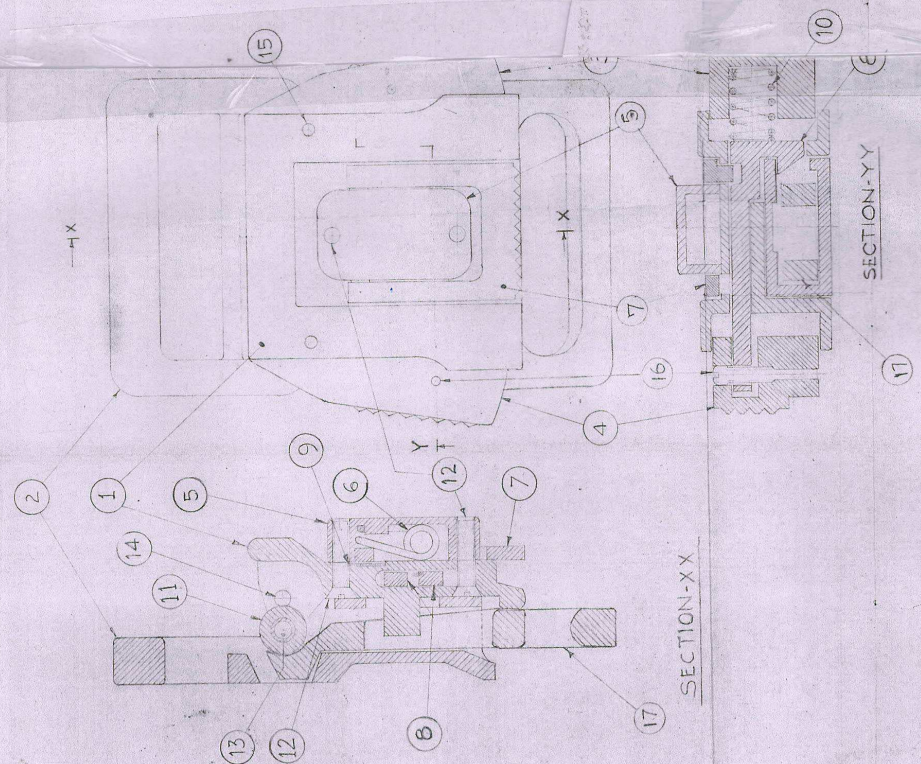


SHEET 1 OF 19

PROOF LOAD - 1400 KGf (313200N)

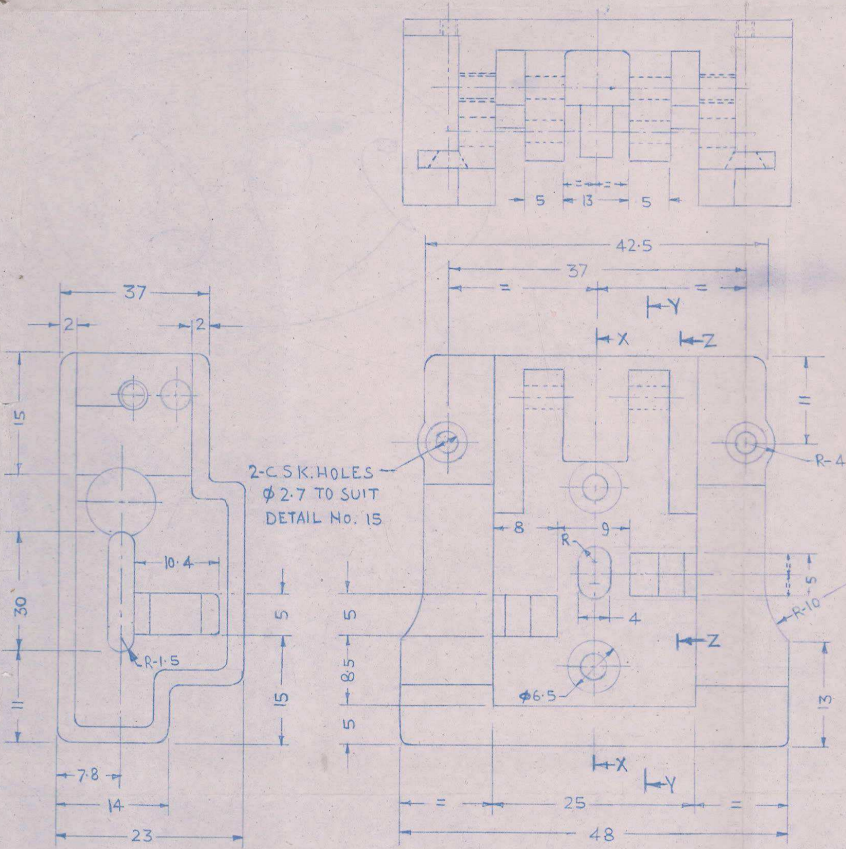


NO.	DESCRIPTION	QTY
1	BUCKLE	1
2	SCREW	2
3	SCREW C.S.K. HEAD LARGE	2
4	SCREW	2
5	DIN	1
6	SCREW C.S.K. HEAD SMALL	2
7	ROLLER	1
8	SPIRAL SPRING	2
9	STRIP	1
10	LOCKING LEVER	2
11	LOCKING HINGE	1
12	SPRING TYPICAL	1
13	HOUSING	1
14	LOCKING ARM LEFT	1
15	LOCKING ARM RIGHT	1
16	BUCKLE	1
17	BODY	1
	ASSEMBLY & DETAIL INDEX	
	NOMENCLATURE	No. OFF

