	5	6	6	6	6	6.5

GENERAL TOL : FINE / MEDIUM / COARSE
CLASS TO IS : 2010
DRG. CONVENTIONS CONFIRM TO INDIAN STANDAR
DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED
NO. OF SPACES

GENERAL TOL : FINE / MEDIUM / COARSE DRG. CONVENTIONS CONFIRM TO INDIAN STANDARDS
CLASS TO IS : 2102 DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED

Confused as core

100° 4.0

F2.0

4.0

A technical drawing of a rectangular component. The top edge has a total width of 23.0+0.1. A central slot is present, with a width of 20.5-0.1 indicated below it. The height of the component is 6.5.

17.8

R2.0(TYP)

R₂ 0 0.0% R₂ 0 10.5% R₂ 0

SECTION A-A

HARDNESS: 550 TO 620 HV
HARDNESS: 350-400 HV, H & T CONDITION

DEPTH-40-50 MICRON
WE ALL SHARP CORNERS.

100

CD GO
SIGN

MATERIAL: STEEL TO IS:5517-1993 Gd 40Ni6Cr4Mo3EN-24)

PROTECTIVE FINISH: ECKED

NITRO CARBURIZING TO IS :13417 - 1992
3 DIRECTOR

T. MASS TITLE:

BRACKET FORE SIGHT

卷之三

				SST
	0 0	0 0	0 0	C
0 1	0 2	0 0	0 0	A
0 1	0 2	0 0	0 0	S
0 1	0 2	0 0	0 0	SS

DS CAT No. AHSP

ARTICLE PINE-21

卷之三

1	2	3	4																								
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 25%;">DRG No.</td> <td style="width: 25%;">IC</td> <td style="width: 25%;">SS</td> <td style="width: 25%;">SST</td> </tr> <tr> <td>1 8 0 4</td> <td>0 1</td> <td>0 2</td> <td>0 0</td> </tr> <tr> <td>0 0 D A</td> <td>0 0 3</td> <td>0 0</td> <td>0 0 3</td> </tr> </table>				DRG No.	IC	SS	SST	1 8 0 4	0 1	0 2	0 0	0 0 D A	0 0 3	0 0	0 0 3												
DRG No.	IC	SS	SST																								
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GENERAL TOL.: FINE / MEDIUM / COARSE CLASS TO IS: 2102		DRG. CONVENTIONS CONFIRM TO INDIAN STANDARDS DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.																									
A	B	C	D																								
<p><i>Case Hardness of drg. 600 HV</i></p> <p><i>Jr. Works M/s</i></p>																											
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>Sr. No.</td> <td>DATE</td> <td>AUTHORITY</td> <td colspan="2">BRIEF RECORD</td> <td>ZONE</td> <td>CD</td> <td>GO</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> </table>				Sr. No.	DATE	AUTHORITY	BRIEF RECORD		ZONE	CD	GO																
Sr. No.	DATE	AUTHORITY	BRIEF RECORD		ZONE	CD	GO																				
DRN: HARSH SIGN: DATE: 21/04/2023		CHECKED		MATERIAL: IS:5517-1993, Gd.40Ni6Cr4Mo3 (EN-24)																							
APPD. DATE: 21/04/2023 FOR DIRECTOR				PROTECTIVE FINISH: NITRO CARBURIZING TO IS :13417 - 1992																							
SEALED DATE:				TITLE: SCREW AXIS SIGHT																							
SHEET SIZE: A4 SCALE: 2:1		EST. MASS Approx. 8.40 gm																									
DESIGN AUTHORITY ARDE PUNE 411021																											
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>DRG No.</td> <td>1 8 0 4</td> <td>0 1</td> <td>0 2</td> <td>0 0</td> <td>0 0 3</td> <td>0 0 D A</td> </tr> <tr> <td></td> <td>IC</td> <td>SS</td> <td>S</td> <td>AA</td> <td>A</td> <td>SST</td> </tr> </table>				DRG No.	1 8 0 4	0 1	0 2	0 0	0 0 3	0 0 D A		IC	SS	S	AA	A	SST										
DRG No.	1 8 0 4	0 1	0 2	0 0	0 0 3	0 0 D A																					
	IC	SS	S	AA	A	SST																					
LMG		PART No.		DS CAT No.		AHSP																					
1		2		3		ARDE, PUNE-21																					

