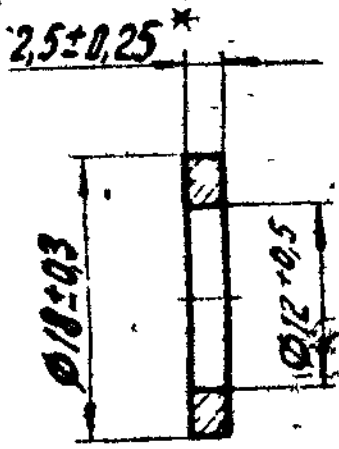




20-27



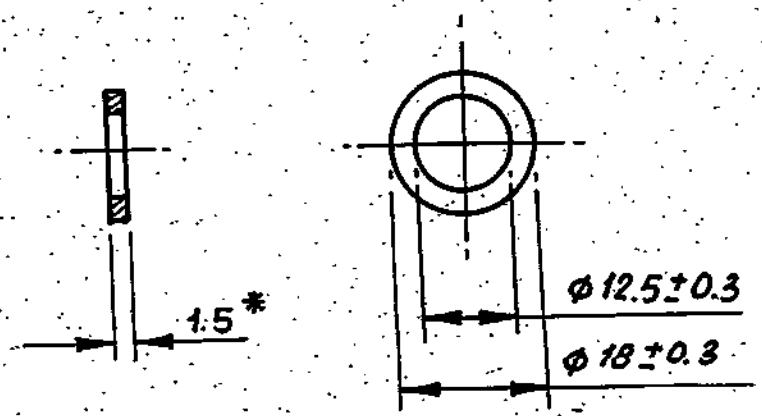
1. DIMENSIONS ARE PROVIDED WITH TOOLS
2. * DIMENSION IS GIVEN FOR REFERENCE

* CB 327-00-45

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

		EST MASS	TO BE STAMPED OR MARKED WHERE INDICATED THIS #
		0 0004 Kg	LETTERS
		ALL SHARP EDGES AND CORNERS TO BE REMOVED UNLESS OTHERWISE STATED MACHINED CORNERS TO HAVE R OUTSIDE R INSIDE EQUIVALENT CHAMFERS ARE PERMISSIBLE	
ISSUE	DATE	NATURE OF AMENDMENTS	MATERIAL - FIBRE ØT / USED ON - CB 3327-1-2
DRN		SCALE - 2 : 1	* CB 327-07-1
CHD		DIMENSIONS IN	CONTROLLERATE OF INSPECTION (HEAVY VEHICLES) AVADI
TCR		TOLERANCE ON DIMMS UNLESS OTHERWISE STATED	GASKET 2.5 mm or 1.5 mm DRAWING NUMBER 329-31A
APPD		ALL THREADS CONFORM TO	
DATE	24.04.87		D S CAT NUMBER

DRAWING NUMBER
340-183



- ALTERNATE MATERIAL IS BINDERS BOARD 1.5 TO 3mm THICK, GOST 7950-77, CALIBRATED BOARD 1.5 TO 3mm THICK, GOST 1933-73 OR GASKET BOARD A 1.5 GOST 9347-74
- * DIMENSIONS ARE GIVEN FOR REFERENCE.

EXPLANATORY NOTE:

MATERIAL QUOTED : E 1.5 GOST 9347-74
E = GRADE OF CARD BOARD MATERIAL (UNIMPREGNATED)
1.5 = THICKNESS OF CARD BOARD

TECHNICAL PARAMETER :

- ABSORPTIVITY, AFTER 6 HOURS OF COMPLETE IMMERSION IN WATER % = 60 (MAX)
- ULTIMATE TENSILE STRENGTH IN TRANSVERSE DIRECTION, $\text{kgf/mm}^2 = 1.4$ (MIN)
- LINEAR DEFORMATION IN TRANSVERSE DIRECTION AFTER HOLDING THE SAMPLE IN HYDROSTAT FOR 24 HOURS % = 0.8 (MAX)
- MOISTURE CONTENT % = 12 ± 2
- COMPRESSIBILITY UNDER A LOAD OF 70 kgf/cm^2 % = 12-25
- ELASTIC DEFORMATION AFTER REMOVING THE LOAD % = 45 (MIN)

EXPLANATORY NOTE ADDED ON 18-6-92

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

EST. WT. 0.003 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 OUT SIDE R INSIDE EQUIVALENT CHAMFERS ARE PERMISSIBLE.

DRN	<i>[Signature]</i>	MATERIAL:- E 1.5	USED ON
CHD	<i>[Signature]</i>	GOST 9347-74	C6327-07-2
TEC	<i>[Signature]</i>		
APPD	<i>[Signature]</i>		
DATE	24-4-87	CONTROLLERATE OF QUALITY ASSURANCE (HEAVY VEHICLES) AVADI.	
SCALE:-	1:1		
DIMENSIONS IN mm			TITLE
TOLERANCE ON DIMNS UNLESS OTHERWISE STATED IS : 2102-69.			GASKET
ALL THREADS TO CONFORM TO		D. S. CAT NUMBER	DRAWING NUMBER
			340-183
ISSUE	DATE	NATURE OF AMENDMENTS	



SIZE A3

QTY REMARKS

C5 327-07-1

PUMP ELEMENT ASSY
PARTS

1 327 - 57 - 1

PLUNGER

1

2 327 - 58 - 1

PLUNGER BARREL

1

3 340 - 183 ✓ OR
329 - 31A ✓

GASKET

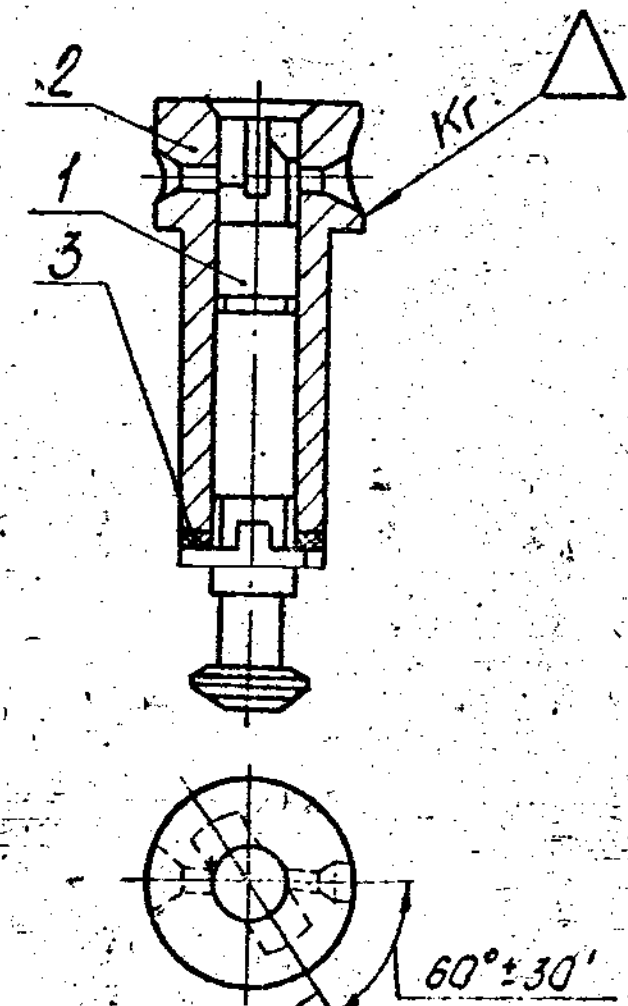
1

ISSUE DATE	NATURE OF AMENDMENTS	ISSUE DATE	NATURE OF AMENDMENTS
05-08-87	SHT No 20-2	05-20-87	4
CHD	CONTROL	DATE OF INSPECTION	AS AVAILABLE
TCD	TITLE		
APP	ITEM LIST NO		
DATE 7-05-87	SHT No 20-2		