DETAIL INDEX	
DRD	MATERIAL
FINISH	HEAT TREATMENT
SCALE	TOLERANCE
DATE	RECORD
APPROVED	ADDRDE, AGRA
PROG DIRECTOR (OR)	
PRG NO.	
ADDRDE	7/1354

ASSEMBLY
 LOCK OCK WITH BUCKLE
 (PILOT PARACHUTE PSM SERIES - 455)

DATE ZONE AUTHORITY
 RECORD

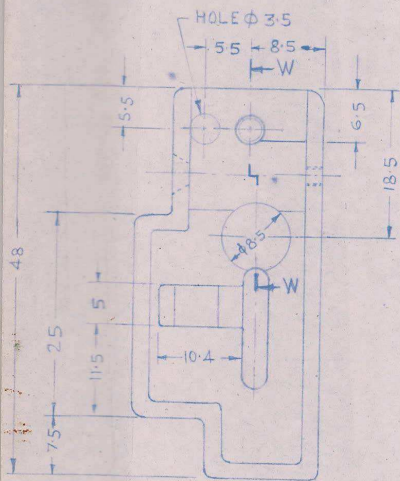


-1975
AND

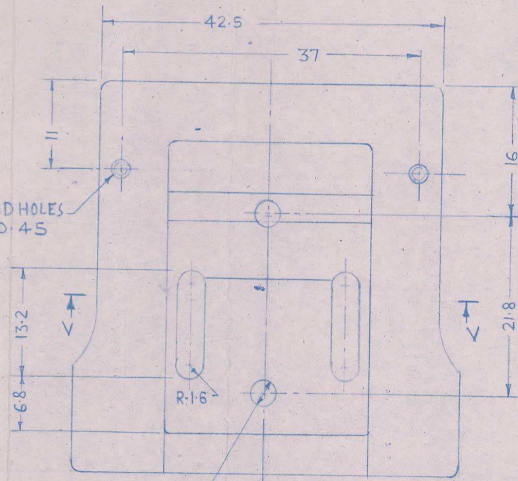
AGRA

CTOR(SA)

