

INSPECTED	CHECKED		MBN1-00-09
CONTROLLERATE OF INSPECTION (ICV)		GASKET	WEIGHT 88 SCALE 2:1
	(45)	PLATE 254311-2 RUBBER 4326-1	SHT SMTS 99/146

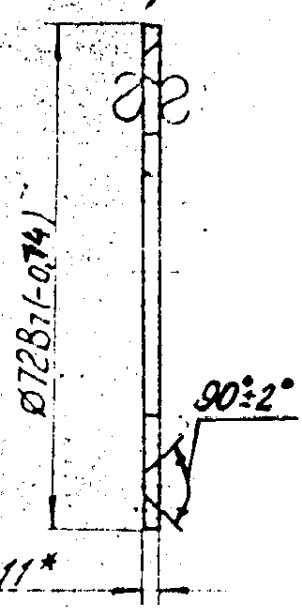
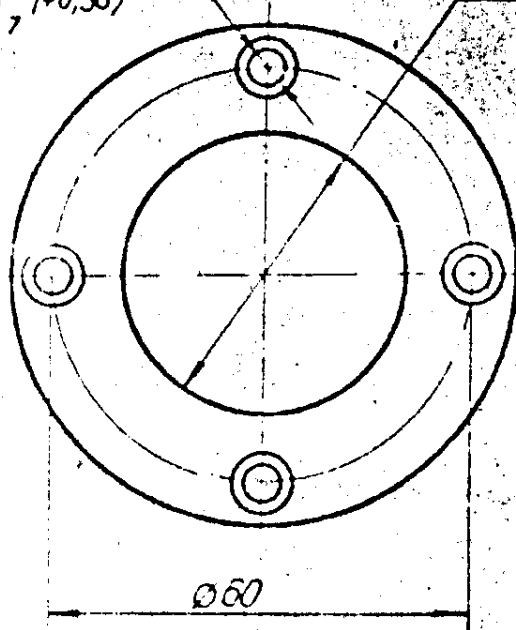
MBN1-04-03

33(V)

4 Holes
 $\phi 4.5A_7 (+0.3)$

$\phi 7.5A_7 (+0.35)$

$\phi 40A_1 (+0.52)$



1. Deviations of centres of holes from the true position should not exceed 0.2mm.

2. Coating:-Zinc-plated, 21 microns thick, chromitized. Composition of solution after chromitization is as per M-252-78.

4. Washer is made of steel 08 KnBF II A.

5. * Dimension is given for references.

(A) EQ MATERIAL : GRADE D IS 513-86

22 NOV 2004

elias
D-571

VERIFIED

29 NOV 2007

IV/m/STD-CELL

APPROVED

CHECKED

MBN1-04-03

CONTROLLERATE
 OF
 INSPECTION
 (ICV)

