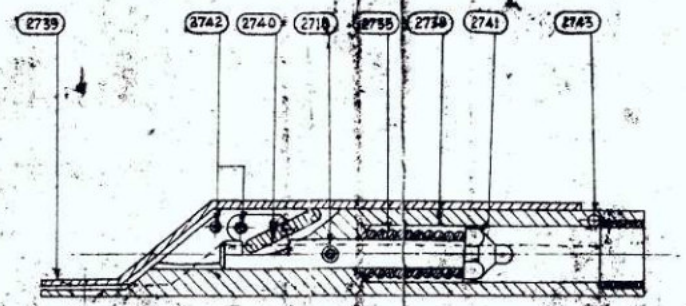
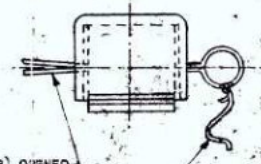
FOR EXPLANATION OF DIMENSIONING ETC., SEE 3 ANGLE PROJECTION. DIMENSIONS ARE IN m/m.



SWITCH DRAWN IN "COCKED" POSITION LID (2739) MUST SEAT DOWN ON BODY (2738) I.E. NO LOAD MUST COME ON PIN (2743)



SAFETY PIN (2718) OPENED SLIGHTLY TO OBVIATE LOSS NOT FAR ENOUGH TO CAUSE UNDUE TIGHTNESS.

WHIP CORD, 18·14 kg 457·2 LONG TIED TO PIN, TO BE TARRED.

FULL SIZE VIEW.

NOTE :- EXTERIOR TO BE FINISHED MATT KHAKI. IN INDIA, THE SWITCH WITH THE EXCEPTION OF SNOUT AND SAFETY PIN WITH BECKET IS TO BE PAINTED EXTERNALLY WITH PAINT, PREPARED FOR USE, AMMUNITION, AIR DRYING, BROWN, EIGHT, COLOUR Nº 410 (MATT FINISH) OR BROWN, MIDDLE, COLOUR Nº 411 (MATT FINISH) OF I.S. SPECN. Nº I.S. 5-1948 (FOURTH REVISION) AMENDMENT NO. 1.

"L" TO SPECN IS 168:1993 (THIRD REVISION) AS APPLICABLE FOR DEFENCE USE."

TO BE STAMPED OR STENCILLED ON IN 5·18 LETTERS.

SWITCH Nº 6.
MARK

* CONTRACTOR'S INITIALS OR RECOGNISED TRADE MARK.
\+ MONTH & YEAR OF MANUFACTURE.
△ LOT Nº

VIEW SHOWING MARKING.
SCALE : 1/1.

SWITCH, Nº 6, RELEASE, MK. 1 /L/

D.S. CAT. Nº 1375-000030

ASSLY. DRG :-
INSP INSTRS :-
SCALE :- 2/1 & 1/1

DRAWN	CHECKED	TRACED	TRN. CHK.

UNDER NOTE : EXTERIOR ... IS:5-1948 AMENDED/ADDED
NOW CONVERTED TO SI UNITS. A.C.I. 31548 28-7-75
DRGS NOS ADDED. D.C.I. 29093 18-8-83
ISSUED WITHOUT CHANGE. 1-4-87
PREVIOUS D.C.I.(L) NOS :- 20984-A, 20986-A, 21679-A, 24724-A, & E20599-A. SDI

NATURE OF AMENDMENTS	AUTHORITY	DATE	SHT.
DRAWN - 23-11-43			
MATERIALS :-			
PROTECTIVE FINISH :-			
ESTIMATED WEIGHTS :-			

DATE
PART NO.

DRG. Nº DD(L) 15270

TRACED AT C.I.A. KIRKEE | TRACED | CHECKED | DATE 20-6-47

5907.

PART No.	DIMENSIONS ARE IN m/m.

D.C.I. 16792-A.

FUZE DET. No.	DESCRIPTION	PART No.	No. PER FUZE.
	D.O.(L) 15270 ARRANGEMENT.		
2718	SAFETY PIN.		1
2735	STRIKER SPRING		1
2738	BODY		1
2739	LID		1
2740	SEAR		1
2741	STRIKER		1
2742	PIN (SEAR)		2
2743	PIN (LID)		1
2719 OR I.A.F.D.62	SNOUT, SWITCH, CAPPED, MK 1 OR SNOUT, SWITCH, CAPPED, MK 2 (ALTERNATIVE IN INDIA).	QX 105 AF 18X 2AF	1 1

R No.	DATE	AUTHORITY	REVISION	ZONE	AHSP SIGN.	D.O.
	9-6-88		RETRACED WITHOUT CHANGE.			SDI-
			PREVIOUS D.C.I.(L) Nos.:- 16792-A 20984-A 21959-A, 22338-A 22632-A & 23148-A.			

ORG. SEALED :- 23-11-43

DRN.	CHD.:-	TRD.:- KM / COMP.:-	ASSY. ORG.
C'D MAN	O/C. D.O.	SCALE	
APPD.		EST. MASS	
FOR CQA (A)		GAUGE SCHD	
		DATE:-	

MATERIAL:-

PROTECTIVE FINISH:-

DESIGNER'S REF.:- D.O.(L) 15270

PART No.

D.S. CAT No.

AHSP:- CQA(A) KIRKEE.

SWITCH, No. 6, RELEASE MK 1/L

13588

DC(I) 22679-A D.C 34749-A SPECIFICATION I.A. 899 H (x)(xx) etc (y)
last DC(I) 31983-A/3.6.16 36.10.89 (Based on specification L/9769)

THIS SPECIFICATION IS THE PROPERTY OF THE DIRECTOR GENERAL OF INSPECTION, AND MUST BE RETURNED TO THE CONTROLLER, CONTROLLERATE OF INSPECTION (AMMUNITION), KIRKEE ON DEMAND.

THIS SPECIFICATION, or any patterns, drawings, or other information issued in connection therewith, MAY ONLY BE USED for specific enquiries, tenders or orders placed by COMPETENT AUTHORITY. It is not to be used for any other purpose whatsoever WITHOUT THE SANCTION OF THE DIRECTOR GENERAL OF INSPECTION.

SWITCH, NO. 4, PULL, MK. 1 /L/
SWITCH, NO. 5, PRESSURE, MK. 1 /L/
SWITCH, NO. 6, RELEASE, MK. 1 /L/
SWITCH, NO. 15, PRESSURE, MK.1 AND MK.2/1/L/
ALSO COMPONENT SNOUTS, SWITCH, CAPPED.
(Obsolete in respect of Switch, No. 15, pressure Mk. 1.)