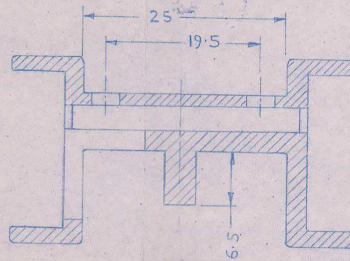
11354



2-TAPPED HOLES
M 2.5 X 0.45



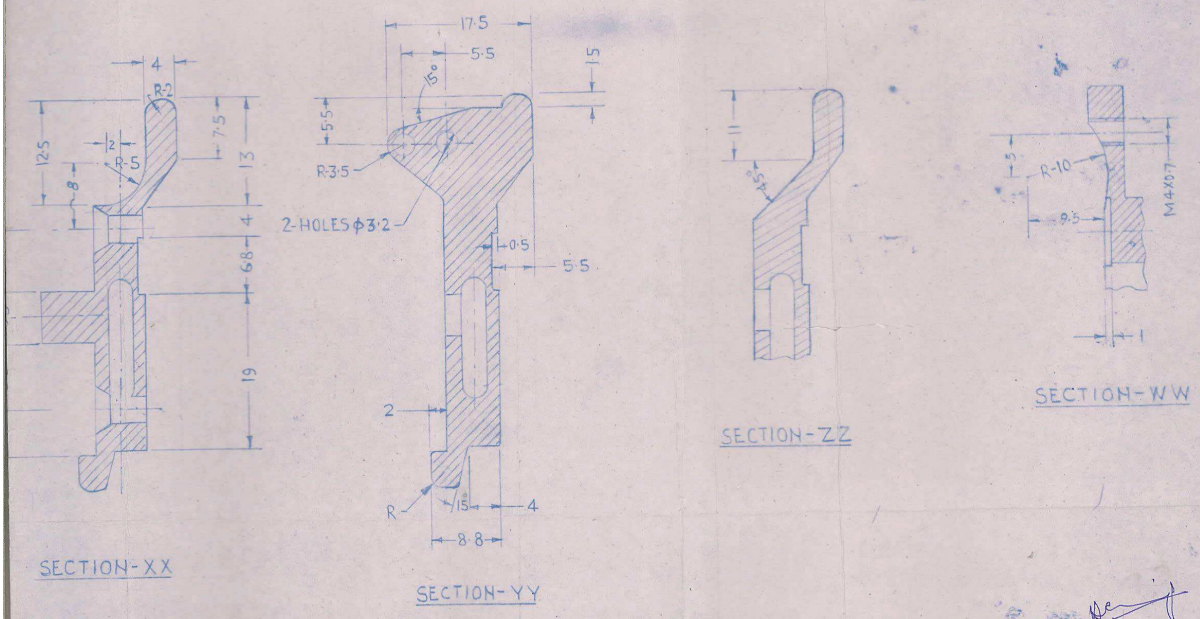
BACK VIEW



SECTION-VV

1-OFF

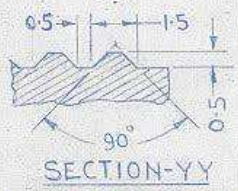
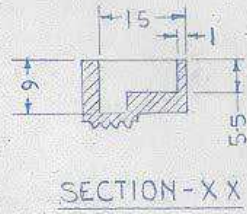
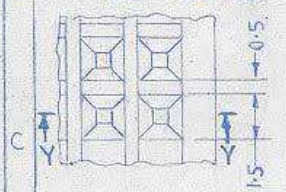
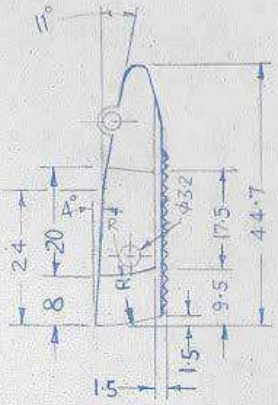
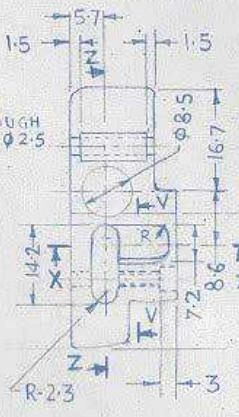
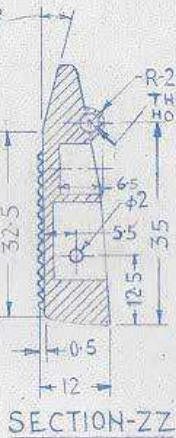
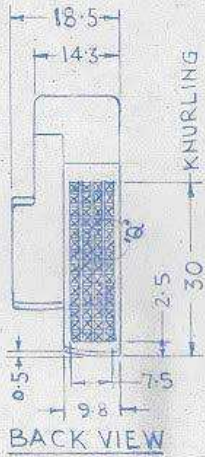
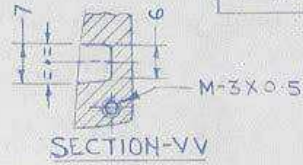
R.No	DATE	ZONE	AUTHOR



MATERIAL:- ALUMINIUM ALLOY TO GRADE 4450 AS PER IS:617-19
 FINISH:- TO BE SMOOTHLY FINISHED WITH ROUND EDGES AND NAVY BLUE ANODIZED TO GRADE AC 15, AS PER IS: 1868-1968.

DRN	4P-man	DRD	MATERIAL:-	AS ABOVE	ADRDE, A
CHD	SR	ISA	FINISH:-	AS ABOVE	APPROVED
TRD		QW	HEAT TREATMENT:	HARDNESS:- AVERAGE 115/125 BHN	
COMP		o/c	SCALE:-	2:1	PROG DIRECT
			DIMNS IN mm		DRG. No
			TOLERANCE:-	IS: 2102 (Pt 2)	ADRDE
BRIEF RECORD		o/c	MEDIUM		
			BODY LOCK OCK WITH BUCKLE (PILOT PARACHUTE PSM SERIES -4 & 5)		

4



B ENLARGEMENT AT ϕ SCALE-5:1

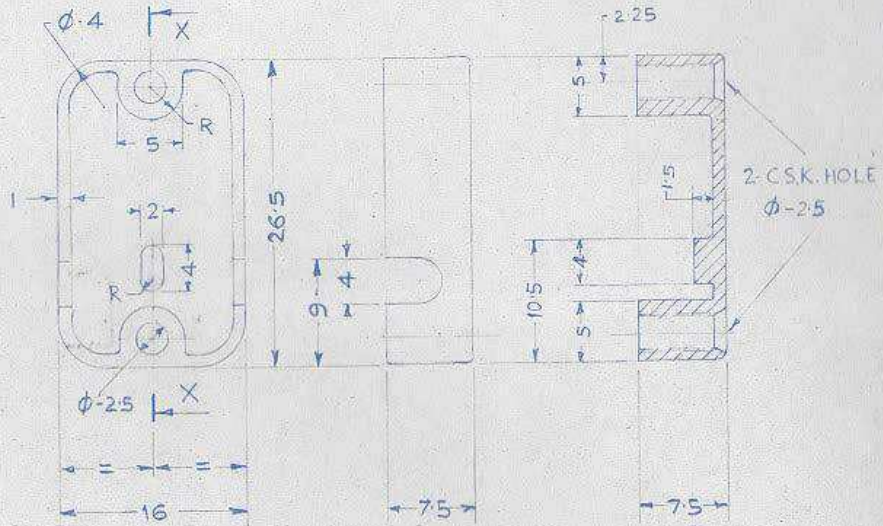
1-OFF

MATERIAL: ALUMINIUM ALLOY TO GRADE 4450 AS PER IS: 617-1975.

FINISH: TO BE SMOOTHLY FINISHED WITH ROUND EDGES AND RED/ORANGE ANODIZED TO GRADE AC-15 AS PER IS: 1868-1968.