1	2	3	4																								
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td colspan="2">LSS</td> <td colspan="2">SST</td> </tr> <tr> <td>1</td><td>8</td><td>0</td><td>4</td> </tr> <tr> <td>0</td><td>0</td><td>4</td><td>0</td> </tr> <tr> <td>0</td><td>0</td><td>0</td><td>0</td> </tr> <tr> <td>0</td><td>0</td><td>0</td><td>0</td> </tr> <tr> <td>A</td><td>C</td><td>AA</td><td>A</td> </tr> </table>				LSS		SST		1	8	0	4	0	0	4	0	0	0	0	0	0	0	0	0	A	C	AA	A
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B																											
C																											
D	<p>NOTE: CASE HARDNESS: 550 TO 620 HV CORE HARDNESS: 350-400 HV, H & T CONDITION CASE DEPTH-40-50 MICRON REMOVE ALL SHARP CORNERS.</p>																										
	Sr. No.	DATE	AUTHORITY	BRIEF RECORD	ZONE	CD	GO																				
E	DRN: HARSH SIGN: DATE: 21/04/2023		CHECKED	MATERIAL: IS:5517-1993, Gd.40Ni6Cr4Mo3 (EN-24)																							
	APPD. DATE: 21/04/2023 FOR DIRECTOR		PROTECTIVE FINISH: NITRO CARBURIZING TO IS :13417 - 1992																								
SEALED DATE:																											
SHEET SIZE: A4 SCALE: 10:1		EST. MASS Approx. 0.25 gm		TITLE: PLUNGER SCREW AXIS																							
DESIGN AUTHORITY ARDE PUNE 411021																											
F	DRG No.	1 8 0 4	0 1	0 2	0 0	0 0	0 0 4	0 0 D A																			
	LMG	PART No.		DS CAT No.		AHSP ARDE, PUNE-21																					
1	2	3	4	1	2	3	4																				

1	2	3	4																																					
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>DRG No.</td> <td>1</td> <td>8</td> <td>0</td> <td>4</td> <td>0</td> <td>1</td> <td>0</td> <td>2</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>5</td> <td>0</td> <td>0</td> <td>D</td> <td>A</td> <td>SST</td> </tr> <tr> <td>IC</td> <td>SS</td> <td>C</td> <td>AA</td> <td>A</td> <td>AA</td> <td>C</td> <td>SS</td> <td>A</td> <td>AA</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </table>				DRG No.	1	8	0	4	0	1	0	2	0	0	0	0	5	0	0	D	A	SST	IC	SS	C	AA	A	AA	C	SS	A	AA	0	0	0	0	0	0	0	0
DRG No.	1	8	0	4	0	1	0	2	0	0	0	0	5	0	0	D	A	SST																						
IC	SS	C	AA	A	AA	C	SS	A	AA	0	0	0	0	0	0	0	0																							
A		GENERAL TOL.: FINE / MEDIUM / COARSE CLASS TO IS: 2102												DRG. CONVENTIONS CONFIRM TO INDIAN STANDARDS DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.		A																								
B		<p>4.5-0.1</p> <p>1.5+0.1</p> <p>$\phi 1.5+0.1$, THROUGH</p> <p>$\phi 8.0+0.1$</p> <p>3.0-0.1</p> <p>$\phi 5.0+0.02$</p> <p>NOTE: CASE HARDNESS: 550 TO 620 HV CORE HARDNESS: 350-400 HV, H & T CONDITION CASE DEPTH-40-50 MICRON REMOVE ALL SHARP CORNERS.</p>												Certified as correct copy of drg. on 15/01/2023 क. कार्यशाला प्रबन्धक Jr. Works Manager डी.टी. बी.		C																								
C																D																								
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E		Sr. No.		DATE		AUTHORITY		BRIEF RECORD				ZONE		CD GO		F																								
F		DRN: HARSH SIGN: DATE: 21/04/2023		CHECKED				MATERIAL: IS:5517-1993, Gd.40Ni6Cr4Mo3 (EN-24)																																
F		APPD. DATE: 21/04/2023 FOR DIRECTOR		SEALED DATE:				PROTECTIVE FINISH: NITRO CARBURIZING TO IS:13417 - 1992																																
F		SHEET SIZE: A4 SCALE: 5:1		EST. MASS Approx. 2.53 gm				TITLE: NUT SCREW AXIS																																
F		DESIGN AUTHORITY ARDE PUNE 411021																																						
F		DRG No. 1 8 0 4		0 1		0 2		0 0		0 0		0 0 5		0 0 D A		SST																								
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A	GENERAL TOL : FINE / MEDIUM / COARSE CLASS TO IS: 2102			DRG. CONVENTIONS CONFIRM TO INDIAN STANDARDS DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.				A											
B				<p style="text-align: right;">Certified as <u>100% correct</u> copy of drg. on..... क. कार्यशाला प्रबन्धक Jr. Works Manager D.S.O. DDO</p>				B											
C								C											
D				<p style="text-align: center;"><u>Ø 1.95-0.05</u></p> <p>NOTE:</p> <ul style="list-style-type: none"> 1) CASE HARDNESS: 550 TO 620 HV 2) CORE HARDNESS: 350-400 HV, H & T CONDITION 3) CASE DEPTH-40-50 MICRON 4) REMOVE ALL SHARP CORNERS. 				D											
Sr. No.		DATE	AUTHORITY	BRIEF RECORD			ZONE	CD	GO										
									SIGN										
E		DRN: HARSH SIGN: DATE: 21/04/2023		<p>MATERIAL: STEEL TO IS:5517-1993, Gd.55C8 (EN-9) OR IS:5517-1993, Gd.40Ni6CrMo3 (EN24)</p> <p>PROTECTIVE FINISH: NITRO CARBURIZING TO IS :13417 - 1992</p>															
		CHECKED																	
F		APPD. DATE: 21/04/2023 FOR DIRECTOR SEALED DATE:																	
		SHEET SIZE: A4 SCALE: 5:1 DESIGN AUTHORITY ARDE PUNE 411021		EST. MASS Approx. 0.61 gm 			TITLE: PLUNGER FORE SIGHT												
F		DRG No. 1 8 0 4 0 1 0 2 0 0 0 0 0 0 6 0 0 D A IC SS S AA A C SST		LMG PART No.		DS CAT No.	AHSP ARDE, PUNE-21												
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GENERAL TOL : FINE / MEDIUM / COARSE
CLASS TO IS : 2102

