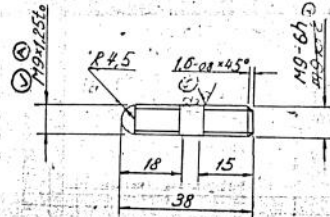


DRAWING NUMBER
350-41-1

Rz 80/ (J)



2. technical requirements for threads as per standard 82021-00.
 3. dimensions with unspecified tolerances and the rest of the technical requirements as per standard 82052-00.
 4. coating: cadmium, chromating as per 2311-104 with subsequent elimination of hydrogen embrittlement.
 5. The thread may be made by rolling with the diameter of unthreaded portion within the pitch diameter of thread.
 6. Mechanical damages of cadmium coating such as scratches, nicks and dents are allowed on assembly units, provided the steel is not exposed.
 7. Alternate material: steel grades 40 and 50 GOST 1050-74
 9. Repair size dimensions are added where indicated thus based on overhaul specifications part III repair drgs. **
- (B) 10. HARDNESS- 27-32 HRC.

8. EXPLANATORY NOTE:-

Material QUOTED : ROUND BAR GOST 7417-75
45 GOST 1051-73

Alt Mat Quoted : 40 & 50 GOST 1050-74.

PERTAINS TO SIZED, COLD ROLLED OR COLD DRAWN STEEL WITH ROUND SECTION AS PER GOST 7417-75.

40, 45 & 50 ARE THE GRADES OF STEEL GOST 1050-74

a) CHEMICAL COMPOSITION : (AS PER GOST 1050-74).

GRADE OF STEEL	CONTENT OF ELEMENTS %								
	C	Si	Mn	Cr	P	Cu	S	Ni	
40	0.37-0.45	0.17-0.37	0.50-0.80	0.25	0.035	0.25	0.040	0.25	
45	0.42-0.50	0.17-0.37	0.50-0.80	0.25	0.035	0.25	0.040	0.25	
50	0.47-0.55	0.17-0.37	0.50-0.80	0.25	0.035	0.25	0.040	0.25	

b) MECHANICAL PROPERTIES : (AS PER GOST 1050-74).

GRADE OF STEEL	TENSILE STRENGTH Kgf/mm ² (min)	YIELD POINT Kgf/mm ² (min)	% ELONGATION (MIN)	% REDUCTION IN AREA (min)	IMPACT STRENGTH Kgf/cm ² (min)
40	58	34	19	45	4
45	61	36	16	40	5
50	64	38	14	40	4

SI. NO	R	REMARKS
1	1M 12 X 1.5 t ₀	ALL OTHER CONDITIONS AS PER STD. DRG
2	PCD 11.026 +0.170 +0.095	

MATERIAL:- STEEL 709 M40 (EN-19) TO BS: 970 PT-1- 1983.

(E) CQA(HV)5.06.60SE
CQA(HV)5.06.609E
** (C)

CB 306-01-20
Cb 306-01-36
CB 306-02-20
Cb 306-02-36
CB 3301-15-30

CB 20-06-02-5
CB 20-06-01-5
Cb 3301-15-44

DRN	CHD	TCD	APPO	DATE	SCALE	MATERIAL :- ROUND BAR GOST 7417-75 45 GOST 1051-73	USED ON :- SEE ABOVE **
E	15.7.15	Pt. 11, 7 th Alt. Comm. Meeting Dt. 11.4.12		19-6-89	1:1	CONTROLLERATE OF QUALITY ASSURANCE (HEAVY VEHICLES)	
D	9-6-09	3 rd ALTERATION COMM. MINUTES POINT 5 DATE 27-2-09					
C	25.8.08	USED ON NUMBERS ADDED					
B	22.01.08	AUTHY- MIN. OF ALT. COM. MEET. POINT No- 2.12 Dt- 07-02-07.					
A	6.10.15	REPAIR SIZE DIMMS ADDED					
ISSUE	DATE	NATURE OF AMENDMENTS					

AVADI

TITLE
STUD M9 x 38

TOLERANCE ON DIMMS UNLESS OTHERWISE STATED IS 2102-69

D S CAT NUMBER
DRAWING NUMBER
350-41-1

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

EST. WT.
0.015 kg.

TO BE STAMPED OR MARKED WHERE INDICATED THIS # LETTERS)

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

COMMON TO V-92S2 & UTD-20 ENGINES.

SIZE A2