R No	DATE	ZONE	AUTHORITY	BRIEF RECORD	o/c	HEAD
DRM	CP		DRD	MATERIAL:- AS ABOVE		ADRDE, AGRA
CHD	SA			FINISH:- AS ABOVE		
TRD				HEAT TREATMENT:-		
COMP			o/c PGD	HARDNESS:- AVERAGE 100/110 BHN		APPROVED
SCALE:-	1:1 & 5:1		PROJ OFFR			
DIMENSIONS	ARE IN mm.		DIV. HEAD			
TOLERANCE:-	IS: 2102 (Pt-2) MEDIUM					
LOCKING ARM LEFT LOCK OCK WITH BUCKLE (PILOT PARACHUTE PSM SERIES-4&5)				PROG DIRECTOR (BA) DRG No. ADRDE/1354		

(5)



SECTION-XX

1-OFF

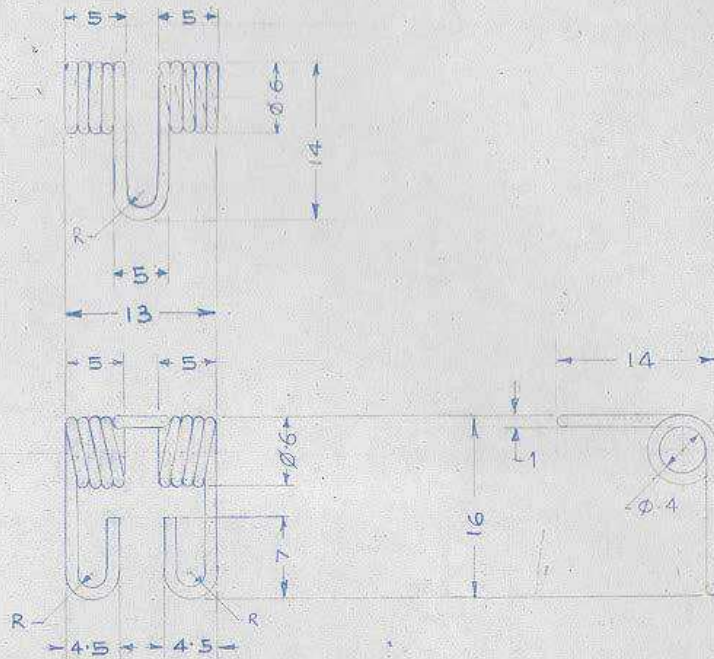
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FINISH:- TO BE SMOOTHLY FINISHED & CD-PLATED TO A MIN. THICKNESS OF 0.012 mm & CHROMATE PASSIVATED AS PER IS:14572-1986 Fe/cd-12CA

R.No.	DATE	ZONE	AUTHORITY	BRIEF RECORD		o/c	HEAD
DRN	04/12		DRD	MATERIAL:-	STEEL AS PER IS:1030-1989	ADRDE	AGRA
CHD	SK		Jd	FINISH:-	As above		
TRD			O/c	HEAT TREATMENT		APPROVED	
COMP			PGD			<i>Handwritten signature</i>	
SCALE:-	2:1		PROJ.OFFR.			PROG. DIRECTOR (QA)	
DIMENSIONS IN	MILLIMETRES		DIV. HEAD			DRG No	
TOLERANCE:-	IS: 2102 (Pt 1)					ADRDE/1354	
	MEDIUM					DRD/85/98	

HOUSING
 LOCK OCK WITH BUCKLE
 (PILOT PARACHUTE PSM SERIES 4 & 5)

6



1-OFF

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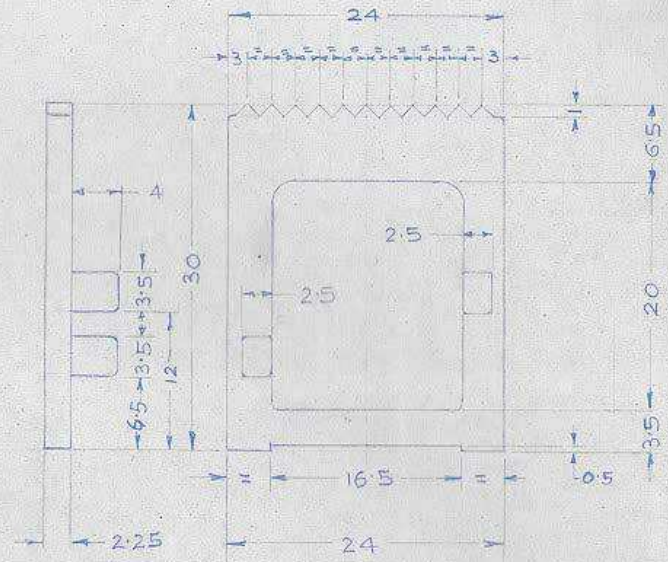
EMBRITTLMENT RELEASE :- SPRING AFTER CADMIUM PLATING & PRIOR CHROMATE PASSIVATION SHALL BE MAINTAIN TO A TEMP OF 150°-200° C FOR 1/2 AN HOUR TO REMOVE HYDROGEN EMBRITTLMENT.

