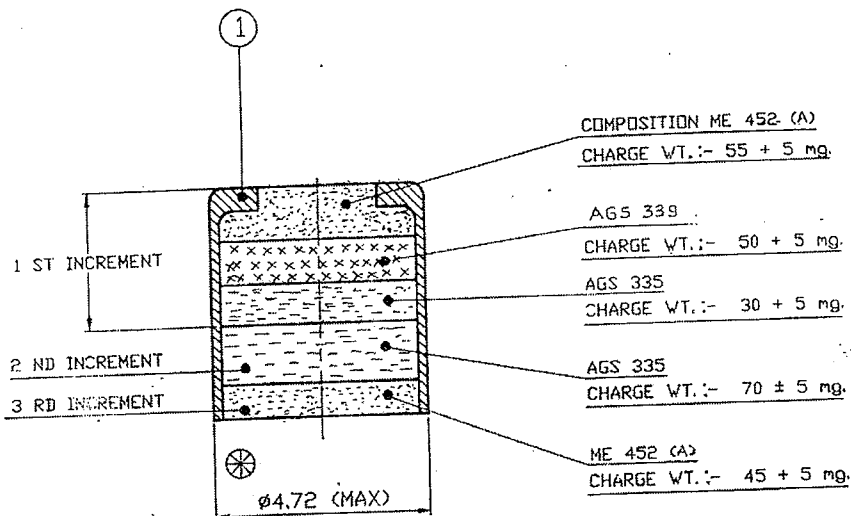


GEN.TOL.MEDIUM/COARSE/FINE CLASS TO IS:2102
DRAWING CONVENTION CONFORM TO INDIAN STD. DIMS IN mm UNLESS OTHERWISE STATED.

BASED ON HEMRL DRG.No. HEMRL DRG 1552.

COPY MADE BY: [Signature]
DATE: 14-05-2019

विनांक: 14-05-2019
Date: 14-05-2019



NOTES:

NOT ALLOWED

1) CRACKING OF DELAY CUP

2) EXCESS LAYER OF COMPOSITION ME - 452 (A) ON BOTTOM SIDE.

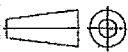
NOTES:

1) ALL INCREMENTS PRESSED AT 340 + 5 kg DEAD LOAD.

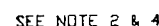
2) DWELL TIME - 10 Sec.

3) RH IN ALL FILLING SHOP :- 55 ± 5 %

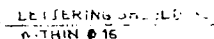
ITEM LIST			
ITEM	QUANTITY	DESCRIPTION	REFERENCE
1	1	DELAY CUP	9102 00 03 09 16 001 00DB
13-7-2000 COMPONENT DRG No. CHANGED			
R No.	DATE	AUTHORITY	BRIEF RECORD
DRN.	SABLE	CHD.	MATERIAL
APPD.	DATE: 15/6/98	PROTECTIVE FINISH	
SEALED	DATE:	TITLE:	
SCALE: 10:1	EST.MASS	DELAY CUP (FILLED)	
DESIGN	AUTHORITY		
ARDE			
DRG.No. 91012 010 013 019 116 000 000 DB			
PART No. DS CAT.No. AHSP			

ITEM LIST									
ITEM	QUANTITY	DESCRIPTION				REFERENCE			
1	1	CUP 100 mg LZ				9102 00 03 08 14 001 00EB			
2	1	DISC				9102 00 03 08 14 002 00LA			
1	13-7-2000	COMPONENT DRG No. OF Sr. No. 1				CHANGED			
R No.	DATE	AUTHORITY	BRIEF RECORD			ZONE	CD	GD	SIGN
DRN.	SABLE	CHD. 84/18	MATERIAL						
APPD.	DATE: 15/6/98	FDR DIRECTOR	PROTECTIVE FINISH						
SEALED DATE:									
SCALE: 10:1	EST. MASS:		TITLE:						
DESIGN AUTHORITY: ARDE			<u>DETONATOR 100 mg LZ</u>						
DRG. No.	9102	00	03	08	14	000	00	DB	
	IC	SS	S	NA	A	C		SST	
PART No.	DS CAT. No.				AHSP				

A-A



ELEVATION AND SIDEVIEW SHOWN WITHOUT TRANSIT CONTAINER



△ FILLED LOT NO. _____
⊕ MANUFACTURER'S MONOGRAM OF FILLING STATION _____
✕ DATE OF FILLING (MONTH & YEAR) _____

- 1) ALL FITTINGS TO BE SCREEN PRINTED IN BLACK COLOUR WITH AN TYPE ON THE COVER FUZE AS SHOWN.
- 2) APPLY ANAEROBIC ADHESIVE SEALANT ANR-124 BEFORE FITMENT ON ALL THREADS CARE TO BE TAKEN THAT SEALANT IS APPLIED ONLY ON THREADS & DOES NOT SPREAD ON AN OTHER PARTS OF FUZE OR OTHER FUZE COMPONENTS.
- 3) FIT UPPER & STRIKER SLEEVE ASSY TO BE TIGHTENED WITH A TORQUE OF 6 N.m.
- 4) EJECTOR HOLDER TO BE TIGHTENED WITH A TORQUE OF 15 N-m