DRG. CONVENTIONS CONFIRMS TO INDIAN STANDARD
DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED

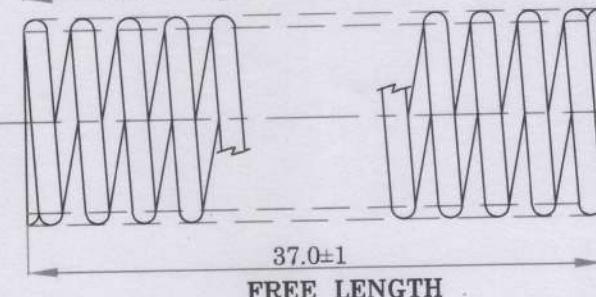
Certified by *Hars*
of drg. on *10/12/2018*

Jr. Works Manager
Dr. H. S. Joshi

1.15 kg ± 10%

0.75 kg ± 10%

13.0
20.0



NOTES:

- 1) STRESS TO BE RELIEVED.
- 2) WIRE DIA : 0.4
- 3) MEAN DIA : 2.5 ± 0.2
- 4) No. OF EFFECTIVE COILS : 30
- 5) WOUND : L H OR R H
- 6) CRAMP TEST:- SPRING TO BE TESTED BEFORE GAUGING BY COMPRESSION TO SOLID LENGTH FOR A PERIOD OF 24, HOURS AFTER WHICH IT MUST CONFORM TO FREE LENGTH.
- 7) ONE COIL OF EACH END TO BE CLOSED IN AND GROUND SQUARE TO THE AXIS OF THE COIL, LEAVING 3/4 OF COIL AT EACH END. NON EFFECTIVE.