WASHER

WEIGHT SCALE

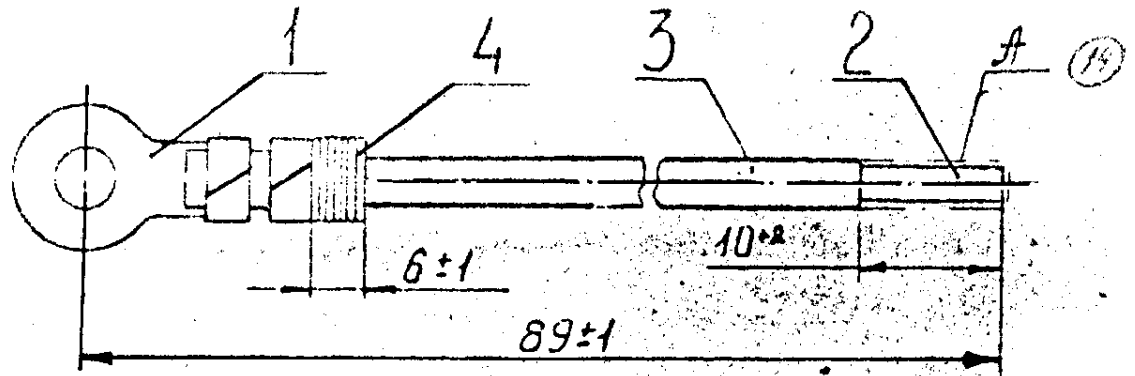
40g 1:1

SHT SHTS

Steel Sheet 51.5 GOST 19904-74
 4 II 10 GOST 16523-70

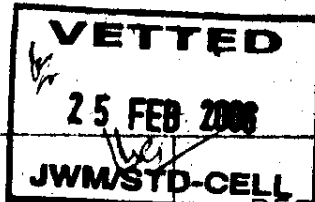
(57)

00-44-118W

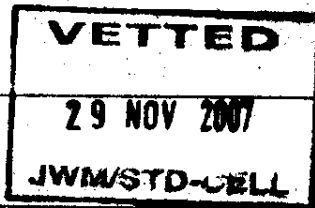


Crimp lug Ref. No. 1 and solder it with tin
03 GOST 860-75.

Coat surface A with Hot-plating, 03, GOST 860-75.



FORMAT.	ZONE.	REF. NO.	DESIGNATION.	DESCRIPTION.	QTY.	REMARKS
				<u>PARTS.</u>		
11.		1.	X7-10661.	Lug.		
				<u>MATERIALS.</u>		
		2.		Wire $\pi 1.5 \text{ A } 2.12$ GOST 16513-79.	80MM.	
		3.		Tube I TЭC-3 GOST 10699-72.	65MM.	
		4.		Thread, in 12 folds, of high strength, glossy. GOST 6309-73.	150MM.	



APPROVED	25.04.06	MBN1-14-00	
CHECKED	<i>signature</i>	LEAD	WEIGHT
CONTROLLERATE OF INSPECTION (ICV)			4.69
		SCALE	2:1
		SHT	SHTS
		59/1146	

MBN2-00-05

Az80

✓(✓)

Φ2287(-0,52)

Φ8,2A7(+0,36)

1,5-0,11 *

EQ. MATERIAL ADDED		ISSUE NATURE OF AMENDMENTS	
00804-ICV	(A)	DC C/D No	DATE
		08-2000	

1. HRC 40.....47.
2. * Dimension is given for references.
3. Coating, Chromatized, oxidised, oiled.

(A) EQ MATERIAL: 80 C6, IS: 2507-75

22 NOV 2004

VETTED

29 NOV 2007

JW.../S TD-CELL

D-571

APPROVED
CHECKED

MBN2-00-05

CONTROLLERATE
OF
INSPECTION
(ICV)