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द्वारा दी गई है।
दिनांक: 14-05-2019
Date: 14-05-2019 for JNM/CCD

ITEM LIST		REFERENCE	
1	FUZE 1ST FOR 30 mm HE	9102 UC 03 CU GI 500 79DC	
1	GRENADE RUDRA (EMPTY ASSY.)		
1	CLUSTER HOUSING ASSY (FILLED)	9102 00 03 00 02 000 00DB	
1	DETONATOR A-30-T	CGA DRG No. 3076760.00	
5	2800	FORMAL VALUE 5, EXHIBIT 24, AND DRG No. OF	
1	2800	ITEM No. 012 & 3 SHOWN ON	
1	2800	DRG CORRECTLY	
1	2800	BRIFE RECORD	
1	2800	ZONE	
1	2800	CD	
1	2800	GO	
1	2800	SIGN	
1	2800	MATERIAL	
1	2800	PROTECTIVE FINISH	
1	2800	EST MASS	
1	2800	TITLE	
1	2800	FUZE I.S.D FOR 30 mm HE	
1	2800	GRENADE RUDRA (FILLED ASSY)	
1	2800	IC	
1	2800	CS	
1	2800	SA	
1	2800	A	
1	2800	C	
1	2800	SST	

1	2	3	4
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DRG No. 9102 00 03 02 07 00 1 00 DA

GEN. TOL. MEDIUM/GEARSE/FINE CLASS TO IS:2102

BASED ON HEMRL DRG. No. HEMRL DRG 1268

DRAWING CONVENTION CONFORM TO INDIAN STD. DIMNS IN mm UNLESS OTHERWISE STATED.

($\phi 2.9$)

COMPOSITION:- ME 452(A)

CHARGE WT.:- 60 - 5 mg.

COMPOSITION:- AGS - 339

CHARGE WT.:- 55 + 5 mg.

BOTH COMPOSITIONS PRESSED TOGETHER AT 240 + 5 Kg.

DWELL TIME:- 5 Sec.

REVERSE THE MOULD AND REPRESS THE PELLET AT SAME DEAD LOAD AND DWELL TIME.

NOTE:

RH IN THE FILLING SHOP:- 55 $\pm$ 5%

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हमारी मई है।

दिनांक: 14-05-2019

Date: 14-05-2019

R No.	DATE	AUTHORITY	BRIEF RECORD	ZONE	CD	GD
DRN.	SABLE	CHD.	MATERIAL		SIGN	
APPD, DATE: 15/6/98 FOR DIRECTOR			PROTECTIVE FINISH			
SEALED DATE:			TITLE:			
SCALE: 10:1		EST. MASS: 0.11g	IGNITION PELLET			
DESIGN AUTHORITY ARDE						

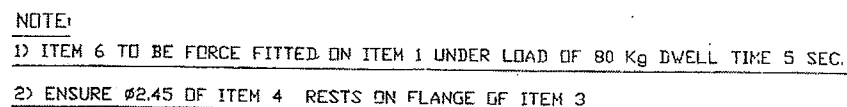
DRG. No. 9102 00 03 02 07 00 1 00 DA

IC SS S AA A C SST

PART No.	DS CAT No.	AHSP
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1	2	3	4
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द्वारा दी गई है (10)
दिनांक: न.का.प्र./सी.डी.डी
Date: 4-05-2019 JAW/ICDD



ITEM LIST									
ITEM	QUANTITY	DESCRIPTION				REFERENCE			
1	1	HOUSING SRD (FILLED)				9102 00 03 06 12 000 001B			
2	1	CUP II SRD				9102 00 03 00 01 004 00DA			
3	1	DETENT SRD				9102 00 03 00 01 006 00DB			
4	1	SPRING SRD				9102 00 03 00 01 007 00DA			
5	1	SPRING SEATING SRD				9102 00 03 00 01 008 00DA			
6	1	CUP I SRD				9102 00 03 00 01 009 00DA			
1	13-7-2020	COMPONENTS DRG. No. OF 5+ No 1 & 3 CHANGED				h j			
R. No.	DATE	AUTHORITY	BRIEF RECORD			ZONE		CD	GD
DRN.		CHD. ALB. B.	MATERIAL					SIGN	
SABLE									
APPD.									
DATE: 15/6/98		FOR DIRECTOR	PROTECTIVE FINISH						
SEALED DATE:									
SCALE: 10:1		EST. MASS:	TITLE:						
DESIGN AUTHORITY									
ARDE									
DRG. No.		91102	010	013	012	016	000	001B	
		IC	SS	S	AA	A	C	SST	
PART No.			DS CAT.No.			AHSP			

1	2	3	4
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ISS
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2016

GEN.TOL.MEDIUM/COURSE/FINE CLASS
TO IS:2102

DRAWING CONVENTION CONFORM TO INDIAN STD.
DIMNS IN mm UNLESS OTHERWISE STATED.