MATERIAL :- SPRING STEEL WIRE TO GRADE 1 AS PER IS: 94454 (PART-1) 1975 IN COLD DRAWN CONDITION.

FINISH :- TO BE SMOOTHLY FINISHED AND CD-PLATING TO A MIN. THICKNESS OF 0.012 mm AND CHROMATE PASSIVATED AS PER IS: 1572: 1968

R.No.	DATE	ZONE	AUTHORITY	BRIEF RECORD	0/c HEAD & A
DRN	DRD	MATERIAL	AS ABOVE	ADRDE, AGRA	
CHD	TRD	FINISH	AS ABOVE		
COMP	HEAT TREATMENT			APPROVED	
SCALE :- 2:1	PRO. OFFR				
DIMENSIONS ARE IN MM	DIV. HEAD				
TOLERANCE :- 15: 2102 (Pt 2) MEDIUM	SPRING TYPICAL LOCK OCK WITH BUCKLE (PILOT PARACHUTE PSM SERIES 4&5)			PROG. DIRECTOR (QA) DRG No ADRDE/1354 DRD/85/98	

7



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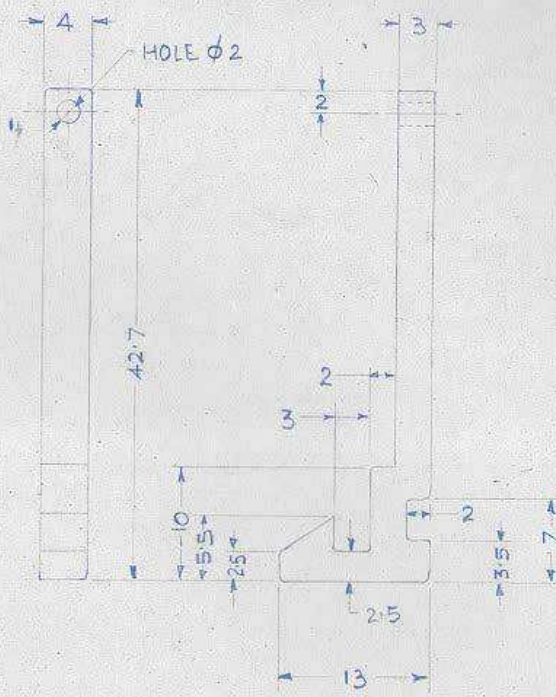
1-OFF

MATERIAL :- (i) SHEET STRIP TO GRADE 30 KH.GSA AS PER
GOST SPECIFICATION 4531-71 IN HARDENED &
TEMPERED CONDITION
OR
(ii) STEEL STRIP TO GRADE EN-5 AS PER
BS: 1449 PART 3 B: 1964 IN HARDENED AND
TEMPERED CONDITION

FINISH :- TO BE SMOOTHLY FINISHED AND CD-PLATED
TO MIN. THICKNESS OF 0.012 mm &
CHROMATE PASSIVATED AS PER IS: 1572+1968

R.NO.	DATE	ZONE	AUTHORITY	BRIEF RECORD	O/C	HEAD O.A.
DRN	mar 11		DRD	MATERIAL :-		ADRDE, AGRA
CHO	SK		Jd.	FINISH :-		
TRD			O/C	HEAT TREATMENT :-		
COMP			PGD			
SCALE :-	2:1		PROJ. OFFER			APPROVED
			DIV. HEAD			
DIMENSIONS ARE IN mm						
TOLERANCE :- IS: 2102 (Pt I) MEDIUM						
<p>LOCKING HINGE LOCK OCK WITH BUCKLE (PILOT PARACHUTE PSM SERIES-4&5)</p>						
						<p><i>Handwritten signature</i> PROJ. DIRECTOR (O.A.) DRG. NO DRDE/1354 DRD/85/98</p>

8

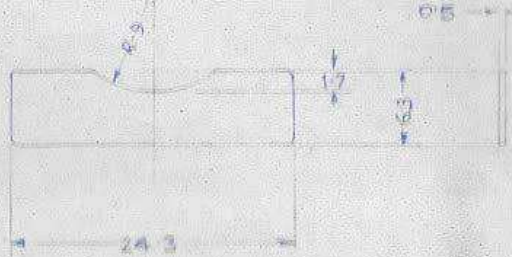


2-OFF

MATERIAL :- STEEL TO EN-24 AS PER BS:970-1935 IN HARDENED & TEMPERED CONDITION
 FINISH :- TO BE SMOOTHLY FINISHED AND CD PLATED TO A MIN. THICKNESS OF 0.012 mm & CHROMATE PASSIVATED AS PER IS:1572:1960

R.No	DATE	ZONE	AUTHORITY	BRIEF RECORD		0%	HEAD
DRN	madh		DRD	MATERIAL	AS ABOVE		ADRDE, AGRA
CHD	SK		7th	FINISH	AS ABOVE		
TRD			0%	HEAT TREATMENT			
COMP							
SCALE :- 2:1		PROJ. OFFR DIV. HEAD				APPROVED	
DIMENSIONS IN MILLIMETRES				<p style="text-align: center;">LOCKING LEVER LOCK OCK WITH BUCKLE (PILOT PARACHUTE PSM SERIES-4 & 5)</p>			
TOLERANCE:- 15:2102(P&T)							
MEDIUM							
						PROG. DIRECTOR (QA) DRG. No. ADRDE/1354	