Specification to govern manufacture, filling and Inspection.

Approved 31 st August, 1950
Approved for INDIA 27th August, 1952.

SECTION I - GENERAL.

1 Requirements.

1.1 The components, materials, assembly, marking and completion of the store shall conform in all respects with the drawings quoted in the order governing supply, and with this specification.

1.2 Any question relating to the drawing or this specification should be referred to The Controller of Inspection (Ammunition), Kirkee, or other Inspecting Officer duly authorised to act on behalf of him (hereinafter called the Inspecting Officer).

1.3 Any sample lent to the manufacturer shall be used only as a general guide to workmanship and finish, not as a guide to dimensioning or detail.

1.4 Neither the completed store nor any component part shall be altered or rectified in any way not provided for in the drawing or specification without the authority of the Inspecting Officer.

2. Subsidiary Specifications.

2.1 Where references are made in this specification or on the drawings, to standard or British standard specifications for materials, gauge sizes, sieve numbers or the like, the latest issue of the appropriate specification by the British Standard Institution shall apply.

2.2. Where practicable, metals are specified under the appropriate references of the Service Schedule issued for the Service Departments by the British Standards Institution.

2.3 Materials for which standard specifications are not quoted, are covered by separate service specifications and these materials shall be supplied by the manufacturer in accordance with the appropriate specifications which will be provided as necessary.

/British Copies of/Standard specifications are obtainable from the Indian Standards Institution, Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi - 1.

Copies of Service and D.T.D. specifications may be obtained on application to the Controller of Inspection (Ammunition) Kirkee, or the relevant establishment.

3. Arrangements for Inspection.

3.1 The manufacturer shall notify the Inspecting Officer when he is in a position to start work and shall inform him of all sub-orders placed in connection with his order.

3.2 The Inspecting Officer shall have access at all reasonable times to all departments of manufacturing plant which are concerned with the production and storage of materials or components under the order at the works either of the ~~xx~~ manufacturer or of his sub-manufacturers and shall arrange for Inspection to be carried out by his representative as he considers necessary.

4. Inspection of Materials.

4.1 Before proceeding to manufacture, all materials shall be submitted to the Inspecting Officer in batches. Each batch shall comprise a quantity of material prepared under uniform conditions in respect to composition and manufacturing processes.

/into 4.2 The manufacturer shall not take/use any material or components until it has been accepted for its purpose by the Inspecting Officer who may require the bulk of the material or components to be sealed or bonded until result of test or analysis of samples are available.

4.3 Use of optional Alternatives.

Where the drawing or specification permits a choice of alternative materials or forms for particular components, the manufacturer is required to notify, in writing to the Inspecting Officer which of the permitted alternatives he chooses to produce. If the choice of alternative is changed during the course of the order, the manufacturer shall again notify the Inspecting Officer of such change.

5. Samples for Testing.

5.1 The manufacturer shall supply and prepare, free of charge the material or components required by the Inspecting Officer for testing purposes and shall also provide the necessary facilities and apparatus which may be required for carrying out the tests called for by the drawing or by this specification.

5.2 Test pieces or samples will inveriably be selected by the Inspecting Officer and will remain the property of the Government.

6. Submission and Inspection.

6.1 The manufacturer is expected to submit for inspection only satisfactory materials and he shall be required to assume full responsibility for any material submitted which is found to be unsatisfactory.

6.2 If examination of a proportion of a batch of material or components reveals an unacceptable standard of quality the whole batch will be rejected. At the discretion of the Inspecting Cfficer, the manufacturer may be permitted to resubmit the batch after he has re-examined the whole, and has eliminated those parts which are defective.

6.3 Formal acceptance of material or components by the Inspecting Cfficer shall not relieve the manufacturer of his responsibility for any parts which may subsequently prove to be defective.

7. Manufacturer's Identification Marks

Any monogram or symbol used by the manufacturer for marking the store shall be subject to the approval of the Inspecting Officer and shall not be changed without his approval.

8. Safety

Nothing in this specification shall relieve the manufacturer of his responsibility for the safety of his operations.

SECTION II - COMPONENTS AND MATERIALS

1. Components

The switch shall consist of the components and sub-assemblies as detailed in the relevant drawing which will be issued to the manufacturer. Some or all of the components or sub-assemblies may be supplied by the Purchasing Department. If supplied by the manufacturer they shall be as specified in the schedule.

2. Materials.

2.1 The material specifications for brass, steel for the various components are quoted on the relevant drawings.

2.2 Pen steel for the spring snouts is to be of good commercial quality; alternatively, spring snouts may be made from carbon spring steel strip conforming to specification BS 1449 En 42 G or En 42 J.

2.3 The brass for the anvil is to conform to specification BS/STA7/CZ 7 or BS 265. The hardness of the finished anvil is to be not less than 145 HV.

2.4 The material for the cap shell is to be fully annealed cap copper alloy strip conforming to specification /DEF-STAN 95-10/Issue 1 (x) The hardness of the strip after final sizing shall be not less than 70 HV and not more than 90 HV when tested in accordance with P.S. 427. Caps made from this strip are to be finally annealed at a suitable temperature to give hardness of 55-75 HV at the centre of the dome.

2.5 The lead tin /for the cap discs is to conform to /foil LX 1/1 complying with the relevant requirements of services schedule STA 7.

2.6 The rubber for the sleeve is to be Vulcanised Natural Rubber, for use in ammunition, Class 'A'. This material and also the varnish shellac 30% ammunition for varnishing the lead tin foil or paper white fine discs and varnish shellac, 20% ammunition for varnishing the internal surface of the cap shells after charging and discing, initiatory composition mixture E1 or A1 for cap filling, composition sealing R.D. 1229 for coating the annulus of the cap, paints, shellac and other related materials required, must conform to the relevant current approved specifications and shall be inspected and approved by the Director FRDL Pashan, PUNE.

2.7 The whip Cord for Safety Pin will be tarred and must have a breaking strength of not less than 178 N and conform to currect approved IND/ME Specn.

SECTION III - TREATMENT AND TESTS

1 Rustproofing.

Where required by the drawings, certain steel components shall be treated by plating, bronzing and lacquering. The finish required for any component as stated on the drawing will be strictly adhered to.

Relevant plating specifications which will govern the plating processes are as under., and must be complied with. Departures from the processes stipulated in these specifications are permissible subject to the prior approval of the Inspecting Officer.

