

--7132457A00 : CASE ASSY <SGL>  
R-902A-000CB

7200500A73

- 2      ✓ --7132457002 : LOOP / EAR.  
          A 52427-35
- 3      !--0121020028 : ST.SHT (12BG)2.5MM THICK,IS:1079-81
- ✓ --7132457003 : HANDLE.  
          A 52430-38
- 4      !--0133007010 : ST.RD.10 MM 6000 MM LENGTH TO SPECN
- 7132457004 : ANGLE PIECE.
- 5      !--0121022019 : M S SHT 2MM THK IS:1730 PT-II-74
- 7132457005 : ANGLE PIECE (CORNER).
- 6      !--0121022019 : M S SHT 2MM THK IS:1730 PT-II-74
- 7132457006 : HING ASSEMBLY.  
          NILL
- 7      ✓ --7132457007 : HING UPPER.  
          !--0131020016 : ST SHT 1.6MMTHICK
- BS:1449PTICS4SEC2
- 8      ✓ --7132457008 : HING LOWER.  
          !--0131020016 : ST SHT 1.6MMTHICK
- BS:1449PTICS4SEC2
- 9      ✓ --7132457009 : LINK.  
          !--0133011400 : MS WIRE 4MM DIA SPCN.IS:280-1978  
          !--1781909132 : WELD. ROD MS COPPER COATED 3.15
- MM
- 10    ✓ --0070057021 : CATCH ASSY TO DRG.NO. IA 793 SHT.3
- <<<7132457010 : CATCH ASSEMBLY.>>>  
          IA-793 SHT3
- 11    ✓ --7132457011 : CATCH PIECE.  
          IA-793 SHT4
- 12    ✓ --7132457012 : CHANNEL.  
          IA-793 SHT5
- !--0133020202 : MS SHT (16BG)1.6MMX1000X2500MM
- 13    ✓ --7132457013 : LINK FOR CATCH.  
          IA-793 SHT6
- !--0134010400 : MS WIRE 4 MM DIA IS:7557  
      !--1781909132 : WELD. ROD MS COPPER COATED 3.15
- MM
- !--0134016315 : WIRE MS (3.15)MMDIA 1/4 HARD IS:280  
      !--1781909132 : WELD. ROD MS COPPER COATED 3.15 MM

14

PAGE: 2

--7132457014 : PLATE HOOK.  
 !--0122023020 : MS SHT 2MM THK IS:513-96 GRADE'D  
 --1737001012 : SCREW WOOD SLTD CSK HD, 10X30-6760.  
 --0131010008 : ST.WIRE 0.8MM DIA TO SPECN:IS:280  
 (2) --9073000309 : BAG TO DRG NO.9-902-A -023  
 (3) --9073000405 : BAG TO DRG NO. 9-902A-024  
 (4) --9073000406 : BAG TO DRG NO. R-902A-025  
 --1753011606 : NAIL WIRE 1.6 MM X15 MM LONG-1972.  
 --1753011620 : NAILS IRON ROUND HD 2 X 20MM LONG.  
 --1753011414 : NAIL MS WIRE 2MM DIA X 40MM LONG  
 --1753071350 : NAIL MS WIRE CSK HD 2 TO 2.5X50 MM  
 --1745010310 : RIVET FLAT HD 5X24MM LONG.  
 --1737001020 : SCREW WOOD MS CSK SLTD HDNO.10X50MM  
 --1737001014 : SCREW WOOD MS CSK HD G-8 X 38 LONG  
 --1003212660 : FEVICOL  
 --2270463349 : PLYWOOD 2400MMX1200MMX6MM (5PLY)  
 --1011200120 : GREEN ENAMEL TY6-10-1361-78  
 --<<<1011402011 : GREEN ENAMEL TY6-10-1361-78-0,>>>  
 --1011200118 : YELLOW ENAMEL XB-16  
 --<<<1011402005 : YELLOW ENAMEL GOST 14192-77>>>  
 --9019001510 : PAPER WAXED W/P91 CM WIDEX100M ROLL  
 --2101221830 : FELT WOOLEN 6MM X 1320MM.  
 --1737000806 : SCREW WOOD SLTD CSK HD 8 X 30 MM  
 --9073000140 : PLUG DRG.NO.902-01-401.  
 --7132332010 : HOOK WRENCH.(T-72)\*  
 902 - 03 - 001  
 !--0145030416 : STEEL FLAT(3"x1")75X25MM BS:1449PT1  
 --<<<7132332000 : HOOK WRENCH FOR SMOKE GRENADE>>>  
 902-03-001  
 !--0145030416 : STEEL FLAT(3"x1")75X25MM BS:1449PT1  
 --<<<9080081579 : HOOK WRENCH TO DRG.NO.902-03-001>>>

15

16

2

7200500A73

17

! --7132457PLK : TIMBER PLANKS FOR T72-SGL CASE

18

✓ --713245PLK1 : LATH R-902A-026  
R-902A-026

PAGE: 3

19

! --2216994238 : CHAPLAS PLANK 510 X 55 X 25MM

✓ --713245PLK2 : PARTITION R-902A-002  
R-902A-002

! --2216994239 : CHAPLAS PLANK 475 X 90 X 25MM

20

--713245PLK3 : INSERT PINEGRADE R 902A-007  
R 902A-007

! --2216994240 : CHAPLAS PLANK 175 X 100 X 20MM

21

⓪ --713245PLK4 : WALL R 902A-022  
R 902A-022

! --2216994075 : TIMBER CHAPLASH 510X120X25MM.

22

--713245PLK5 : PINE WOOD PARTITION R 902A-019  
R 902A-019

! --2216994076 : TIMBER CHAPLASH 365X90X25MM.

23

--713245PLK6 : PINE WOOD PARTITION R 902A-018  
R 902A-018

! --2216994077 : TIMBER CHAPLASH 180X90X25MM.

24

✓ --713245PLK7 : WALL R 902A-017  
R 902A-017

! --2216994236 : CHAPLAS PLANK 1075 X 120 X 25MM

25

--713245PLK8 : PINE BOARD R 902A-015  
R 902A-015

! --2216994237 : TIMBER CHAPLASH 1075X170X25 MM

! --<<<2216501575 : CHAP, B/SAL, SAL-1500&UPX150&UPX75MM>>>

--- END OF TREE ---

Any more copies required? (Y/N)

34

SIZE	ZONE	REF No	PART No	NOMENCLATURE	Qty	REMARKS
				<u>DOCUMENTS</u>		
12			902.03.100 CE	ASSEMBLY DRAWING		✓
				<u>ASSEMBLY UNITS</u>		
12	1		902.03.110 CE	CLEANING ROD BODY	1	✓
				<u>COMPONENTS</u>		
12	3		902.03.101	CLEANING ROD SPRING	1	✓
11	4		902.03.102	CUP	1	✓
11	5		902.03.103	SCREW	1	✓
12	2		902.03.104	CLEANING ROD BLOCK	1	✓

INSTEAD OF INVENTORY No. SIGNATURE AND DATE  
 INVENTORY No. SIGNATURE AND DATE

ALL	Spec No	No OF DOCUMENT	SIGNATURE	DATE
DESIGNER				
CHECKED BY				
CHIEF OF DS&A DEPARTMENT				
INSPECTOR				
APPROVED				

902.03.100

CLEANING ROD

LETTER SHEET NO OF SHEET

		1	2
--	--	---	---

HEAVY VEHICLE FACTORY  
AVAD

4-2  
29

LINE NO	PART NO	QTY	TOTAL	REMARKS
1				
2				
3	9-902A 000			9-902A 000 CASE
4	9-902A 010			9-902A 010 KOPRYG FRAMC
5	9-902A 020	1	1	9-902A 020 KRYUKA COVLR
6	9-902A 030	1	1	9-902A 030 KOPRYG FRAMC
7	9-902A 040	1	1	9-902A 040 DHO BOTOM
8	9-902A 050	1	1	9-902A 050 BRYKBYL INSERT
5	9-902A 060	1	1	9-902A 060 GRYMKA BRYKBYL INSERT
10	9-902A 070	1	1	9-902A 070 SMYKKA WALL
11		2X	2X	
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

ORIGINAL INVENTOR	SIGNATURE
DATE	
CHECKED BY	
INSPECTOR	
APPROVED	

9-902A 000 BC

BOX

PARTS LIST

CGAW) JABALPUR

5/I-T

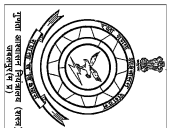
LETTER SHEET NO OF SHEET

1 1 1

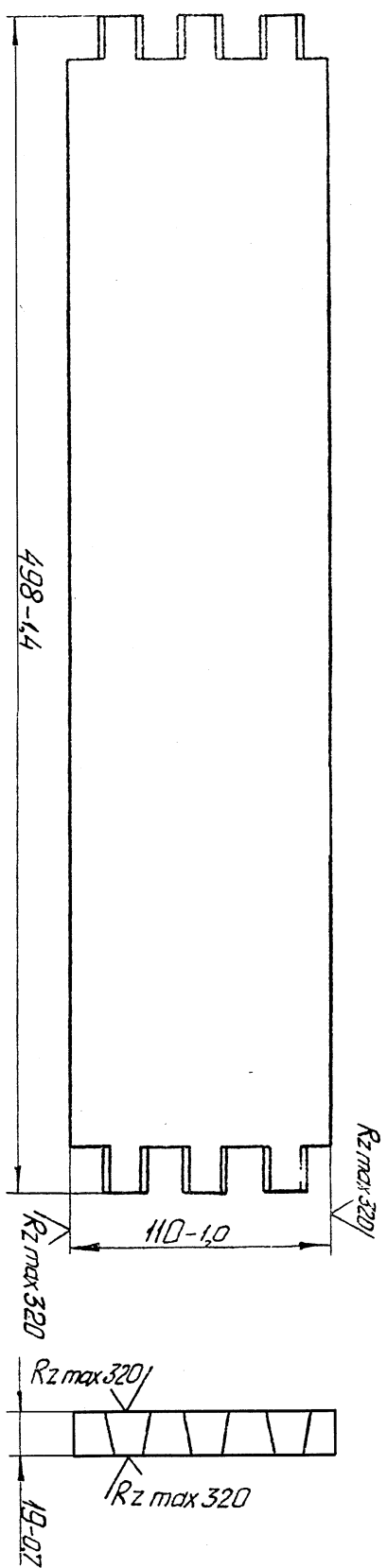
AS P1

PART No. **9-902 A 022**

DIMENSIONS ARE IN mm



Rz max 800 (V)

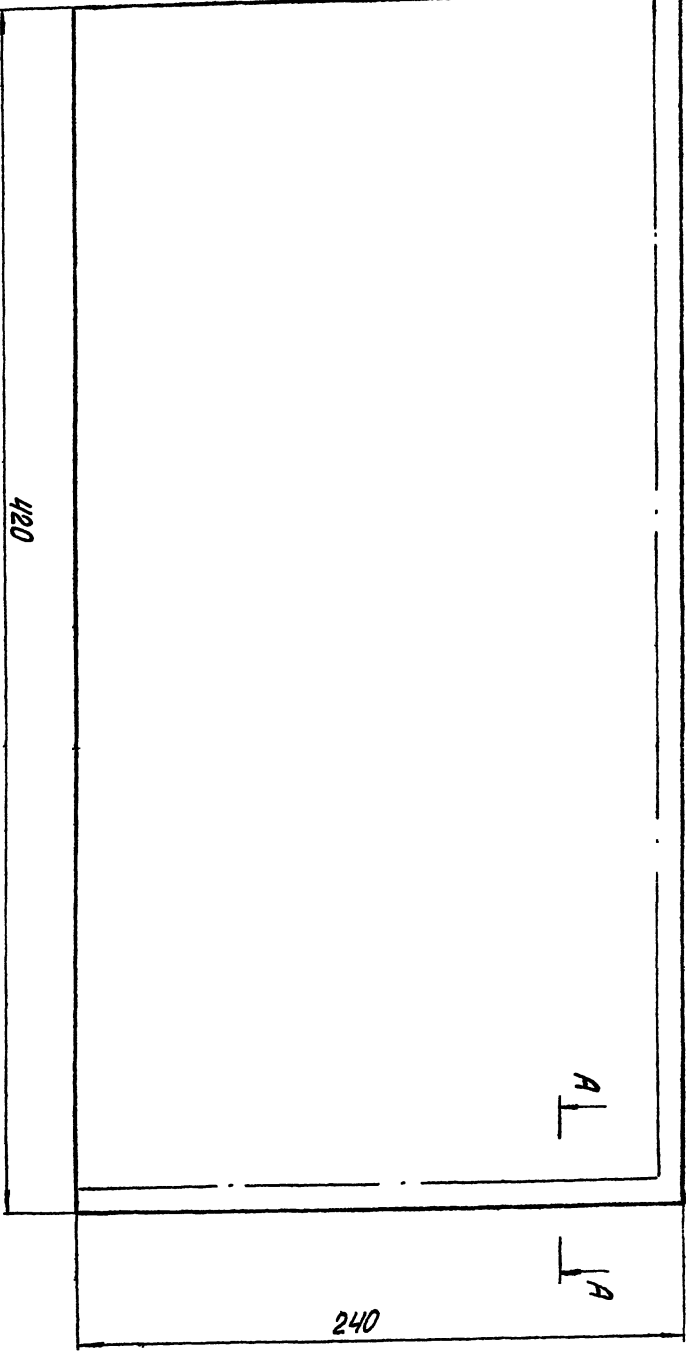


TONGUES SHOULD BE CUT IN ACCORDANCE WITH Y 9 -2 GOST 9330-76

DRAWN:-		CHD:-		ASSY DRG:-	
SCANNED:- <i>[Signature]</i>	CHD:- <b>OPS</b>	DATE:-			
MATERIAL:- PINE WOOD 3 GRADE GOST 8486-66	DO	FOR COA(W)	ESTD mass:-		
PROTECTIVE FINISH:-					
DATE: 4.4.06		SCANNED & PRINTED WITHOUT CHANGE			
AUTHORITY	ZONE	AMENDMENTS			
PREV DC Nos:-		SIG AHSP	SIG DO		
DRG SEALED:- 16960-W DATED 03-09-85		DO COA(W)			
DESIGN No.		COA(W), JABALPUR			
PART No.		<b>9-902 A 022</b>			
DS CAT No.		WALL			

PART No 8  
**A - 902 A. 023**

7  
 DIMENSIONS ARE IN mm



1. WELDED SURFACES ARE TO BE PUT ONE ON ANOTHER, WRINKLES, AND FOLDS ARE NOT ALLOWED.
2. AVOID BULKING WHILE WELDING FILM SEAMS.
3. UN. WELDED EDGES OF FILMS SHOULD BE TRIMMED OFF.
4. BAGS MAY BE MANUFACTURED FROM TWO PARTS.
5. BAGS MAY BE MANUFACTURED FROM THE FILM OF THICKNESS 0.200.