9




1-OFF

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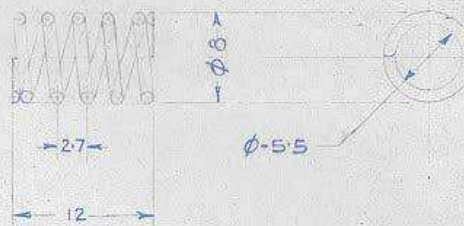
04 Cr 18 Ni 10

MATERIAL:- AUSTENITIC STAINLESS STEEL TO GRADE 0.7 Cr. 18 Ni 10 AS PER IS: 6603-1972

FINISH :- TO BE SMOOTHLY FINISHED AND POLISHED BRIGHT

R.No	DATE	ZONE	AUTHORITY	BRIEF RECORD		0/c	HEAD
DRN	DATE		DRD	MATERIAL:-	AS ABOVE		ADRDE, AGRA
EHD	SR		Jal. 0/c	FINISH	AS ABOVE		 APPROVED <i>Signature</i> PROG. DIRECTOR (QA)
TRD			0/c	HEAT TREATMENT			
COMP			PROJ OFFR				DRG No.
SCALE:-	2:1		DIV. HEAD	STRIP			ADRDE/1354
DIMENSIONS IN MILLIMETRES				LOCK OCK WITH BUCKLE			DRD/85/98
TOLERANCE:-	IS: 2102 (Pt-1)			(PILOT PARACHUTE PSM SERIES-4&5)			
MEDIUM							

10



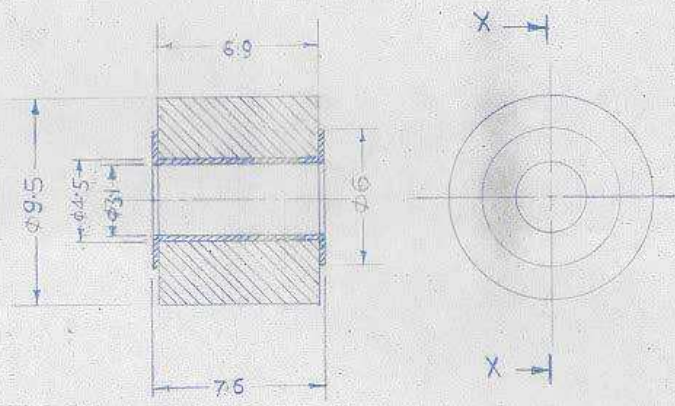
2-OFF

Perif

EMBRITTLMENT RELEASE:- SPRING AFTER CADMIUM PLATING & PRIOR TO CHROMATE PASSIVATION SHALL BE MAINTAINED TO A TEMP OF 150° - 200°C FOR 1/2 AN HOUR TO REMOVE HYDROGEN EMBRITTLMENT.
 MATERIAL :- SPRING STEEL WIRE TO GRADE I AS PER IS: 4454 (PART-I) 1975 IN COLD DRAWN CONDITION
 FINISH :- TO BE SMOOTHLY FINISHED & CD-PLATED TO A MIN. THICKNESS OF 0.012 mm AND CHROMATE PASSIVATED AS PER IS: 1572-1968

R.No.	DATE	ZONE	AUTHORITY	BRIEF RECORD		0 1/2	HEAD Q.A.
DRN <i>mac</i>			DRD	MATERIAL	AS ABOVE	ADRDE, AGRA	
CHD SR			<i>JSL</i>	FINISH	AS ABOVE		
TRD			<i>QW</i>	HEAT TREATMENT			
COMP			<i>0 1/2</i>			APPROVED	
SCALE :- 2:1			PROJ. OFFR. <i>JSL</i>				
DIMENSIONS IN MILLIMETRES			DIV. HEAD <i>QW</i>	SPIRAL SPRING LOCK OCK WITH BUCKLE (PILOT PARACHUTE PSM SERIES-445)			PROG. DIRECTOR (QA)
TOLERANCE:- IS: 2102 (Pt. I)							DRG No.
MEDIUM							ADRDE/1354
							DRD/85/98