B

B

C

D

E

F

C

C

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SR. NO.	DATE	AUTHORITY	BRIEF RECORD	ZONE	CD	GO
					SIGN	
	DRN: HARSH SIGN: DATE: 23/12/2018	CHECKED	MATERIAL: STEEL WIRE TO IS : 4454 Pt. 1, 2001, DH			
	APPD. DATE: FOR DIRECTOR		PROTECTIVE FINISH: PHOSPHATED TO SPECN. IS:3618-1966, CLASS 'B'			
	SEALED DATE:		TITLE: SPRING PLUNGER FORE SIGHT			
	SHEET SIZE : A4 SCALE :	EST. MASS -----				
	DESIGN AUTHORITY ARDE PUNE 411021					
F	DRG NO 1 8 0 4	0 1	0 2	0 0	0 0 7	0 0 D A
	IC	SS	S	AA	C	SST
	PART No.	DS CAT No.			AHSP ARDE, PUNE-21	

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1	2	3	4																																																																																																				
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 10%;">A</td> <td style="width: 10%;">B</td> <td style="width: 10%;">C</td> <td style="width: 10%;">D</td> </tr> <tr> <td colspan="2">GENERAL TOL : FINE / MEDIUM / COARSE CLASS TO IS: 2102</td> <td colspan="2">DRG. CONVENTIONS CONFIRM TO INDIAN STANDARDS DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.</td> </tr> <tr> <td colspan="4"> </td> </tr> <tr> <td colspan="4"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Sr. No.</th> <th>DATE</th> <th>AUTHORITY</th> <th>BRIEF RECORD</th> <th>ZONE</th> <th>CD</th> <th>GO</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> </td> </tr> <tr> <td colspan="2"> DRN: HARSH SIGN: DATE:21/04/2023 </td> <td colspan="2"> AUTHORITY CHECKED </td> <td colspan="3"> MATERIAL: IS 4072:1975 Gd. 80C6 </td> </tr> <tr> <td colspan="2"> APPD. DATE:21/04/2023 FOR DIRECTOR </td> <td colspan="2"></td> <td colspan="3"> PROTECTIVE FINISH: PHOSPHATED TO SPECN. IS:3618-1966, CLASS 'B' </td> </tr> <tr> <td colspan="2"> SEALED DATE: SHEET SIZE: A4 SCALE: 4:1 DESIGN AUTHORITY ARDE PUNE 411021 </td> <td colspan="2"></td> <td colspan="3"> TITLE: LEAF SPRING </td> </tr> <tr> <td colspan="2"> DRG No. 1 8 0 4 IC </td> <td colspan="2"> 0 1 SS </td> <td colspan="2"> 0 2 S </td> <td colspan="2"> 0 0 AA </td> <td colspan="2"> 0 0 8 A </td> <td colspan="2"> 0 0 D A C </td> <td colspan="2"> SST </td> </tr> <tr> <td colspan="2">LMG</td> <td colspan="2">PART No.</td> <td colspan="2">DS CAT No.</td> <td colspan="2"></td> <td colspan="2">AHSP</td> <td colspan="2">ARDE, PUNE-21</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">1</td> <td colspan="2">2</td> <td colspan="2">3</td> <td colspan="2"></td> <td colspan="2">4</td> <td colspan="2"></td> <td colspan="2"></td> </tr> </table>				A	B	C	D	GENERAL TOL : FINE / MEDIUM / COARSE CLASS TO IS: 2102		DRG. CONVENTIONS CONFIRM TO INDIAN STANDARDS DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.						<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Sr. No.</th> <th>DATE</th> <th>AUTHORITY</th> <th>BRIEF RECORD</th> <th>ZONE</th> <th>CD</th> <th>GO</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Sr. No.	DATE	AUTHORITY	BRIEF RECORD	ZONE	CD	GO															DRN: HARSH SIGN: DATE:21/04/2023		AUTHORITY CHECKED		MATERIAL: IS 4072:1975 Gd. 80C6			APPD. DATE:21/04/2023 FOR DIRECTOR				PROTECTIVE FINISH: PHOSPHATED TO SPECN. IS:3618-1966, CLASS 'B'			SEALED DATE: SHEET SIZE: A4 SCALE: 4:1 DESIGN AUTHORITY ARDE PUNE 411021				TITLE: LEAF SPRING			DRG No. 1 8 0 4 IC		0 1 SS		0 2 S		0 0 AA		0 0 8 A		0 0 D A C		SST		LMG		PART No.		DS CAT No.				AHSP		ARDE, PUNE-21				1		2		3				4					
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APPD. DATE:21/04/2023 FOR DIRECTOR				PROTECTIVE FINISH: PHOSPHATED TO SPECN. IS:3618-1966, CLASS 'B'																																																																																																			
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<p><i>प्रारंभिक कार्यक्रम प्राप्ति दिनांक..... Certified as correct con. of drg. on..... 12/4/2023 क. कार्यालय व्यवस्थक Jr. Works Manager डी.डी.ओ. DDO</i></p>															
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F	APPD. DATE: 21/04/2023 FOR DIRECTOR SEALED DATE: SHEET SIZE: A4 EST. MASS SCALE: 5:1 Approx. 0.5 gm		PROTECTIVE FINISH: NITRO CARBURIZING TO IS :13417 - 1992 TITLE: CROSS PIN												
DESIGN AUTHORITY ARDE PUNE 411021															
DRG No. 1 8 0 4 0 1 0 2 0 0 0 0 9 0 0 D A IC SS S AA A C SST															
LMG	PART No.	DS CAT No.	AHSP ARDE, PUNE-21												