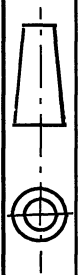
**A - A**  
 SCALE 1 : 1



DATE	AUTHORITY	ZONE	AMENDMENTS	SIG AHP	SIG DO
8.5.06			SCANNED & PRINTED WITHOUT CHANGE		

DRAWN -	CHD -	ASSY' DRG -
SCANNED - <i>W</i>	CHD <i>op</i>	DATE -
MATERIAL - <i>polyethylene</i>	DO <i>for COA(W)</i>	SCALE - 1 : 2
POLYETHYLENE FILM Co O 150 2 GRADE GOST 10354-73	FOR COA(W)	ESTD mass -
PROTECTIVE FINISH -		

**COA(W), JABALPUR**

DESIGN No 

PART No **A - 902 A. 023**

DS CAT No

PREV DC Nos -

DRG SEALED - 16360-W/DT 3-9-85

PROV

DO COA(W)

**BAG**

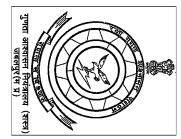
PART No **A - 902 A. 023**

DS CAT No

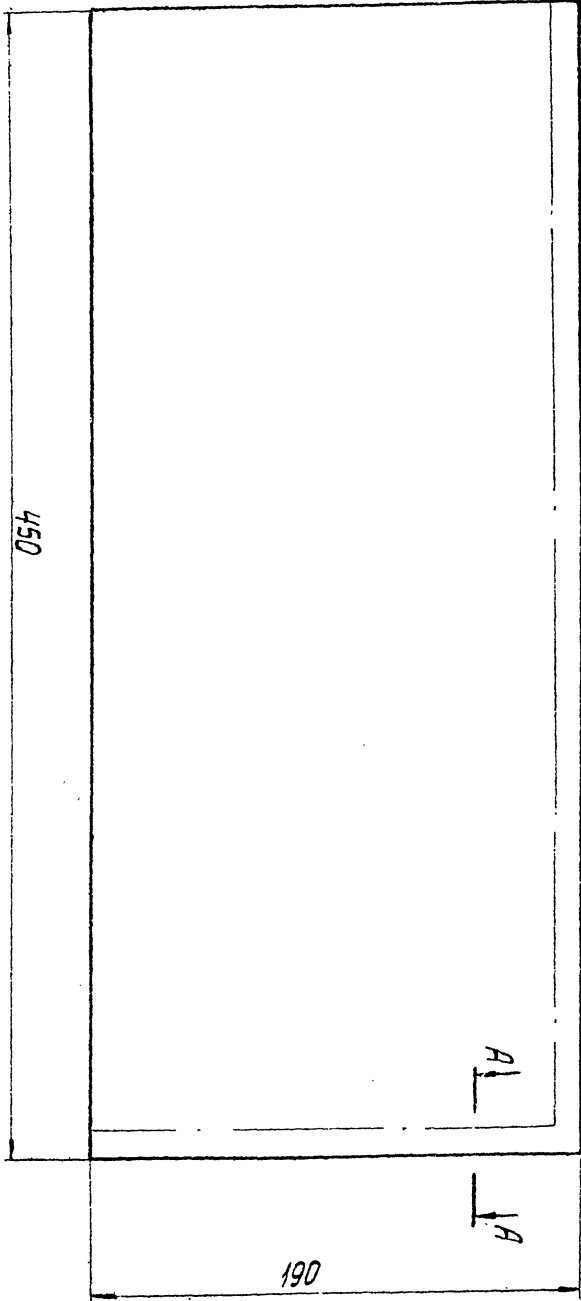
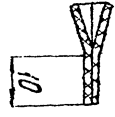
PART No. 8 7 6 5 4 3 2 1

**Q-902 A. 024**

DIMNS ARE IN mm



**A-A**  
SCALE :- 1 : 1



1. WELDED SURFACES ARE TO BE PUT ONE ON ANOTHER WRINKLES AND FOLDS ARE NOT ALLOWED
2. AVOID BURNING WHILE WELDING FILM.
3. UN. WELDED EDGES OF FILMS SHOULD BE TRIMMED OFF.
4. BAGS MAY BE MANUFACTURED FROM TWO PARTS.
5. BAGS MAY BE MANUFACTURED FROM THE FILM OF THICKNESS 0.200.

MATERIAL :- LDPE GRADE AT TYPE -1 TO SPEC. ISS 9330-03:95  
DC No 3336-ME DATED 15-9-95

DATE	AUTHORITY	ZONE	SCANNED & PRINTED WITHOUT CHANGE	SIG AHSP	SIG DO
8.05.06					

DRAWN:-	CHD:-	ASSY DRG:-
SCANNED:- <i>[Signature]</i>	CHD:- <i>[Signature]</i>	DATE:-
MATERIAL:- AS ABOVE	DO	SCALE:- 1 : 2
PROTECTIVE FINISH:-	FOR COA(W)	ESTD mass:-

PART No.	DESIGN No.
<b>QQA(W), JABALPUR</b>	
<b>Q-902 A. 024</b>	

PREV DC Nos:- 16360-W & 18606-W DT 28-12-2000  
DRG SEALED:- 16360-W/DT 3-9-85  
PROV

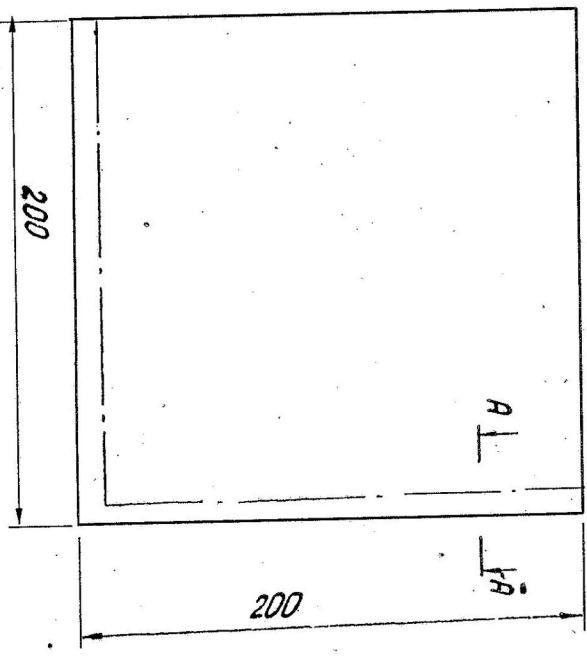
DO COA(W)

**BAG**

DS CAT No.

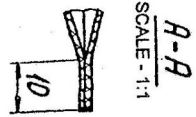


PART No. 902 A - 025  
 DIMENSIONS ARE IN mm



1. WELDED SURFACES ARE TO BE PUT ONE ON ANOTHER WRINKLES AND FOLDS ARE NOT ALLOWED
2. AVOID BURNING WHILE WELDING FILM.
3. UN. WELDED EDGES OF FILMS SHOULD BE TRIMMED OFF.
4. BAG MAY BE MANUFACTURED FROM TWO PARTS.
5. BAG MAY BE MANUFACTURED FROM THE FILM OF THICKNESS 0.200

INDIGENOUS MATL:- JSS 9330-03: 2014 POLYETHYLENE LOW DENSITY, LINER LOW DENSITY & HIGH DENSITY GRADE HIGH DENSITY TYPE I



INDIGENOUS MATL ADDED		DRAWN:-		CHD:-		ASSY DRG:-		COA(W), JABALPUR	
SCANNED & PRINTED WITHOUT CHANGE		CHKD:-		DATE:-		SCALE:- 1:2		DESIGN No.	
AMENDMENTS		MATERIAL:- POLYETHYLENE FILM		DO		ESTD mass:-		PART No. R 902 A - 025	
AUTHORITY		SIG. AHSP		SIG. DO		FOR COA(W)		DS CAT No.	
DATE		PROTECTIVE FINISH:-		BAG		DRG SEALED PROV.:-16360-W-DI.03-09-85		DO COA(W)	



PART No.

**Я-902 A 026**



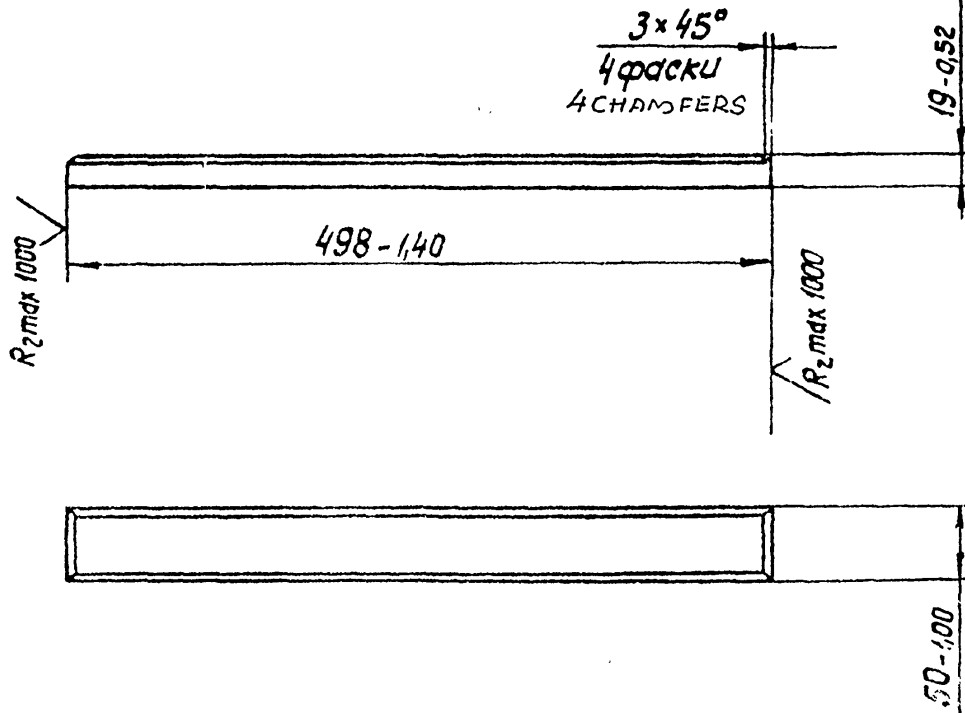
$R_{zmax} 630$  ✓ (V)

D

C

B

A



						<b>CQA(W) JABALPUR</b>	
						DRN	CHD <i>Adkayev</i>
						SCANNED SKB.	CHD: OPS.
						APPROVED	AHSP
28-3-06						DO	FOR CQAW
DATE	AUTH	ZONE	AMENDMENTS	SIG AHSP	SIG DO	ASSY DRG.	
PREV DC Nos:							
DRG SEALED PROV:-16360-W Dt.03-09-85						DESIGN No.	
SCALE 1:5						PART No.	
ESTD MASS						<b>Я-902 A 026</b>	
DATE :-						DS CAT No.	
MATERIAL :- PINE WOOD 3 GRADE GOST 8486-66							
<b>LATH</b>							

PART No.

