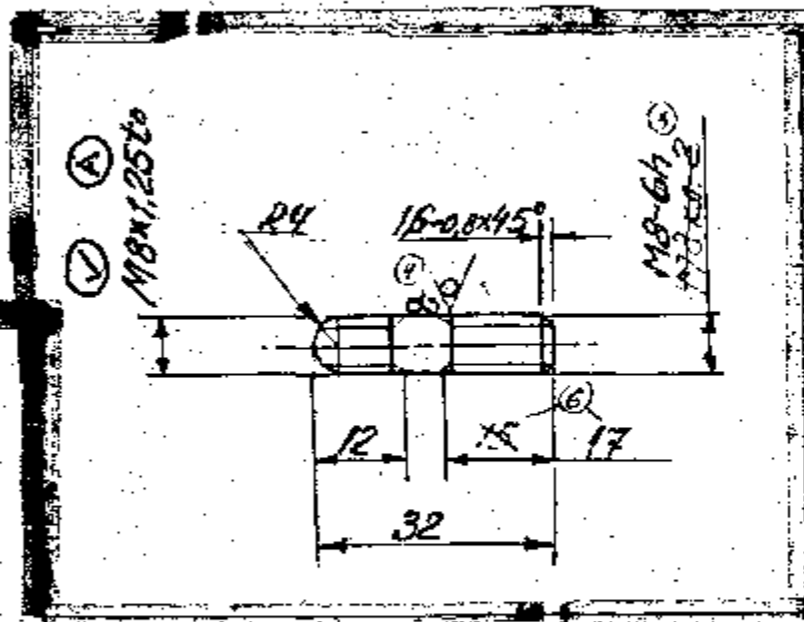


DRAWING NUMBER  
350 123

EXPLANATORY NOTE

Rz80



1. TECHNICAL REQUIREMENTS FOR THREADS AS PER STANDARD 02021-00.
2. DIMENSIONS WITH UNSPECIFIED TOLERANCES AND THE REST OF THE TECHNICAL REQUIREMENTS AS PER STANDARD 02052-00.
3. COATING: CADMIUM 3, CHROMATIZING AS PER 42.1-104 WITH SUBSEQUENT ELIMINATION OF HYDROGEN EMBRITTLEMENT.
4. THE THREAD MAY BE MADE BY ROLLING WITH THE DIAMETER OF UN-THREADED PORTION WITHIN THE PITCH DIAMETER OF THREAD.
5. ALTERNATE MATERIAL: STEEL 40, 50, GOST 1050-74.
7. REPAIR SIZE DIMENSIONS ARE ADDED WHERE INDICATED THUS (A), BASED ON OVERHAUL SPECIFICATIONS PART III REPAIR DRAWINGS. \*\*
- (B) 8. HARDNESS - 27-32 HRC.

REFERENCE MATERIAL QUOTED:

COLD DRAWN SIZED STEEL ROUND BAR  $\phi$  8mm TO GOST 7417-75 STEEL OF GRADE 45 TO 1051-73 AND MANUFACTURED IN ACCORDANCE WITH QUALITY CARBON STRUCTURAL STEEL GRADE 45 AND REFERENCE NOTE 5, OR ALTERNATE MATERIAL STEEL GRADES 40 & 50 TO GOST 1050-74.

a) CHEMICAL COMPOSITION AS PER GRADES 45, 40 & 50 TO GOST 1050-74.

GRADE OF STEEL	CONTENT OF ELEMENTS %						REMARKS
	C	Si	Mn	Cr	S	P	
45	0.42-0.50	0.17-0.37	0.50-0.80	0.25	0.040	0.035	Ref,Matl
40	0.37-0.45	0.17-0.37	0.50-0.80	0.25	0.040	0.035	Alt,Matl
50	0.47-0.55	0.17-0.37	0.50-0.80	0.25	0.040	0.035	Alt,Matl

RESIDUAL CONTENT OF COPPER AND NICKEL SHOULD NOT EXCEED 0.25% EACH.

b) MECHANICAL PROPERTIES UNDER NORMALISED CONDITION:

GRADE OF STEEL	ULTIMATE TENSILE STRENGTH Kgf/mm <sup>2</sup>	YIELD POINT Kgf/mm <sup>2</sup>	ELONGATION %	REDUCTION IN AREA %	IMPACT STRENGTH Kgm/cm <sup>2</sup>	HARDNESS B H N MAX	RE-MAR-KS
45	61	36	16	40	5	229	Ref,Matl
40	58	34	19	45	6	217	Alt,Matl
50	64	38	14	40	6	241	Alt,Matl

(B) \* MATERIAL:-

STEEL 709 M40 (EN-10275) TO BS-970 Pt-1-1983.

SL. NO.	REMARKS
1	M10 X 1.5 to
2	PCD 9.026 + 0.152 + 0.082

PILOT SAMPLE SHOULD BE APPROVED BY A.H.S.P BEFORE BULK PRODUCTION.

EST WT TO BE STAMPED OR MARKED WHERE INDICATED THUS # (LETTERS)

0.017 Kg

ALL SHARP EDGES AND CORNERS TO BE REMOVED UNLESS OTHERWISE STATED MACHINED CORNERS TO HAVE R OUT-SIDE R INSIDE EQUIVALENT CHAMFERS ARE PERMISSIBLE

ISSUE	DATE	NATURE OF AMENDMENTS
C	20-5-09	Authy: Third Alt. Comm. Minutes Point 5 Dated 27-02-2009.
B	13-01-08	AUTHY-MIN. OF ALT. COM. MEET. POINT-NO.-2.12 Dt.- 07-02-07
A	10-11-95	REPAIR SIZE DIMNS ADDED

DRN: [Signature]  
 CHD: [Signature]  
 TCD: [Signature]  
 APPD: [Signature]  
 DATE: 25-8-'86  
 SCALE: 1 : 1  
 DIMENSIONS IN mm  
 TOLERANCE ON DIMNS UNLESS OTHERWISE STATED IS : 2102-69  
 ALL THREADS TO CONFORM TO

MATERIAL: ROUND BAR - GOST 7417-75 - 45 GOST 1051-73

USED ON: 331-20-10  
 LB 331-20-6

CONTROLLERATE OF INSPECTION (HEAVY VEHICLES) AVADI

TITLE: **STUD M8x32**

D'S CAT NUMBER: [Blank]  
 DRAWING NUMBER: **350 123**