WASHER

Band Y8 A-C-1.5
TOCT 2283-79

WEIGHT SCALE

48ms 2:1

SHT SHTS

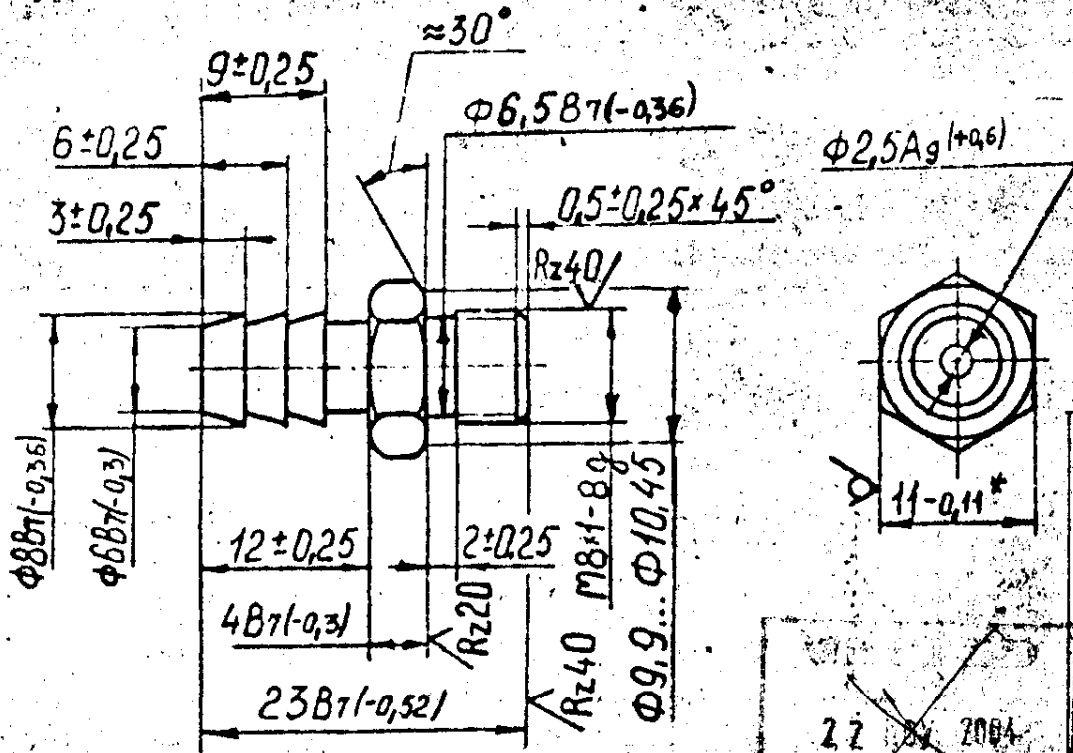
96/146

(42)

90-00-219W

Rz80

✓



1. * Dimension is given for reference.

2. Coating:-Chemically parkerized.

(A) EQ.MATERIAL: BRASS ROD GRADE 2 IS: 291-77

VETTED

29 NOV 2007

ECKM

APPROVED

M.V.A.

MBП2-00-06

CHECKED

CONTROLLERATE
OF
INSPECTION

UNION

WEIGHT

SCALE

9.7 g

2:1

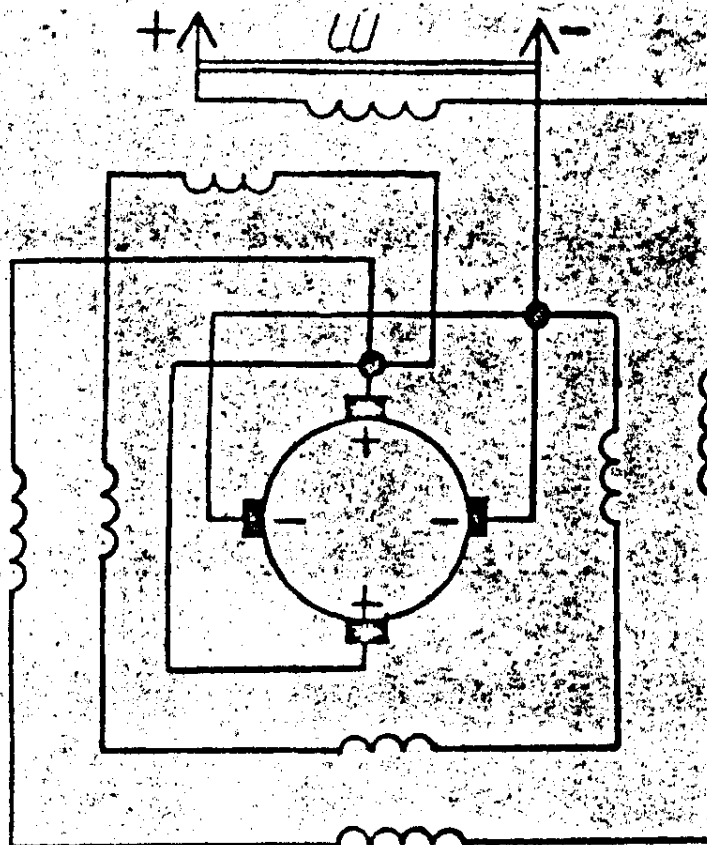
SHT

SHTS

Bar ЛС59-11W ППТ-11
ГОСТ 2060-73

97/146

MBN2-00-0133



Symbol	DESCRIPTION	QTY	REMARKS
--------	-------------	-----	---------

W	Plug WPF20n2, W6FE0.364.108 TY	1	
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D.571

