



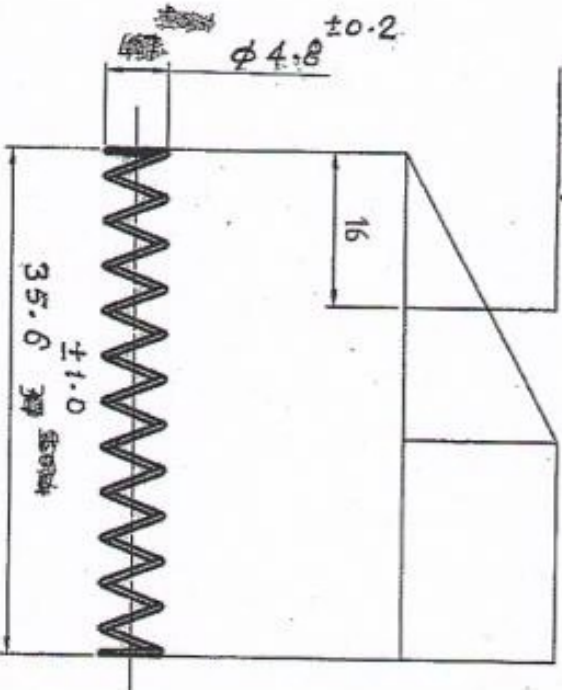
SCALE :1:1

DIMENSIONS ARE IN mm,
UNTOLERATED DIMS. AS PER IS : 2102 (MED)
IMPORTANT DIMS. MARKED THUS 'T'.

MARKING ON TAG :
YEAR OF MANUFACTURING,
MANUFACTURER'S CODE &
DRG. NO.

WIRE DIA: 0.4
WOUND : R.H. 11.5
NO. OF EFF.COILS : 4
NO OF COILS - 13.0^{+0.5}
MEAN DIA - 4.4 ± 0.2
SOLID LENGTH - 5.2
STRESS RELIEVED

ONE COIL AT EACH END TO BE
CLOSED IN AND GROUND SQUARE
TO THE AXIS OF THE COIL LEAVING
3/4 OF THE COIL AT EACH END
NON-EFFECTIVE



THE SPRING TO WORK FREELY IN ITS LOADED AND UNLOADED
CONDITION OVER A ROD OF DIA.3.85
CRAMP TEST: THE SPRING TO BE COMPRESSED TO A LENGTH
OF 16mm FOR A PERIOD OF 12 HOURS BEFORE GAUGING.

MATL:- STEEL IS:4454 PART 1-2091 GR. ¹DM

DRG. PROVISIONAL.

PART NO.	DESCRIPTIONS	NO OFF	MATERIAL	TREATMENT	REMARKS
	SUB: FIRING PIN SPRING				SCALE NTS
	FOR: 14.5mm BOLT ASSY.				STORE DRG.NO.
	OF: 14.5mm/20mm AMR.				OPERATION NO.
	CHECKED: <i>[Signature]</i>				SHEETS: 1
	DRAWN: R. Ringe				SHEET No.: 1
	TRACED:				
	SIGNATURE & DATE:				
	DESIGNER/PRODN. OFFICER/ D&DO				
	OIC/D&DO				
	OFFICER/PRODN. OFFICER/ D&DO				
	APPROVED ON: 03/2005				
	SIG.				
	AMENDMENTS & DATE				



ORDNANCE FACTORY
TRICHIRAPPALLI-16.

