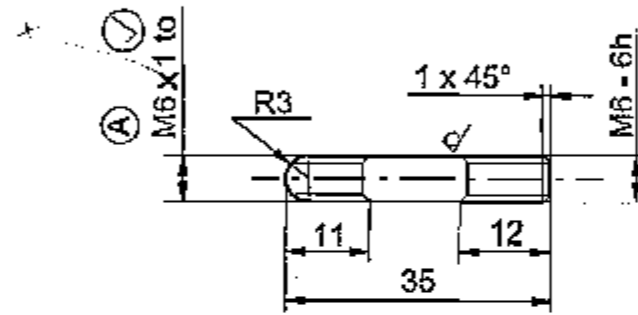


DRAWING NUMBER  
350 - 05

SHEET No. 1 OF 1

Rz 80 (✓)



**EXPLANATORY NOTE :-**

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

ALTERNATE MATERIAL QUOTED :- 40, 50 GOST 1050-74  
PERTAINS TO SIZED COLD ROLLED OR COLD DRAWN STEEL WITH ROUND SECTION  
40, 45 AND 50 ARE GRADES OF STEEL GOST 1051-73

**CHEMICAL COMPOSITION :**

GRADE OF STEEL	CONTENT OF ELEMENTS IN %							
	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	0.04	0.25
45	0.42 - 0.50	0.17 - 0.37	0.50 - 0.80	0.25	0.035	0.25	0.04	0.25
50	0.47 - 0.55	0.17 - 0.37	0.50 - 0.80	0.25	0.035	0.25	0.04	0.25

**MECHANICAL PROPERTIES :**

GRADE OF STEEL	TENSILE STRENGTH Kgf / mm <sup>2</sup> (min)	YIELD POINT Kgf / mm <sup>2</sup> (min)	ELONGATION % (min)	REDUCTION IN AREA % (min)	IMPACT STRENGTH Kgf / mm <sup>2</sup>
40	58	34	19	45	6
45	61	36	16	40	5
50	64	38	14	40	4

1. DELETED.
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 3. CHROMATIZING AS PER IJIT-104 WITH SUBSEQUENT ELIMINATION OF HYDROZEN EMBRITTEMENT.
5. THE THREAD MAY BE MADE BY ROLLING WITH THE DIAMETER OF UNTHREADED PORTION WITH THE PITCH DIAMETER OF THREAD.
6. MECHANICAL DAMAGES OF THE 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.
8. HARDNESS :- 27 - 32 HRC.

8. REPAIR SIZE DIMENSIONS ARE ADDED WHERE INDICATED THUS (A) BASED ON OVER HAUL SPECIFICATION PART III REPAIR DRAWINGS.

SL.No.	R	REMARKS
1	M8 x 1.25 TO	ALL OTHER CONDITIONS AS PER STD. DRG.
2	+0.152 P C D = 7.188 +0.062	

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

(C) EQUIVALENT MATERIAL STEEL  
45C8 TO IS:1570

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

EST. WT. (Kg)	TO BE STAMPED OR MARKED WHERE INDICATED THUS # ( LETTERS)
0.007	

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

DRN	Sd/=	MATERIAL :- ROUND BAR	USED ON :- Cb 3308-91
		GOST 7417 - 75 *	Cb 402 - 94 - 1
		45 GOST 1051-73	Cb 3338 - 403 - 2
CHD	Sd/=	CONTROLLERATE OF QUALITY ASSURANCE (HEAVY VEHICLES)	
APPD	Sd/=	AVADM	
DATE		TITLE :-	
		STUD M6 x 35	
SCALE:-	DIMENSIONS IN mm	D S CAT NUMBER	DRAWING NUMBER
1 : 1			350 - 05
TOLERANCE ON DIMNS UNLESS OTHERWISE STATED IS : 2102 - 69	REPAIR SIZES ADDED	ALL THREADS TO CONFORM TO	
		NATURE OF AMENDMENTS	
ISSUE	DATE		