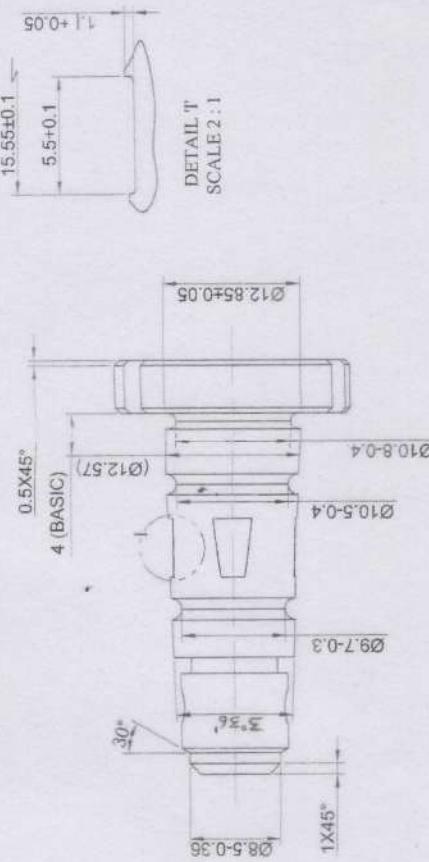
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1	2	3	4																

(IF REQUIRED, REFER 3D MODEL)

(PROVISIONAL)

DRG NO. SK-5836

GEN TOL FINE/MEDIUM/COARSE
CLAS TO IS : 2102DRG CONVENTION CONFORM TO INDIAN STD
DINN (IN mm UNLESS OTHERWISE STATED)

MATERIAL :- BS : 970 PT.3 : 1991 Gr. 420 S 29 OR 431 S 29

SHARP EDGES SHOULD BE BLUNTED BY 0.2R.
LETTER (ARABIC NUMERALS) SIZE 5X1 WIDTH AND
AT LEAST 0.2 DEEP.
CONCENTRICITY TOLERANCE OF M10X1.6F (THIRD PORTION)
WITH 3.5 Ø HOLE IS 0.07.

