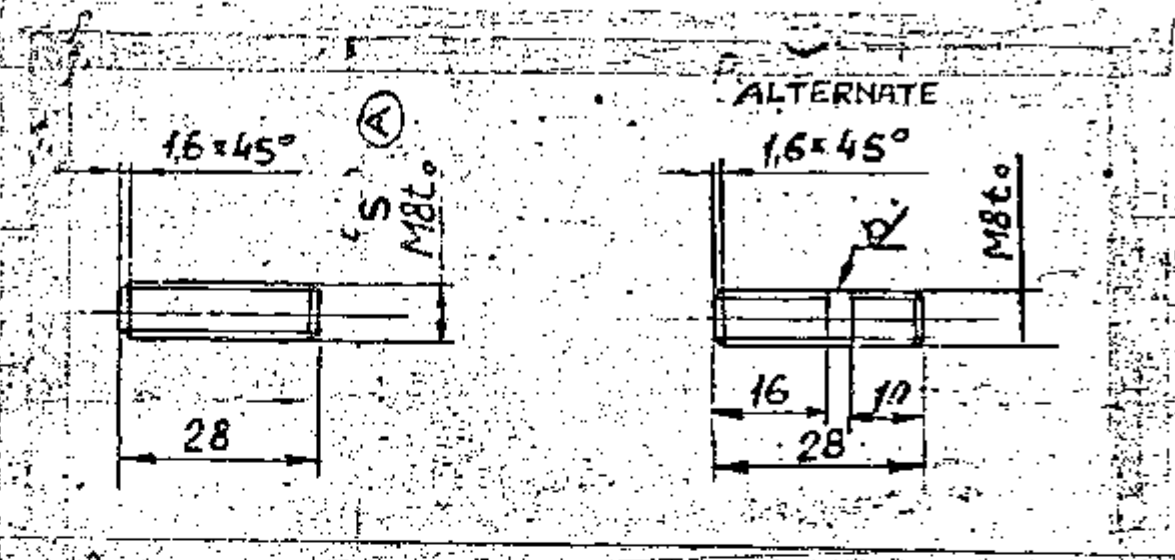


DRAWING NUMBER  
550-110

Rz80 (✓)



**EXPLANATORY NOTE**

MATERIAL QUOTED : STEEL 45 GOST 1050-74.  
45° = GRADE OF MATERIAL  
CHEMICAL COMPOSITION : (AS PER GOST 1050-74)

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

**MECHANICAL PROPERTIES :**  
TENSILE STRENGTH Kgf/mm<sup>2</sup> = 61 (min)  
YIELD POINT Kgf/mm<sup>2</sup> = 36 (min)  
ELONGATION % = 16 (min)  
REDUCTION IN AREA % = 40 (min)

**REPAIR SIZE DIMENSIONS**

CATEGORY	DESIGNATION OF SIZE	SIZE ACCORDING TO WORKING DRG	REPAIR SIZE DIMENSION 'S'
550-110 R1	DIAMETER	M 8 X 1.25 to	M 10 X 1.5 to
	DIAMETRAL PITCH		+0.170 9.026 +0.095

All other details as per working drg

- ALTERNATE MATERIAL IS STEEL 45 GOST 1050-74.
- UNSPECIFIED LIMIT DEVIATIONS OF DIMENSIONS ARE AS FOLLOWS.  
FOR SHAFTS - AS PER B7,  
OTHERS - AS PER CM7.
- MAKE THREADS AS PER STANDARD 82020-12, ISSUE 7.
- TECHNICAL REQUIREMENTS ARE AS PER GOST 1759-70.
- COATING : CADMIUM-PLATED, 3 MICRONS THICK, OILED .
- UNTHREADED PORTION OF THE ROD MAY BE MADE WITH IN  
LIMITS OF THE ANGLE DIAMETER OF THE THREAD.
- MECHANICAL DAMAGE TO COATINGS SUCH AS SCRATCHES, NOTCHES  
AND DENTS WHICH DO NOT EXPOSE STEEL IS ALLOWED IN ASSEMBLY UNITS.
- HARDNESS:- 27-32 HRC.

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

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

EST. WT. 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 INSIDE EQUIVALENT CHAMFERS ARE PERMISSIBLE

ISSUE	DATE	NATURE OF AMENDMENTS
D	20.09.12	7th ALTERATION COMMITTEE MEETING MINUTES POINT No.8. DATE:-11.04.2012.
C	9.6.09	3rd ALTERATION COMM. MINUTES POINT 5 DATE 27-2-09
B	12.01.08	AUTHY:-MIN. OF ALT. COM. MEET POINT. No.- 2.12 Dt.- 07-02-07
A	7.8.98	AUTHY:-SPICN.FOR REPAIR SIZE DRGS PART

DRN	DRN	MATERIAL:- * (C) USED ON CB20-01-02-9
CHK	CHK	45 GOST 1050-74 CB 20-27-05-4
TCD	TCD	
APPD	APPD	CONTROLLERATE OF QUALITY ASSURANCE(HEAVY VEHICLES)
DATE	DATE	AVAD
SCALE:- 1:1		
DIMENSIONS IN mm		TITLE
TOLERANCE ON DIMNS UNLESS OTHERWISE STATED IS:2102-69		STUD M8x28
ALL THREADS TO CONFORM TO		D S CAT NUMBER
		DRAWING NUMBER
		550-110



SIZE A3