Cadmium plating	.. ..	Specn. DTD 904
Zinc plating	.. ..	Specn. DTD 903
Electro-deposited Tin coating	.. ..	Specn. DTD 924
Nickel plating	.. ..	Specn. DTD 105
Passivation	.. ..	Specn. DEF 130

Copper plating shall be done in accordance with the appropriate details obtainable on application to the Controller of Inspection (Ammunition) Kirkee.

2. Any component whose treated surface is not to the satisfaction of the Inspecting Officer will be rejected.

3. The Inspecting Officer will arrange for selected components to be subjected to tests which will ensure that the rustproofing treatment, i.e. plating, is of a satisfactory standard. Failure to satisfy these tests will entail the whole of the batch concerned being retreated.

The tests are as under :-

(a) For plated components

The plating must be subjected to the tests laid down in the relevant plating process specifications as detailed in para 1 above, and must pass the acceptance standard laid down.

(b) For all components other than those cadmium plated

The components will be suspended in genuine sea water or the following standard solution for 24 hours. Immediately on removal they will be wiped with chamois leather and the surface must be free from rust.

Standard solution

Calcium sulphate	... 1.5 g, per litre of water
Magnesium Chloride	... 3 g, per litre of water,
Magnesium Sulphate	... 2 g, per litre of water,
Sodium Chloride	... 25 g, per litre of water.

4. The Inspecting Officer may select samples of components for analysis, tests or gauging at his discretion, either in the production line or after assembly. This will include the testing of striker springs.

5. The Inspecting Officer will subject all switches to a functioning test without a snout, switch, capped being fitted.

6. The switches shall function correctly within the prescribed load. The prescribed loads are :-

Switch No. 4	... 36 N ±9N tension
Switch No. 5	... 267 N ± 45N load on the extension rod.
Switch No. 6	... Must not operate with a load of 15.5 N. applied above the safety pin hole.
Switch No. 15	... Mk. 1 more than 22 N load applied on the release pin plate.
	Mk. 1/1 134N ± 22N. load applied on the release pin plate.

SECTION IV - MANUFACTURE

1. All components must be manufactured strictly in accordance with the form and dimensions and from the materials shown on the appropriate drawings.

2. The cap shells for the percussion caps are to be solid drawn from cap copper alloy strips. They are to be circular, fit tightly in the cap chamber so that there is no blow back when the switch is fired, and are to be clean, free from scale, laminations and other surface defects.

2.1 After forming, the cap shells are to be thoroughly cleaned by dipping in hot soda or acid baths, washed in fresh running water until free from acid or alkali and then dried in hot sawdust.

2.2 Each cap shell is to be charged with 0.032 ± 0.003 g of intiatory composition Mixture E1. The composition must be well mixed and evenly distributed and is to be pressed with the pressure laid down in the drawing, any loose composition being afterwards removed.

2.3 The lead tinfoil disc or paper white fine discs previously varnished on both sides with varnish shellac 30^{d} ammunition and dried, is then inserted and pressed separately on to the pressed composition or pressed in one operation together with the composition.

2.4 After charging and discing, the internal surface of the cap is to be varnished with varnish shellac 20^{d} ammunition in such a manner that the outer surface and the edge of the disc is completely covered with varnish so as to form an effective waterproof seal for the composition.

2.5 After varnishing, the caps are to be thoroughly dried at a temperature of not less than 310 K and not more than 320 K for 24 hours.

2.6 The percussion caps should preferably be newly manufactured and the fulminate of mercury must not be more than twelve months old at the time of filling the caps. The caps must be assembled into the snouts within twelve months of filling and the switches must be delivered within eighteen months of filling the caps.

2.7 A number of filled caps (minimum 30) will be selected from each lot and tested for sensitivity with a blow of 0.226J transmitted to a free striker, weighing 2.3g resting centrally on the cap, the blow to be given by a hardened steel ball, weighing 56.7 g falling freely from a height of 406.4 mm. The nose of the striker is to be of hemispherical shape of 1.02 mm to 1.27 mm radius.

2.7.1 Alternatively, any other suitable method approved by the Inspecting Officer may be employed for testing the sensitivity of the caps.

2.7.2 One hundred per cent of the caps tested must fire satisfactorily under these conditions. Should a failure occur at first proof, a second proof will be taken, and should a failure occur at second proof, or more than one at first proof, the caps may, at the discretion of the Inspecting Officer, be rejected.

2.7.3 The caps (minimum 6) shall also be tested to ensure that, when assembled in the switch snouts and fired, they are capable of igniting fuze, safety No. 11 Mk. 2 attached to the snout. (W)

2.8 The manufacturer must take steps to ensure that :-

(i) The empty caps and packing materials are free from all traces of damp.

(ii) They are stored in a dry room in which the atmospheric condition is regulated.

(iii) The least differences between the wet and the dry bulb thermometers are as shown below :-

Temp.	Temp. difference
283.15 K	1.67 K
288.75 K	2.2 K
294.25 K	2.8 K
299.85 K	3.9 K
305.35 K	3.9 K
310.95 K	5.55 K

(iv) They are kept under similar atmospheric conditions during the whole of the filling operation.

(v) In the event of the caps and packing material being stored in a building some distance away from the filling room, the store must be conveyed to the cap filling room in airtight containers.

SECTION V - ASSEMBLY

1 The spring snout, percussion cap and adapter together form a separate sub-assembly. The spring snout will be secured to the adapter by the crimping ring. The anvil is to be pressed into the percussion cap and the cap together with the anvil is to be pressed into the cap chamber in the adapter. After insertion of the cap, the edges of the adapter are to be burred over on to the cap. The annulus of the cap is then to be coated with composition sealing RD. 1229, so applied as to seal the junction of the cap and cap chamber, leaving the centre of the cap uncoated.

2. The remainder of the parts will be assembled in the cocked position, as shown on the drawing, the safety pin being inserted.

3. The switch shall be painted as indicated on the drawing.

SECTION VI -LOTTING, MARKING AND PACKING

(y)

1. Lotting

Plus the quantity required for empty & filled proof,

1,000 switches, ~~plus 3 for filled proof~~, with snouts switch, capped will form one lot. The first lot will comprise 1000 switches ~~* plus 15 for filled proof.~~ When snouts, switch, capped are made as a separate order, the number per lot may, at the discretion of the Inspecting Officer, be increased to approximately 10,000 and the proof sample will be 0.2 per cent of each lot. (y)

2. Marking

* Plus the qty. required for empty & filled proof.

The switches will all be marked as shown on the drawing.

3. Packing

Switches will be packed in the approved packages.

Snouts, switch, capped may sometimes be required to be packed separately from the rest of the switch.