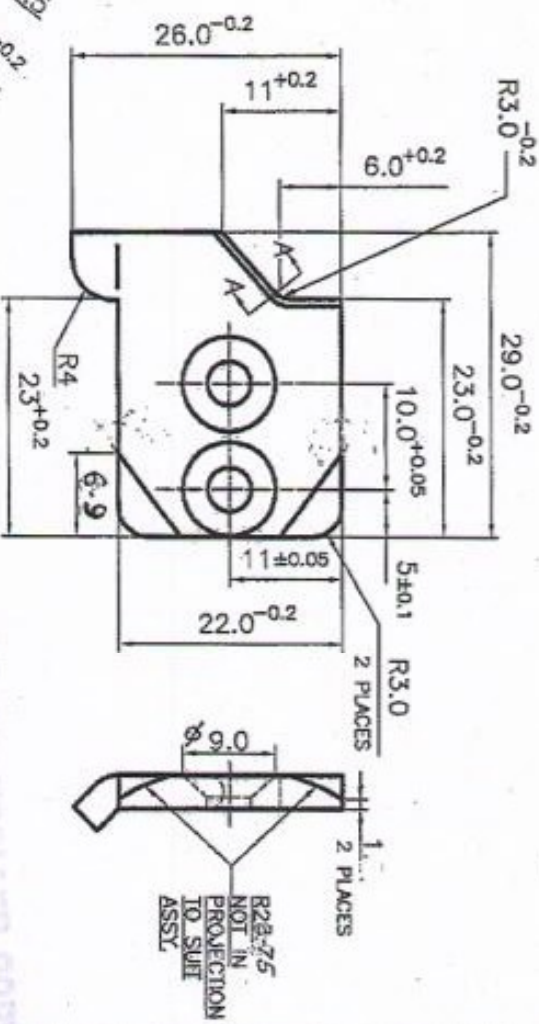
DRG. No.: 44P 14005 * 2

DA.No - 084/19
DA: 8/7/19
DA.No: 001/19

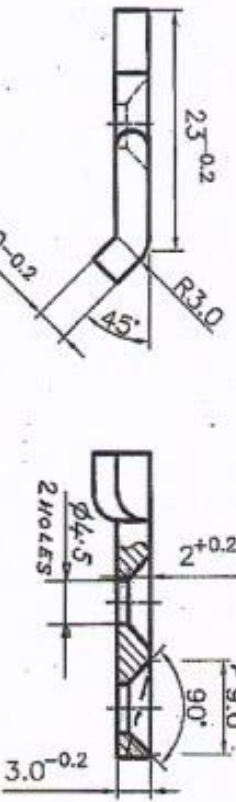
CERTIFIED CORRECT COPY
OF APPROVED DRAWINGS
OF THIS DRAWING
92019
Design & Drawing Office
Ordnance Factory,
Trichirappalli-621016.

*90041 PHF. ON. NO.

DIMENSIONS ARE IN mm,
 UNTOLERATED DIMS. AS PER IS : 2102 (MED)
 MARK DRAWING No.
 SHARP CORNERS TO BE BLUNT TO RO.2.



SECTION 'A-A'



MATERIAL: 30X H2M ΦA, HARDNESS: 260-300 HB.
 ALT. MATL: BS. 970 PT. 1-1983 GR. 826 M31 (OR) EN 25
 (OR) IS: 5517-1993, DESIGN. 31 Nf 10 Cr3 Mo6

PART NO.	DESCRIPTIONS	SIGNATURE & DATE	NO OFF	MATERIAL	TREATMENT	REMARKS
	TRACED					SCALE NTS
	DRAWN	<i>B. Sankar</i>				STORE DRG. NO.
	CHECKED	<i>Libon S. Jeyaraj</i>				OPERATION NO.
	OIC/D&DO					
	OFFICER/PRODN.					
	OFFICER/D&DO					
	APPROVED ON: 3/05/2007					

DR. NO. 006/07

4/10/07

Sl. No. 20
 DA. No. 02/19
 30.3.19

AMENDMENTS & DATE

sub: HAMMER CAM PLATE
 FOR: 14.5MM BOLT ASSY.
 OF: 14.5MM/20MM AMR.
 DES. REF. NO.
 DRG. No.: 44P 14006*
 ORDNANCE FACTORY
 TRUCHIRAPPALLI-16.
 SHEETS: 1
 SHEET No.: 1