312S

APPROVED

M. VASU

MBN2-00-0133

CHECKED

[Signature]

ELECTRIC MOTOR MBN-2

WEIGHT

SCALE

CONTROLLERATE
OF
INSPECTION
(ICV)

Electric schematic diagram

SHT

SHTS

43/146

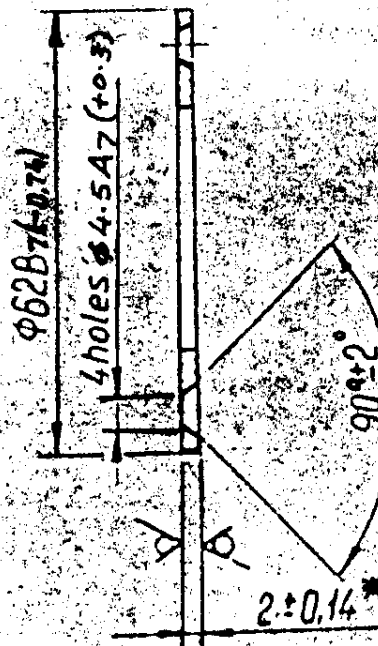
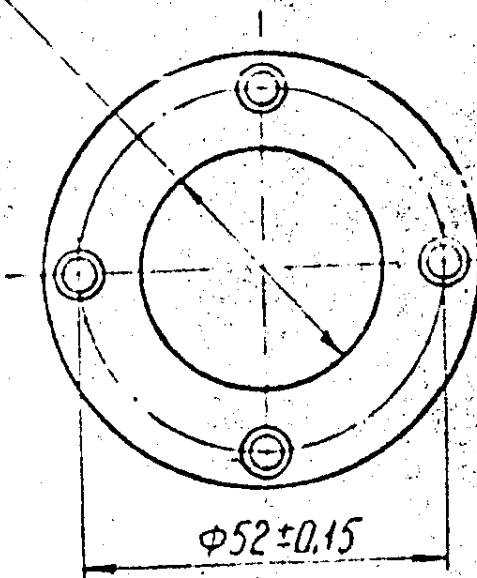
(4)

7802-1-03

Rz80

✓✓

$\phi 34A_7 (+0.62)$



1. Alternate material. A 2 GOST 19904-74.
II - BГ-08 Kn GOST9045-70.

2. * Dimension is given for references.

3. Coating: -Zinc-plated, 24 microns thick, chromated. Condition of the solution for chromatization, is as per V-252-78.

(A) EQ MATERIAL: GRADE D, IS: 513-86

05804-1CV	(A)	EQ MATERIAL ADDED.
0208-2000	ISSUE	NATURE OF AMENDMENTS.
DEC 10, 2000	DATE	

D-571

ECKD

VETTED

29 NOV 2007

JWM/STD-0211

МВП 2-01-03

APPROVED

NOTED

CONTROLLERATE
OF
INSPECTION
(CV)

(47)

