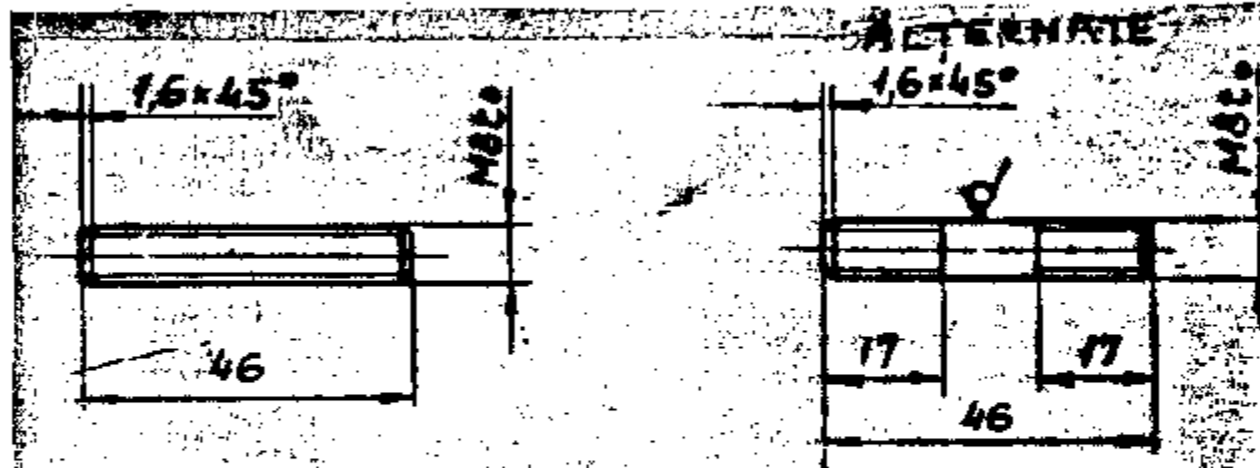


DRAWING NUMBER  
550-105

Rz80 (✓)



**EXPLANATORY NOTE :**

8. REFERENCE MATERIAL QUOTED :  
HIGH QUALITY (A) CHROMIUM STEEL TO GRADE 38XA.

a) CHEMICAL COMPOSITION :

CARBON	- 0.35 - 0.42	%
SILICON	- 0.17 - 0.37	%
MANGANESE	- 0.50 - 0.80	%
CHROMIUM	- 0.80 - 1.10	%
SULPHUR	- 0.025 (max)	%
PHOSPHORUS	- 0.025 (max)	%
COPPER	- 0.30 (max)	%
NICKEL	- 0.30 (max)	%

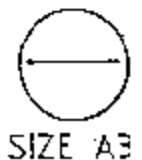
b) PHYSICAL PROPERTIES :

YIELD POINT	- 80 Kgf/mm <sup>2</sup>	(min)
U T-S	- 95 Kgf/mm <sup>2</sup>	(min)
ELONGATION %	- 12	(min)
REDUCTION IN AREA %	- 50	(min)
IMPACT STRENGTH	- 9 Kgf/cm <sup>2</sup>	(min)

1. INSPECTION GROUP IV AS PER TECHNICAL REQUIREMENTS TT - 11, HRC 26 TO 33.
2. UNSPECIFIED LIMIT DEVIATIONS OF DIMENSIONS ARE AS FOLLOWS:  
FOR SHAFTS - AS PER B<sub>7</sub>,  
OTHERS - AS PER CM<sub>7</sub>
3. MAKE THREAD AS PER STANDARD 82020-12, ISSUE 7.
4. TECHNICAL REQUIREMENTS ARE AS PER GOST 1759-70.
5. COATING: CADMIUM-PLATED, 3 MICRONS THICK, OILED, WITH REMOVAL OF HYDROGEN EMBRITTLEMENT.
6. UNTHREADED PORTION OF THE ROD MAY BE MADE WITH IN THE LIMITS OF THE ANGLE DIAMETER OF THREAD.
7. IN THE ASSEMBLY UNITS MECHANICAL DAMAGE TO THE COATINGS SUCH AS SCRATCHES NOTCHES AND DENTS WHICH DO NOT EXPOSE STEEL ARE PERMITTED.

CB 20-11-02-9  
CB-20-13-02-11

PILOT SAMPLE SHOULD BE APPROVED BY A H S P BEFORE BULK PRODUCTION		DRN		MATERIAL:-	USED ON
EST. WT.	TO BE STAMPED OR MARKED WHERE INDICATED THIS ( LETTERS)	CHD		38XA GOST 4543-71	CB 20-15-601-5
		TCO			
		APPC			
		DATE	24-4-1987	CONTROLLERATE OF QUALITY ASSURANCE(HEAVY VEHICLES)	
		SCALE:-	1:1	AVADI	
		DIMENSIONS IN mm		TITLE	STUD M8X46
		TOLERANCE ON DIMNS			
		UNLESS OTHERWISE			
		STATED IS:2102-59			
		ALL THREADS TO		D S CAT NUMBER	DRAWING NUMBER
		CONFORM TO			550-105
		ISSUE DATE			
		NATURE OF AMENDMENTS			



SIZE A3