8

**R-902 A 002**

DIMENSIONS ARE IN mm

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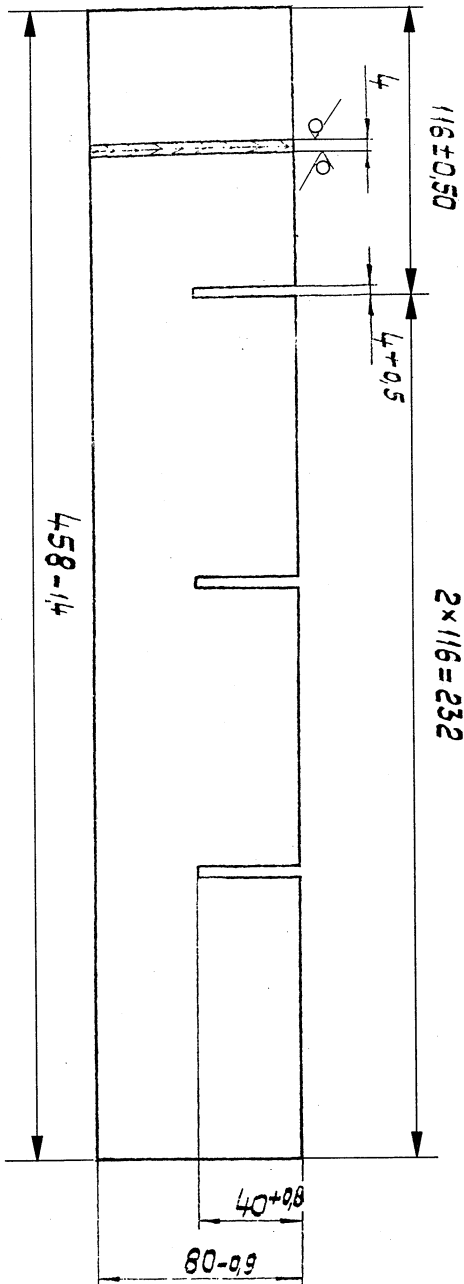
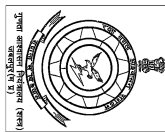
4

3

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1

Rz max 800



DRAWN:-		CHD:-		ASSTY DRG:-	
SCANNED:- <i>R.P.</i>		CHD:- <i>OPD</i>		DATE:-	
SCANNED & PRINTED WITHOUT CHANGE		AHSP		SCALE:- 1 : 2	
AMENDMENTS		DO FOR CQA(W)		ESTD mass:-	
DATE		SIG. DO		DESIGN No.	
AUTHORITY		SIG. AHSP		PART No.	
ZONE		SIG. DO		DS CAT No.	
PREV DC Nos:-		MATERIAL:- FIBER BOARD T-400 4 mm GOST 4598-74		DESIGN No.	
		PROTECTIVE FINISH:-		PART No.	
				DS CAT No.	

# PARTITION



PART No. **R-902 A 002**

DS CAT No.

DRG SEALED:- 16360-W DT 3-9-85  
PROV

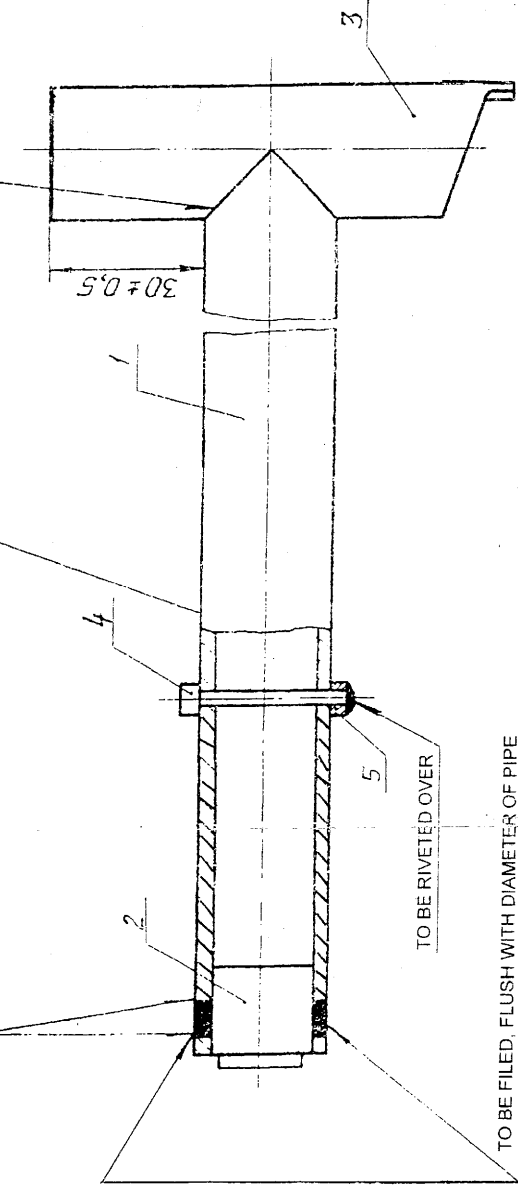
DO CQA(W)

PART No.

902 . 03 . 110 C B

DIMENSIONS ARE IN mm

GOST 5264-69-H3-80-II PLACE FOR TESTING HARDNESS GOST 5264-69-TI-A2-II



TO BE FILED, FLUSH WITH DIAMETER OF PIPE

TO BE RIVETED OVER

POINT 5

- NOTE :- 1. ELECTRODE HOLDER TYPE 985-φ 2.5 GOST 9467-75  
 2. ROUGHNESS OF WELD SURFACES SHOULD BE AS PER THE STANDARD  
 3. HRC 37-44  
 4. COATING CHEMICAL PHOSPHATING HASTENED CHROMATIZING  
 1 LAYER OF VARNISH Bφ-4C WITH NIGROSINE PREPARED AS PER PMO 1434-64  
 5. MARK K, V  
 6. WELDING IN CO. WITH WIRE 1C B-08 Γ 2C GOST 2246-70 OR 1C B-08 Γ GOST 2246-70 IS ALLOWED

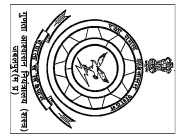
DRAWN:-		CHD:-	ASSY DRG:-
SCANNED:-		CHD:- O.P.S.	DATE:-
SIGNATURE: <i>[Signature]</i>		AHSP	SCALE:- 1:1
C/D/MAN		DO	FOR CQA(W) ESTD mass:- 0.554
MATERIAL:-		DO	
PROTECTIVE FINISH:-			
DATE	AUTHORITY	ZONE	DESIGN No.
4.4.06			
SCANNED & PRINTED WITHOUT CHANGE			
AMENDMENTS			
SIG. AHSP	SIG. DO		
PREV DC Nos:-			
DRG SEALED PROV:- 16360-W D1 3-9-85			
DO CQA(W)			
PART No. 902 . 03 . 110 C B			
DS CAT No.			

COALPUR

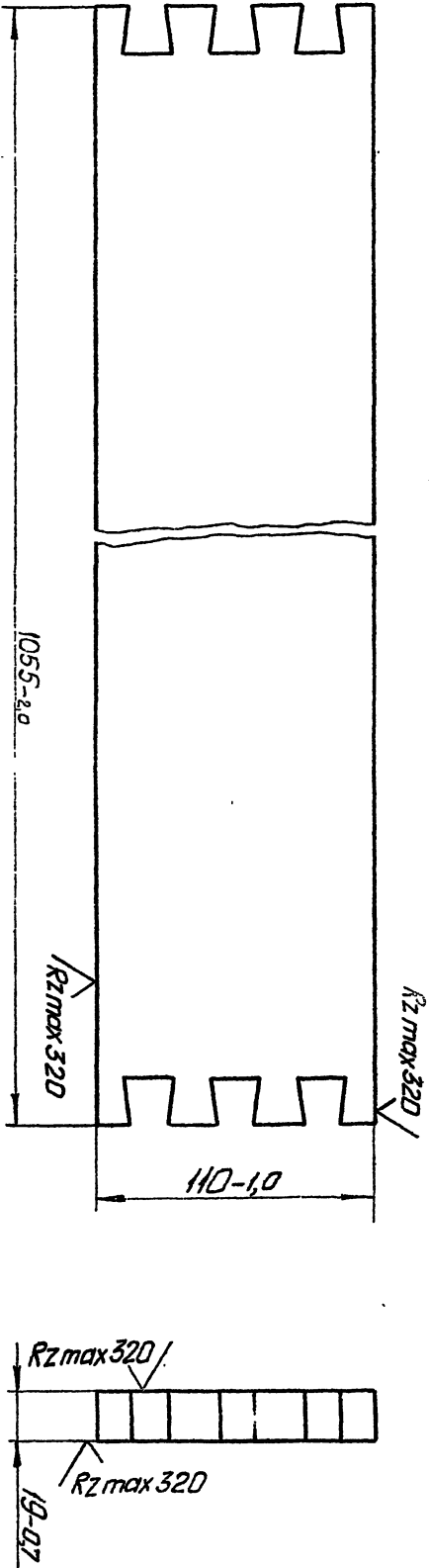
CLEANING ROD BODY ASSEMBLY DRAWING

PART No. 8 7 6 5 4 3 2 1

**R-902 A 017** DIMENSIONS ARE IN mm



*Rz max 800* / (W)



TONQUES SHOULD BE CUT IN ACCORDANCE WITH  
 Y1 - 2-GOST 9330-76

4-5-96	DATE	AUTHORITY	ZONE	SCANNED & PRINTED WITHOUT CHANGE	SIG. AHSP	SIG. DC
				AMENDMENTS		

DRAWN:-	CHD:-	ASSY DRG:-
SCANNED:-	CHD:-	DATE:-
MATERIAL:- PINEWOOD 3 GRADE GOST 8486 - 86	DO FOR COA(W)	SCALE:- 1 : 2
PROTECTIVE FINISH:-		ESTD mass:-

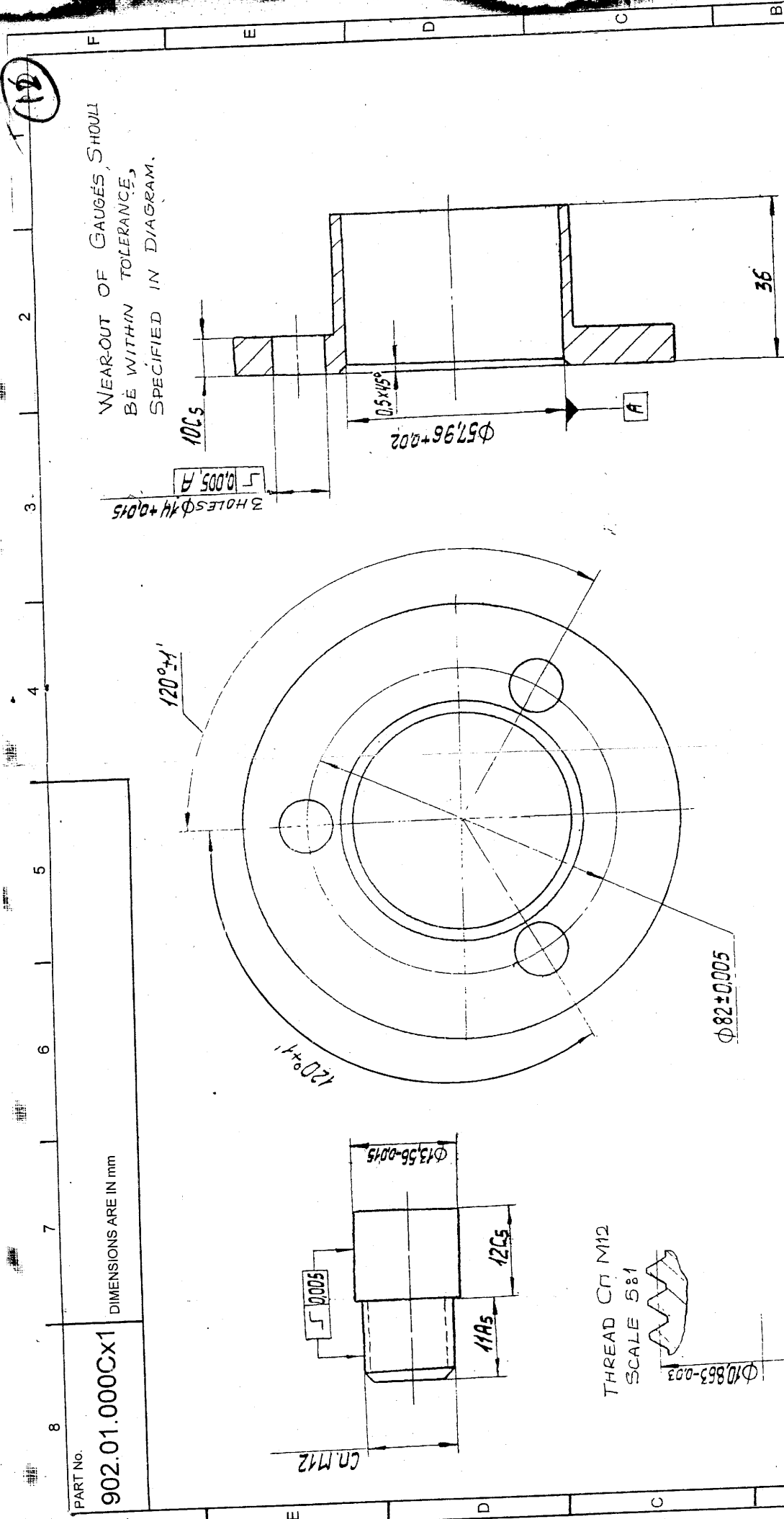
DESIGN No.	COA(W), JABALPUR
PART No.	R-902 A 017
DS CAT No.	