WASHER

Sheet B2 ГOCT 19904-74
4 II-10 ГOCT 16523-70

WEIGHT

40g

1:1

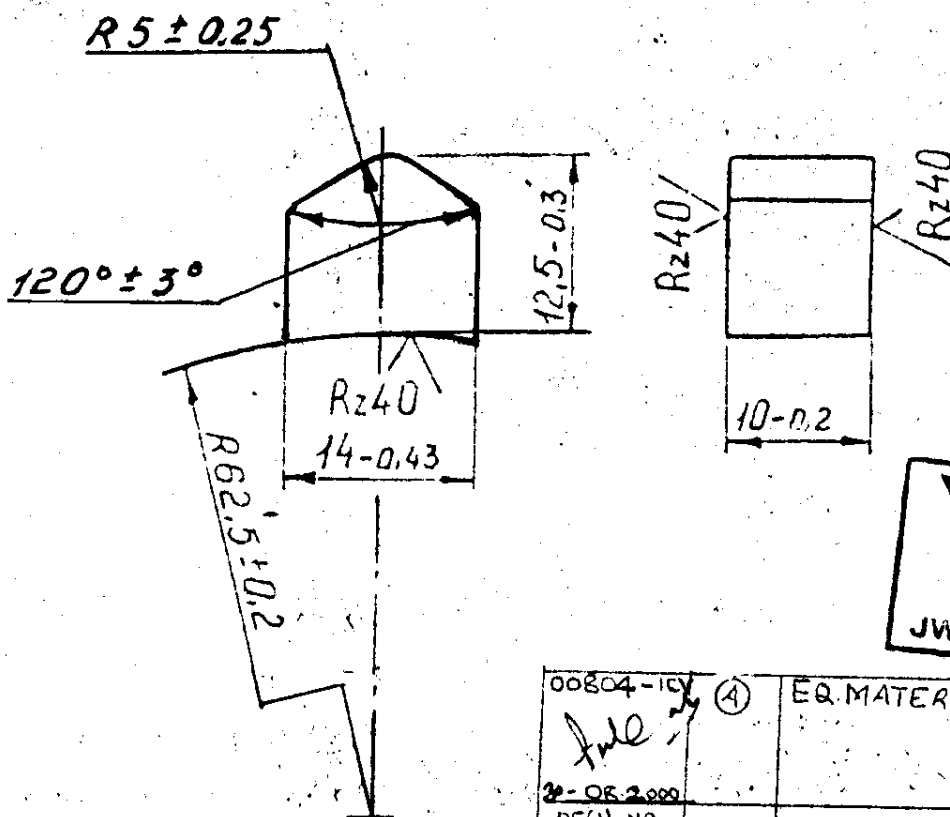
SHT

SHTS

101/146

MBN2-02-02

Rz80



VETTED
29 NOV 2007
JWN/STD-CELL

00804-104	④	EQ. MATERIAL ADDED
2-06-2000		
DC(V) NO DATE	ISSUE	NATURE OF AMENDMENTS

Blunt sharp edges with chamfering $\approx 0.5\text{mm} \times 45^\circ$

or radius $\approx 0.3\text{mm}$.

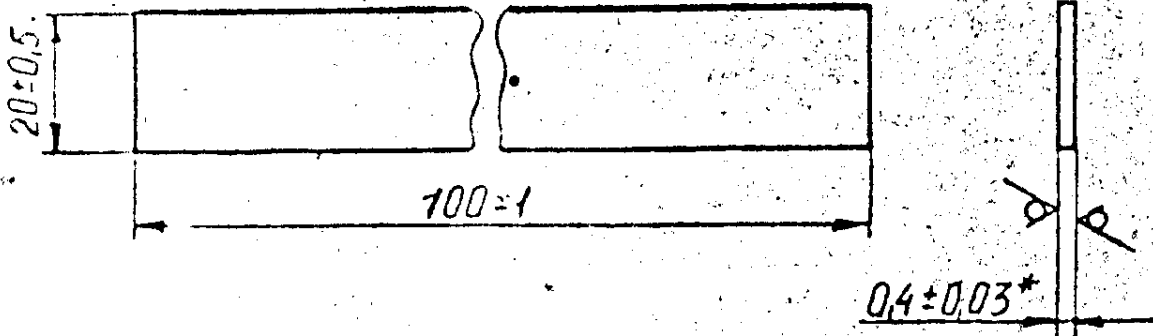
④ EQ MATERIAL: C14, C20 TO IS: 2073-70 OR
EN 1A, EN 1B - BS - 970