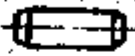
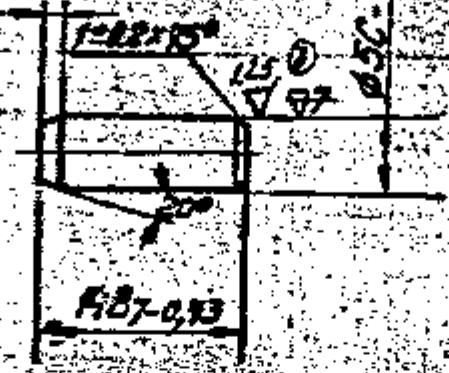
DRG. RE-INDIANISED BASED ON 350-05 ISSUE 'B' COMMON TO V-92S2 ENGINE

DRG. RE-INDIANISED BASED ON 350-05 ISSUE 'B' COMMON TO V-92S2 ENGINE

F-11  
SIZE A2



25±0.02



M1:1

50±0.02

1. Форма контроля - по ТУ 11.  
 2. Острые кромки затупить.  
 3. Покрытие хим. окс. при.  
 4. Завершить обработку поверхности шершавостью 40-50 мкм.

2. Sharp edges should be blunted.  
 3. Coating: Chemical oxidizing, oil finishing.  
 4. Alternate material: Steel, grades 40 and 50 GOST 1050-74.

Ⓐ EQUIVALENT MATERIAL  
 STEEL B0 M 40 (EN 8) TO BS 970 OR  
 45 CB TO IS 1570

FLAT SAMPLE SHOULD BE APPROVED BY A M S P BEFORE BULK PRODUCTION

EST. MASS	0.0021 Kg	TO BE STAMPED OR MARKED WHERE INDICATED THIS LETTERS
ISSUE DATE	10/7/10	NATURE OF AMENDMENTS
DRN	SCALE - 2:1	MATERIAL - STEEL 45 GOST 1050-74 USED ON - CB 3338-402-4
APPD	TOLERANCE ON DIMS UNLESS OTHERWISE STATED	CONTROLLER OF INSPECTION (HEAVY VEHICLES / AVADI)
DATE	15/8/10	TITLE - ROUND PIN 50 x 14
	ALL THREADS CONFORM TO	D S CAT NUMBER
		DRAWING NUMBER 352-31

**EXPLANATORY NOTE:-**

**MATERIAL QUOTED:-** STEEL 45 GOST 1050-74 STAMPING  
 STEEL 45 : GRADE OF STEEL.

**CHEMICAL COMPOSITION:-**

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

**MECHANICAL PROPERTIES:-**

TENSILE STRENGTH Kgf/mm <sup>2</sup>	YIELD POINT Kgf/mm <sup>2</sup>	ELONGATION %	REDUCTION IN AREA %	IMPACT STRENGTH Kgf.m/cm <sup>2</sup>
MINIMUM				
61	36	16	40	5

**ALTERNATE MATERIAL QUOTED:-** STEEL GRADES 40 & 50 GOST 1050-74

**CHEMICAL COMPOSITION:-**

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

**MECHANICAL PROPERTIES:-**

GRADE OF STEEL	TENSILE STRENGTH Kgf/mm <sup>2</sup>	YIELD POINT Kgf/mm <sup>2</sup>	ELONGATION %	REDUCTION IN AREA %	IMPACT STRENGTH Kgf.m/cm <sup>2</sup>
MINIMUM					
40	58	34	19	45	6
50	64	38	14	40	4