NOTE:-
THE CHROMIUM COATING MAY BE ALLOWED UPTO 0.03mm
EXCEPT THREAD SECTION HEAD AND FACE OF THREAD SECTION

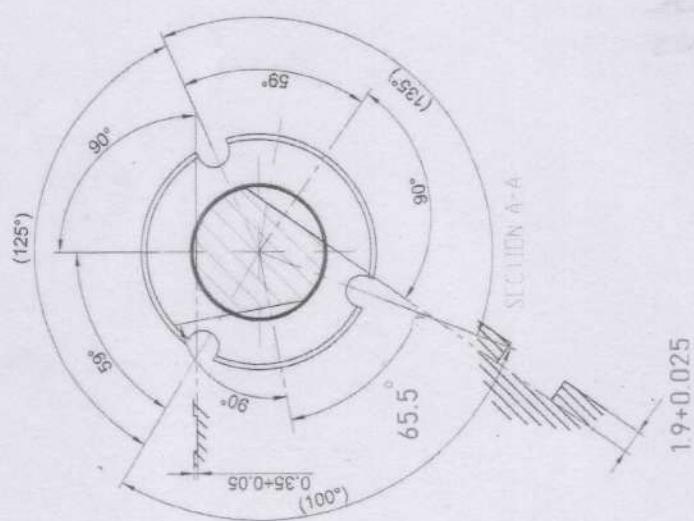
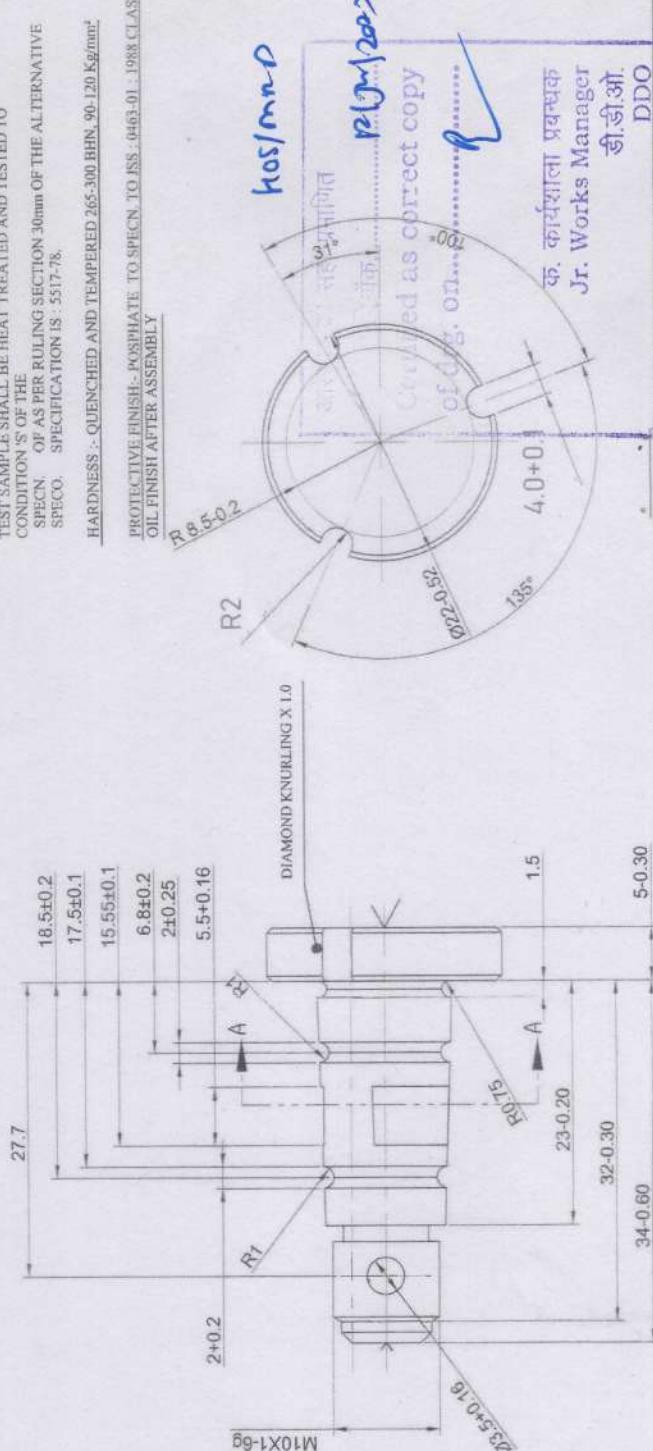
THE FACE OF THE THREADED SECTION AND THE HEAD SHOULD
PAINTED WITH AMMUNITION PROTECTIVE COMPOSITION NO. 215
TO SPECN. ISS : 8010-51. THREAD SECTION TO BE PHOSPHATED AS
PER JSS : 0465-01-1988 CLASS-II (ACCELERATED), OIL FINISH.

NOTE FOR MACROETCH TEST:-

- 1) MACROTECH TEST AND DETERMINATION OF INCLUSION
CONTENT TO IS : 4165 ARE TO BE
CARRIED OUT AS PER COLUMN 'C' OF COA(SA)
- 2) SELECTION OF SAMPLE ARE 02 NOS. UP TO 5 MT BULK.