BASED ON HEMRL DRG. No. HEMRL DRG 1559

COMPOSITION:- AGS-306
CHARGE WT:- 30 + 5 mg

COMPOSITION:- ME452 (A)
CHARGE WT:- 30 + 5 mg

BOTH COMPOSITIONS PRESSED TOGETHER AT 340+5 Kg
DWELL TIME :- 5 Sec.

NOTE:
RH IN THE FILLING SHOP :- 55±5%

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दिनांक: 14-05-2019
Date : 14-05-2019 for JMM/CDD

R No.	DATE	AUTHORITY	BRIEF RECORD	ZONE	CD	GO
DRN.	SABLE	CHD. 15/6/98	MATERIAL		SIGN	
APPD, DATE: 15/6/98 FOR DIRECTOR			PROTECTIVE FINISH			
SEALED DATE:			TITLE:			
SCALE: 10:1	EST.MASS: 0.06 g		RELAY PELLET			
DESIGN AUTHORITY ARDE						

DRG.No. 91102 010 013 012 017 002 00DA

PART No.
DS CAT No.
AHSP

1	2	3	4
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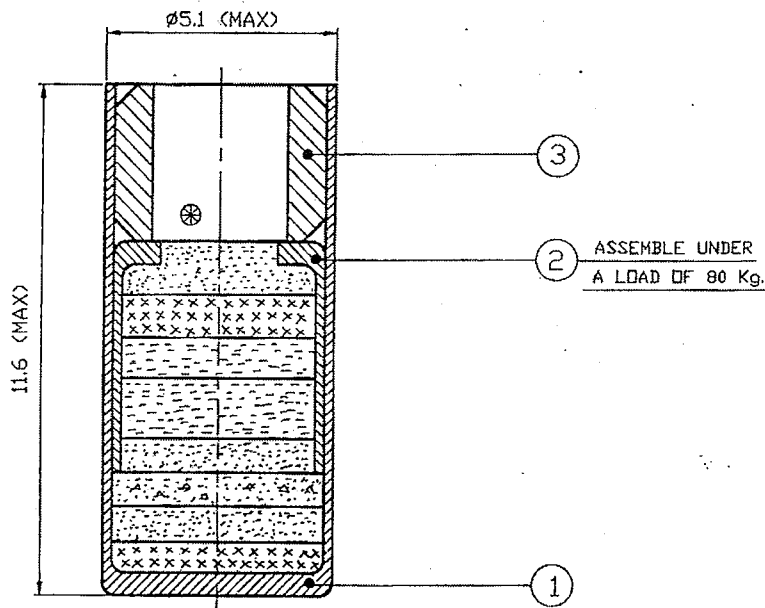
ITEM LIST																				
ITEM	QUANTITY	DESCRIPTION				REFERENCE														
1	1	CAP				COA (A) 34,400,041 KA-3-05784-02075														
R NO.	DATE	AUTHORITY	BRIEF RECORD			ZONE		CD	GD											
								SIGN												
DRN.	SABLE	CHD.	MATERIAL																	
APPD.	DATE: 15/6/98		PROTECTIVE FINISH																	
SEALED	DATE:																			
SCALE	101	EST.MASS	TITLE:																	
DESIGN	AUTHORITY		S.D. DETONATOR (FILLED)																	
ARDE																				
DRG.No.	9	1	0	2	0	0	3	0	9	1	9	0	0	0	0	0	1	0	1	A
	IC		SS		S		AA		A		E		SST							
PART No.			DS CAT.No.												AHSP					

ISS C V VV S SS DI
 8 0 0 0 0 0 0 6 2 0 3 0 0 0 2 0 1 6 DRG.No.

GEN.TOL.MEDIUM/COARSE/FINE CLASS TO IS:2102 DRAWING CONVENTION CONFORM TO INDIAN STD. DIMS IN mm UNLESS OTHERWISE STATED.

BASED ON HEHRI DRG.No. HEHRI DRG 1548.