SECTION VII - PROOF

~~1. No empty proof of switches will be required.~~ (y)

1. Samples for empty and filled proof will be selected and proved ~~fired~~ as indicated in the appropriate current approved proof schedules.

2. When snouts, switch, capped are made as a separate order, the proof sample will be 0.2 per cent. of each lot for proof in filled switches.

SECTION VIII-REPLACEMENT BY MANUFACTURER

1. Where finished or partly finished switches or components thereof are expended or damaged in proof, reproof, test, retest or examination as stipulated in this specification or elsewhere as a condition of acceptance, the Manufacturer supplying the switche or components thereof, will be required, free of charge, to supply, replace or repair, the number so expended (except where it is laid down in this specification that extra proof will be paid for by the Government) which, whether fired or otherwise tested, become the property of the Government.

Sd/- x x A J DAWSON
for CHIEF SUPDT OF DEVELOPMENT (AMMN)
for DIRECTOR OF TECHNICAL DEVELOPMENT

Notes :-

(i) This specification is to be returned to the Controller of Inspection (Ammunition) Kirkee immediately on submission of tender or completion of order.

(ii) This specification only holds good for the particular order for which it was issued.

Correct copy of the sealed specification at this date.

(M C Vijayakumaran)
J.T.O

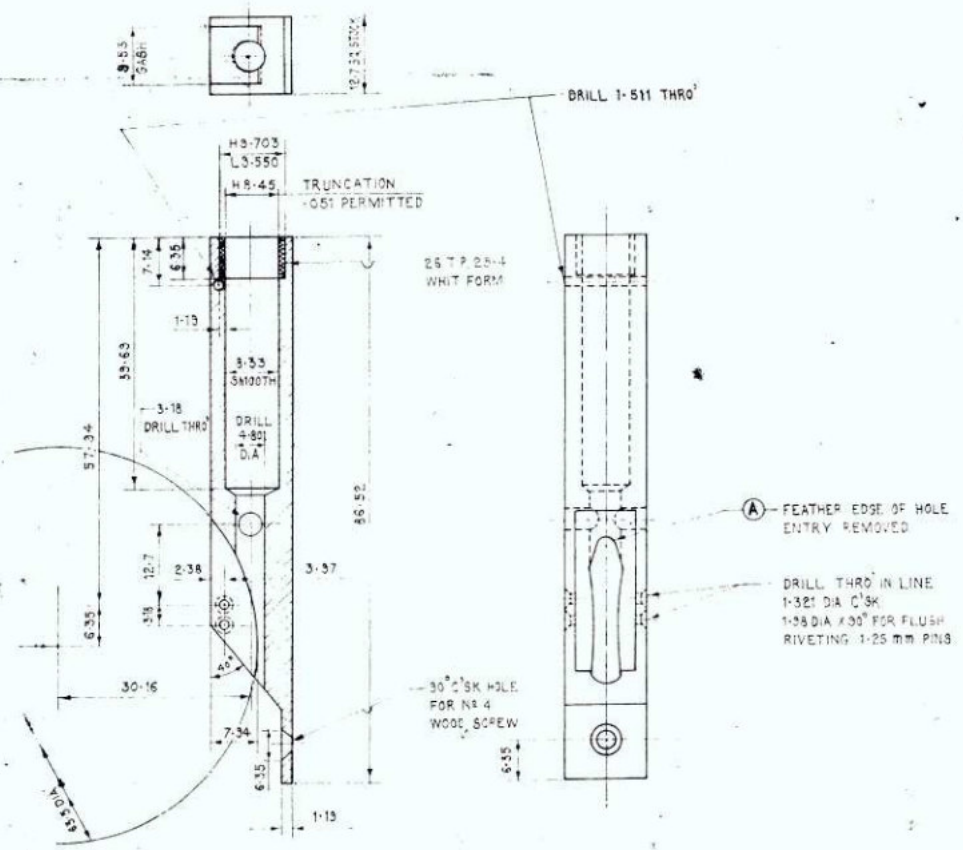
Kirkee. Pune-411003.

Dated : 04/01/2007

for CONTROLLER OF INSPECTION (AMMN)
DAC

DRG. CONVENTIONS CONFORM TO IS: 696
DIMENSIONS ARE IN mm

D.C.I. 16792-A



NOTE –

TOL. ON UNTOLERANCED DIMNS
FOR ONE DECIMAL PLACE ± 1·3
FOR TWO OR MORE DECIMAL PLACES ± ·13
TOL. ON ANGLES IN DEGREES ± 30'
FOR DRILL HOLES + ·1 − ·025

MATERIAL –

ZINC BASE ALLOY
TO SPECN B.S.3064 ALLOY 'A' 17K(2)
DIE CASTING. TO DEF (7)(5) CLASS 1.

PROTECTIVE FINISH –

CRONAK THEN PAINT MATT KHAKI EXTERNALLY ONLY.
IN INDIA, THE PAINT USED IS TO BE PAINT,
PREPARED FOR USE, AMN AIR DRYING, BROWN, [illegible]
LIGHT, COLOUR No 410 (MATT FINISH) OR BROWN,
MIDDLE, COLOUR No 411 (MATT FINISH) OF I.S.
SPECN. No I.S. 5-1949.

MATERIAL "ZINC BASE ALLOY BS 1004 ALLOY A FOR CLASS 1 DIE CASTING TO SPEC DEF 1 (5) OR ALTERNATIVELY ZINC BASE ALLOY TO BS SPEC IS 7-2 MATL FOR CLASS 1 DIE CASTING TO SPEC BSS 1160-01 SEPT 1962."

REVISION	ZONE	AHSP	D.O. SIGN
16-6-42 37116-A MATL SPECN AMENDED			
16-6-43 36856-A [illegible]			
21-3-48 001-34346-A TOLERANCE NOTE AMENDED RETRACED WITHOUT CHANGE PREVIOUS D.C.I.(7) Nos 16792-A, 22478-A, 23057-A, 23463-A & 31564-A			(D)
R.N.S. DATE AUTHORITY			
DRG SEALED - 30-8-44		D.O.C.I.A.	

DRN – CHD – TCD – PDT COMP (2)
SCALE – 2/1
EST MASS :–
GAUGE SCHD :–
APPD FOR C.I.(A) DATE –
MATL – AS ABOVE
PROTECTIVE FINISH :– SEE ABOVE

ASSY DRG.

DESIGNER'S REF
FUZE DETAIL 2738
PART No
D.S. CAT No

AHSP :– C.I.(A) KIRKEE.

