



1. Inspection group IV TT-11.
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 2131-104 with elimination of hydrogen embrittlement.
5. The thread may be made by rolling with the diameter of unthreaded portion with in the pitch diameter of thread.
6. HRC ≥ 28.....35.

7. EXPLANATORY NOTE :

MATERIAL QUOTED : ROUND BAR GOST 7417-75
38XA GOST 1051-73

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

38XA = GRADE OF STEEL AS PER GOST 4543-71.

CHEMICAL COMPOSITION : (As per gost 4543-71)

C = 0.35 - 0.42	P = 0.025 max
Si = 0.17 - 0.37	S = 0.025 max
Mn = 0.50 - 0.80	Cu = 0.30 max
Cr = 0.80 - 1.10	Ni = 0.30 max

MECHANICAL PROPERTIES (AS PER GOST 4543-71)

ULTIMATE TENSILE STRENGTH Kgf/mm² = 95 (min)

YIELD POINT Kgf/mm² = 80 (min)

% ELONGATION = 12 (min)

% REDUCTION IN AREA = 50 (min)

IMPACT STRENGTH Kgf/cm² = 9 (min)

HEAT TREATMENT :

(a) HARDENING OR NORMALIZING TEMPERATURE °C = 860

COOLING MEDIUM = OIL

(b) TEMPERING TEMPERATURE °C = 550

COOLING MEDIUM = WATER OR OIL

Cb 3301-15-30
306-03-3
306-00-2
3312-91-4

8. REPAIR SIZE DIMENSION ARE ADDED WHERE INDICATED THUS (B) BASED ON

(A) OVERHAUL SPECIFICATION PART III REPAIR DRAWINGS

Sl.No	R	REMARKS
1	M10 X 1.5 TO	ALL OTHER CONDITIONS
2	PCD + 9.026 + 0.170 + 0.095	AS PER STD DRG

(B) Cb 3301-15-30
Cb 306-03-3
Cb 306-04-2
Cb 3312-91-4
** Cb 3301-15-44
Cb 3312-91-11

(C) EQUIVALENT MATERIAL
STEEL 109M40 (EN 19) TO BS: 1570
40Cr4Mo3 TO IS: 1570

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

EST. WT.	TO BE STAMPED OR MARKED WHERE INDICATED THUS (LETTERS)
0.019 Kg.	()

ALL SHARP EDGES AND CORNERS TO BE REMOVED UNLESS OTHERWISE STATED MACHINED CORNERS TO HAVE R OUTSIDE R INSIDE EQUIVALENT CHAMFERS ARE PERMISSIBLE.

DRN	Approved	MATERIAL - ROUND BAR	USED ON :-
CHO	Approved	GOST 7417-75	SEE ABOVE **
ITD	Approved	38 X A GOST 1051-73	
APPD	Approved	CONTROLLERATE OF QUALITY ASSURANCE (HEAVY VEHICLES)	
DATE	15-6-89	A V A D I	
SCALE	1:1		
DIMENSIONS IN mm.		TITLE	
TOLERANCE ON DIMS UNLESS OTHERWISE STATED IS 2002-69		STUD M8x48	
D S CAT NUMBER		DRAWING NUMBER	
ISSUE		350-40-1	

COMMON TO V-92S2 ENGINE