THE UNIVERSITY OF CHICAGO

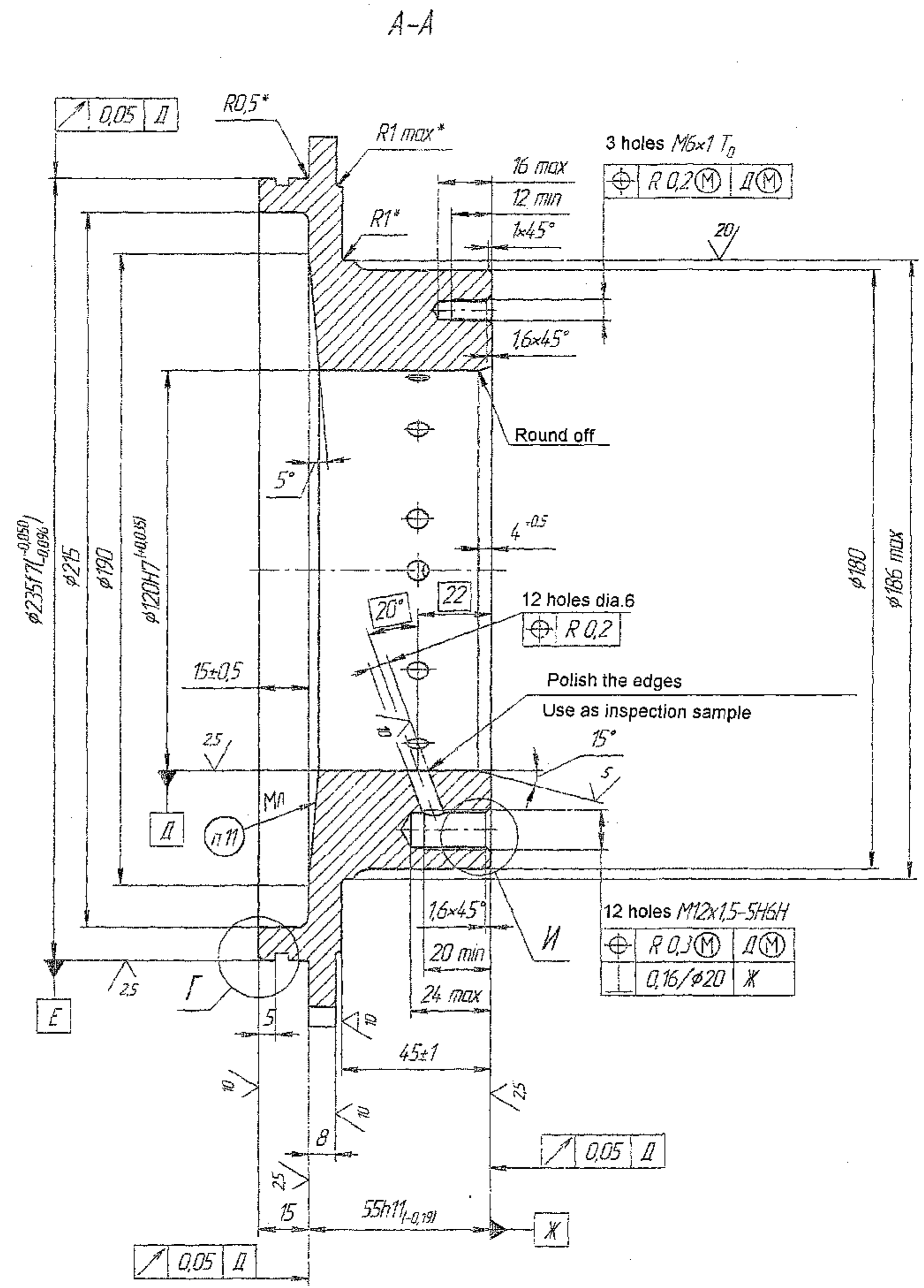