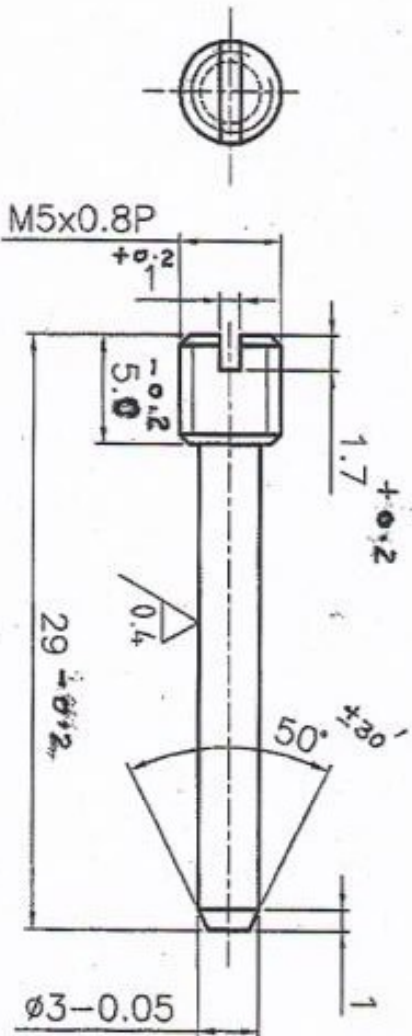
DM CONTROLLED COPY

CERTIFIED CORRECT COPY
 OF APPROVED DRAWINGS
 AT TRUCHIRAPPALLI

Design & Production
 Ordnance Factory,
 Truchirappalli-160016

*Z0071 P4P ON GRD

DIMENSIONS ARE IN mm.
 UNTOLERATED DIMNS. AS PER IS : 2102 (MED)
 MARK DRAWING No.



65 C2 BA.W, OCT-3-98-80

MATERIAL: ~~65 C2 BA.W, OCT-3-98-80~~ HARDNESS: 280-320HB
 HARDNESS: 51-61 HRC3

NOTE: STRESS RELIEVING AT 180°C FOR 45 MIN.

PROTECTIVE FINISH: PHOSPHATED TO SPECIFICATION

JSS : 0465-01-1988 CLASS II (ACCELERATED) OIL FINISH.

16 / [0.4]

DRG. PROVISIONAL

PART NO.	DESCRIPTIONS	SIGNATURE & DATE	NO OFF	MATERIAL	TREATMENT	REMARKS
	TRACED					
	DRAWN	<i>R. Gupta</i>				
	CHECKED	<i>V. Srinivas</i>				
	OIC/D&DO					
	OFFICER/PRODN.					
	OFFICER/D&DO					
FOR: 14.5mm BOLT ASSY. OF: 14mm/20mm AMR.		SUB: FIRING PIN RETAINING PIN		SCALE NTS		STORE DRG.NO.
DES. REF. NO.		DRG. No.: 44P 14007*		ORDNANCE FACTORY TRUCHIRAPPALLI-16.		OPERATION NO.
AMENDMENTS & DATE		APPROVED ON: 07/05		SHEETS: 1		SHEET No.: 1