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 दिनांक: 14-05-2019
 Date: 14-05-2019 for JMM/CCD

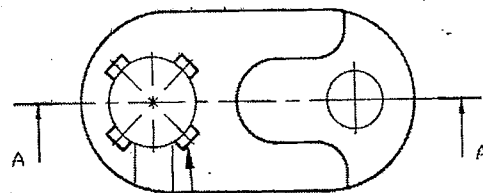
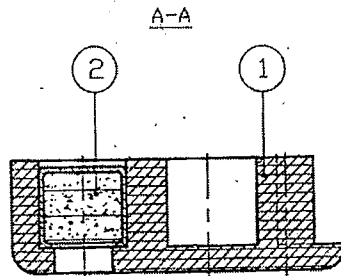


NOTES:
 NOT ALLOWED
 1) TEAR OF DELAY CUP
 2) CONTAMINATION OF $\otimes$ SURFACE OF DELAY CUP WITH FOREIGN MATERIALS NOT ALLOWED.
 RH IN THE ASSEMBLY SHOP - 55 $\pm$ 5 %

ITEM LIST			
ITEM	QUANTITY	DESCRIPTION	REFERENCE
1	1	S.D. DETONATOR (FILLED)	9102 00 03 09 15 000 00DA
2	1	DELAY CUP (FILLED)	9102 00 03 09 16 000 00DB
3	1	SLEEVE	9102 00 03 02 09 001 00DD
1 13-7,2000 COMPONENT DRG No. OF S.N. No. 243 CHANGED			
R. No.	DATE	AUTHORITY	BRIEF RECORD
DRN.	SABLE	CHD. <i>done</i>	MATERIAL
APPD.	DATE: 15/6/98	PROTECTIVE FINISH	
SEALED	DATE	TITLE	
SCALE: 10:1	EST.MASS	S.D. DELAY DETONATOR	
DESIGN	AUTHORITY		
ARDE			
DRG.No. 9102 010 013 012 019 000 000 DB			
PART No.		DS CAT.No.	AHSP

1	2	3	4	5	6	7	8
ISS	2	V	AA	S	SS	IC	DRG.No.
9102	00	03	00	01	012	00DA	
GEN.TOL.MEDIUM/GDARSE/FINE CLASS				DRAWING CONVENTION CONFORM TO INDIAN STD.			
TO IS/2102				DIMNS IN mm UNLESS OTHERWISE STATED.			

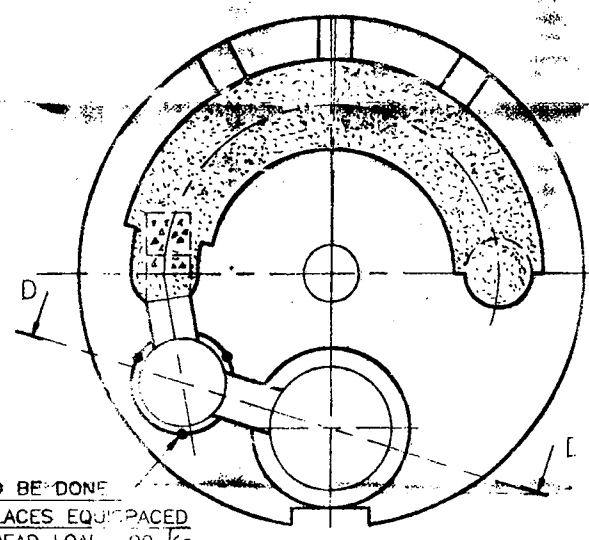
COPY ISSUED BY CDD/OPAS
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 दिनांक: 14-05-2019
 ज.का.प्र./सी.डी.डी.
 Date: 14-05-2019



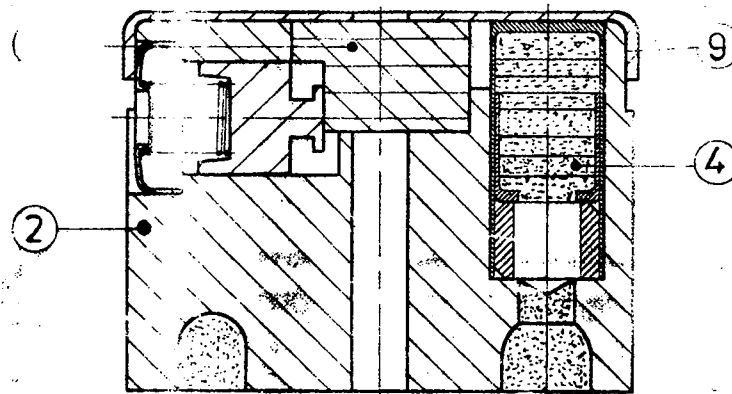
TO BE STABBED 0.5 DEEP
 AT FOUR PLACES EQUISPACED
 AS SHOWN AT DEAD LOAD OF
 275 Kg DWELL TIME 5 Sec.