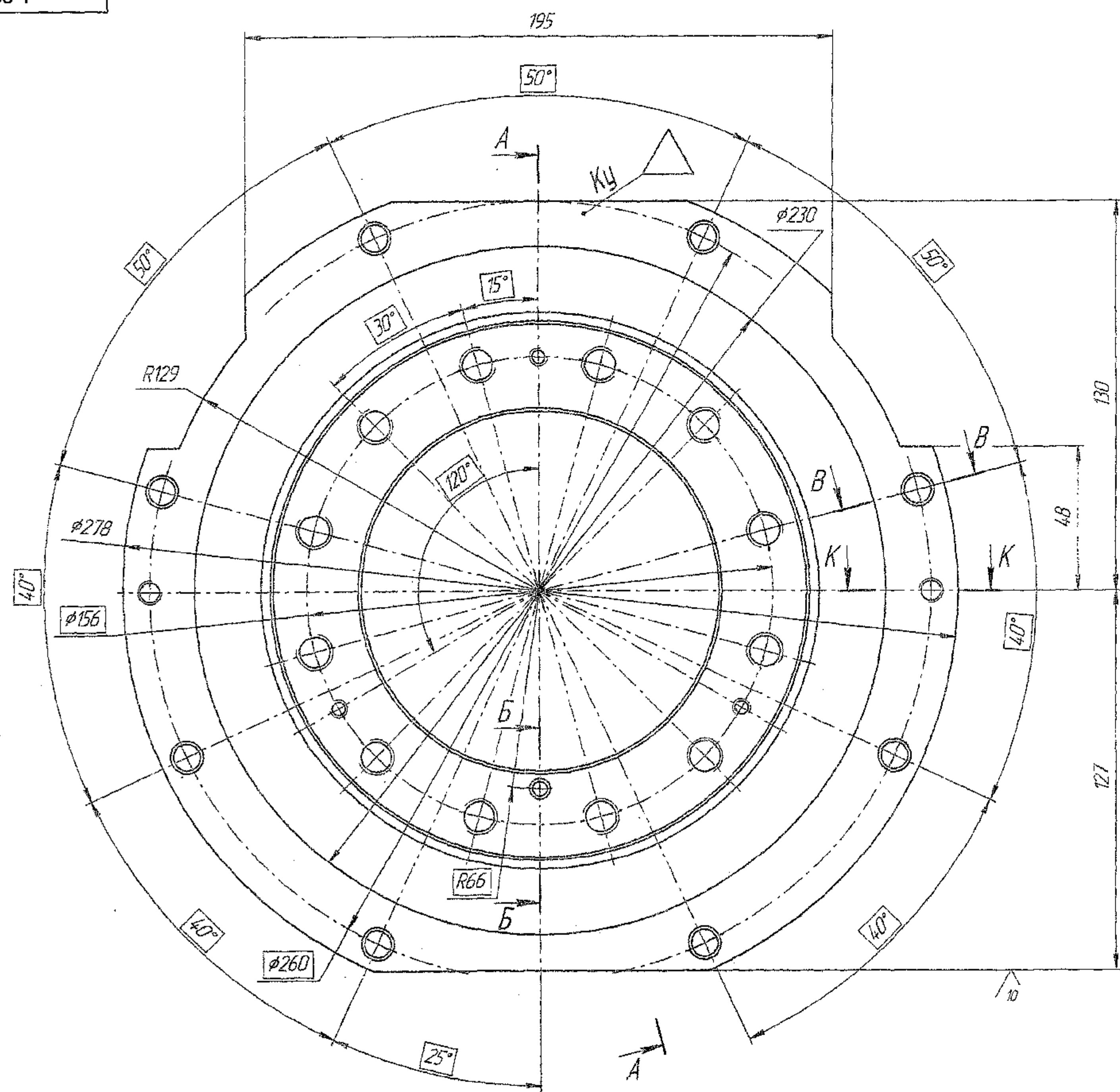
PHYSICS DEPARTMENT