DRG SEALED:- 16360-W Dt 3-9-85  
 PROV  
 DO COA(W)

**WALL**

PART No. **R-902 A 017**  
 DS CAT No.



WEAR-OUT OF GAUGES SHOULD BE WITHIN TOLERANCE, SPECIFIED IN DIAGRAM.

PART No.  
**902.01.000CX1**

DIMENSIONS ARE IN mm

THREAD C/F M12  
SCALE 5:1



21/208	19113-W	HINDI NOMEN ADDED	SCANNED & PRINTED WITHOUT CHANGE	SIG: [Signature]	DO: [Signature]
28.4.96		AMENDMENTS		SIG: [Signature]	DO: [Signature]
DATE	AUTHORITY	ZONE			
PREV DC Nos:-					
DIAGRAM OF GAUGE FOR CHECKING OF HOLES M12					
आयागाम ऑफ गेज फॉर चेकिंग ऑफ होल्स एम 12					
DRG SEALED:- 16360-W DATED 3-9-85					
DO CQA(W)					
PROTECTIVE FINISH:-					
MATERIAL:- FIBER BOARD T-400 4 mm GOST 4588-74					
FOR CQA(W)					
ESTD mass:-					
SCALE:- 1:1					
DATE:-					
ASSY DRG:-					
DRAWN:-					
SCANNED:- Pk A		CHD:- ASJA		AHSP	
C/D/MAN		DO			
CQA(W), JABALPUR					
DESIGN No.					
PART No. 902.01.000CX1					
DS CAT No.					

12

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F

E

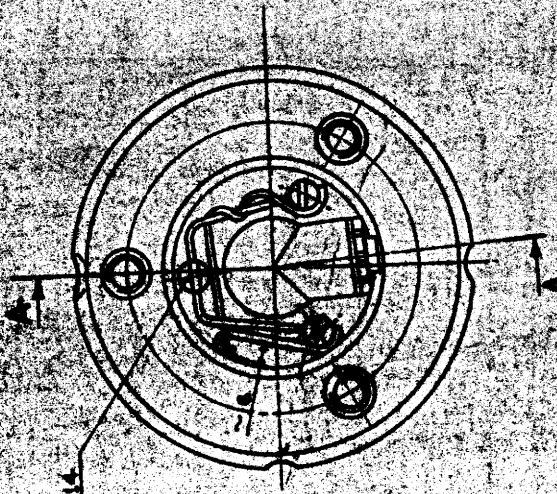
D

C

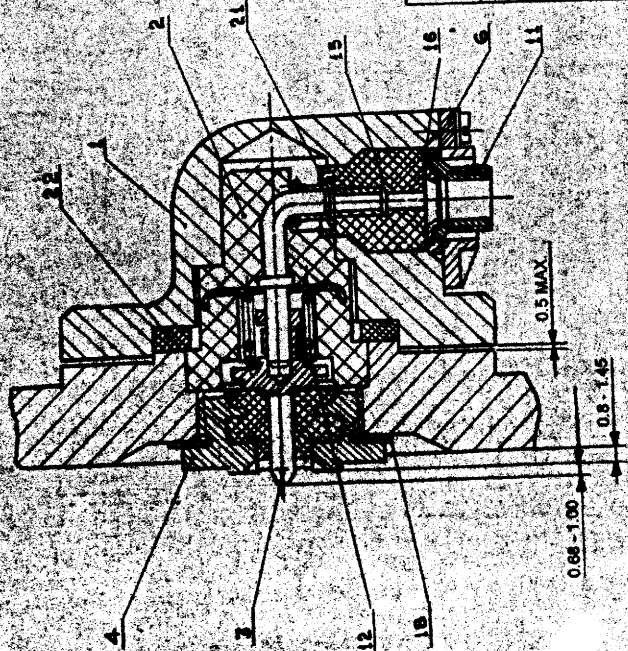
B

A





A-A  
SCALE 2

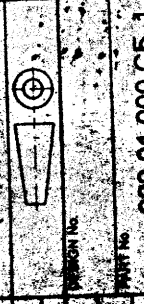


NOTES

- 1 LOCK 13 AND GASKET 19 SHOULD BE SLIPPED ON TUBE 7
- 2 THREADED PART OF TUBE 7, BREECH 8, GASKET 19, RING 10 SHOULD BE LUBRICATED WITH LUBRICANT SIATIM-221 (GOST 9433-90)
- 3 TUBE 7 SHOULD BE SCREWED IN BREECH 8 TILL THE STOP AGAINST ITS FACE AND LOCKED WITH COUNTER WRENCH WITH TORQUE OF 15 ± 1 N.M.
- 4 RETAINER 18 SHOULD LOCK BREECH 8 AND TUBE 7 TWO QUARTERS OF OPPOSITE DIRECTIONS
- 5 PLUG 11 SHOULD BE SLIPPED ON THE FACE OF TUBE 7 AS FAR AS IT WILL FIT
- 6 SCREWS 12 SHOULD BE SCREWED USING LUBRICANT 221 (GOST 9433-90) TIGHTENING UNIFORMLY TILL THEIR STOP
- 7 TRANSFORMATION AND OPERATION OF ARTICLE SHOULD BE CARRIED OUT IN POLYETHYLENE CASE
- 8 THE FORCE OF EXTRACTING DUMMY 3 & 6 SHOULD BE 12-40 N
- 9 BEING DEPRESSED THE ELECTRIC STRIKER 3 UNDER ACTION OF SPRING 12 SHOULD RETURN TO THE INITIAL POSITION WITHOUT JAMMING
- 10 THREADED HOLES 9 AND 8 AFTER FINAL ASSEMBLY SHOULD BE LUBRICATED WITH LUBRICANT SIATIM 221 (GOST 9433-90)
- 11 WHEN MOUNTING HOUSING 1 SEE THAT THE MARKED NUMBER OF ARTICLE ON THE BREECH RING SHOULD GET LOCATED AT THE OPPOSITE SIDE ON A HOLE MEANT FOR FASTENING THE CABLE TO THE HOUSING

GR No 41616 KD (A2) 3

CQA(W) JABALPUR



WEIGHT No. 902.01.000 C6-1  
PART No. 1015-003957

LAUNCHER  
ASSEMBLY DRAWING

लॉन्चर  
असेम्बली ड्राइंग

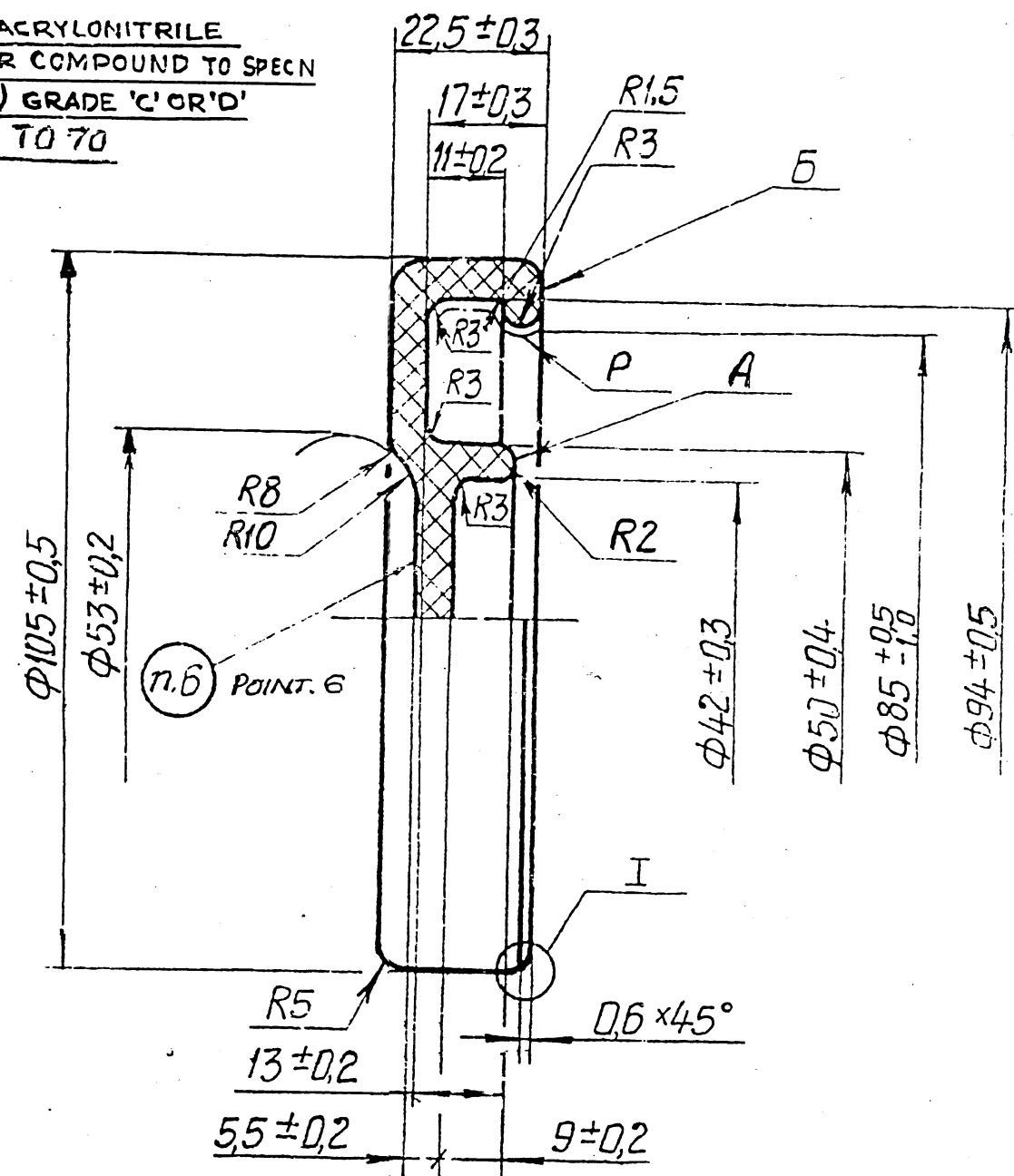
ASSEMBLY No.	DATE	SCALE: 1:1
DESIGNED BY: [Signature]	FOR COA(W)	ESTD. 1953
CHECKED BY: [Signature]	DO	PROTECTIVE FINISH
APPROVED BY: [Signature]		

DATE	AMENDMENTS	SIG	DO
19-04-08	SCANNED & PRINTED WITHOUT CHANGE	AL	DO COA(W)
PREV DC Nos. (6406-W, 17068-W, 17240-W & 18115-W)			

DRG SEALED: 16406-W dated 24-12-08

PART No.  
**902.01.401**

INDIGS MATL :- ACRYLONITRILE  
BUTADIENE RUBBER COMPOUND TO SPECN  
IND/ME/914 (PROV) GRADE 'C' OR 'D'  
HARDNESS 55 TO 70

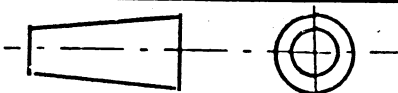


I VARIANT  
SCALE 1:1

1. DIMENSIONS ARE ENSURED BY MOULD.
2. ROUGHNESS OF MOULDING SURFACES 0.32
3. CAVITIES AND MOULDING FLOW OF HEAD A SHOULD BE AS PER THE STANDARD.
4. PARTING BEAM UPTO 1mm WITH A THICKNESS UPTO 0.3mm IS ALLOWED.
5. OTHER REQUIREMENTS ARE AS PER SPECS. TY 005.216-75 on PT/A/1 OF CODE 253151.
6. THE FOLLOWING SHOULD BE MARKED ENGRAVING PRINTS OF MOULD. COMPONENT No. 902.01.401 ; MANUFACTURING PLANTS TRADE MARK SERIAL No. OF THE MOULD AND SEAT WITH PROJECTION OF TWFE 3.5 GOST 2.304-68 ON SURFACES OF COMPONENT NOT EXCEEDING 0.15 - 0.2.
7. ALTERNATE MATERIAL - RUBBER MIXTURE 98-1 TY 38005.1166-73 AND 40 - 68 - 1 SPECS. TY 38-005.1166-73.
8. P. MATING SURFACE.
9. MANUFACTURING DATE AND ACCEPTANCE SIGN SHOULD BE MARKED ON TAG.
10. DO NOT CARRY OUT TESTS OF READY-MADE ARTICLES.
11. TECHNICAL REQUIREMENTS FOR ALTERNATE MATERIAL SHOULD BE AS PER TY 38.005.839-70 WITH VISUAL INSPECTION GRADING IN COMPLIANCE WITH P.2.5 OF TABLE 3 OF GROUP NUMBER PT/1- B.
12. MANUFACTURING PLANTS TRADE MARK MAY NOT BE MARKED.
13. RECESS FLASHES HAVING A DEPTH UPTO 1mm AROUND THE PARTING SEAM OF MOULD ON SURFACES B ARE ALLOWED.
14. IDLE SURFACES ARE PERMITTED TO BEAR THE FOLLOWING FLOWS:
  - a) DEFLECTIONS, DEPRESSIONS AND CAVITIES WITH A DEPTH UPTO 1mm;
  - b) INCLUSIONS AND TRACES OF INCLUSIONS WITH DEPTH UPTO 1.5mm AN AREA UPTO 2 mm<sup>2</sup>.
  - c) MOULDING FLAWS TO A DEPTH UPTO 1.5mm, WITH AN AREA UPTO 3% OF COMPONENT SURFACE.