ITEM LIST			
ITEM	QUANTITY	DESCRIPTION	REFERENCE
1	1	SHUTTER	9102 00 03 00 01 012 00DA
2	1	DETONATOR 100 mg LZ	9102 00 03 08 14 000 00DB
CHANGE OF DRG.No. of Sy.No.2			
R No.	DATE	AUTHORITY	BRIEF RECORD
DRN.	CHD 8/12/8	SABLE	MATERIAL
APPD.	DATE 15/6/98	PROTECTIVE FINISH	
SEALED	DATE	SCALE: 5:1	EST.MASS
DESIGN	AUTHORITY	ARDE	TITLE: SHUTTER (FILLED)
DRG.No. 9102 00 03 02 08 000 00DB		PART No.	
DS CAT.No.		AHSP	

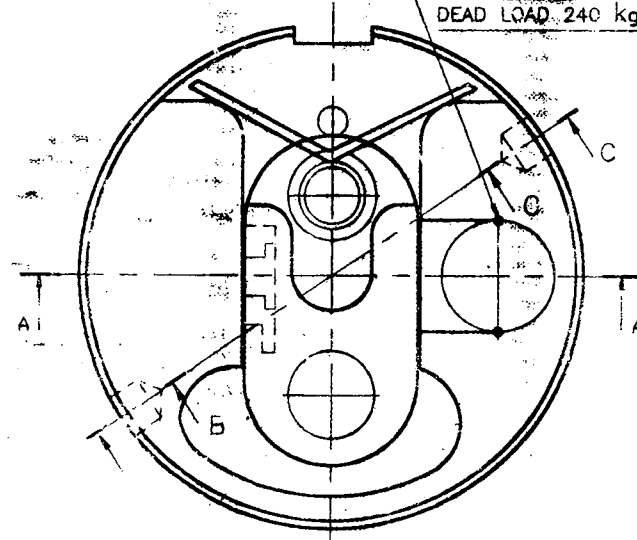
DRG No. 9102 00 03 02 06 000 0000
 GEN. TOL. MEDIUM/GROSS/FINE CLASS
 TOIS 2102
 DRAWING CONVENTION CONFORM TO INDIAN STDS
 DIM IN mm UNLESS OTHERWISE STATED



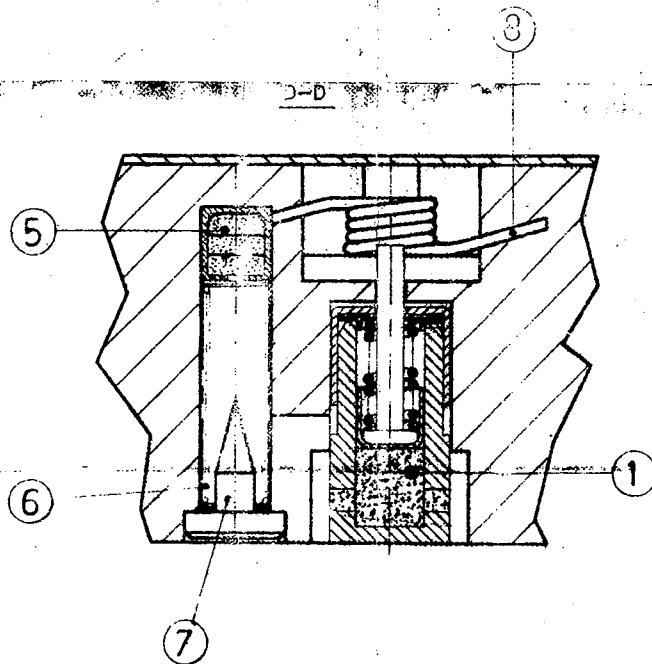
STABBING TO BE DONE
 AT THREE PLACES EQUIDISTANT
 AS SHOWN DEAD LOAD 400 kg
 DWELL TIME 5 Sec.



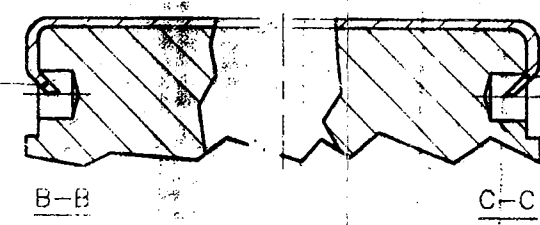
STABBING TO BE DONE AT TWO PLACES AS SHOWN
 DEAD LOAD 240 kg DWELL TIME 5 Sec.