PHYSICS 311

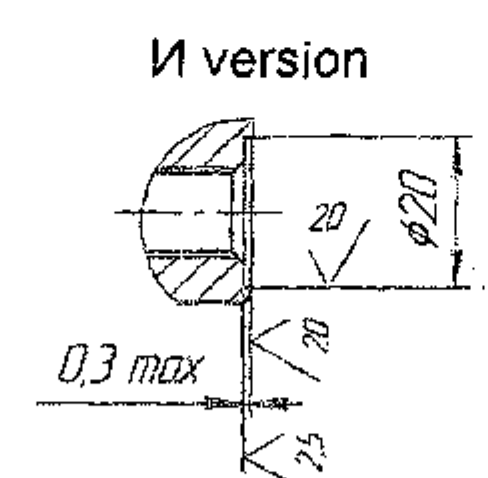
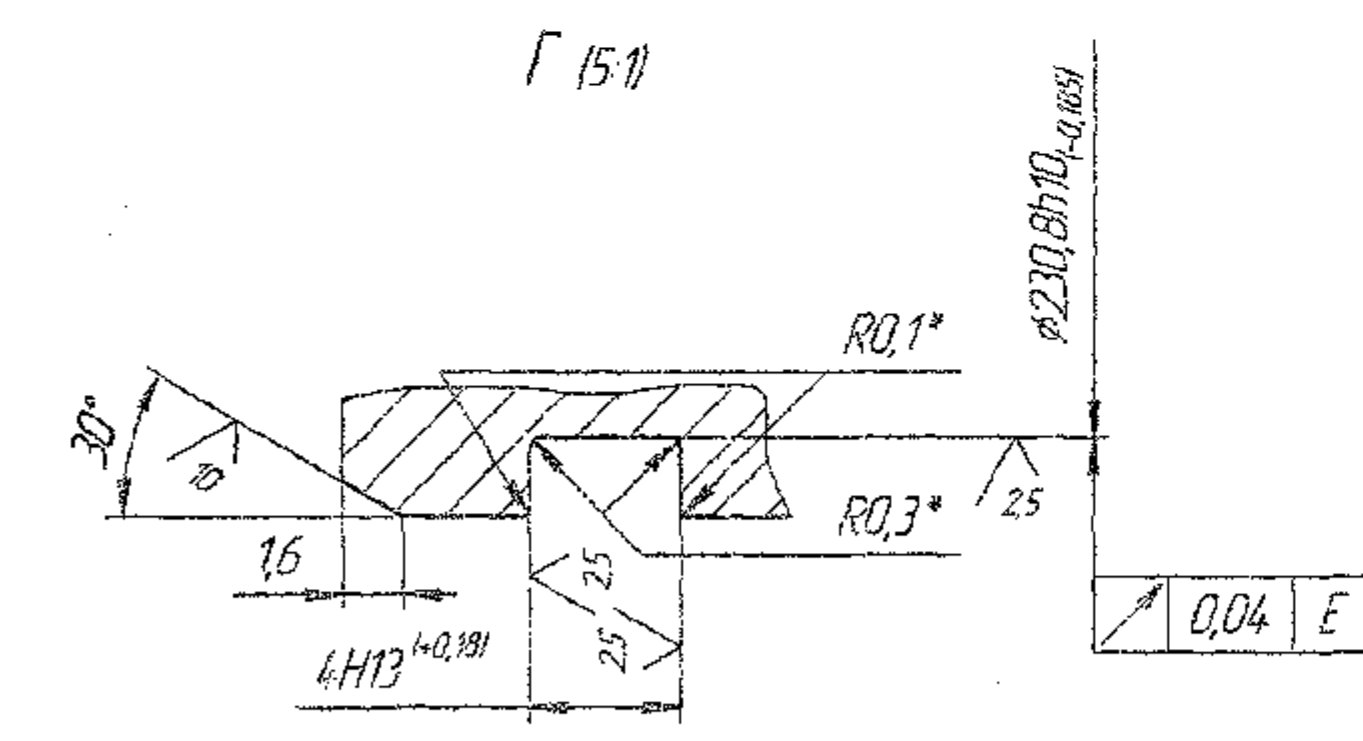