DRAWN:- CHD:- ASSY DRG:-  
SCANNED:- PKA CHD:- ASJKR DATE:-  
AHSP SCALE:- 1:1  
C/D/MAN DO FOR CQA(W) ESTD mass:- 0.08g  
MATERIAL:- RUBBER H0-68-1 TY 005. 216-75

CQA(W), JABALPUR



DESIGN No.

PART No.  
**902.01.401**

DS CAT No.

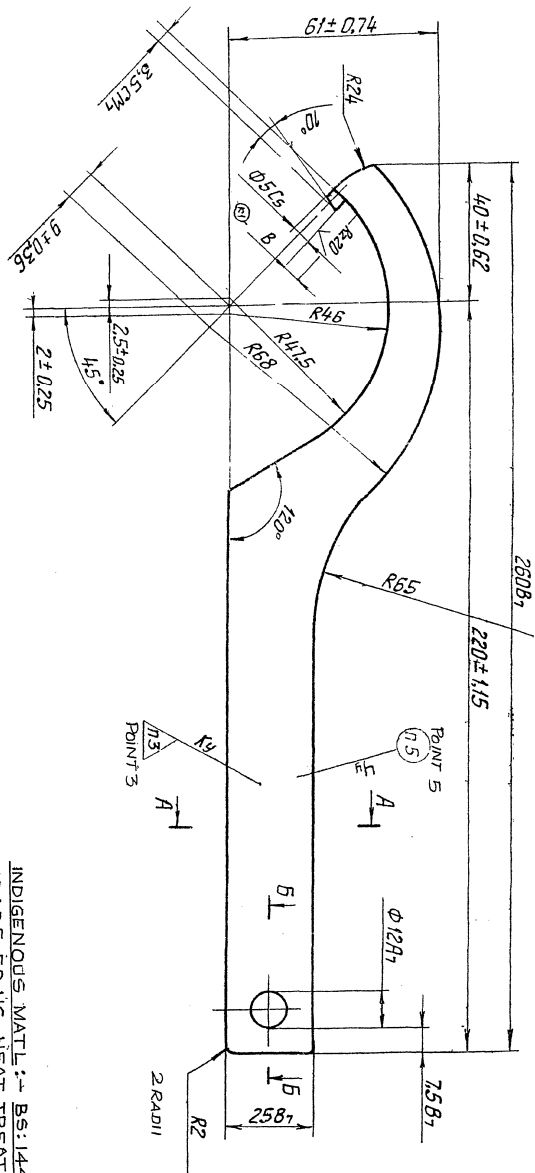
**PLUG तलग**

DO CQA(W)



PART No 8  
902.03.001

7  
DIMENSIONS ARE IN mm



A-A  
R2  
4 RADII

B-B

MATERIAL:- SHEET BG GOST 19903-74  
50 GOST 1577-70.

INDIGENOUS MATL :- B5:1449, PART 1 1983, SEC 4  
GRADE 50 HS. HEAT TREATED TO ACHIEVE THE HARDNESS  
HRC 35 TO 40.

1. HRC 35...40.
  2. COATING : Zn9, CHROMATIZING.
  3. U,K SHOULD BE MARKED
  4. STRAIGHT LINEAR SECTION WITH A LENGTH OF NOT MORE THAN 5mm ON SECTION B IS ALLOWED.
  5. VY SHOULD BE MARKED WITH TYPE 70-5 GOST 2930-62
- ALT MATL :- Gde 50 HS/CS TO B5:1449 Pt.1-83, HEAT TREATMENT TO ACHIEVE HARDNESS AS PER DRG COATING :- ZINC PLATING TO FA 270 9 TO IS:1573-70, FOLLO WED BY CHROMATE PASSIVATION TO IS: 1340-73.

212.08/19113-W	HINDI NOMEN ADDED	SCANNED & PRINTED WITHOUT CHANGE	SIG	DO
45.06	DATE	AUTHORITY ZONE	AMENDMENTS	SIG
PREV DC Nos:- 16360-W & 1752-W/DT 12-10-83			DO	DO

DRAWN:-	CHD:-	ASSY DRG:-
SCANNED:-	DATE:-	SCALE:- 1:1
DO	FOR COAWM	ESTD mass:- 0.220
MATERIAL:- AS ABOVE		
PROTECTIVE FINISH:-		

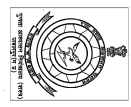
COAWM, JABALPUR	DESIGN NO.
PART NO 902.03.001	
DS CAT NO.	

DRG SEALED:-16360-W/DT 03-09-85

DO COAWM

# HOOK WRENCH

हुक रेन्च



R280  
W



2 ASI

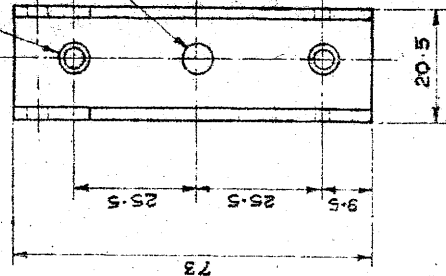
ON I.P.R.

DRAWING CONVENTIONS CONFORM TO IS: SPECIFICATIONS  
DIMENSIONS ARE IN MM.

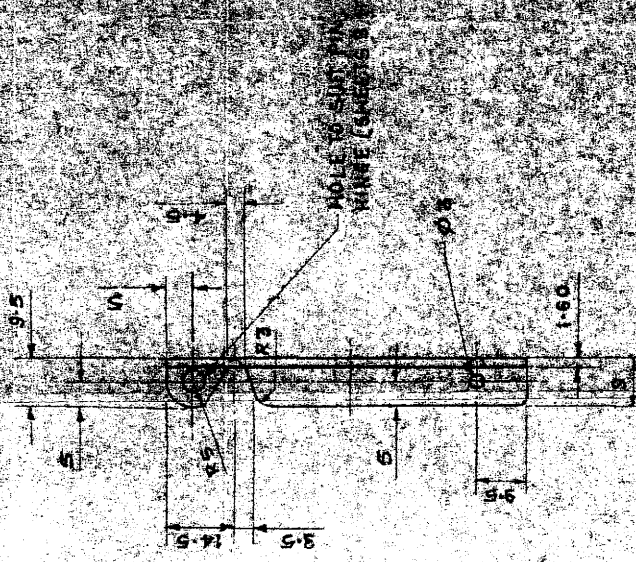
D.C.I. 19879-A

C/SK. HOLES FOR  
NO 8 WOOD SCREWS

Ø 5 FOR RIVET.



HRI



NOTE:  
TOLERANCES UNLESS OTHERWISE SPECIFIED  
TO BE AS PER IS: 1913  
PROVIDE THE FOLLOWING DIMENSIONS TO BE AS PER IS: 1913  
UNLESS OTHERWISE SPECIFIED

R/NO	DATE	AUTHORITY	REVISION	ZONE	AMSP	D.D	SKN
13-7-94	26-3-97C-A	REF. D.C.	SCANNED WITHOUT CHANGE				
14-7-94	DC 35750-A		MAIL L. SPEC. UP-DATED.				
24-2-94	DC 35672-A		ESTIMATED MASS ADDED				
17-11-93	DC 35622-A		DRG. FOR MASS ADDED. ESTIMATED MASS ADDED. (MATERIAL NOTE AMENDED AS PER MAIL L. SPEC.)				
6-6-92			RETRACTED WITHOUT CHANGE				
			PREVIOUS B.I. NO. 19879-A, 26870-A, 29158-A, 29474-A, 29750-A, 29886-A, 32525-A & 34161-A				

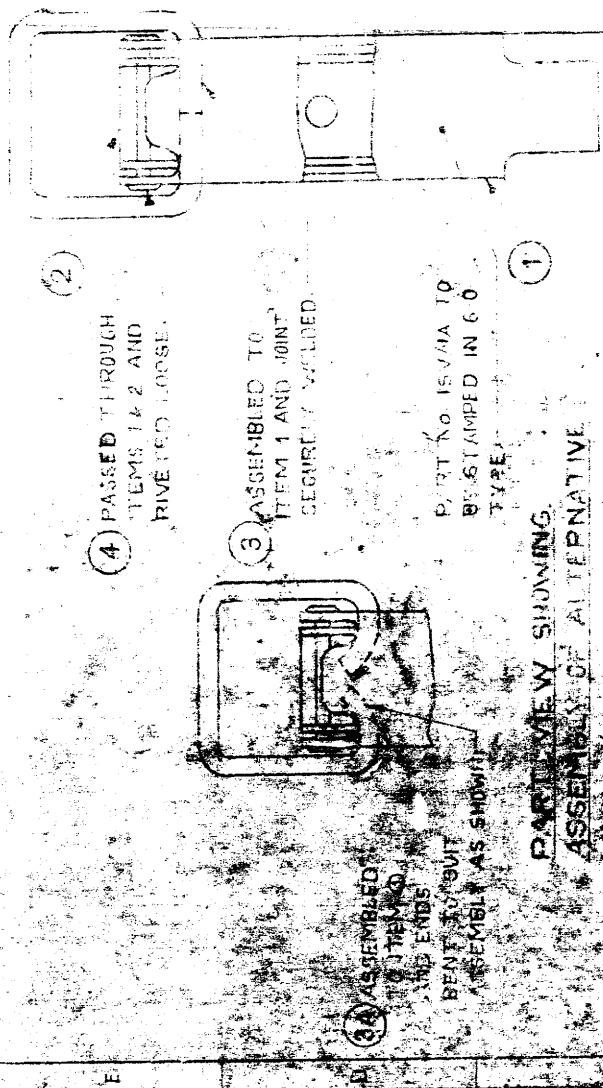
CHANNEL

DRG. SEALED :- 19-5-47

MASTER COPY



8  
**ISV 1A**  
 PART NO.  
 D.C. 19879-A  
 DIMENSIONS CONFORM TO IS SPECIFICATIONS  
 DIMENSIONS ARE IN MM  
 TOLERANCES ON UNTOLERANCED DIMENSION 0.05



ASSEMBLED TO THE BENT TO RIGID AND ENDS ASSEMBLY AS SHOWN

PART VIEW SHOWING ASSEMBLY OF ALTERNATIVE LINK

REV	DATE	AUTHORITY	REVISION	ZONE	APP'D
1987-94	DC 35750-A	TRININGER	DATA SPEC UPDATED		
1985-94	DC 34721-A		RETRACTED VOLT GEAR		
24-2-94	DC 35622-A		RETRACTED VOLT GEAR		
17-11-93	DC 35622-A		RETRACTED VOLT GEAR		
27-6-92			RETRACTED VOLT GEAR		
			REV DC No. 19879-A 20200-A 29475-A		
			DATA A 29731-A & 29886-A		

DRG SEALED 19 5 47

(19)  
 (23)

**SCHEDULE OF COMPONENTS**

ITEM No.	DESCRIPTION	SHEET No.	PART No.
1	W/OUT HEAD	9	ISV1/3
2	CHANNEL	9	ISV1/2
3	LINK	6	ISV1/3
	ORIGINATIVE LINK	6	ISV1/4
4	PIN HINGE STEEL WIRE 1.15 DIA 28% LONG TO 1.15 DIA 28% (AMENDMENT ONE) (REPLACED IN 1982) 1/4 HARD BRIGID FINISH		ISV1/5

TECH REQUIREMENTS - AS PER SPEC. NO 17-1165 (M)

REV	DATE	AUTHORITY	REVISION	ZONE	APP'D
			ISV 479A		
			ISV 101A		

DESIGNER'S REF: A/793  
 PART NO: ISV 1A  
 CAT NO: NOT APPL  
 APPR: GA(A)K

**CATCH**

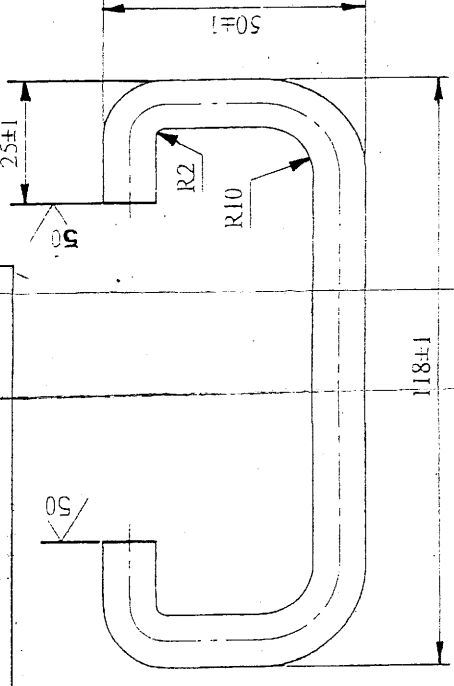
30

V(N)

PART NO. A52430-38

200510

100% 75 100% 100%  
 CERTIFIED CORRECT COPY OF  
 SEALET DRAWING AS ON  
**200510**  
 FOR CONTROL CHECK OF QUALITY  
 54  
 54



1. GROUP II-K20 OCT3-1686-90.  
 1. Гр. II-K20 OCT3-1686-90.  
 2. To BE MARKED ON IDENTIFICATION TAG.  
 2. Маркировать Ч на бирке.