PUMP ELEMENT ASSY

C5 327-07-1

CB327-07-1



PLUNGER TO BE AXIS WHEN PERFORMING CHECK AS PER ITEM 5

1. COMPOUND-LAPPED PARTS, i.e., PLUNGER AND PLUNGER BARREL COMPRISE A PRECISION PAIR, IN WHICH REPLACEMENT OF ONE PART WITH A SIMILAR PART FROM SOME OTHER PRECISION PAIR IS NOT PERMITTED.
2. DIAMETER OF THE HOLE OF THE COMPOUND-LAPPED PLUNGER BARREL SHOULD BE 10 ± 0.1 mm.
3. THERE SHOULD NOT BE NICKS AND CRACKS ON THE EDGES AND CHIPPED EDGES ON THE COMPOUND-LAPPED SURFACES OF THE PARTS OF THE PRECISION PAIR ARE NOT ALLOWED. COMPOUND-LAPPED SURFACES SHOULD HAVE UNIFORM LUSTER OVER THE ENTIRE SURFACE. TRACES OF GRINDING ARE NOT ALLOWED. MINUTE SCRATCHES, HARDLY VISIBLE TO THE NAKED EYE ARE PERMITTED. FINISH OF THE COMPOUND-LAPPED SURFACES SHOULD NOT BE WORSE THAN STANDARD. THE SURFACE MAY HAVE NON-UNIFORM LUSTER IN THE LOWER PART OF THE PLUNGER (NOT ABOVE OIL GROOVE).
4. THE PLUNGER PRELIMINARILY WASHED TOGETHER WITH THE PLUNGER BARREL IN DIESEL FUEL, SHOULD SMOOTHLY DESCEND DOWN TO THE STOP BY GRAVITY WHEN IT MOVES OUT OF THE BARREL IN THE VERTICAL POSITION BY 40 TO 50 mm. CHECK IN DIFFERENT POSITIONS AGAINST THE ANGLE OF TURN OF THE PLUNGER IN THE BARREL WHEN THE PLUNGER MOVES IN THE BARREL, NO LOCAL RESISTANCES STOPAGES AND BUILDING IN ANY POSITION OVER THE ENTIRE LENGTH AND ANGLE OF TURN ARE NOT PERMITTED.
5. USE THE TEST SET MADE IN COMPLIANCE WITH DRAWING BC 5071 TO PERFORM CLOSE FIT CHECK AGAINST STANDARD PRECISION PAIRS AS SPECIFIED IN INSTRUCTIONS UB 46-1 BY USING MIXTURE OF OIL AND DIESEL FUEL, HAVING ENGLER VISCOSITY OF 1.9 ± 0.1 AT TEMPERATURE OF 50°C . MIX THE MIXTURE PROPERLY BEFORE FILLING THE TANK. SURFACES OF PLUNGER AND BARREL SHOULD BE KEPT FREE FROM PETROLEUM AND GREASE OF OTHER GRADES.

THE WEIGHT OF THE TEST SET SHOULD CREATE A PRESSURE OF 29.5 ± 0.5 MPA (300 ± 5 Kg/cm²) IN THE PLUNGER BARREL. WASH THE PRECISION PAIR THOROUGHLY IN FILTERED DIESEL FUEL BEFORE THE TEST.

THE PRECISION PAIR IS CONSIDERED TO BE FIT FOR SERVICE AS PER CLOSE FIT IN THAT CASE WHEN THE WEIGHT DROPS FOR THE TIME BEING WITH THE STANDARD READING LIMITS.

NOTE: BEFORE TAKING THE FIRST MEASUREMENTS, IT IS NECESSARY TO SLIGHTLY PRESS THE END CAP OF THE PLUNGER BARREL AND FORCE FUEL OUT OF THE BARREL BY LOWERING THE WEIGHT BY HAND, THIS DONE, RELEASE THE PLUNGER BARREL, BRING UP THE WEIGHT, SINK THE PLUNGER AND TAKE THE FIRST MEASUREMENT.

6. INSTALL PART 340-183 OR 329-31A (REF. NO. 3) TO PREVENT THE UPPER EDGE OF THE PLUNGER FROM CRUSHING IN STORAGE, TRANSPORTATION AND WHEN DELIVERED AS SPARE-PARTS.

REMOVE GASKETS BEFORE INSTALLING THE PRECISION PAIR ON TO THE PUMP.

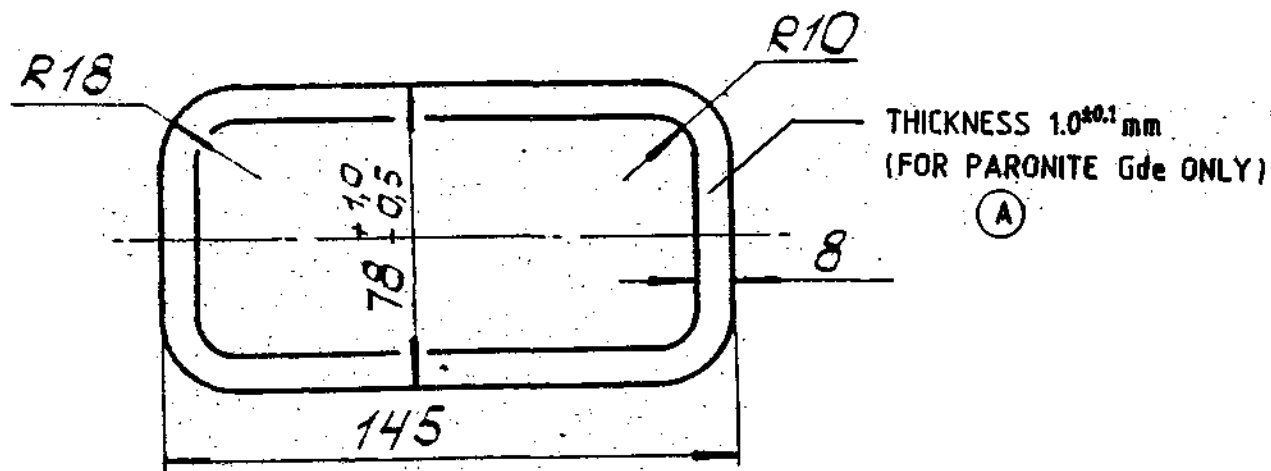
7. PRESERVATION AND STORAGE OF PRECISION PAIR SHOULD BE AS PER MANUFACTURER'S INSTRUCTIONS DEPENDING UPON THE STORAGE LIFE.