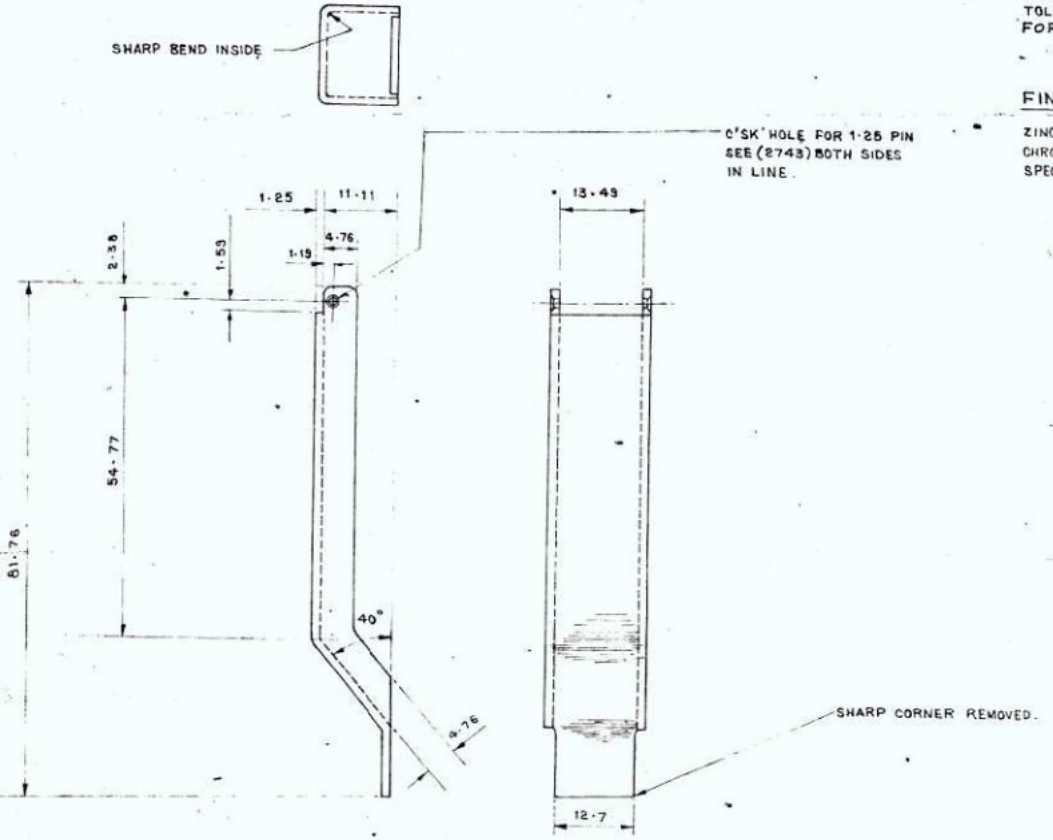
BODY

DRG. CONVENTIONS CONFORM TO IS: 696
DIMENSIONS ARE IN mm
PART NO

D C I. 16732-A

TOLERANCE ON UNTOLERANCED DIMS.
FOR ONE DECIMAL PLACE ± 1·3
FOR TWO OR MORE DECIMAL PLACES ± ·13
TOL ON DEGREES ± 30'
FOR DRILL HOLES $^{+\cdot1}_{-\cdot025}$

FINISH:-
ZINC PLATE FOLLOWED BY CHROMATE PASSIVATION TO SPECN. DEF 130.



R.NO	DATE	AUTHORITY	REVISION	ZONE	AHSP SIGN	D O
	21-3-65	DCI-3433-A	TOLERANCE NOTE AMENDED			
	20-6-78		RETRACED WITHOUT CHANGE. PREVIOUS D.C.(I) NOS 16732-A, 20411-A, 31458-AB & 31545-A.			SD/-

DRG. SEALED:- 30-9-44.

DRN.	CHD.	TRD M.A.K. COMP.
C.D'MAN	SD/- O/C D.O.	SCALE:- 2/1
APPD FOR C.I(A.)		EST. MASS:-
		GAUGE SCHD:-
		DATE:-
MATL.:-STEEL EN 2 A.		
PROTECTIVE FINISH:-		

ASSLY DRG.

DESIGNER'S REF.
F.D. 2739

PART No

D.S. CAT No

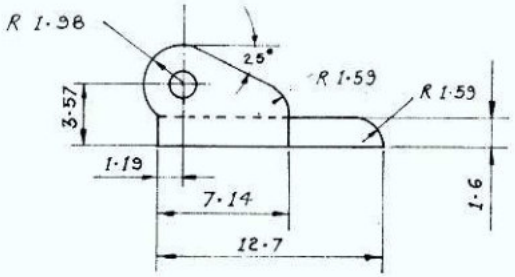
AHSP:- C.I.(A.) KIRKEE.

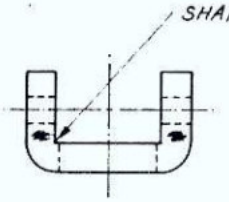
LID

785

PART No.	DIMENSIONS ARE IN mm

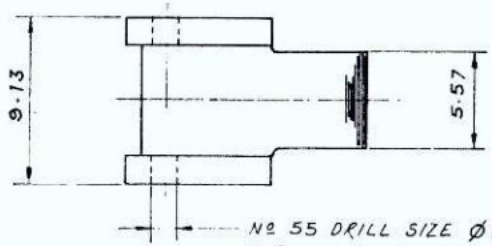
D.C.I. 16792-A.





NOTE :-

TOL. ON UNTOL. DIMS.
FOR ONE DECIMAL PLACE ± 1·3
FOR TWO OR MORE DECIMAL PLACES ± 0·13
FOR DRILL HOLES $\pm^{+.1}_{-.025}$
FOR ANGLES IN DEG. ± 30 MIN.



№ 55 DRILL SIZE Ø 1·321
THROUGH BOTH EARS - IN LINE.

R.Vo	DATE	AUTHORITY	REVISION	ZONE	AMSP SIG	
	21-3-88	DCI.34346-A	TOLERANCE NOTE AMENDED			
	26-10-87		RETRACED WITHOUT CHANGE.			
			PREVIOUS D.C.S(I). Nos 16792-A, 28411-A, 31955-A & 31545-A.			

DRG SEALED :- 30-9-44

DRN	CHD.	TCD RDT	COMP
C.O'MAN		SCALE - 4/1	
APPD		EST. MASS -	
FOR C.I.(A)		GAUGE SCH"	
		DATE	

MATL :- STEEL L.4 2A
PROTECTIVE FINISH :- ZINC PLATE FOLLOWED BY CHROMATE PASSIVATION TO SPEC. DEF. 130.