COATING AS MENTIONED IN SPECIFICATION OR WITHOUT COATING

DESIGNATION / Обозначение	COATING / Покрyтyе
A52430-38	Покрyтyе при указании в спецификации или без покрытия ZINC 24. Ц24.Хр. CHROMIUM
-01	CADMIUM 24. ХР. CHROMIUM
-02	CHEMICAL PHOS. Хмм. Фос. ХР. CHROMIUM
-03	LESCQUER пррт. ЛакБФ-2(2) ВФ-2(2)

ROUND GOST  
 B-10 ГОСТ 2590-88  
 MATERIAL:  
 20-3ГП-ТО ГОСТ 1050-88  
 GOST

12/18 371AVA  
 18-04-07

DATE AUTHORITY ZONE

CAT NO. ADDED  
 SCANNED & PRINTED WITHOUT CHANGE

AMENDMENTS

DRAWN-  
SCANNED-  
DATE-

CHD-  
 CHD-  
 AHSP  
 FOR CQA(AVA)

ASSY DRG.-528T-412.C843-6  
 SCALE: 1:1  
 ESTD mass: 0.128 Kg

CQA(AVA), AVADI



DESIGN NO.

PART NO.

A52430-38

DS CAT NO  
 N1/5340-178806

HANDLE

DRG SEALED (PROV.)  
 DC No. :- 0051- AVA  
 DATE :- 18-09-09

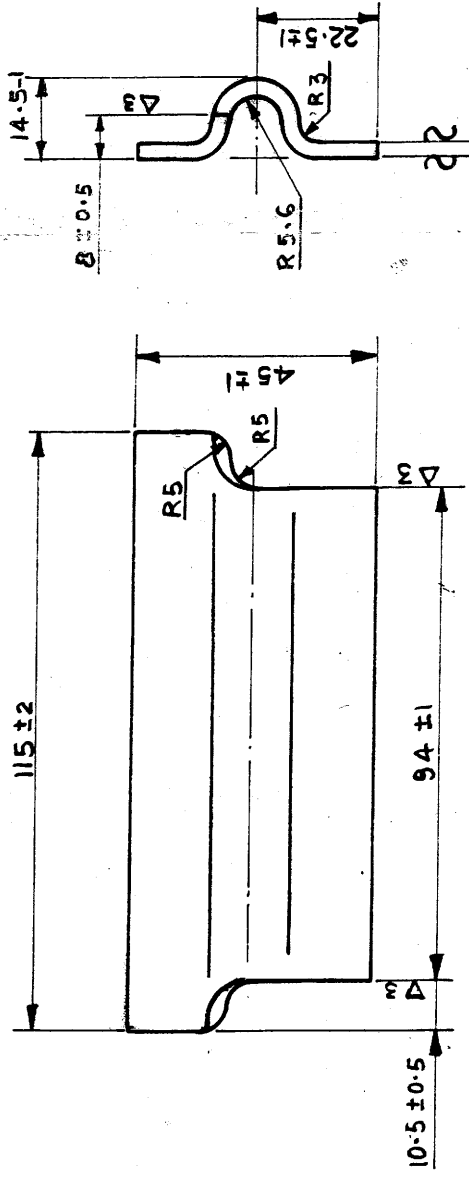
DO CQA(AVA)

PART No.

**A 52427-35**

ALTERNATIVE MATERIAL :- SHEET GRADE Fe 410 IS:1079-81  
 COATING :-  
 A 52427-35:- WITHOUT COATING  
 A 52427-35-01:- ZINC PLATING Fe Zn 24 TO IS:1573-70 CHROMATE PASSIVATION TO IS: 1340-73  
 A 52427-35-02:- CADIUM PLATING TO IS: 1572-66 CHROMATE PASSIVATION TO IS: 1340-73  
 A 52427-35-03:- PHOSPHATING TO IS: 0465-01, CLASS II FINISH B (P) BARNISH STAINING

1 (V) 21



PART No	COATING
A52427-35	COATING - IF GIVEN IN SPECIFICATIONS OR WITHOUT COATING.
A52427-35-01 DS CAT No. 5340-179576	Zn 24 Cr
A52427-35-02 DS CAT No. 5340-179577	Cd 24 Cr
A52427-35-03 DS CAT No. 5340-179578	CHEMICAL PHOSPHATING IMPREGNATED WITH, VARNISH 5φ-2 (2) PMD 1434-64.

MARK LETTERS "Y" AND "K" ON TAG.

गोपी गुरु गरी श्री  
 CERTIFIED COPY OF  
 SEAL  
 श्री साहस्र, गुणेश  
 श्री साहस्र, गुणेश  
 FOR CONTROLLER OF QUALITY  
 श्री साहस्र, गुणेश  
 ASSURANCE (VA) AVADI, HENNAI 54

11-01-11	0071-AVA	DS CAT Nos. ADDED
15-1-94	17851-W	ALT MATL & COATING NOTE ADDED
7-5-91	17068-W	PROV SEALING CANCELLED AND DRG SEALED.
22-4-85	16313-W	DRG SEALED PROV.
15-3-89		RETRACED WITHOUT CHANGE
DATE	AUTHORITY	ZONE
		NATURE
AMENDMENTS		
DRG SEALED: 17068-W		
7-5-91		

DRAWN:-	CHD:-	ASSY DRG:-
TRACED:- N SC	CHD:- YNS	DATE:- 21-6-84
G/D MAN	DO	SCALE:- 1:1
SIG AHSP	DO	ESTD MASS:- 0.36
SIG DO	DO	FOR CQA(W)
MATL - SHEET 5-01H-2.5 COST 19303-74		
PROT FINISH:-		

**CQA(W) JABALP**

DESIGN No.

PART No.

**A 52427-35**

DS CAT No.

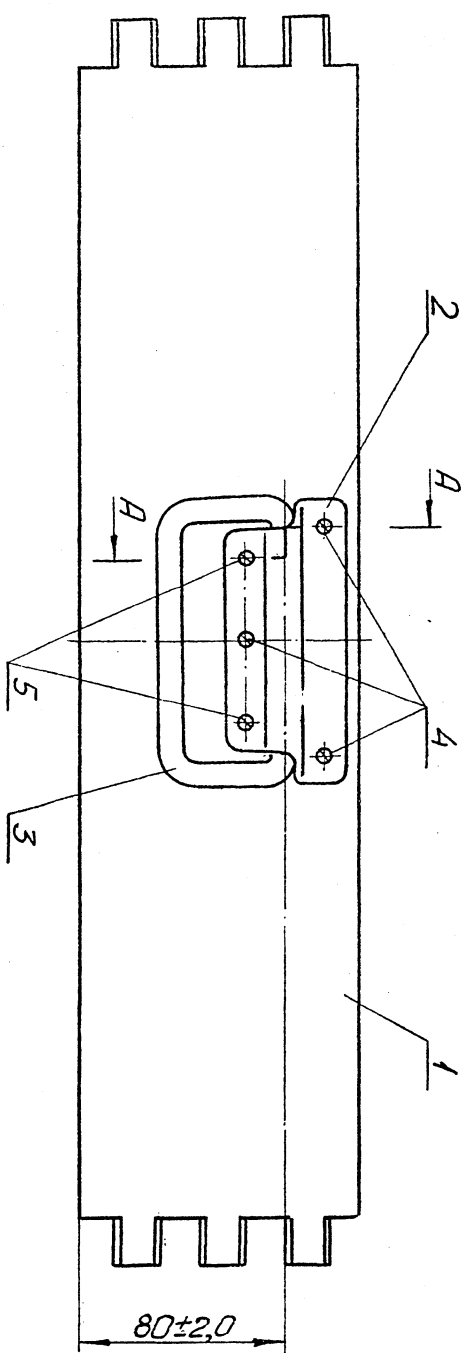
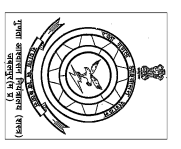
5340-17957

**EAR**

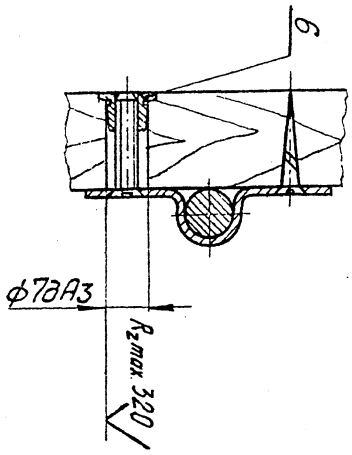
DO CQA (W)

PART No. 8  
**Q-902 A 070. CB**

7  
 DIMENSIONS ARE IN mm

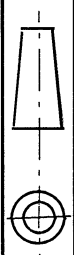


A-A  
 1:1



DIA 7a A3 MAY BE DRILLED IN PART 022

DRAWN:-		CHD:-	ASSY DRG:-
SCANNED:-		CHD:- O.P.S.	DATE:-
DATE: 4-04-05		AHSP	SCALE:- 1:2
AUTHORITY		DO	FOR COA(W)
ZONE		ESTD	mass:-
AMENDMENTS		MATERIAL:-	
SIG. AHSP		PROTECTIVE FINISH:-	
SIG. DO		DESIGN No.	
PREV DC Nos:-		COA(W), JABALPUR	



PART No.  
**Q-902 A 070. CB**

**WALL**  
**ASSEMBLY DRAWING**

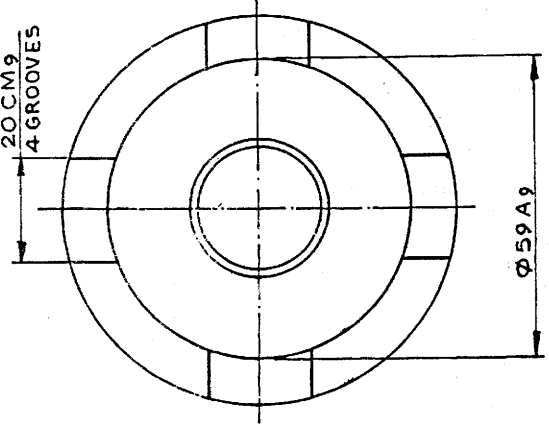
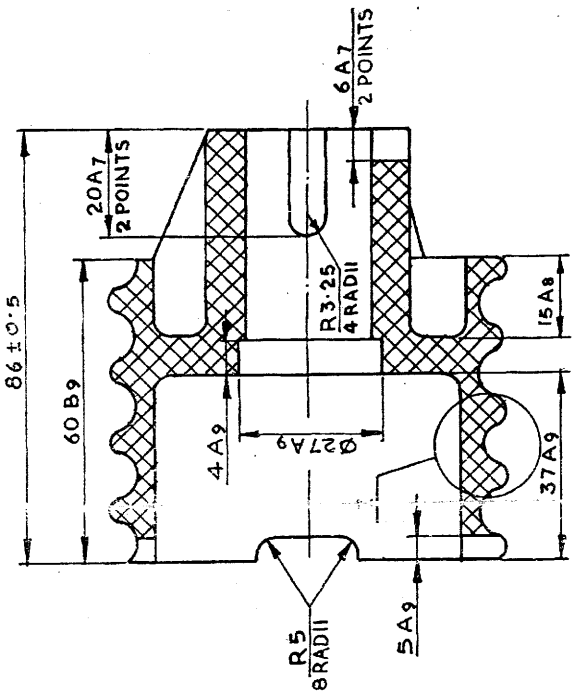
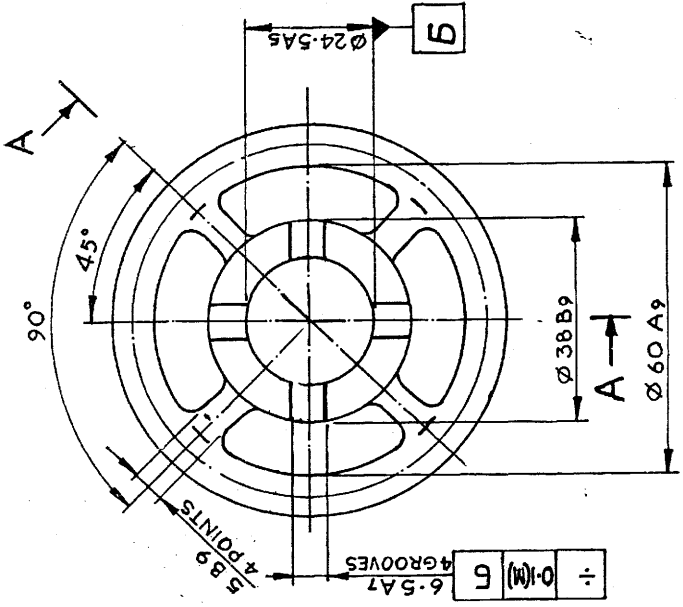
DRG SEALED:- 16360-W DT 3-9-85  
 PROV  
 DO COA(W)



21

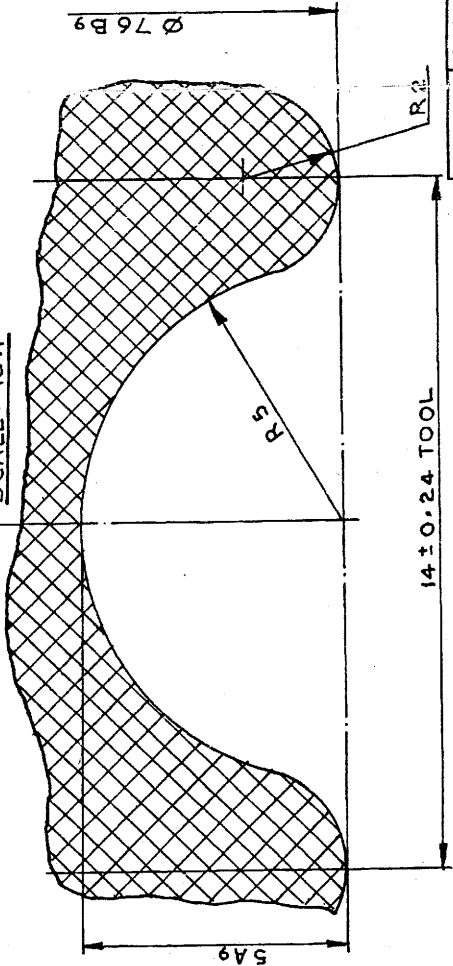
DS CAT No  
1015-004159

DIMENSIONS ARE IN mm.