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

		EST. MASS 0,140 Kg	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 P. INSIDE EQUIVALENT CHAMFERS ARE PERMISSIBLE	
ISSUE DATE	NATURE OF AMENDMENTS	MATERIAL -	USED ON - CB 20-27-00-4
DRN	SCALE - 1 : 1	CONTROLLERATE OF INSPECTION (HEAVY VEHICLES) AVADI	
CHD	DIMENSIONS IN mm	TITLE - PUMP ELEMENT	
TCD	TOLERANCE ON DIMNS UNLESS OTHERWISE STATED	D S CAT NUMBER	DRAWING NUMBER
APPD	DATE 6/3/67	TO	CB 327-07-1



DRAWING NUMBER
20-27-64



EXPLANATORY NOTE:-

MATERIAL QUOTED: PARONITE ПГОН1 GOST 481-80

ПГОН1 = GRADE OF MATERIAL

TECHNICAL REQUIREMENTS:

1. WORKING MEDIUM = OIL DIESEL FUEL
2. LIMITING TEMP. °C (MIN) = 120
3. PRESSURE kgf/cm² = 23 (MIN)
4. DENSITY g/cm³ = 1.6 TO 2.0
5. CONVENTIONAL BREAKING POINT IN }
TRANSVERSE DIRECTION kgf/cm² } = 50 (MIN)
6. INCREASE IN WEIGHT
(a) IN WATER AT 100°C FOR 12 HOURS % = 10
(b) IN KERDSENE AT 23°C FOR 12 HOURS % = 50
7. COMPRESSIBILITY AT 350 kgf/cm² = 8 TO 20
8. RECOVERY AFTER REMOVAL OF PRESSURE = 30 (MIN)

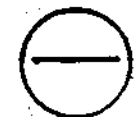
1. REQUIREMENTS PLACED UPON STAMPING ARE AS PER STANDARD 82050-16.

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

EST. WT. 0.006 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 OUT SIDE R INSIDE EQUIVALENT CHAMFERS ARE PERMISSIBLE.

DRN		MATERIAL:- PARONITE	USED ON
CHD	<i>Divin P...</i>	ПГОН1 GOST 481-80	СБ 20-27-10-1
TCD	<i>pull</i>	CONTROLLERATE OF QUALITY ASSURANCE (HEAVY VEHICLES)	
APPD	<i>ZP</i>	АВАДИ.	
DATE	24-4-87	TITLE = GASKET	
SCALE:-	1:2	D S CAT NUMBER	
DIMENSIONS IN mm		DRAWING NUMBER	
TOLERANCE ON DIMNS UNLESS OTHERWISE STATED IS : 2102-69.		20-27-64	
ALL THREADS TO CONFORM TO			
A	11.4.14	8 th ALT. COMM. Mtg MIN POINT No. 12 Dt. 20.2.14	
ISSUE	DATE	NATURE OF AMENDMENTS	

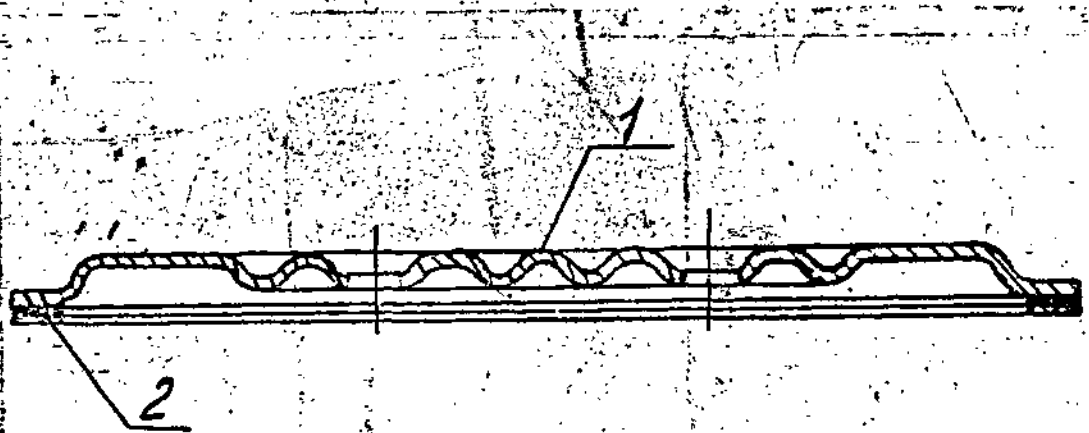


SIZE A3

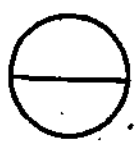


DRAWING NUMBER
CB 20-27-10-1


F
E
D
C



WITH
SECURE GASKET REF. NO. 2, VARNISH SEALANT
GOST 13489-79 OR TY 6-10-1010-70.



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

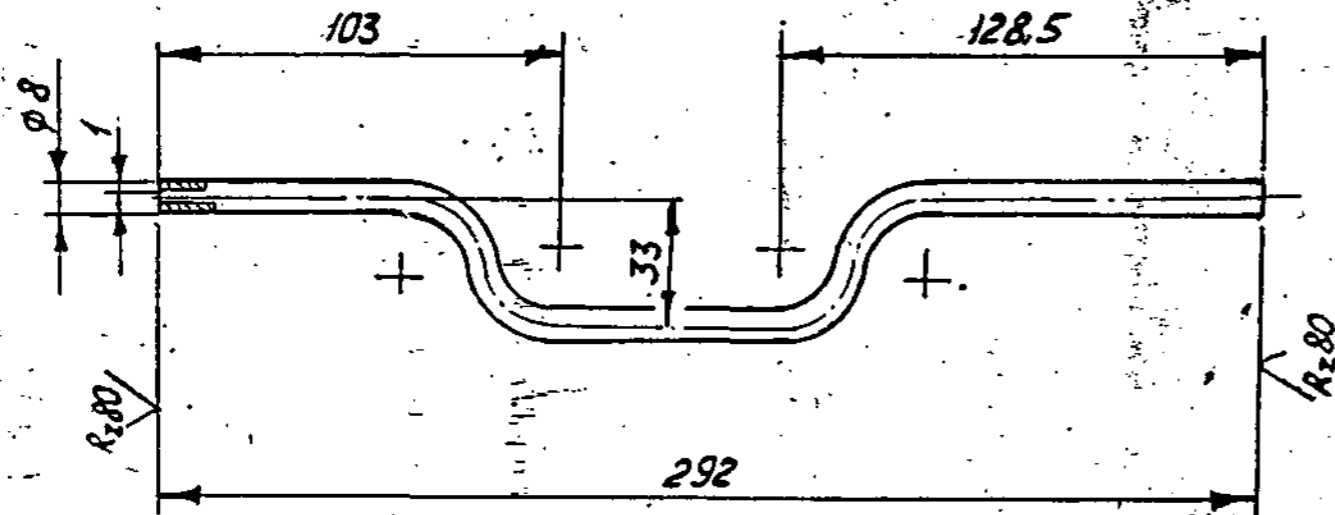
		EST. WT. 0.231 kg.	TO BE STAMPED OR MARKED WHERE INDICATED THUS # (LETTERS)
		ALL SHARP EDGES AND CORNERS TO BE REMOVED UNLESS OTHERWISE STATED MACHINED CORNERS TO HAVE R OUT- SIDE R INSIDE EQUIVALENT CHAMFERS ARE PERMISSIBLE.	
		MATERIAL:-	USED ON CB 20-27-00-4
ISSUE DATE	NATURE OF AMENDMENTS	CONTROLLERATE OF QUALITY ASSURANCE (HEAVY VEHICLES) AVADI.	
DRN <i>Gray</i>	SCALE:- 1:1		
CHD <i>Gray</i>	DIMENSIONS IN mm	 TITLE PUMP HOUSING COVER ASSY.	
TCD <i>Gray</i>	TOLERANCE ON DIMENSIONS UNLESS OTHERWISE STATED IS 2102 -69		
APPD <i>Gray</i>	ALL THREADS CONFORM TO	D S CAT NUMBER	DRAWING NUMBER CB 20-27-10-1
DATE 4-5-87			
SIZE A4			





