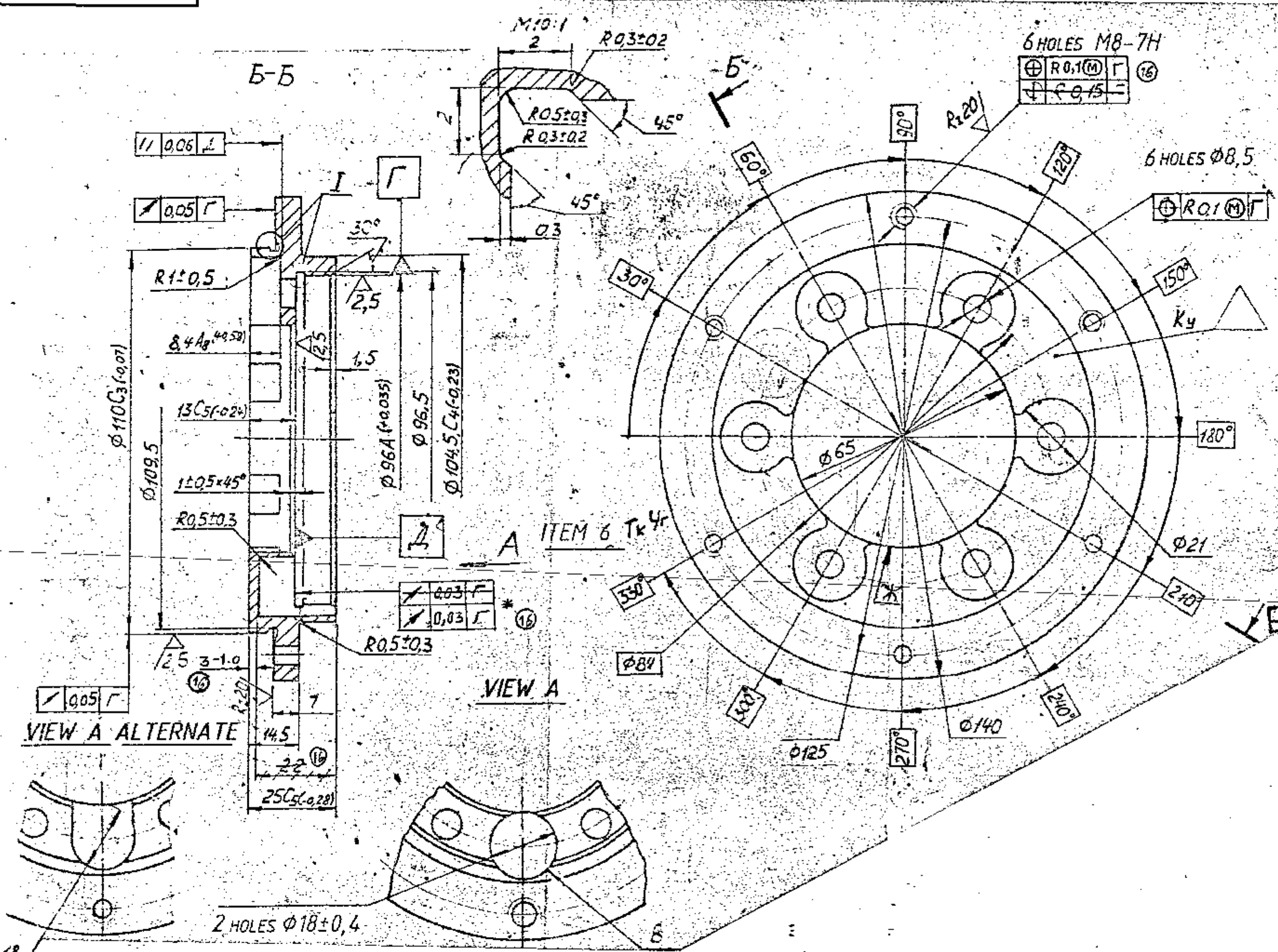


DRAWING NUMBER
20-63-25A

Rz40



EXPLANATORY NOTE :-

MATERIAL QUOTED : 45X GOST 4543-71.
Alt Matl Quoted = 40X , 45XH GOST 4543-71.
40X = GRADE OF STEEL } CHROMIUM
45X = GRADE OF STEEL }
45XH = GRADE OF STEEL - CHROMIUM - NICKEL.