I  
PROFILE OF SPIRAL

SCALE :- 10:1



1. ALTERNATE MATERIAL A CB-2-P-2 M OF GRADE O GOST 17478-72.
2. DRAFTS - 1:100.
3. UNSPECIFIED CASTING RADI R3
4. ROUGHNESS OF MOULDING SURFACES 1.25

ALTERNATE MATERIAL :-  
 BAKELITE HYLAM SHEET GD G-11 NEMALI-1-1977  
 TO JSS 9330-05:2012

MATERIAL :- POLYAMIDE PA6-210°C GRADE OST G-11-438-79.		A-2 74
CHIEF DESIGNER	ESTD MASS:-	
ASSY DRG:-	DATE:-	CQA (W) JABALPUR
D.O.	SCALE:- 1:1	
FOR CQA (W) DRN:-	DESIGN No.	PART No. 902.03.104
DRG SEALED PROF CHD:-	DC (I) No 16360-W	
DT-3-9-85	TRD:- R.K. Thakur	DS CAT No. 1015-004159
DOCQAM CHD	DOCQAM CHD	

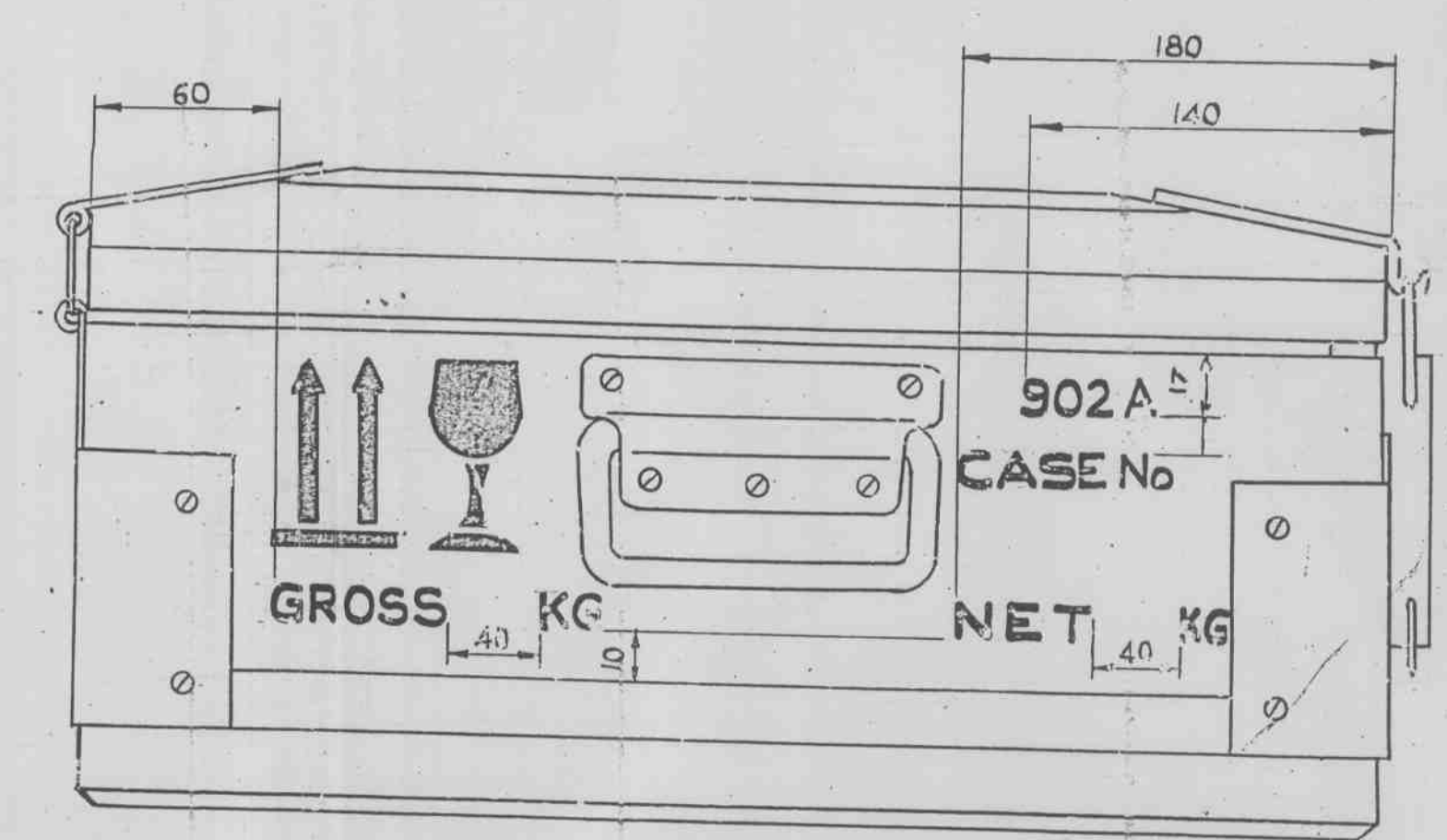
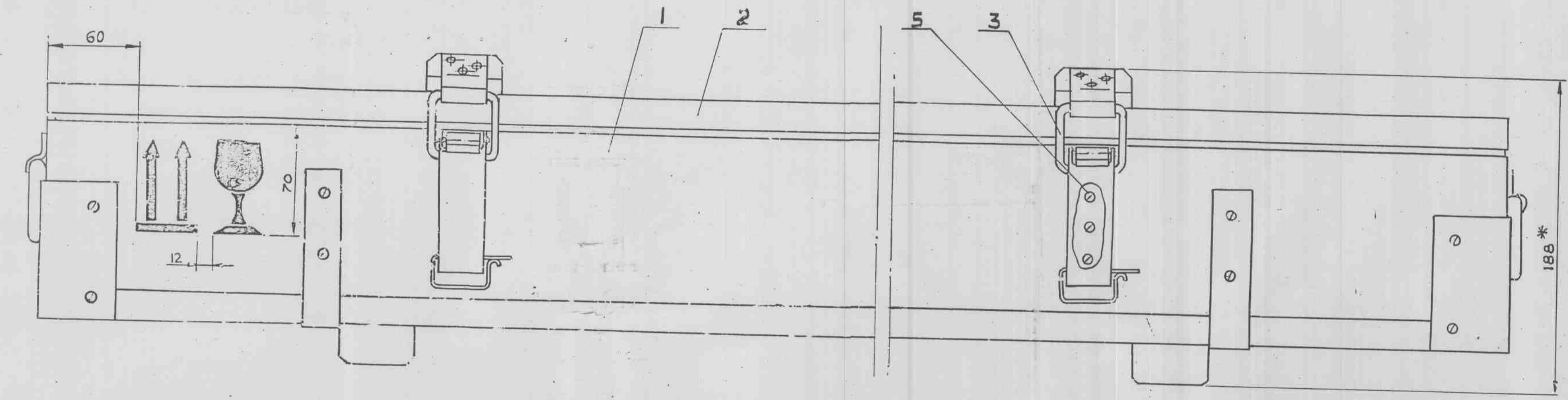
17793-13	ALTERNATE MATL	1054.0
8-11-93	ADDED.	c/b
20933	RE TRACED WITHOUT CHANGE	
1316	PREV DC (I) Nos- 16360-W & 17088-W/DT 4-7-91	

7-4-16	19495W	ALT MATL AMENDED
21-2-08	19113-W	HINDI NOMEN ADDED

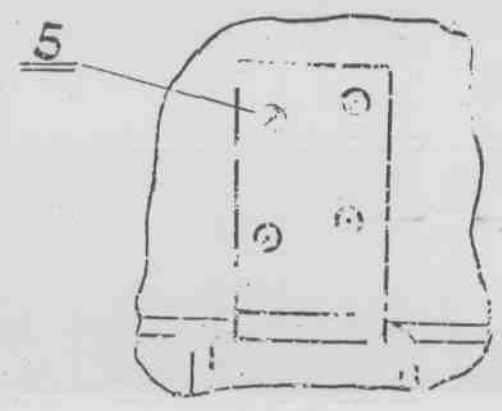
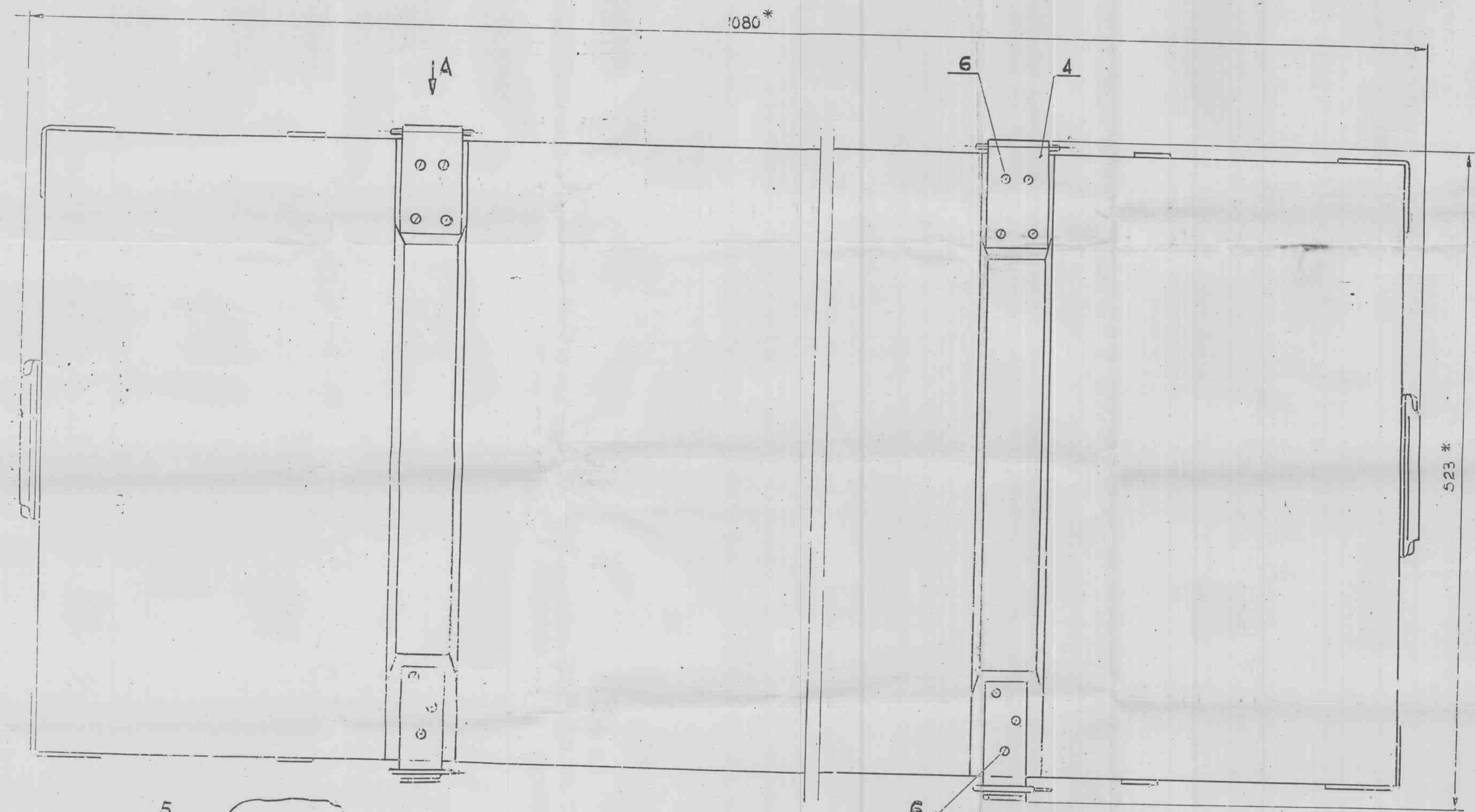
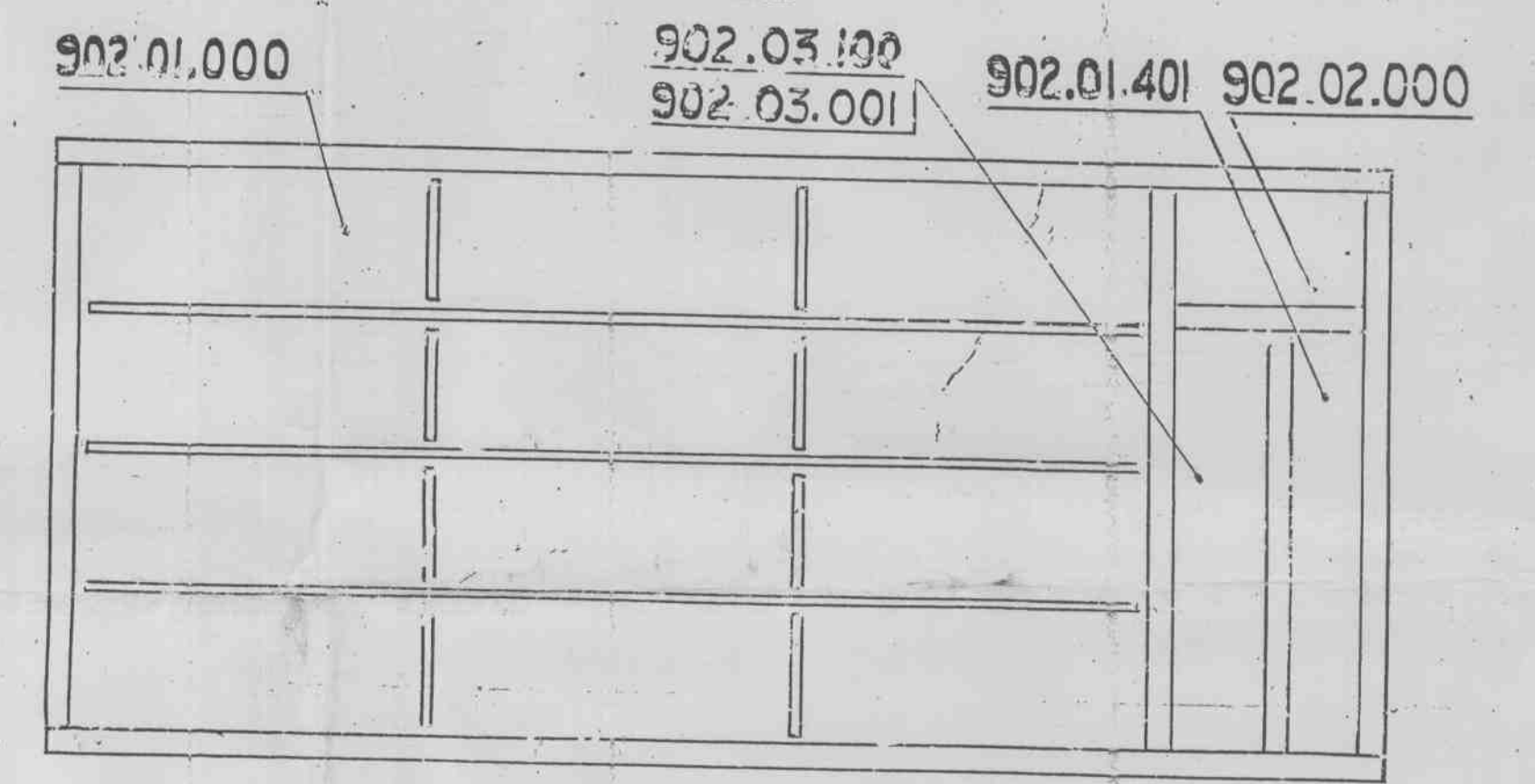
LEANING ROD BLOCK