DRAWING NUMBER
20-27-322-4

✓ (✓)



NOTES:

1. DIMENSIONS WITHOUT TOLERANCES SHOULD BE PROVIDED WITH ACCURACY OF ± 1 mm.
2. BENDING RADII ARE 20 ± 3 mm.
3. THE TOTAL LENGTH AT THE UNBENT PIPE IS APPROXIMATELY 330mm.
4. QUALITY OF THE PIPE AT POINTS OF BENDING SHOULD NOT EXCEED 0.8mm.
5. WRINKLES MAY BE FORMED ON THE INTERNAL PORTION OF THE BENDING, BUT THEIR HEIGHT SHOULD NOT EXCEED 0.5mm.

EXPLANATORY NOTE:-

MATERIAL QUOTED: 8x1 - 20 A TY 14-3-480-76.

HIGH PRESSURE SEAMLESS STEEL

20 A : GRADE OF PIPE.

8 : OUTER DIAMETER.

1 : WALL THICKNESS

CHEMICAL COMPOSITION %

CARBON = 0.15-0.25 ; SILICON = 0.17-0.37 ;

MANGANESE = 0.35-0.65.

CHROMIUM = 0.30 ; NICKEL = 0.30 ;

PHOSPHORUS = 0.035 ; SULPHUR = 0.035 } MAX

MECHANICAL PROPERTIES

ULTIMATE RUPTURE STRENGTH Kgf/mm^2 (MIN) = 40

RELATIVE ELONGATION % (MIN) = 21.

PLOT 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.

DRN		MATERIAL:- PIPE 8x1-20A	USED ON
CHD	<i>[Signature]</i>	TY 14-3-480-76	CB 20-27-17-5
TCD	<i>[Signature]</i>	CONTROLLERATE OF QUALITY ASSURANCE(HEAVY VEHICLES)	
APPD	<i>[Signature]</i>	AVADI	
DATE	4-5-87	TITLE	
SCALE:-	1:2	AIR BLEEDING PIPE	
DIMENSIONS IN mm		D S CAT NUMBER	DRAWING NUMBER
TOLERANCE ON DIMMS UNLESS OTHERWISE STATED IS:2102-69			20-27-322-4
ALL THREADS TO CONFORM TO			
ISSUE DATE	NATURE OF AMENDMENTS		



SIZE A3



DRAWING NUMBER
20-29-18

R240/
(V)

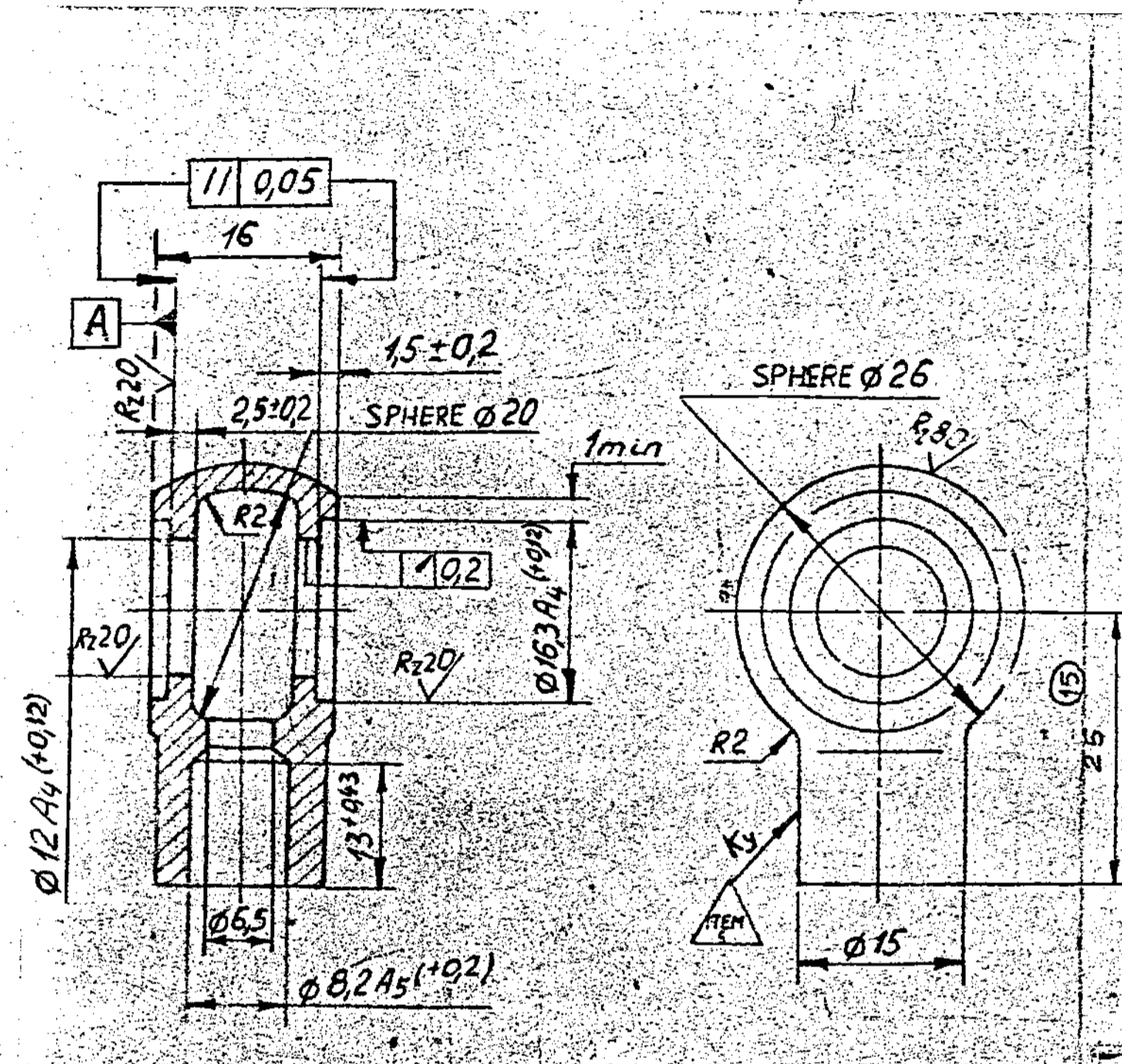
EXPLANATORY NOTE:

6. MATERIAL QUOTED: 35 GOST 1050-74.
ALTERNATE MATERIAL QUOTED:- 30 AND 40 GOST 1050-74.
30, 35 & 40 : GRADES OF STEEL.
CHEMICAL COMPOSITION:-

GRADE OF STEEL	CONTENT OF ELEMENTS %							
	C	Si	Mn	Cr	P	S	Cu	Ni
	MAXIMUM.							
30	0.27-0.35	0.17-0.37	0.50-0.80	0.25	0.035	0.040	0.25	0.25
35	0.32-0.40	0.17-0.37	0.50-0.80	0.25	0.035	0.040	0.25	0.25
40	0.37-0.45	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	YIELD POINT	ELONGATION	REDUCTION IN AREA	IMPACT STRENGTH
	kgf/mm ²	kgf/mm ²	%	%	kgf.m/cm ²
	MINIMUM				
30	50	30	21	50	8
35	54	32	20	45	7
40	58	34	19	45	6



- ALTERNATE MATERIAL IS STEEL 30, 40 AS PER GOST 1050-74.
- UNSPECIFIED LIMIT DEVIATIONS OF DIMENSIONS ARE AS FOLLOWS:
FOR HOLES - AS PER A7,
SHAFTS - AS PER B7,
OTHERS - AS PER CM7.
- TOTAL TOLERANCE FOR ALIGNMENT AND INTERSECTION OF THE AXIS OF CYLINDRICAL SHANK WITH RESPECT TO THE AXIS OF PLANES A IS 0.3mm ALONG THE LENGTH OF THE CYLINDRICAL PORTION.
- THE PARTS WHICH ARE MEANT FOR SPARE PARTS ARE CADMIUM-PLATED, 9 MICRONS, OILED.
ABSENCE OF COATING ON THE INTERNAL SURFACES IS PERMITTED.
- STAMPING ON THE TAG (PART 540-551 FOR BATCH OF PARTS AND SEALING ARE ALLOWED.

(15A)

ALTERNATE MATERIAL: STEEL 080M40 (EN 8)
TOBS: 970-PL-I-1983 OR 35 C4 TO IS 1570

- S6 20-29-00-8
- ** S6 20-20-00-10
- S6 20-20-03-7
- S6 20-27-17-5
- S6 20-22-03-7
- S6 20-35-10-12

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

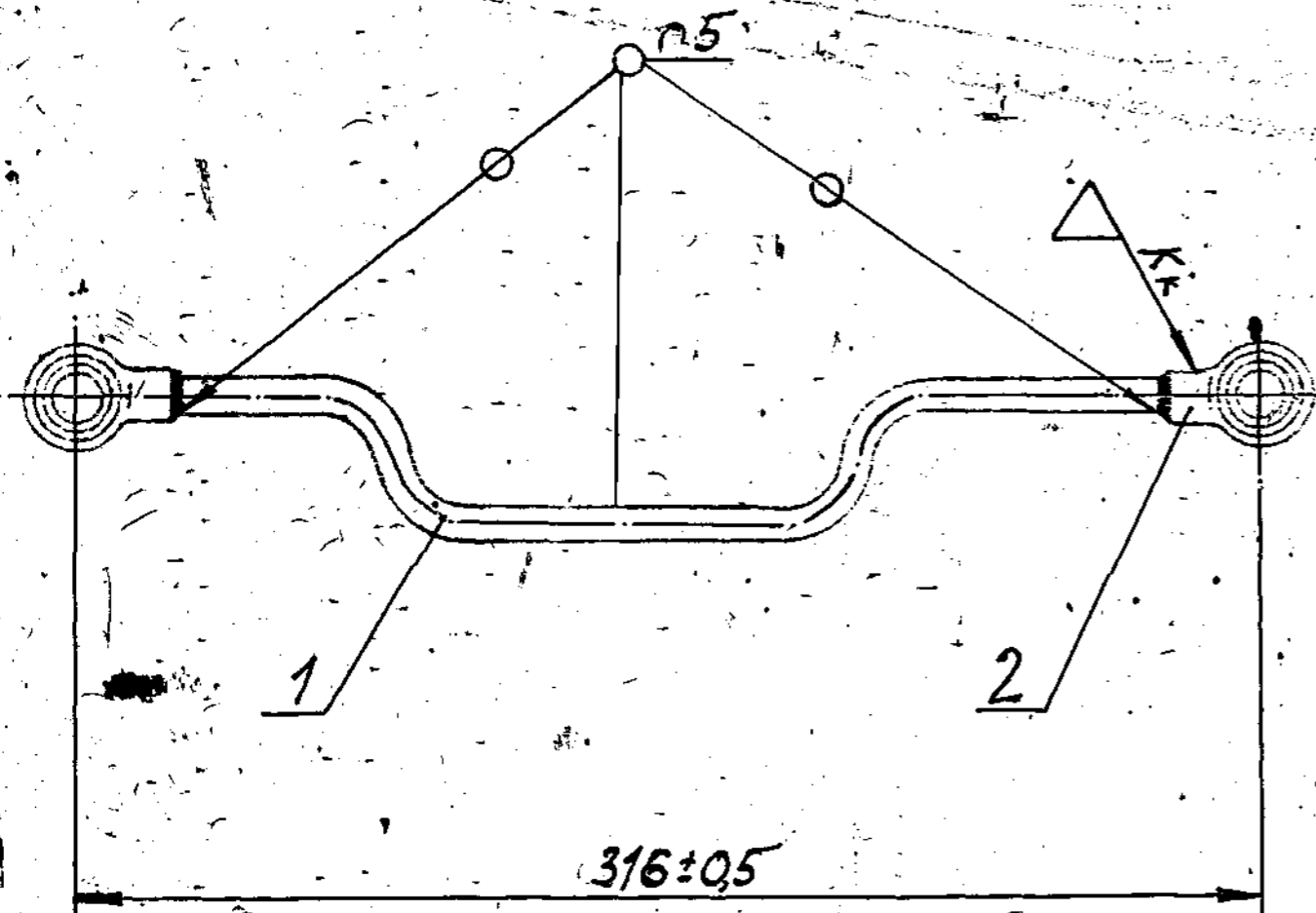
EST. WT. 0.040 kg TO BE STAMPED OR MARKED WHERE INDICATED THIS # LETTERS!
ALL SHARP EDGES AND CORNERS TO BE REMOVED UNLESS OTHERWISE STATED MACHINED CORNERS TO HAVE R OUTSIDE R INSIDE EQUIVALENT CHAMFERS ARE PERMISSIBLE.