11



SECTION-XX

1-OFF

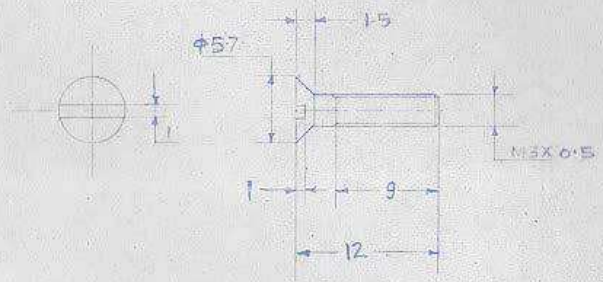
MATERIAL :- STEEL BAR AS PER BS: 970-EN: 8 IN NORMALISED CONDITION

FINISH :- TO BE SMOOTHLY FINISHED & CD-PLATED TO A MIN. THICKNESS OF 0.012 mm & CHROMATE PASSIVATED AS PER IS: 1572-1968

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RNO	DATE	ZONE	AUTHORITY	BRIEF RECORD		O/C	HEAD	
DRN	4/2		DRD	MATERIAL :-	AS ABOVE		ADRDE, AGRA	
CHD	SR		TAL	FINISH :-	AS ABOVE			
TRD			PROJ OFFR	HEAT TREATMENT :-	-			
COMP			O/C				APPROVED	
SCALE	4:1		DIV. HEAD				<i>Handwritten signature</i>	
DIMENSIONS ARE IN mm				<p align="center">ROLLER LOCK OCK WITH BUCKLE (PILOT PARACHUTE PSM SERIES - 4 & 5)</p>				PROG DIRECTOR (QA)
TOLERANCE IS: 2102 (Pt 1) MEDIUM								DRG NO
				DRD/85/98				

12



2-OFF

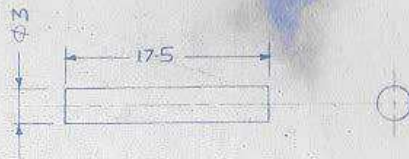
Handwritten signature

MATERIAL :- M.S. AS PER BS: 970-1983
GD-070 M-20

FINISH :- TO BE SMOOTHLY FINISHED &
CD-PLATED TO A MIN. THICKNESS
OF 0.012 mm. AND CHROMATED
PASSIVATED AS PER IS:11572-1968

DRN	DATE	ZONE	AUTHORITY	BRIEF RECORD	O/C	HEAD Q.A.
DRN	4p		DRD	MATERIAL :-		ADRDE, AGRA
CHD	SR		<i>Joshi</i>	AS ABOVE		
TRD			<i>MV BIRLIK</i>	FINISH :-		
COMP			O/C	AS ABOVE		APPROVED
SCALE :-	2:1		PROJ OFFR :- <i>Joshi</i>	HEAT TREATMENT :-		<i>Joshi's</i>
DIMENSIONS ARE IN mm			DIV HEAD <i>on</i>			PRG DIRECTOR (QA)
TOLERANCE IS: 2102 (Pt J)						DRG NO -
MEDIUM						ADRDE/1354
						DRD/85/98

SCREW
LOCK OCK WITH BUCKLE
(PILOT PARACHUTE PSM SERIES-4&5)



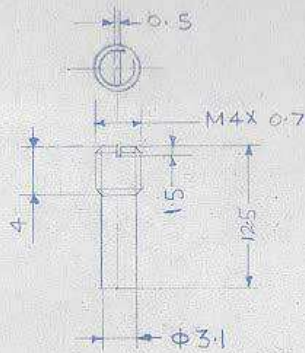
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MATERIAL :- AUSTENITIC STAINLESS STEEL EN-50E AS PER BS: 1970-1955
 FINISH :- TO BE SMOOTHLY FINISHED & POLISHED BRIGHT

RNO	DATE	ZONE	AUTHORITY	BRIEF	RECORD	OVC	HEAD
DRN			DRD	MATERIAL :-	AS ABOVE	ADRDE, AGRA	
CHD	SRV		<i>JL</i>	FINISH :-	AS ABOVE		
TRD			<i>9M</i>	HEAT TREATMENT :-			
COMP			OVC	SCALE :-	2:1	APPROVED	
				PROG OFFR :-	<i>SRV</i>		
				DIV HEAD :-	<i>SRV</i>	PROG DIRECTOR (G.A)	
DIMENSION ARE IN mm				PIN LOCK OCK WITH BUCKLE (PILOT PARACHUTE PSM SERIES-445)			
TOLERANCE :-							
IS: 2102 (Pt 1)				DRG NO			
MEDIUM				ADRDE/1354			
				DRD/85/98			

14



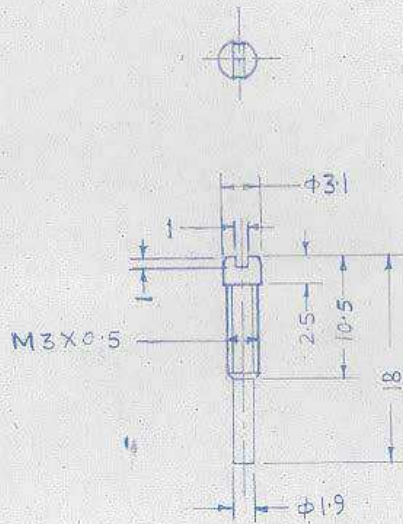
Amrit

2-OFF

MATERIAL:- STEEL BAR AS PER BS: 970-EN-8 IN NORMALISED CONDITION

DRN	DATE	ZONE	AUTHORITY	BRIEF RECORD	o/c	HEAD O.A.	
DRN			DRD	MATERIAL:- AS ABOVE	ADRDE, AGRA		
CHD	SR		<i>PPV</i>	FINISH:- CD PLATED 0.012 mm THICK AS PER IS: 1572-1968			
TRD			<i>28/11/24</i>	HEAT TREATMENT:-			
COMP			DGD		APPROVED <i>Shankar</i>		
SCALE: 2:1		PROJ. OFFER:- <i>SR</i>		PROG. DIRECTOR (GA)			
DIMENSIONS ARE IN mm		SCREW					
TOLERANCE IS: 2102 (Pt 3) MEDIUM		LOCK OCK WITH BUCKLE				DRG. NO. ADRDE 1-1354	
		(PILOT PARACHUTE FSM SERIES-495)				DRD/85/98	