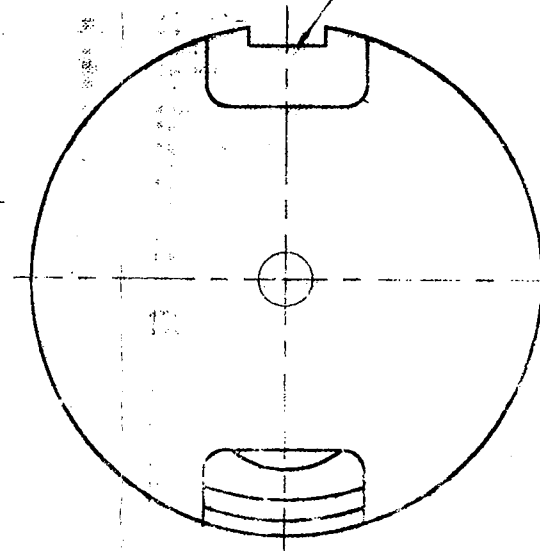
VIEW SHOWN WITHOUT COVER SHUTTER HOUSING.



TO BE STABBED AT 2-PLACES DEAD LOAD 40 kg DWELL TIME 5 Sec.



SLOT IN THE COVER & SLOT IN THE HOUSING TO BE ALIGNED
 AS SHOWN ON DRG. BEFORE STABBING.



VIEW FROM ARROW 'X' SHOWING
 COVER SHUTTER HOUSING POSITION

NOTE: ITEM 6 TO ITEM 9 ARE REPEATED COMPONENTS.

ITEM	QUANTITY	DESCRIPTION	REFERENCE
1	1	MYRD DELAY SHUTTER RELEASE ASSY (FILLED)	9102 00 03 02 06 000 0000
2	1	SHUTTER HOUSING FILLED WITH DELAY COMPOSITION	9102 00 03 02 07 000 0000
3	1	SHUTTER (FILLED)	9102 00 03 02 08 000 0000
4	1	SD DELAY DETONATOR	9102 00 03 02 09 000 0000
5	1	FULMINATING DETONATOR MG-8	QQA DRG. No. 6254 00 0000
6	1	SPRING I.D.	9102 00 03 00 01 000 0000
7	1	STRIKER I.D.	9102 00 03 00 01 011 0000
8	1	SHUTTER SPRING	9102 00 03 00 01 012 0000
9	1	COVER SHUTTER HOUSING	9102 00 03 00 01 014 0000

1 15/7/2000 COMPONENTS DRG No OF S- No. 3448 CHAN. PD

R No. DATE AUTHORITY BRIEF RECORD ZONE

DRN SABLE CHD MATERIAL

AFPD DATE 15/6/98 FOR DIRECTOR PROJECTIVE FINISH

SEALED DATE

SCALE 5:1 TEST MASS TITLE

DESIGN AUTHORITY ARDE

SHUTTER HOUSING ASSY (FILLED)

DRG No. 9102 00 03 02 06 000 0000

PART No. IC SS S AA A C

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 दिनांक: 14-05-2019 /सी डी डी
 Date: 14-05-2019 JWM/CDD

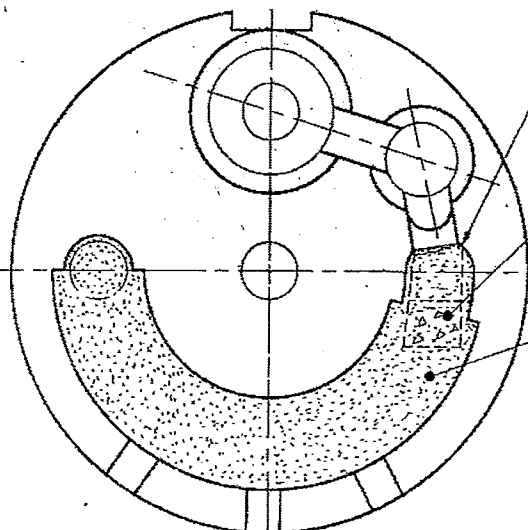
ISS 000 20 20 810 00 2016 DRG No. 9102

GEN. TOL. MEDIUM / COARSE / FINE CLASS TO IS: 2102 DRAWING CONVENTION CONFORM TO INDIAN STD. DIMNS IN mm UNLESS OTHERWISE STATED.

BASED ON HEMRL DRG. No. ERDL DRG 1272 / 2SHTS. / SHT.No.1

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दिनांक: 14-05-2019
Date: 14-05-2019

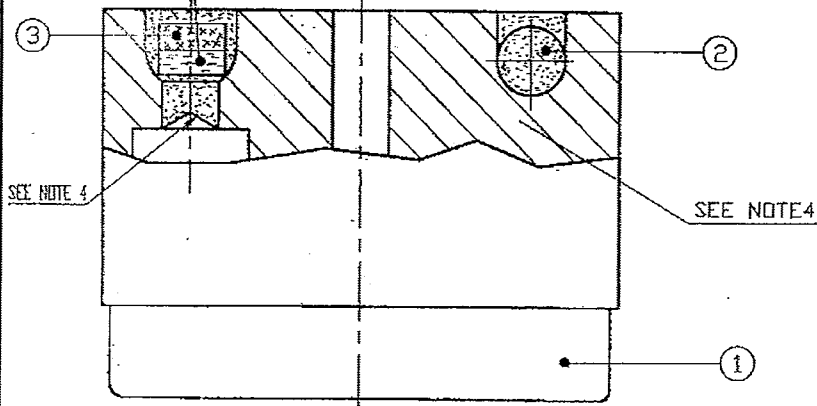


BEFORE FILLING INTRODUCE 15 + 5 mg.
COMPOSITION ME - 452 (A) IN THE
GAP BETWEEN IGNITION PELLET AND
GUIDE PIN III (ERDL DRG 1273/5)
(FOR OTHER DETAILS SEE NOTE 4)