DRN	APPROVED	MATERIAL :-	USED ON :-
CD		35 GOST 1050-74	* *
TD		CONTROLLERATE OF QUALITY ASSURANCE (HEAVY VEHICLES)	
APPD		A V A D I	
DATE	6-3-87	TITLE	
SCALE	2:1	SWIVEL ELBOW	
DIMENSIONS IN mm		D S CAT NUMBER	
TOLERANCE ON DIMS UNLESS OTHERWISE STATED IS 2102-69		DRAWING NUMBER	
ALL THREADS TO CONFORM TO		20-29-18	
ISSUE	DATE	NATURE OF AMENDMENTS	
15A	9-6-09	3 rd ALTN. COMM. MINUTES POINT 6. DATE 27-2-09	
15	25-7-69	NOTN NO. 1357-63	

SIZE A2



CS 20-27-17-5



- 1 INTERNAL DIAMETER OF THE PIPE AND BRAZED POINTS OF SWIVEL ELBOWS SHOULD BE CLEANED FROM SCALE AND RUST.
- 2 AFTER FINAL MATCHING AS PER MOCK-UP, PIPE SHOULD BE WASHED WITH FILTERED DIESEL FUEL AT AN INLET PRESSURE OF 0,1 MPa (1 kgf/cm²) FOR TWO MINUTES. WHEN THE PIPE IS WASHED, KNOCK THE PIPE TO REMOVE REMAINING SCALE.
- 3 CHECK THE PIPE FOR CLEANLINESS BY USING BENZINE (BY RINSING PIPE) AND THEN PASS BENZINE THROUGH FILTER PAPER. FILTER PAPER SHOULD BE FREE OF DEPOSIT VISIBLE TO THE NAKED EYE. CHECK 10 % OF ASSEMBLIES.
- 4 CHECK THE PIPE FOR LEAKAGE BY SUPPLYING DIESEL FUEL AT A PRESSURE OF 0,5 MPa (5 kgf/cm²) FOR 2 MINUTES. FUEL LEAKAGE IS NOT PERMITTED.
- 5 BRAZE USING BRAZING SOLDER λ 63, GOST 15527-70. BRAZED POINTS MAY HAVE SINGLE BLUNT PORES DETECTED AFTER APPLYING ZINC PLATING IF LEAK-PROOFNESS IS PROVIDED.
- 6 BEARING SURFACES OF SWIVEL ELBOWS SHOULD BE IN ONE END THE SAME PLANE.
- 7 COATING :- ZINC-PLATED, 15 MICRONS THICK, OILED. NO COATING ON INTERNAL SURFACES IS PERMITTED.

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

		EST. MASS 0,111 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	
ISSUE DATE	NATURE OF AMENDMENTS	MATERIAL :-	USED ON :- CS 20-27-00-4
DRN	SCALE :- 1:2	CONTROLLERATE OF INSPECTION (HEAVY VEHICLES) AVADI	
CHD	DIMENSIONS IN mm	TITLE :- AIR BLEEDING PIPE ASSY	
TCD	TOLERANCE ON DIMS UNLESS OTHERWISE STATED	D S CAT NUMBER	DRAWING NUMBER
APPO	ALL THREADS CONFORM TO		CS 20-27-17-5
DATE			
25-04-87			



1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities related to the business.

2. It is essential to ensure that all financial data is properly documented and organized for easy access and review.

3. The second part of the document outlines the various methods and tools used to collect and analyze financial data.

4. These methods include manual data entry, automated data collection, and the use of specialized software applications.

5. The third part of the document provides a detailed overview of the data analysis process, including the identification of trends and patterns.

6. This analysis is crucial for understanding the financial performance of the business and identifying areas for improvement.

7. The fourth part of the document discusses the importance of regular reporting and communication of financial data to stakeholders.

8. This includes providing clear and concise reports that highlight key findings and recommendations.

9. The fifth part of the document concludes by emphasizing the need for ongoing monitoring and evaluation of the financial data collection and analysis process.

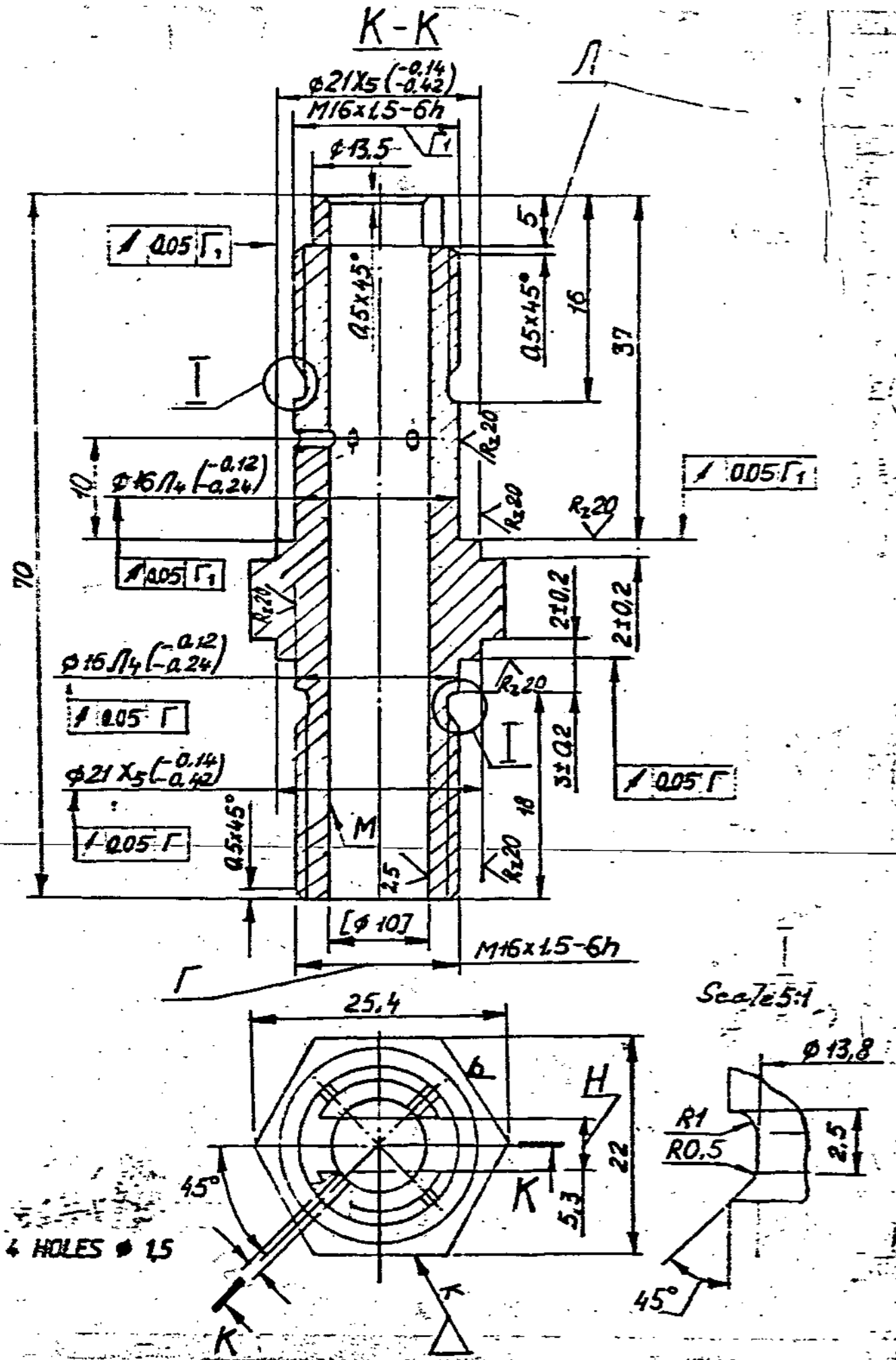
10. This ensures that the business remains financially sound and able to adapt to changing market conditions.