ASSY. DRG.

DESIGNER'S REF
F.O. 2740

PART No.

D.S.C.A. No.

AMSP :- C.I.(A). KIRKEE.

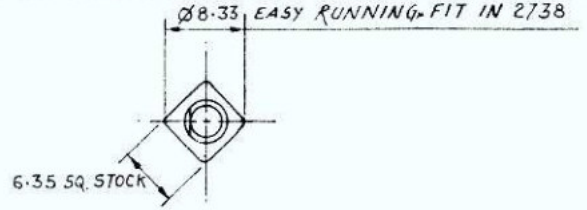
SEAR.

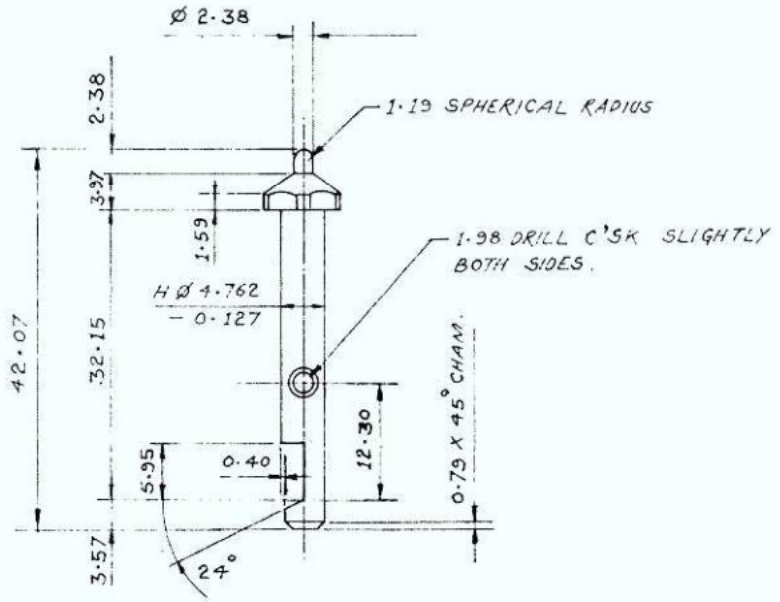
13483

8	7	6	5	4	3	2	1

PART NO. | DIMENSIONS ARE IN mm

D.C.I. 16792-A.





TOL ON UNTOL. DIMS.
FOR ONE DECIMAL PLACE ± 1·3
FOR TWO OR MORE DECIMAL PLACES ± 0·13
TOL. ON ANGLE IN DEGREES ± 30'
FOR DRILL HOLES $^{+\ 1}_{-\ 025}$

PROTECTIVE FINISH :-

ZINC PLATE FOLLOWED BY CHROMATE PASSIVATION TO SPEC. DEF. 130.

MATERIAL :-

STEEL TO SPEC. B S 970 : PART 1 : 1972
GRADE 220 M 07

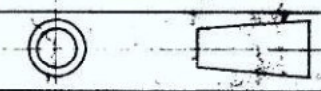
R.No	DATE	AUTHORITY	REVISION	ZONE	AHSP.	D.O.
	21-3-88	DCI·34346-A	TOLERANCE NOTE AMENDED			
	18-3-87		RETRACED WITHOUT CHANGE.			
			PRIVIOUS D.C.(1) Nos 16792-A, 20053-A, 28411-A, 31455-A, 31545-A & 33555-A.			SDI-

DRG. SEALED :- 30-9-44

DRN.	CHD.	TRD. ROT	COMP.
C.D.'MAN.	SDI- O'IC. D.O.	SCALE :- 2/1	
		EST. MASS :-	
APPD. FOR C.I.(A)		GAUGE SCND :-	
		DATE :-	

MATL :- AS ABOVE
PROTECTIVE FINISH :- AS ABOVE

ASSY. DRG.



DESIGNER'S REF.
FD 2741

PART No.

D.S.CAT No.

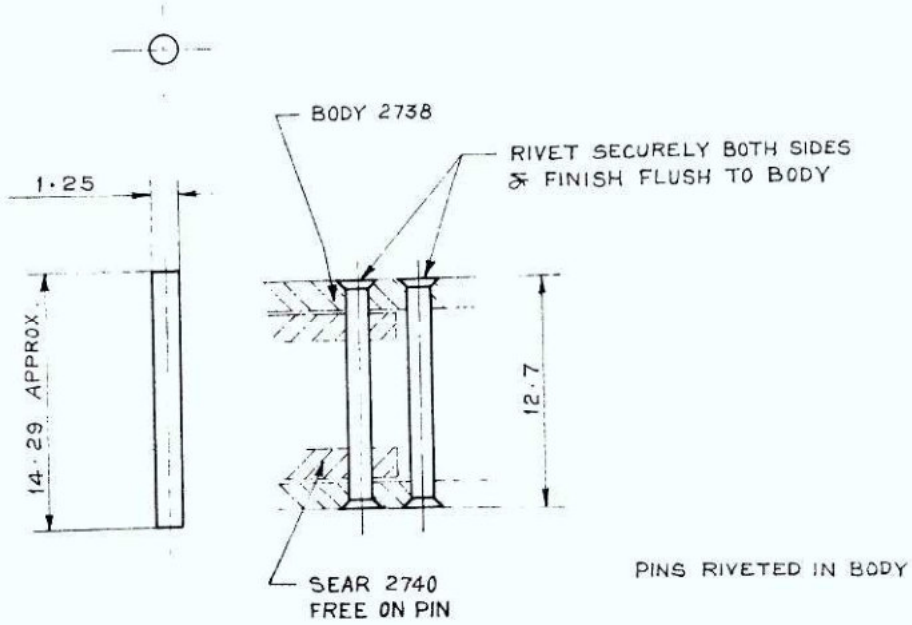
AHSP :- C.I.(A). KIRKEE.

STRIKER

DIMENSIONS ARE IN mm

DCI 16792 - A.