WHILE POSITIONING OF IGNITION PELLET
COMPOSITION ME 452 (A) SHOULD FACE
TOWARDS THE GUIDE PIN III

COMPOSITION - AGS 306
CHARGE WT. - 720 ± 50 mg.
PRESSING LOAD - 1000 - 10 Kg.
DWELL TIME - 20 Sec.
SEE NOTE 1, 2 AND 3

WHILE POSITIONING OF RELAY PELLET
COMPOSITION ME-452 (A) SHOULD
FACE TOWARDS THE RELAY CHARGE



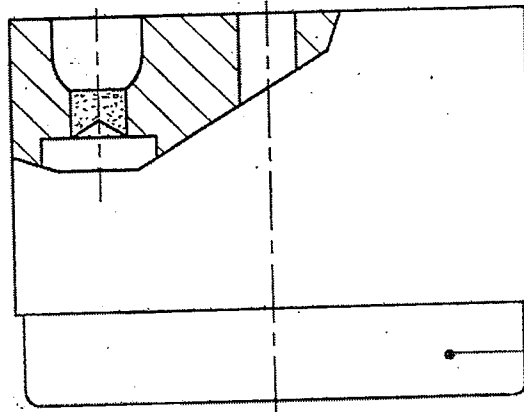
NOTES:

- 1) RH IN THE FILLING SHOP - 55 ± 5%
- 2) RUB EXCESS DELAY COMPOSITION IF ANY GENTLY ON ZERO
GRADE EMERY PAPER AND THEN ON A SOFT CAMBRIC CLOTH.
- 3) APPLY 3 COATS OF 5 % PERSPEX SOLUTION IN CHOLDROFORM
ON CIRCULAR DELAY COLUMN ONLY WITH 5 MINUTES INTERVALS
AND ALLOW TO DRY FOR 2 HRS AT ROOM TEMP.
- 4) APPLY THIN COAT OF APC 217 TO THE IGNITION END OF IGNITION
PELLET AND BOTTOM END OF RELAY CHARGE AND ALLOW TO DRY
FOR 1 HR. AT ROOM TEMP.

ITEM LIST					
ITEM	QUANTITY	DESCRIPTION	REFERENCE		
1	1	SHUTTER HOUSING FILLED WITH RELAY CHARGE	9102 00 03 07 13 000 00DB		
2	1	IGNITION PELLET	9102 00 03 02 07 001 00DA		
3	1	RELAY PELLET	9102 00 03 02 07 002 00DA		
1 1372600 COMPONENT'S DRG No. OF Sr. No. 1 CHANGED					
R No.	DATE	AUTHORITY	BRIEF RECORD	ZONE	CD GO SIGN
DRN.	SABLE	CHD. <i>gme</i>	MATERIAL:		
APPD.	DATE: 15/6/98	FOR INSPECTION	PROTECTIVE FINISH:		
SEALED	DATE:				
SCALE:	5:1	EST. MASS:	TITLE: SHUTTER HOUSING FILLED WITH DELAY COMPOSITION		
DESIGN	AUTHORITY	ARDE			
DRG. No. 9102 00 03 02 07 000 00DB					
PART No. IC SS S AA A C SST					
DS CAT. No.			AHSP		

DRG.No. 9102 00 03 01 05 000 000B
 GEN.TOL.MEDIUM/GARSE/FINE CLASS
 TO IS:2102
 DRAWING CONVENTION CONFORM TO INDIAN STD.
 DIMNS IN mm UNLESS OTHERWISE STATED.