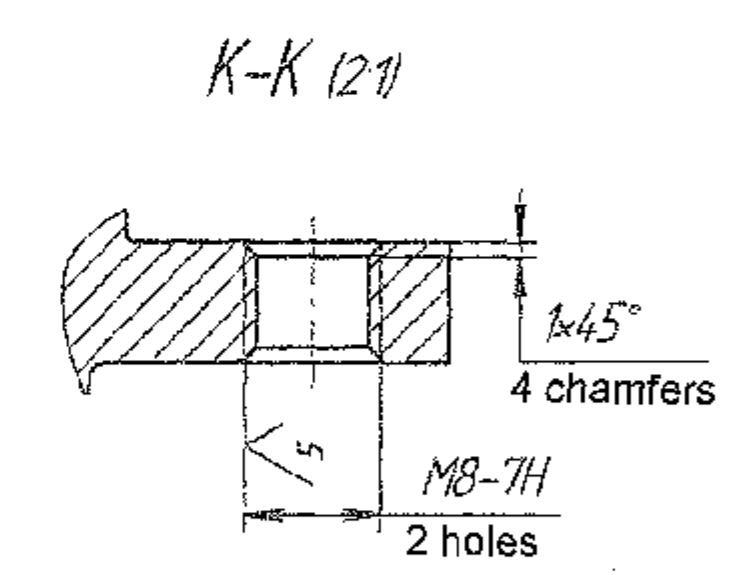
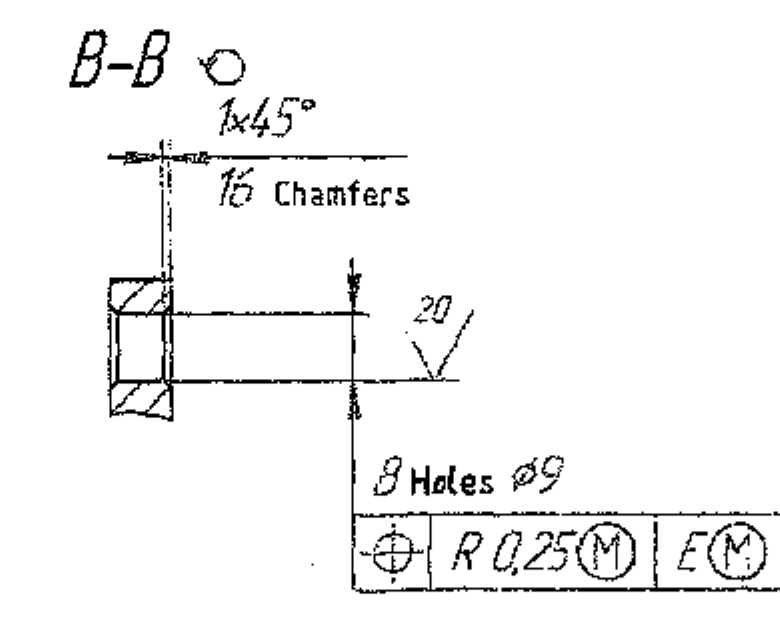
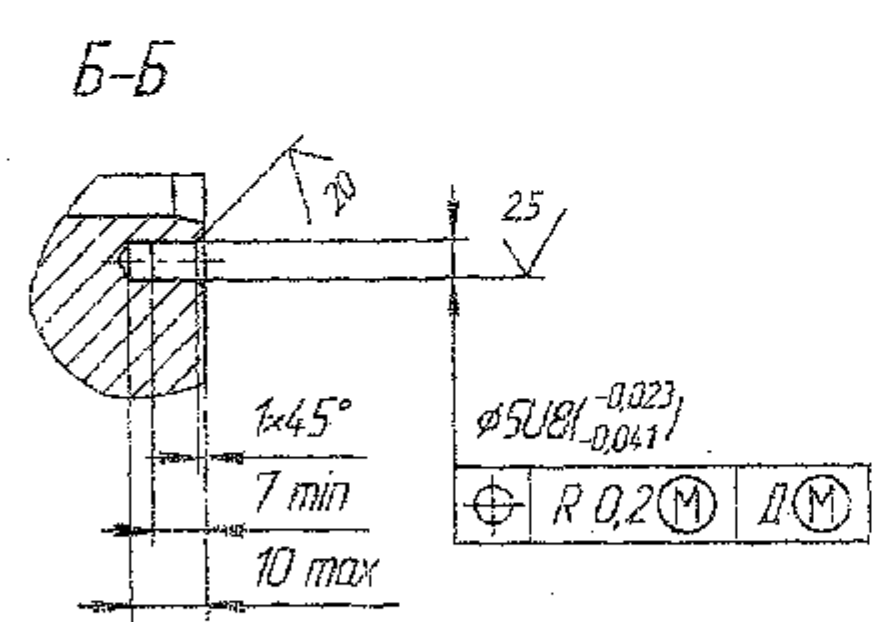
LECTURE 1