16



2-OFF

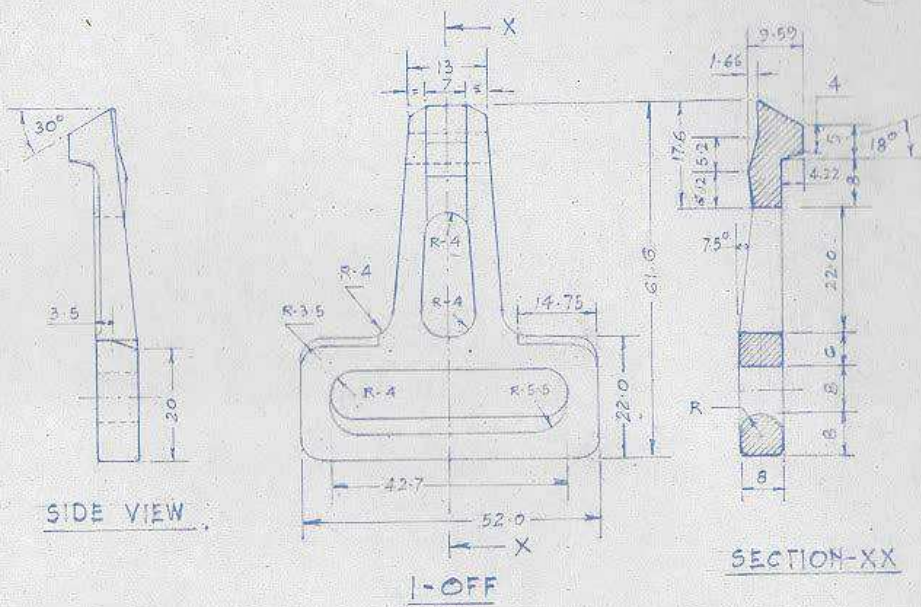
MATERIAL :- MILD STEEL WIRE ROD AS PER IS: 280-1972 IN NORMALISED CONDITION.

FINISH :- TO BE SMOOTHLY FINISHED & CD-PLATED TO A MIN. THICKNESS OF 0.012 mm. AND CHROMATE PASSEVATED AS PER IS: 1572-1968

Handwritten signature

R.No	DATE	ZONE	AUTHORITY	BRIEF RECORD		O/c	HEAD Q.A.
DRN	EP		DRD	MATERIAL:-	AS ABOVE	ADRDE, AGRA	
CHD	SR		Jd	FINISH:-	AS ABOVE		
TRD			OMY 28/11/25	HEAT TREATMENT:-			
COMP			O/c			APPROVED	
SCALE:-	2:1		PROJ OFFR Jd				
DIMNS IN MM			DIV. HEAD Jd			PROG DIRECTOR (Q.A) DRG No ADRDE/1354 DRD/85/96	
TOLERANCE	IS: 2102 (P-T) MEDIUM			SCREW LOCK OCK WITH BUCKLE (PILOT PARACHUTE PSM SERIES-445)			

17



MATERIAL:-

- a) MARTENSITIC STAINLESS STEEL BAR GRADE 17%Cr, 11%Ni, V₂ - NK AS PER GOST SPECN. 5632-72 IN HARDENED AND TEMPERED CONDITION. OR
- b) STEEL EN-24 AS PER BS1970-1955

FINISH:- (i) TO BE SMOOTHLY FINISHED & CADMIUM PLATED TO A MIN THICKNESS OF 0.012MM & CHROMATE PASSIVATED AS PER IS:1572-1985 Fe/Cd12 CA FOR MAT. 'a'
 (ii) TO BE SMOOTHLY FINISHED & POLISHED BRIGHT FOR MAT. 'a'

HEAT TREATMENT:-

HARDNESS:- AVERAGE 341/388 BHN.

NOTE:-

ALL SHARP EDGES TO BE ROUNDED OFF.

Handwritten signature

R.No.	DATE	ZONE	AUTHORITY	BRIEF RECORD		C/C	HEAD		
						D&S	Q/A		
SCALE:- 1:1				A.D.R.D.E., AGRA		DRN:			
DIMENSIONS IN MM				GROUP: PAS		CHD:			
TOL. (IS:2102 PT-1) MEDIUM				BUCKLE		DRN: <i>Shankar</i> CHD: <i>Shankar</i> Proj. DIR. <i>Shankar</i> o/c D&S <i>Shankar</i>			
MATERIAL:- AS ABOVE						LOCK OCK WITH BUCKLE (PILOT PARACHUTE PSM SERIES- 4 & 5)		APPROVED: <i>Shankar</i> (HEAD) Q/A	
FINISH:- AS ABOVE								DRG. No. <i>ADP/DE/1354</i> PROJ. No.	
HEAT TREATMENT:- AS ABOVE									