11. The final part of the document provides a summary of the key points discussed and offers suggestions for further research and development.

12. This includes exploring new technologies and methods for data collection and analysis, as well as staying up-to-date on industry trends and best practices.

DRAWING NUMBER
20-27-332-2

Rz40 (✓)



- 1 INSPECTION GROUP IV AS PER TECHNICAL REQUIREMENTS TT-11
- 2 H R C 33 TO 37.
- 3 UNSPECIFIED LIMIT DEVIATIONS OF DIMENSIONS ARE AS FOLLOWS :-
FOR HOLES - AS PER A7,
SHAFTS - AS PER B7,
OTHERS AS PER CM7.
- 4 BOW, BARREL, TAPER AND OVALITY OF SURFACE M SHOULD BE 0,15 mm, max.
- 5 MISALIGNMENT OF SLOT H WITH RESPECT TO THE AXIS OF SURFACE M SHOULD NOT EXCEED 0,15 mm.
- 6 CRACKS, BURRS, NOTCHES, DENTS AND OTHER MECHANICAL DAMAGE ARE NOT ALLOWED.
- 7 THREAD SHOULD BE CLEAN AND FREE FROM BURRS, STRIPPING AND DENTS.
- 8 COATING : CADMIUM-PLATED, 9 MICRONS THICK, OILED. INTERNAL SURFACES MAY HAVE NO COATING.
- 9 CHAMFER J MAY HAVE DIMENSIONS AS 1x30°.
- 10 DIMENSIONS GIVEN IN SQUARE BRACKETS SHOULD BE PROVIDED IN ASSY. 20-27-28-1.

11. EXPLANATORY NOTE :-

MATERIAL QUOTED :-

18X2H4MA (18X2H4BA) TO GOST 4543-71

CHROMIUM, NICKEL, MOLYBDENUM STEEL OF HIGH QUALITY OF GRADE 18X2H4MA (18X2H4BA)

CHEMICAL COMPOSITION :- %

CARBON	= 0,14 - 0,20
SILICON	= 0,17 - 0,25
CHROMIUM	= 1,35 - 1,65
NICKEL	= 4,00 - 4,40
MOLYBDENUM	= 0,30 - 0,40
TITANIUM	= 0,06 (MAX)
PHOSPHORUS	= 0,025 (MAX)
SULPHUR	= 0,025 (MAX)
COPPER	= 0,30 (MAX)

PHYSICAL PROPERTIES :-

YIELD POINT	= 85 Kgf/mm ² (MIN)
ULTIMATE STRENGTH	= 115 Kgf/mm ² (MIN)
RELATIVE ELONGATION	= 12 % (MIN)
RELATIVE REDUCTION ALONG CROSS - SECTION	= 50 % (MIN)
IMPACT STRENGTH	= 12 Kgf/Cm ² (MIN)

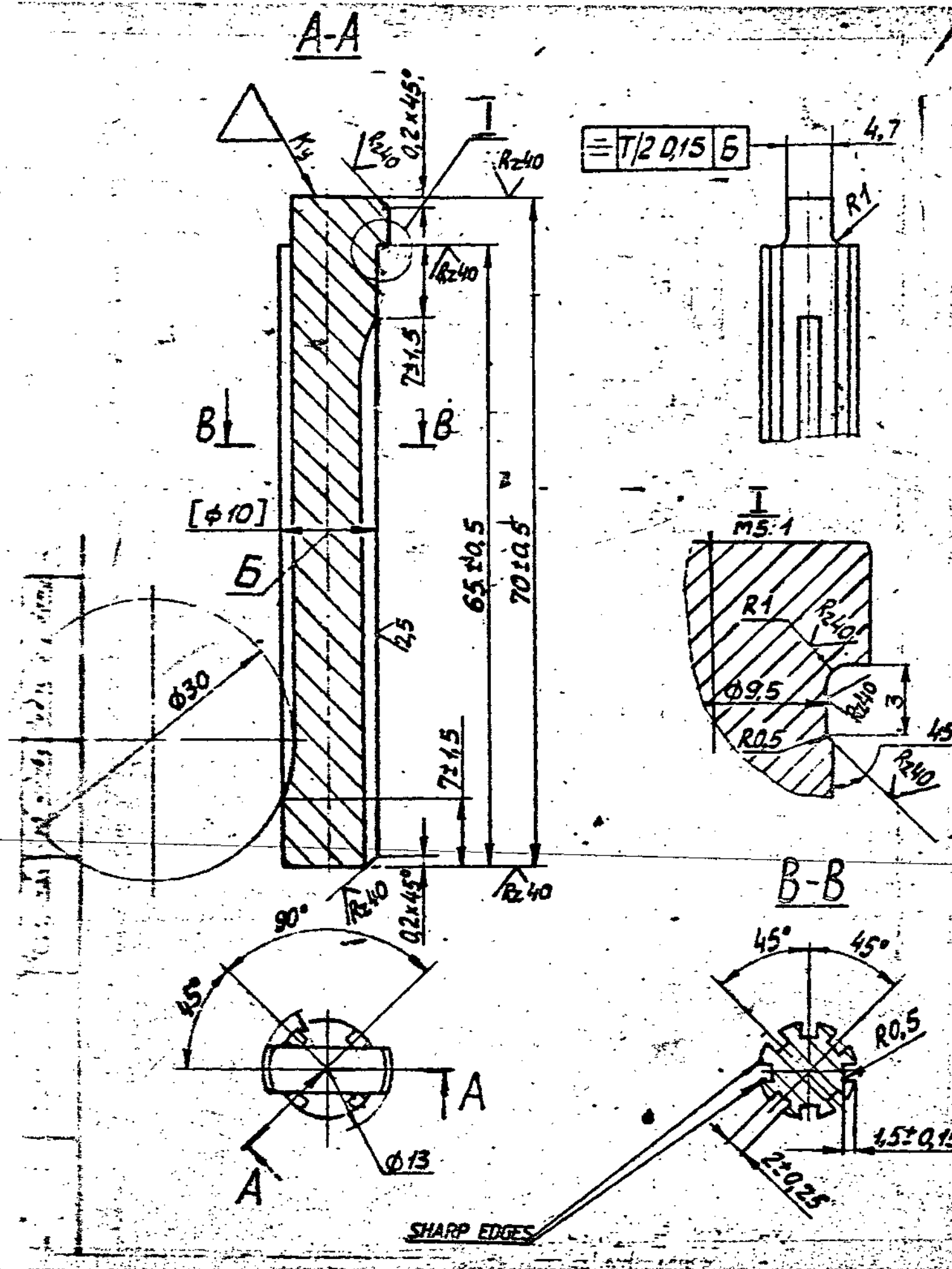
PLOT SAMPLE SHOULD BE APPROVED BY A H S P BEFORE BULK PRODUCTION.