TOL. ON UNTOL. DIMENSIONS
FOR ONE DECIMAL PLACE ± 1·3
FOR TWO OR MORE DECIMAL PLACES ± 0·13



PINS RIVETED IN BODY

FINISH :-

ZINC PLATE FOLLOWED BY CHROMATE PASSIVATION TO SPEC. DEF. 130

R Nº	DATE	AUTHORITY	REVISION	ZONE	AHSP / SIG.	D.O.
	31-10-87		RETRACED WITHOUT CHANGE. PREVIOUS D.Cs (I) Nºs 16792-A, 28411-A, 31455-A, & 31545-A.			D SDJ--

DRG. SEALED :- 30 - 9 - 44

DRN : C. D'MAN	CHD : O/C D.O.	TRD. MNJ	COMP : -
APPD. SDJ- FOR CI(A)		SCALE :- 4 : 1	
		EST. MASS :	
		GAUGE SCHD :-	
		DATE :-	
MATL :- STEEL EN 2			
PROTECTIVE FINISH :-			

ASSY DRG.

DESIGNER'S REF
FD 2742

PART Nº

D.S. CAT Nº

AHSP :- CI(A) KIRKEE.

PIN (SEAR)

4	3	2	1

PART No

DRG. CONVENTIONS CONFORM TO IS: 696
DIMNS. ARE IN mm.

AMENDMENTS :-

DATE	DETAIL OR ARRGT.	DATE	DETAIL OR ARRANGEMENT	DATE	DETAIL OR ARRGT.	DATE	DETAIL OR ARRGT.
30-9-44 D.C.I.16792-A	COVER DETAIL LIST & ARRGT.	7-1-52 D.C.I.22338-A	2723 & 2724				
1-5-45 D.C.I.17668-A	2720	7-4-52 D.C.I.22459-A	2718				
30-8-45 D.C.I. [illegible] A	2720	18-7-52 D.C.I.22632-A	DETAIL LIST ARRGT.				
18-7-47 D.C.I.20053-A	2741		F.D. 2719 & I.A.F.D. 62				
16-11-48 D.C.I.20853-A	2721	27-8-52 D.C.I.22679-A	2738 & ARRGT.				
8-2-49 D.C.I.20984-A	DETAIL LIST & ARRGT.	15-8-54 D.C.I.23451-A	2735				
	2719, 2722 & 2723	26-6-57					
12-2-51 D.C.I.21932-A	2718	3-2-58 D.C.I.24921-A	I.A.F.D. 62				
10-3-51 D.C.I.21958-A	2718 & 2735	23-6-58 D.C.I.25057-A.	2738				
10-3-51 D.C.I.21958-A	COVER D. LIST & 2720	16-1-67 D.C.I.28393-A	"ARRGT"				
2-4-51 D.C.I.21982-A	2735	18-11-68 D.C.I 29023-A	"ARRGT"				
24-8-51 D.C.I.22180-A	I.A.F.D.62	18-7-75 D.C.I.31545-A	COVER ARRGT. DETAIL LIST				
11-9-51 D.C.I.22199-A	2720		F.D. Nos 2738 TO 2743				

CONTENTS :-

DETAIL LIST
ARRANGEMENT
DETAILS.

R.No	DATE	AUTHORITY	REVISION	ZONE	AHSP SIG.	D.O.
	31-8-83		RETRACED WITHOUT CHANGE.			

DRG. SEALED :- 23-11-43

DRN.	CHD.	TCD M.A.K	COMP.
CD'MAN	O/CD.O.	SCALE :-	
	SD/- FOR C.E.A.D	EST. MASS :-	
		GAUGE SCHD.	
		DATE :- 3-4-44	

ASSY DRG

DESIGNER'S REF.
D D(L) 15270

PART No

D.S.CAT No

AHSP :- C.I.(A) KIRKEE

MATL :-

PROTECTIVE FINISH :-

SWITCH, No 6, RELEASE, MARK 1/L

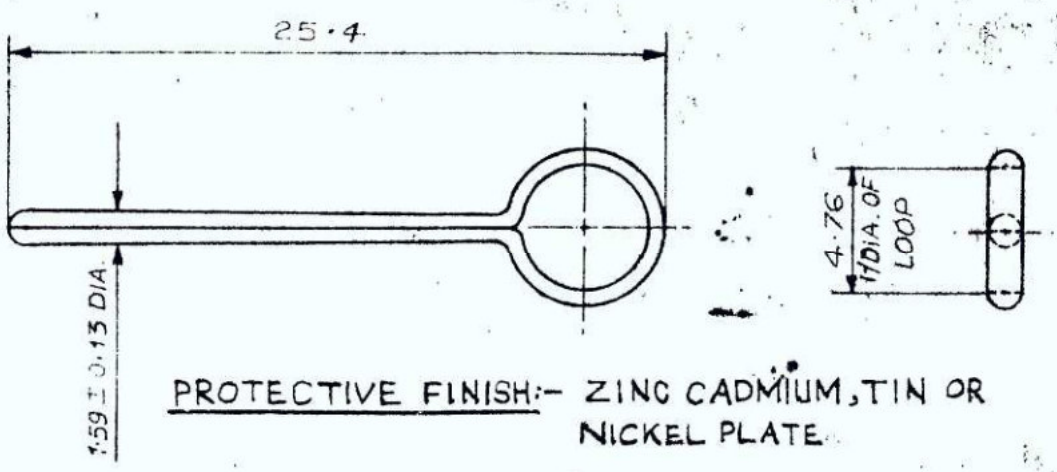
12065

4	3	2	1

PART Nº | DIMENSIONS ARE IN mm.

D.C.I. 16792-A.

TOL. ON UNTOL. DIMENSIONS.
FOR ONE DECIMAL PLACE ± 1·3
FOR TWO OR MORE DECIMAL PLACE ± 0·3



PROTECTIVE FINISH:- ZINC CADMIUM, TIN OR NICKEL PLATE.

NOTE:-

WHEN REQUIRED FOR SWITCH, Nº 15 PRESSURE, Mk 1/1, THE LENGTH OF THE SAFETY PIN IS TO BE SHORTENED BY 7·93.

MATERIAL:-

STEEL B.S. 1052 HARD DRAWN OR ROLLED CONDITION TENSILE STRENGTH MIN 600 MPa OR IS 280 HALF HARD (LATEST ISSUE)

R.Nº	DATE	AUTHORITY	REVISION	ZONE	AHSP / SIG.	D.O.
	13-11-87	Dcl. 34267-A	MATERIAL SPECN. AMENDED			
	31-8-87		RETRACED WITHOUT CHANGE.			
			PREVIOUS D Cº (I) Nºs:- 16792-A, 21932-A, 21958-A, 22459-A, 25190-A, 27234-A, 27670-A, 27738-A, 28284-A, 30631A & 31080-A.			