BASED ON HEMRL DRG. No. ERDL DRG 1272 / 2 SHTS. / SHT. No.2



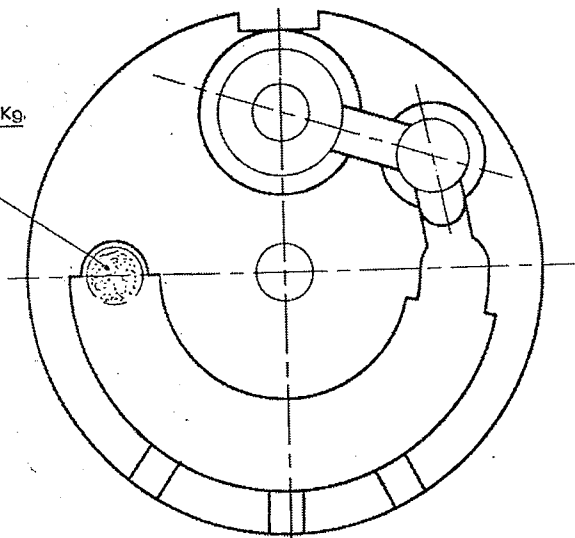
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 दिनांक: 10/05/2019
 Date: 10-05-2019 for JMM/CCD

NOTE:

RH IN THE FILLING SHOP - 55 ± 5%

COMPOSITION:- ME 452 A
 CHARGE WT.:- 45 ± 5 mg.
 PRESSING LOAD:- 110 ± 5 Kg.
 DWELL TIME:- 5 Sec.



ITEM LIST			
ITEM	QUANTITY	DESCRIPTION	REFERENCE
1	1	SHUTTER HOUSING AND CENTRIFUGAL BOLT ASSY.	9102 00 03 01 05 000 000B
1	13-7-2000	COMPONENTS DRG.No. CHANGED	
R No.	DATE	AUTHORITY	BRIEF RECORD
DRN.	SABLE	CHD. drn.	MATERIAL
APPD.	DATE: 15/6/98	for inspection	PROTECTIVE FINISH
SEALED DATE:	SCALE: 5:1	EST.MASS:	TITLE: SHUTTER HOUSING FILLED WITH RELAY CHARGE
DESIGN AUTHORITY ARDE			
DRG.No. 9102 00 03 01 05 000 000B		PART No.	
DS CAT.No.		AHSP	

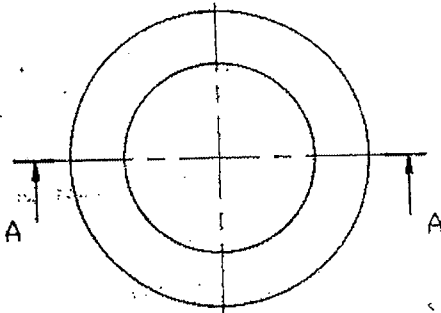
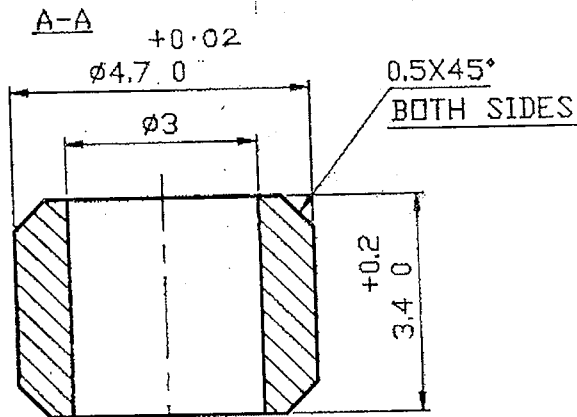
1 2 3 4

01010 100 610 210 610 010 2016 'ON'GRD

GEN.TOL.MEDIUM/COARSE/FINE CLASS TO IS:2102

DRAWING CONVENTION CONFORM TO INDIAN STD. DIMNS IN MM UNLESS OTHERWISE STATED.

BASED ON HEMRL DRG.No. HEMRL DRG.1548 DET. No.1



NOTE:-

DIMENSIONS APPLY AFTER ANODISING

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 द्वारा ही मई है।
 दिनांक: 01/01/2019
 Date: 14-05-2019 for JWW/CLD

SURFACE TEXTURE: $\sqrt{32}$ WHERE EVER NOT MENTIONED.

3	5-7-2000		ALTERNATIVE MATL. ADDED		
2	12-10-99		P.F. AND NOTE ADDED		
1	28-6-99	HEMRL/PYRO/ERD	FOR DIA 4-7-0-02 READ	A-2,3	
		1022-01/5 DT.24-6-99	DIA 4-7-0-02		
R No.	DATE	AUTHORITY	BRIEF RECORD	ZONE	CD GD SIGN
DRN.	SABLE	CHD. <i>[Signature]</i>	MATERIAL: ALUMINIUM ALLOY 64430 TO SPEC		
APPD.	DATE:	FOR DIRECTOR	IS : 7330RBS:1474 GRADE 2014 A		
SEALED	DATE:		PROTECTIVE FINISH:- TO BE ANODISED TO SPEC.		
			DEF 151-1966 TYPE 2		
SCALE:	10:1	EST.MASS	TITLE:		
DESIGN			SLEEVE		
AUTHORITY					
ARDE					
DRG.No.	91102	010	013	012	019
	IC	SS	S	AA	A
PART No.		DS CAT No.		AHSP	

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