1.61

PART No  
**902A 000C5**



**PACKING DIAGRAM**



**VIEW A**

**NOTES**

1. DIMENSIONS FOR REFERENCE.
2. CASE No IS TO BE MARKED TO CORRESPOND TO A CONTROL PANEL MEMBER 902.03.000 TO BE THE SYSTEM PACKED.
3. COATING OF EXTERNAL SURFACE, ALONG WITH RE-INFORCEMENT, USING GREEN ENAMEL T 6-1147, TY 6-10-136L-78, III X 2.
4. LEGENDS ARE TO BE STENCILLED WITH YELLOW ENAMEL XB-16, TY 6-10-1301-78, USING TYPE IS GOST 14192-77.
5. AFTER PACKING THE BOX TO BE SEALED THROUGH FASTENERS AS PER GOST 12677-73.
6. ASSEMBLIES 902.01.000 TO BE PUT IN BAG 902.03.000 TO BE PUT IN BAG 902.02.000 TO BE PUT IN BAG 902.01.401 AFTER THAT THE BAGS ARE TO BE WELDED.
7. USE OF CASES IS PERMITTED IN COMPLIANCE WITH 2140.010.001 FOR INTER PLANTS DELIVERY.
8. MULTIPPLICATION SIGNS GOST 14192-77 ARE TO BE MADE WITH DIMENSIONS CONFORMING TO GOST 14192-77 USING YELLOW ENAMEL XB-16, TY 6-10-1301-73.

8-4-89	RETRACED WITHOUT CHANGE	DRAWN	CHD	ISS DRG	GAW/AB/PUR
	REVISED No 046-W/D/12/88	TRACED - EVC	CHD	DATE	
	NATURE	SIG	SIG	SCALE 1:1.2	DESIGN No
	AMENDMENTS	DD	MSD		
DRG SCALED - PRV D/C/16495-W		MATERIAL		PART No	
3-4-12-86		PROTECTIVE FINISH		902A 000C5	
				DSCAT/12	

**CASE ASSEMBLY DRAWING**

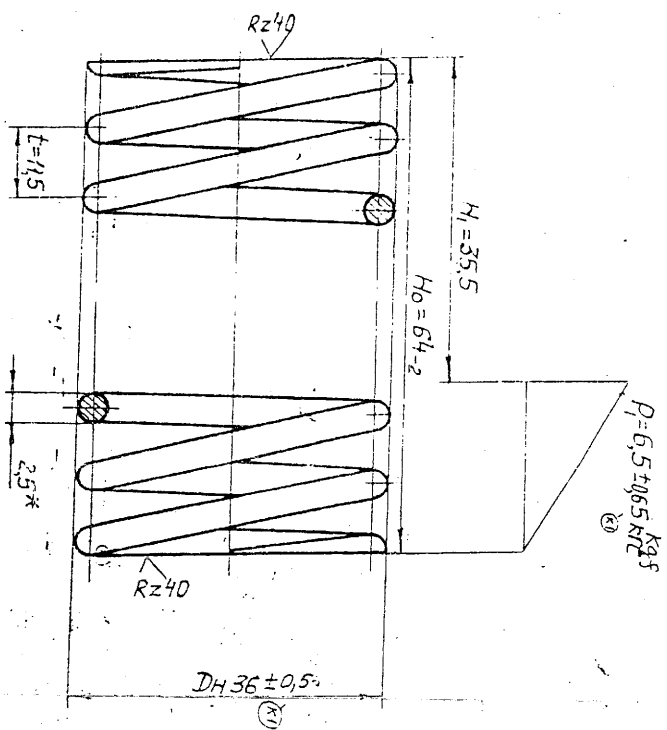




10140206

1-1/5

FIRST ANGLE PROJECTION



1. SHEAR MODULUS  $G = 8000 \frac{kg}{mm^2}$
2. HEAT TREATMENT : TEMPERING  $210^\circ - 240^\circ$ .
3. NUMBER OF COILS COMPLETE  $n_1 = 6.5$ .
4. NUMBER OF OPERATING COILS :  $n = 4.5$ .
5. SPRING WINDING - SOME OF WHATEVER KIND.
6. LENGTH OF STRAIGHTENED SPRING  $l = 858 \text{ mm}$ .
7. EDGE COILS SHOULD BE COMPRESSED GROUND TO  $3/4$  OF THE CIRCUMFERENCE OF BASE SURFACES.
9. SPRING GROUP I.
10. TECHNICAL CONDITIONS FOR MANUFACTURE, TEST & ACCEPTANCE OF SPRING OSP 3-2561-74.
11. COATING : CHEMICAL PHOSPHATING ACCELERATED CHROMATIZING VARNISH ON THE BASIS OF b - 4 WITH NIGROSENE (1) GOST 12172-74.
12. \* DIMENSION FOR REFERENCE.
13. TO BE MARKED AS PER HEAT - TREATMENT ON A TAG.
14. GROUND SECTIONS OF RING-SHAPED COILS SHOULD BE BLUNTED AS PER EXTERNAL DIAMETER OF SPRING.

ALT MATL :- SPRING WIRE Gde 4 TO IS:4454, PEI-81  
 OR  
 Gde 5 COND 'M' TO BS:5216-75

COATING :- (i) PHOSPHATING TO JSS:0465-dj, CLASS II  
 (ii) ADHESIVE WITH FOLLOWING REQTS:- SOLN, POLYVINYL

ACETOL AND RESOLPHENOL FORMALDEHYDE, RESIN IN ALCOHOL, SOLD CONTENTS 14 TO 16% VISCOSITY 3070 SEC, SHEAR STRENGTH MIN 200  $kgf/cm^2$  OR DUNLOP ADHESIVE S-758 OR ARALDITE AY 103 WITH HARDNER HY 951  
 (iii) NIGROSENE TO IS:1036

18142-W	ALT MATL & COATING
17-7-95	NOTE ADDED.
17098-W	P.S. CAT No. ADDED
4.1.91	
16360-W	DRG SEALED PROV
3-9-85	

ISSUE DATE	REFERENCE	MATERIAL	SHEET	MASS	SCALE
902.03.101		CLEANING ROD	10F1	0034	2:1
CHECKED	APPROVED	WIRE I-2.5			
		SPRING.			

DS CAT NO. 5360-003671

A-2  
71

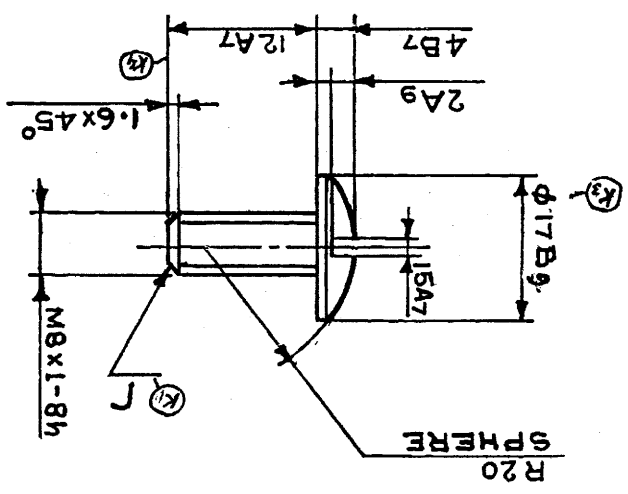
S Q A AND  
JABALPUR

7/101

mecha 18.01.77

5305-013199		SCREW		DS CAT NO.	
902-03-103		PART NO.		ASSY DRG:-	
DESIGN NO.		SCALE:-1:1		ESTD MASS:-0-007	
FOR CQA(W)		DO CQA(W)		DATE: 28-5-85	
AHSP		DRG SEALED PROV:-16360-W		DT 3-9-85	
DO		AMENDMENTS		DATE AUTHORITY ZONE	
CHIEF D/MAN		NATURE		DATE	
G.P. S. <i>[Signature]</i>		PREV DC NOS. 16360-W		19481-W	
TRACED:-SRS		R17088-W, DT 4-7-91		19113-W	
CHD:- <i>[Signature]</i>		RETRACED WITHOUT CHANGE		19113-W	
DRAWN:-		HINDI NOMEN ADDED		19481-W	
CQA(W) JABALPUR		INDIGS MATL ADDED		19481-W	

1. EDGES SHOULD BE BLUNTED TO R APPROXIMATELY 0.2 mm.
  2. COATING: CHEMICAL PHOSPHATING HASTENED CHROMATIZING.
  3. VARNISH B Φ-4 WITH NIGROSINE (1) GOST 12172-74.
  4. UNSPECIFIED DIMENSIONS OF RAD II: FILLET NOT MORE THAN 0.3 mm.
  5. ALTERNATE MATERIAL STEEL 25 GOST 1050-74.
  6. HEADING WITH SLOT IS ALLOWED.
  7. MANUFACTURING WITHOUT CHAMFER (1.6 X 45°) IS ALLOWED.
  8. K SHOULD BE MARKED ON TAG.
- INDIGENOUS MATL:- 19: 5517-1993 GRADE 30C8



RZ4.0

5305-013199

DIMNS ARE IN mm.

DS CAT NO.

1 2 3 4

30