(a) CHEMICAL COMPOSITION :

GRADE OF STEEL	PROPORTION OF ELEMENTS %									
	C	Si	Mn	Cr	Ni	P	S	Cu	Ni	
40X	0.36-	0.17-	0.50-	0.80-						
	0.44	0.37	0.80	1.10						
M A X I M U M										
45X	0.41-	0.17-	0.50-	0.80-		0.035	0.035	0.30	0.30	
	0.49	0.37	0.80	1.10						
45XH	0.41-	0.17-	0.50-	0.45-	1.00-	0.035	0.035	0.30		
	0.49	0.37	0.80	0.75	1.40					

(b) MECHANICAL PROPERTIES

	40X	45X	45XH	
1	HARDENING TEMPERATURE °C	860	840	820
	COOLING MEDIUM	OIL	OIL	WATER OR OIL
2	TEMPERING TEMPERATURE °C	500	520	530
	COOLING MEDIUM	WATER OR OIL	WATER OR OIL	WATER OR OIL
3	YIELD POINT Kgf/mm ² (min)	80	85	85
4	ULTIMATE STRENGTH Kgf/mm ² (min)	100	105	105
5	% RELATIVE ELONGATION (min)	10	9	10
6	% RELATIVE REDUCTION ACCROSS SECTION	45	45	45
7	IMPACT STRENGTH Kgf.m/cm ²	6	5	7

- INSPECTION GROUP III AS PER TECHNICAL REQUIREMENT TT-11 HB 241 TO 285, d - IMPRESSION 3.9 TO 3.6
- ALTERNATE MATERIAL IS STEEL 40X 45XH, GOST 4543-71.
- UNSPECIFIED LIMIT DEVIATIONS OF DIMENSIONS ARE AS FOLLOWS :
FOR HOLES - AS PER A7 , SHAFTS - AS PER B7 , OTHERS - AS PER CM7.
- WHEN MAKING TWO HOLES B, SURFACE X MAY BE STRIPPED, BLUNT THE STRIPPED PORTIONS OF THE SURFACE AS PER STANDARD.
- CHEMICAL OXIDIZATION AND OIL FINISH.
- THE FOLLOWING MARKING SHOULD BE MADE ON PARTS TO BE DELIVERED AS SPARE PARTS.
(1) DESIGNATION (2) TRADE MARK.
- * ENSURE TECHNOLOGICALLY.
- ** COATING - ZINC PLATED, 3 MICRONS THICK OILED OR CADMIUM PLATED 3 MICRONS THICK OILED.
NO COATING ON THE INTERNAL SURFACES IS ALLOWED.

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

EST. WT. 0.867 Kg
TO BE STAMPED OR MARKED WHERE INDICATED THUS # LETTERS)
ALL SHARP EDGES AND CORNERS TO BE REMOVED UNLESS OTHERWISE STATED MACHINED CORNERS TO HAVE R OUTSIDE R INSIDE EQUIVALENT CHAMFERS ARE PERMISSIBLE.

DRN	CHD	TCD	APPD	DATE	SCALE	DIMENSIONS IN mm.	TOLERANCE ON DIMNS UNLESS OTHERWISE STATED IS 2102-69	ALL THREADS TO CONFORM TO
				26-11-87	-1:1			
MATERIAL :- 45X GOST 4543-71					USED ON :- CB 20-63-00-5			
CONTROLLERATE OF QUALITY ASSURANCE HEAVY VEHICLES								TITLE
								FLANGE
ISSUE DATE					D S CAT NUMBER		DRAWING NUMBER	
16 257-89 Notn.No.1400-803							20-63-25A	
NATURE OF AMENDMENTS								