EST. 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	G. N. N. N.	MATERIAL :- 18X2H4MA	USED ON :-
CHD		(18X2H4BA) GOST 4543-71	CB 20-27-28-1
TCD		CONTROLLERATE OF QUALITY ASSURANCE (HEAVY VEHICLES)	
APPD		A V A O I	
DATE	20-5-88	TITLE	
SCALE	2:1	FILTER BODY	
DIMENSIONS	mm.	D S CAT NUMBER	
TOLERANCE ON DIMNS	UNLESS OTHERWISE STATED IS 2102-69	DRAWING NUMBER	
ALL THREADS TO	CONFORM TO	20-27-332-2	
ISSUE	DATE	NATURE OF AMENDMENTS	





7. EXPLANATORY NOTE :-

MATERIAL QUOTED :-

18X2H4MA (18X2H4BA) TO GOST 4543-71

CHROMIUM, NICKEL, MOLYBDENUM STEEL OF HIGH QUALITY OF GRADE 18X2H4MA (18X2H4BA)

CHEMICAL COMPOSITION :- %

CARBON	=	0,14 - 0,20
SILICON	=	0,17 - 0,25
CHROMIUM	=	1,35 - 1,65
NICKEL	=	4,00 - 4,40
MOLYBDENUM	=	0,30 - 0,40
TITANIUM	=	0,06 (MAX)
PHOSPHORUS	=	0,025 (MAX)
COPPER	=	0,30 (MAX)
SULPHUR	=	0,025 (MAX)

PHYSICAL PROPERTIES :-

YIELD POINT	=	85 Kgf/mm ² (MIN)
ULTIMATE STRENGTH	=	115 Kgf/mm ² (MIN)
RELATIVE ELONGATION	=	12 % (MIN)
RELATIVE REDUCTION ALONG CROSS-SECTION	=	50 % (MIN)
IMPACT STRENGTH	=	12 Kgf/Cm ² (MIN)

1. INSPECTION GROUP IV AS PER TECHNICAL REQUIREMENTS TT-11 H R C 33 TO 37.
2. UNSPECIFIED LIMIT DEVIATIONS OF DIMENSIONS ARE AS FOLLOWS:
FOR HOLES - AS PER A7,
SHAFTS - AS PER B7,
OTHERS - AS PER C7.
3. SURFACE B SHOULD BE FREE OF DAMAGE AND BURRS.
4. CUTTING TOOL MAY CUT IN LATERAL FACE OF PROJECTION P TO A DEPTH OF 0.7 mm.
5. STAMPING BY ELECTRO-CHEMICAL METHOD IS PERMITTED.
6. PERFORM MACHINING AS PER DIMENSIONS GIVEN IN SQUARE BRACKETS IN ASSEMBLY 20 - 27 - 28 - 1

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

EST. WT. 0,043 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.

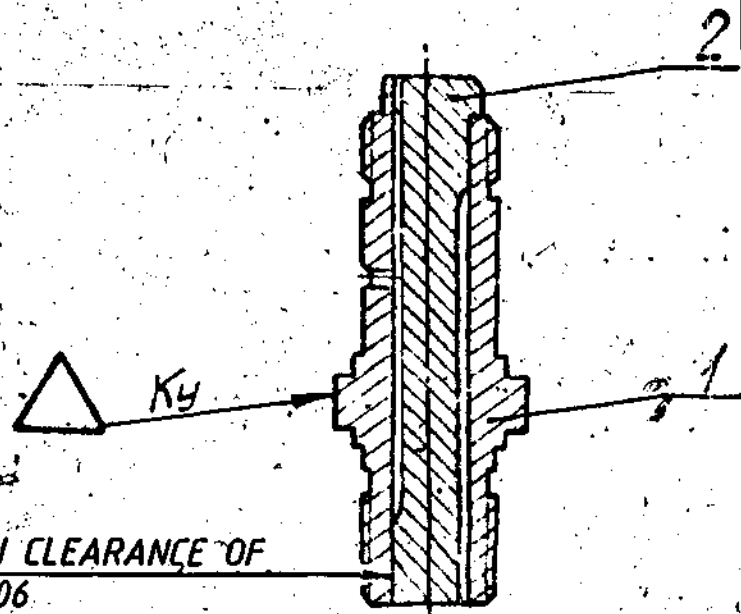
DRN	S. Raju	MATERIAL :- 18X2H4MA (18X2H4BA) GOST 4543-71	USED ON :- CB 20-27-28-1
CHD	B. Kumar	CONTROLLERATE OF QUALITY ASSURANCE (HEAVY VEHICLES) A V A D I	
TCD	A. Kumar	TITLE FILTER ELEMENT	
APPD		D S CAT NUMBER	
DATE	25-6-87	DRAWING NUMBER 20-27-334	
SCALE	2:1	ALL THREADS TO CONFORM TO	
DIMENSIONS IN mm		ISSUE DATE NATURE OF AMENDMENTS	
TOLERANCE ON DIMNS UNLESS OTHERWISE STATED IS 2102-69			

KVD No.- 66746



1-86-26-0680

Висстановлен і поді
Верно: 11.11.87



INSTALLATION CLEARANCE OF
0.03 TO 0.06

1. BEFORE ASSEMBLING ALL PARTS SHOULD BE THOROUGHLY
WASHED IN BENZINE WITH HAIR-BRUSH.

KVD NO 63401

FORMAT	ZONE	REF. NO.	DESIGNATION	DESCRIPTION	QTY	REMARKS
		2	20-27-334	FILTERING ELEMENT	1	
		1	20-27-332-2	FILTER BODY	1	
				PARTS		

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

EST. MASS 0,110 Kg	TO BE STAMPED OR MARKED WHERE INDICATED THIS (P LETTERS)
ALL SHARP EDGES AND CORNERS TO BE REMOVED UNLESS OTHERWISE STATED MACHINED CORNERS TO HAVE R OUTSIDE R INSIDE EQUIVALENT CHAMFERS ARE PERMISSIBLE	
ISSUE DATE	NATURE OF AMENDMENTS
DRN	SCALE :- 1:1
CHD [Signature]	DIMENSIONS IN mm
TCO [Signature]	TOLERANCE ON DIMNS UNLESS OTHERWISE STATED
APPD [Signature]	ALL THREADS CONFORM TO
DATE 4-5-87	
MATERIAL :-	USED ON :- C6 20-27-00-4
CONTROLLER OF INSPECTION (HEAVY VEHICLES) AVADI	
TITLE :-	FILTER
D/S C/T NUMBER	DRAWING NUMBER C6 20-27-28-1

KVD NO: 63401