DR. NO. 006/07

4/10/07

DRAWN: 28-5-19

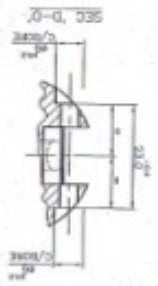
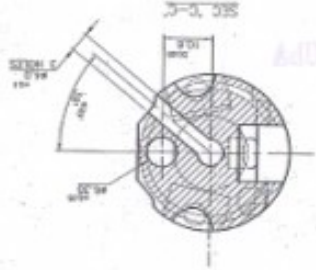
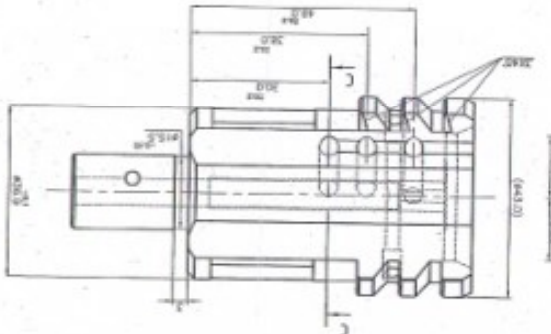
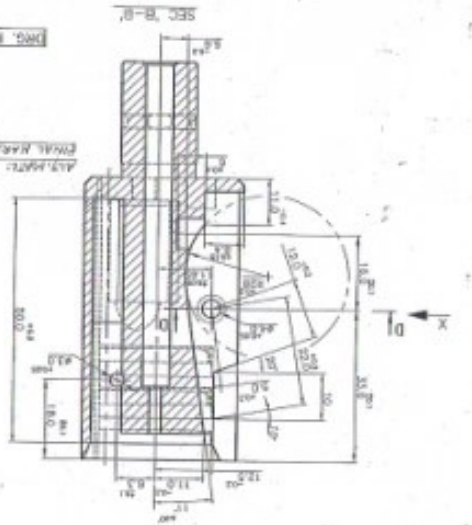
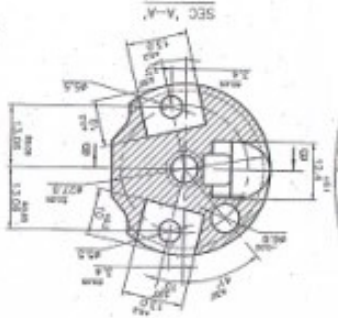
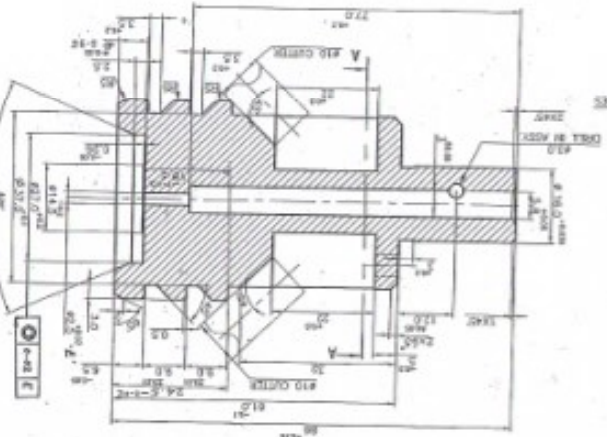
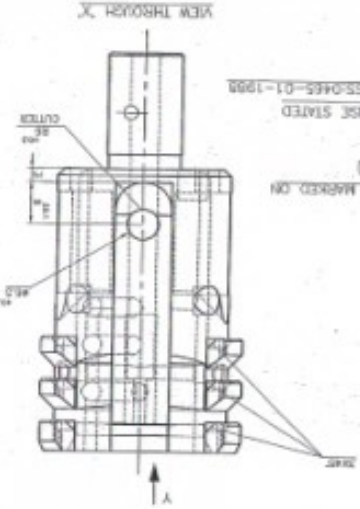
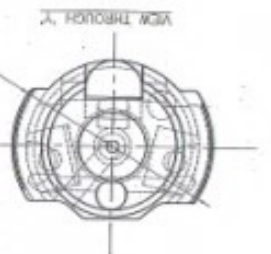
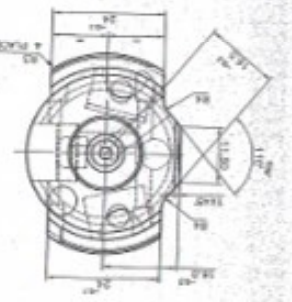
28-5-19

AMENDMENTS & DATE

APPROVED ON: 07/05



ORDNANCE FACTORY TRUCHIRAPPALLI-16.



REV.	DATE	BY	CHKD.	DESCRIPTION
1				ISSUED FOR FABRICATION
2				REVISION
3				REVISION
4				REVISION
5				REVISION
6				REVISION
7				REVISION
8				REVISION
9				REVISION
10				REVISION
11				REVISION
12				REVISION
13				REVISION
14				REVISION
15				REVISION
16				REVISION
17				REVISION
18				REVISION
19				REVISION
20				REVISION

INDICATED DIMENSIONS MARKED THIS WAY TO BE MARKED ON
DIMENSIONS ARE IN INCHES
SURF CORNERS SHOULD BE BLUNT TO R0.5
ANGULAR TOLERANCE ± 0.005 UNLESS OTHERWISE STATED
CLASS 1 (ACCELERATED) OIL FINISH
MATERIAL SPECIFICATION: 303-304 SS
HARDNESS: 280-320 HB