DRG SEALED:- 23-11-43

DRN.	CHD.	TRD. RCD	COMR
C.D'MAN	0½ D.O.	SCALE:- 4/1.	
APPD. FOR C.I.(A):		EST. MASS:-	
		GAUGE SCHD:-	
		DATE:-	

ASSY. DRG.

MATERIAL:- AS ABOVE.

PROTECTIVE FINISH:- AS ABOVE.

DESIGNER'S REF.
F.D. 2718

PART Nº

D.S.CAT Nº.

AHSP:- C.I.(A) KIRKEE

SAFETY PIN

13487

(13)

4	3	2	1

PART Nº | DIMENSIONS ARE IN mm

D.C.I. 16792-A — TOLERANCE ON UNTOLERANCED DIMENSIONS ± 0·13.

Nº OF COILS (EFF)	10½
WIRE DIA.	1·02
MEAN DIA.	6·05
FREE LENGTH	28·58 AFTER SCRAGGING.
MUST CLOSE TO	12·30
RATE PER 25·4 DEF.	115 N ± 4 N
ENDS GROUND SQUARE	YES.

STRESS RELIEVED AFTER WINDING.

SPRINGS WHEN MANUFACTURED IN INDIA WILL CONFORM TO FOLLOWING PARTICULARS.

Nº OF COILS (EFF)	10 TO 11
WIRE DIA.	1·02
MEAN DIA.	6·045 ± 0·051
FREE LENGTH	28·58 ± 0·79 AFTER SCRAGGING.
MUST CLOSE TO	12·30

TO COMPRESS TO A LENGTH OF 15·24 WITH A LOAD OF 55·5 N TO 60 N.
ENDS GROUND SQUARE — YES.
STRESS RELIEVED AFTER WINDING.

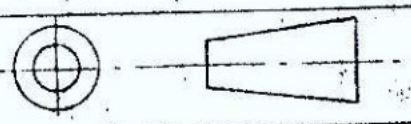
FINISH :- ZINC PLATE.

R. Nº	DATE	AUTHORITY	REVISION	ZONE	AHSP SIGN.	D.O.
	8-12-88	DC 34497-A	MATERIAL AMENDED.			(2)
	4-9-87		RETRACED WITHOUT CHANGE.			(1)
			PREVIOUS D.C.(I) Nos :- 16792-A, 21958-A, 21982-A, 23451-A, 27737-A, 28641-A, 30631-A & 31080-A.			SD/-

DRG. SEALED :- 23-11-43.

DRN :- CDMAN	CHD :- O'C D.O	TCD :- SNS	COMP :-
		SCALE :- 2 : 1	
		EST MASS :-	
APPD. FOR C.I.(A)		GAUGE SCHD :-	
		DATE :-	

ASSY. DRG.



MATERIAL :- STEEL, TO BS 5216 1975 ND GRADE 2.

PROTECTIVE FINISH :-

DESIGNER'S REF. F.D. 2735

PART Nº

D.S. CAT. Nº

AHSP :- C.I.(A). KIRKEE.

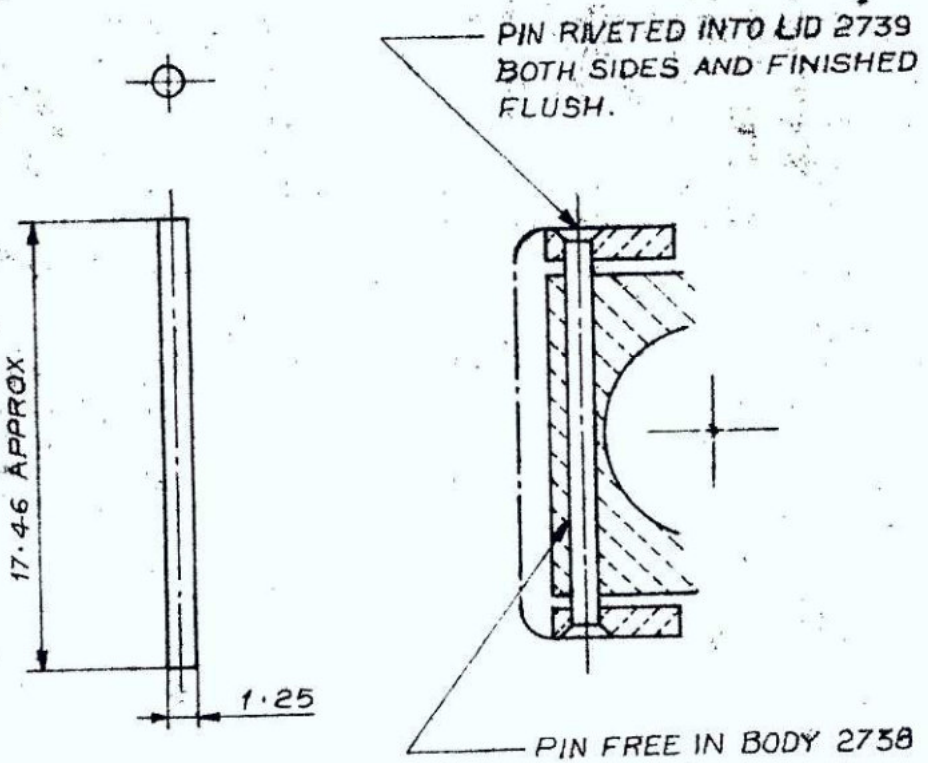
STRIKER SPRING

13455

4	3	2	1

PART NO | DIMENSIONS ARE IN mm.

D.C.I. 16792-A.



TOL. ON UNTOL. DIMENSIONS.
FOR ONE DECIMAL PLACE ± 1·3
FOR TWO OR MORE DECIMAL PLACES ± 0·13

R.No	DATE	AUTHORITY	REVISION	ZONE	AHSP / SIG	D.O.
	5-9-87		RETRACED WITHOUT CHANGE.			SD/-
			PREVIOUS D.Cs (I). Nos:- 16792-A, 28411-A, 31455-A & 31545-A.			

DRG. SEALED:- 30-9-44

DRN.	CHD.	TRD. RCD	COMP. —	ASSY. DRG.
C.D'MAN	O/c D.O.	SCALE:- 4/1		
APPD. FOR C.I.(A).		EST. MASS:-		
		GAUGE SCHD:-		
		DATE:-		

MATERIAL:- STEEL, EN2
PROTECTIVE FINISH:- ZINC PLATE FOLLOWED BY CHROMATE PASSIVATION TO SPEC. DEF 130

DESIGNER'S REF.
F.D. No 2743

PART No

D.S.CAT No

AHSP:- C.I.(A), KIRKEE

PIN (LID)

13491