LECTURE 1

PHYSICS 311



1. Hardness  $\geq 80$  HB.
2. Requirements, provided for casting as per TTM-65-78.
3. Draft angle  $2^\circ$  max.
4. Unspecified casting radii is 3...5 mm.
5. Unspecified limit deviation of casting dimensions:
  - up to 100 mm  $\pm 0.10$  mm
  - above 100 mm  $\pm 0.15$  mm
  - casting radii up to 10 mm  $\pm 0.15$  mm
  - thickness of wall  $\pm 0.10$  mm
  - dimensions, obtained by machining H14, h14,  $\pm 0.15$
6. Technical requirements for thread as per standard 82021-00.
7. Coating of un-machined surfaces: bakelite varnish ЛБС-1 as per ИЛ-665-86.
8. Test internal cavity for leakage with air pressure 0.1...0.2 Mpa ( $1...2$  kgf/cm $^2$ ) in water bath. Allowance of air is not permitted.
9. \* Dimensions are ensured by tool.
10. Do not bakelite during manufacturing in metallic form.
11. Mark the grade of material as per GOST 2171-90. Letter size 10-Пp3 GOST 26.008-85. It is permitted to mark by impact method.



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

EST. WT. (kg) 3.0 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 OUTSIDE R INSIDE EQUIVALENT CHAMFERS ARE PERMISSIBLE.

DRN	2.1.6.1	MATERIAL	AK74 (A/B) GOST 583-92	USED ON	Cb 3308-91
CHD	01.0002	DATE	27.2.09	CONTROLLER OF QUALITY ASSURANCE (HEAVY VEHICLES)	AVADI
APPD	01.0002	SCALE	1:1	TITLE	COVER
DATE	27.2.09	DIMENSIONS IN mm		D S CAT NUMBER	DRAWING NUMBER
		TOLERANCE ON DIMS UNLESS OTHERWISE STATED IS: 2102-69			3308-65-1
		ALL THREADS TO CONFORM TO			
ISSUE DATE		NATURE OF AMENDMENTS			

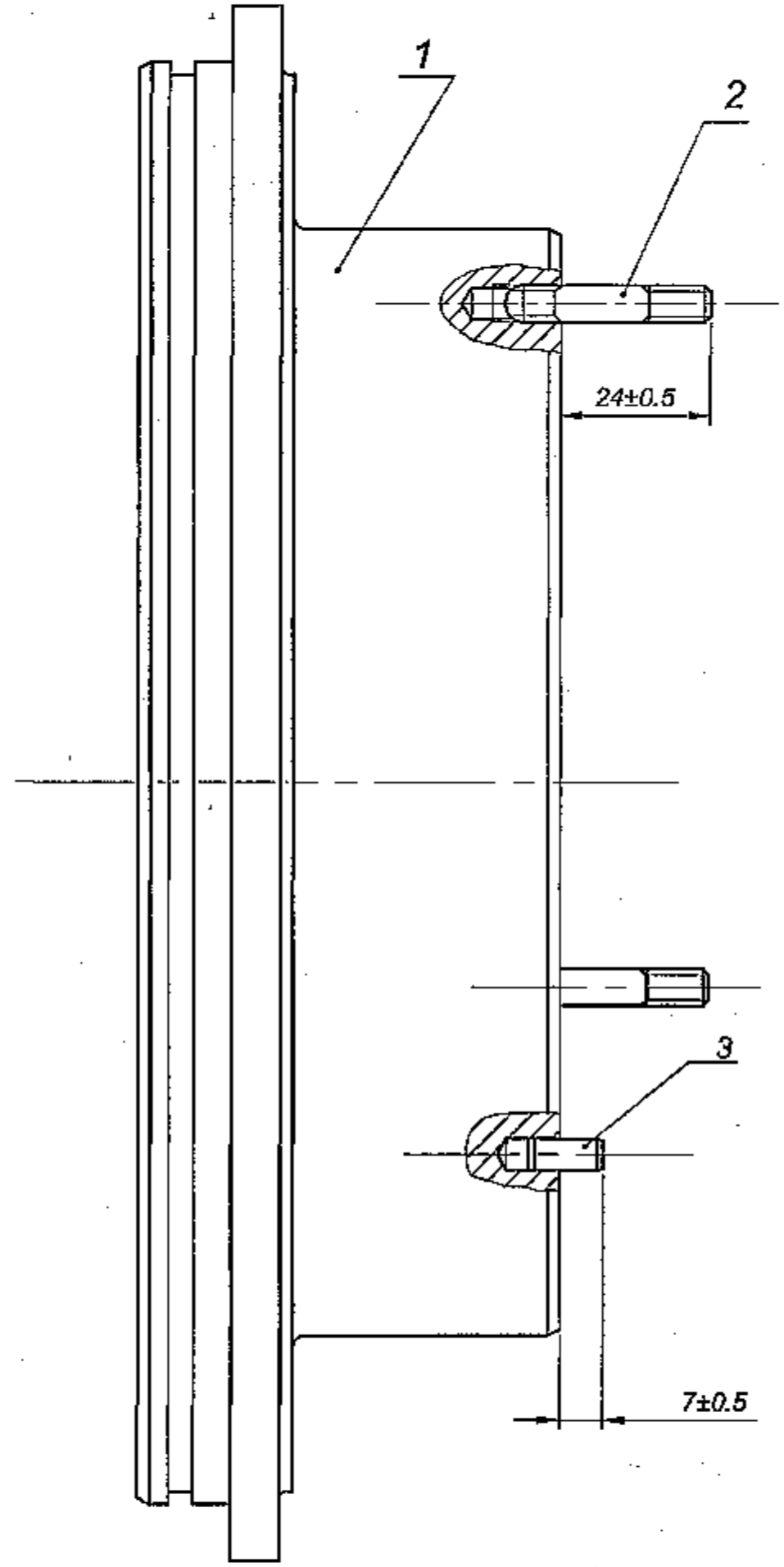
DRG. INDANISED BASED ON RUSSIAN ORIGINAL ISSUE - NI. DRAWING REPLACES 3308-65-1 ISSUE - 9 NOTN. No. 371-03 (F-158)