PROVISIONAL

ALUMINUM: 6061-T6 PER MIL-1793 OR 6061 M40 (C0) PER MIL-8838

DATE: 10/27/19
BY: [Signature]
CHKD: [Signature]

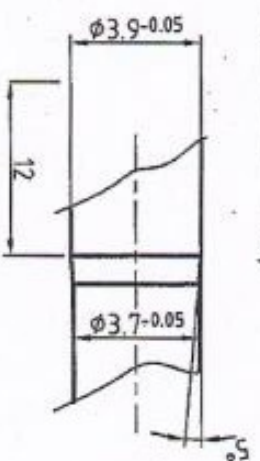
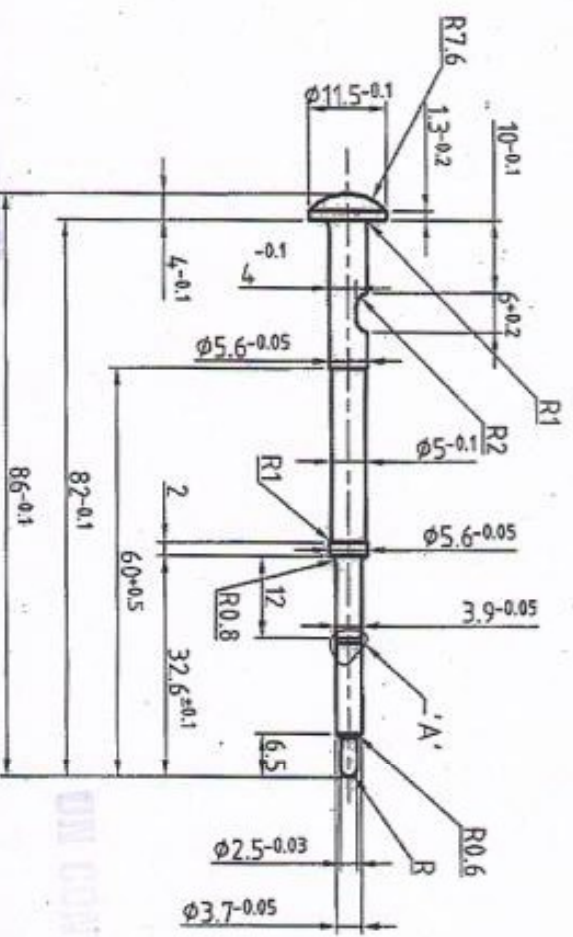
CONTROL CENTER OF AIR FORCE RESEARCH AND DEVELOPMENT

*6001 44P DRG.NO.

ALY. MATL :-
BS-970 Pt-2, 1983 GR. 925 A 60 WITH C% 0.60 TO 0.63, S% & P% 0.015 MAX.
EACH (ESR QUALITY STEEL)

DIMENSIONS ARE IN mm.
 UNTOLERATED DIMNS. AS PER IS : 2102 (MED)
 MARK DRAWING NO.

NOTE: ALL SHARP CORNER TO BE BLUND TO R0.2



65 C2 BA-W, OCT-3-98-80 D ENLARGED VIEW AT 'A'
 MATERIAL: ~~65C2BA-H-XH-60SE-14963-79~~
 HARDNESS: 51-61 HRC3
 SURFACE FINISH:-PHOSPAIED TO SPECIFICATION. JSS:0465-01-1988
 CLASS-1 (ACCELERATED) OIL FINISH.

0.4

CERTIFIED CORRECT COPY
 OF APPROVED DRAWINGS
 AT THIS DATE
 Design & Development
 Ordnance Factory,
 Tiruchirappalli.

PART NO.	DESCRIPTIONS	SIGNATURE & DATE	NO OFF	MATERIAL	TREATMENT	REMARKS
	TRACED					SCALE NTS
	DRAWN	R. Narasimha				STORE DRG.NO.
	CHECKED	Johny S.				OPERATION NO.
	OIC/D&DO	Jandam.				
	OFFICER/PRODN.					
	OFFICER/D&DO					
	AMENDMENTS & DATE					

Cad 2/Prakash/cd/14009