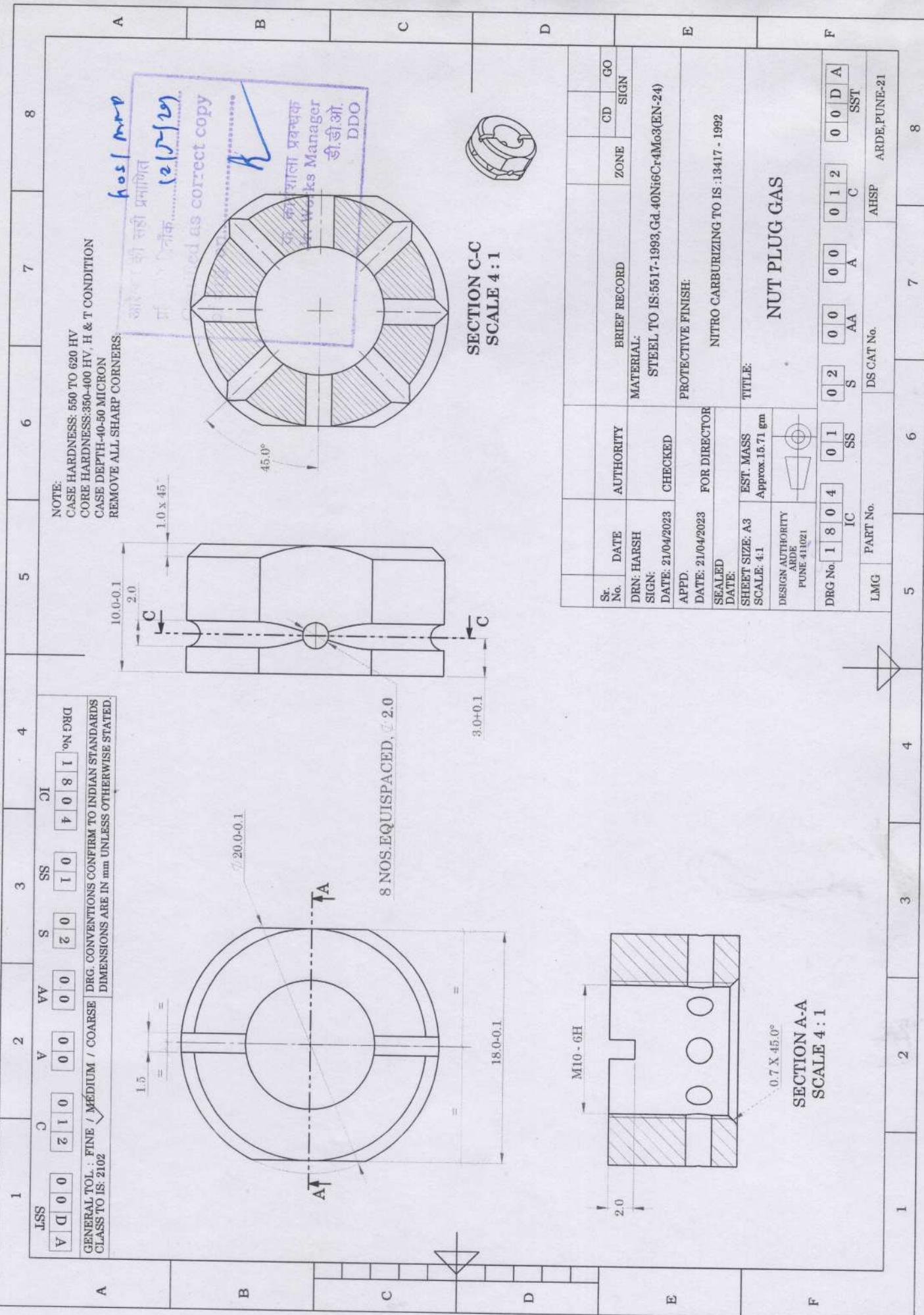
TEST SAMPLE SHALL BE HEAT TREATED AND TESTED TO
CONDITION'S OF THE
SPECN. OF AS PER RULING SECTION 36mm OF THE ALTERNATIVE
SPECN. SPECIFICATION IS : 5517-78.

HARDNESS :- QUENCHED AND TEMPERED 265-300 BHN, 90-120 Kg/mm²
PROTECTIVE FINISH- PHOSPHATE TO SPECN. TO JSS : 0463-01-1988 CLASS-I.
OIL FINISH AFTER ASSEMBLY



LMG 7.62X51mm BELT FED		PLUG GAS	
DRAWN TRACED CHKD.		APPROVED	
DATE	25-05-2018	DDO	WMDDO
DRG.NO.	SK-5836	SCALE	1:1

SCALE	SMALL ARMS FACTORY	KANPUR
1:1	11 12 13 14 15	10 9 8 7 6 5 4 3



1	2	3	4																						
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