SIZE A2x3



DRAWING NUMBER  
**Cb.3308-91**

SHEET No. 1 OF 1



DRG. INDIANISED BASED ON RUSSIAN ORIGINAL ISSUE - 6

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

EST. WT. (Kg) 2.85	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	<i>sh</i>	MATERIAL :-	USED ON :- Cb 3308 -15-2
CHD	<i>sh</i>		
APPD	<i>sh</i>	CONTROLLERATE OF QUALITY ASSURANCE (HEAVY VEHICLES) AVADI	
DATE	01/31/87		
SCALE:- 1:1		TITLE :- <b>COVER ASSY.</b>	DRAWING NUMBER <b>Cb.3308-91</b>
DIMENSIONS IN mm			
TOLERANCE ON DIMNS UNLESS OTHERWISE STATED IS : 2102-69		D S CAT NUMBER	
ALL THREADS TO CONFORM TO			
ISSUE	DATE	NATURE OF AMENDMENTS	

F-3  
125  
166  
SIZE A2





USED ON

ITEM No.

DRAWING NUMBER

D S CAT NUMBER

DESCRIPTION

QTY

REMARKS

Cb 3308-15-2

Cb.3308-91

COVER ASSY

ITEM LIST

1

3308-65-1

COVER

1

2

350-05

STUD M6x35

3

TROPICAL MAKE

3

352-31

PIN 5h6x14

1

ML CREATED BASED ON RUSSIAN ORIGINAL ISSUE -- 6

ISSUE

DATE

NATURE OF AMENDMENTS

ISSUE

DATE

NATURE OF AMENDMENTS

F-3

124/166

DRN

*[Signature]*

CONTROLLERATE OF QUALITY ASSURANCE (HEAVY VEHICLES) AVADI.

CHD

*[Signature]*

TITLE :

COVER ASSY

APPD

*[Signature]*

DATE

14-5-07

SHT. NO. 1 OF 1

D S CAT NUMBER

ITEM LIST FOR

Cb.3308-91