22 NOV 2004

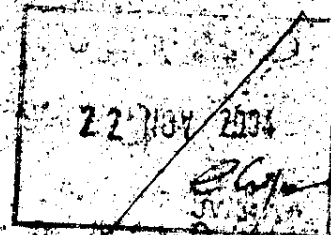
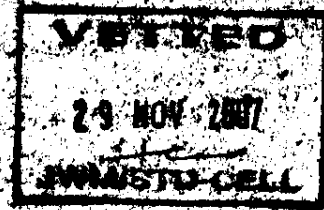
Chit
D-571

APPROVED	MBN2-02-02
CONTROL RATE	LUG
INSPECTION	Steel 15 OCT 1050-74
(52)	106/11/6

MBN2 003



* Dimension is given for references.



0125

58
D-511

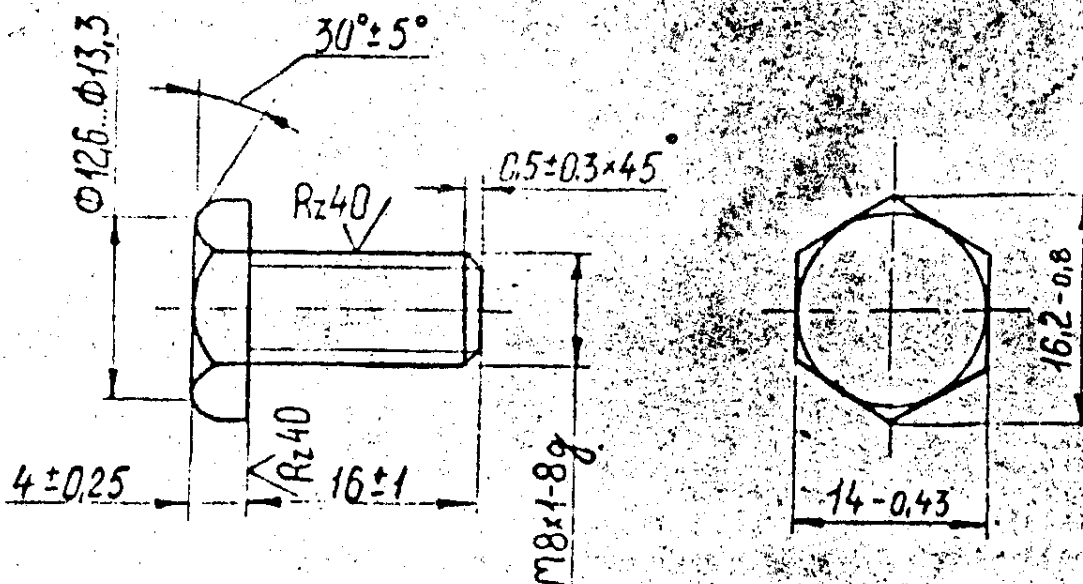
D.571

ЕСКД

APPROVED	M. V. [signature]	MBN2 003	
CHECKED	[signature]		
CONTROLLERATE OF INSPECTION (ICV) (39)		GASKET	
		Card board ЭBC 0.4 ГОСТ 2824-75	
		WEIGHT	SCALE
		72	1:1
		SHT	SHTS
		93	146

MBN 2-005

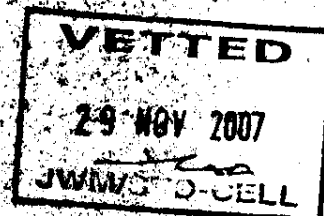
RZCU
✓(✓)



1. Alternate material is steel 10,15 GOST 1050-74.
2. Misalignment of head with respect to the axis of bar should not exceed 0,4mm.
3. Coating:-Zinc-plated 9 microns thick, chromated. Composition of the solution for chromatisation is as per VI-252-78.

4. Other Technical requirements are as per GOST 1759-70.

① EQ. MATERIAL: C10, C14 TO IS: 2073-70 OR EN 1A EN1B BS 970

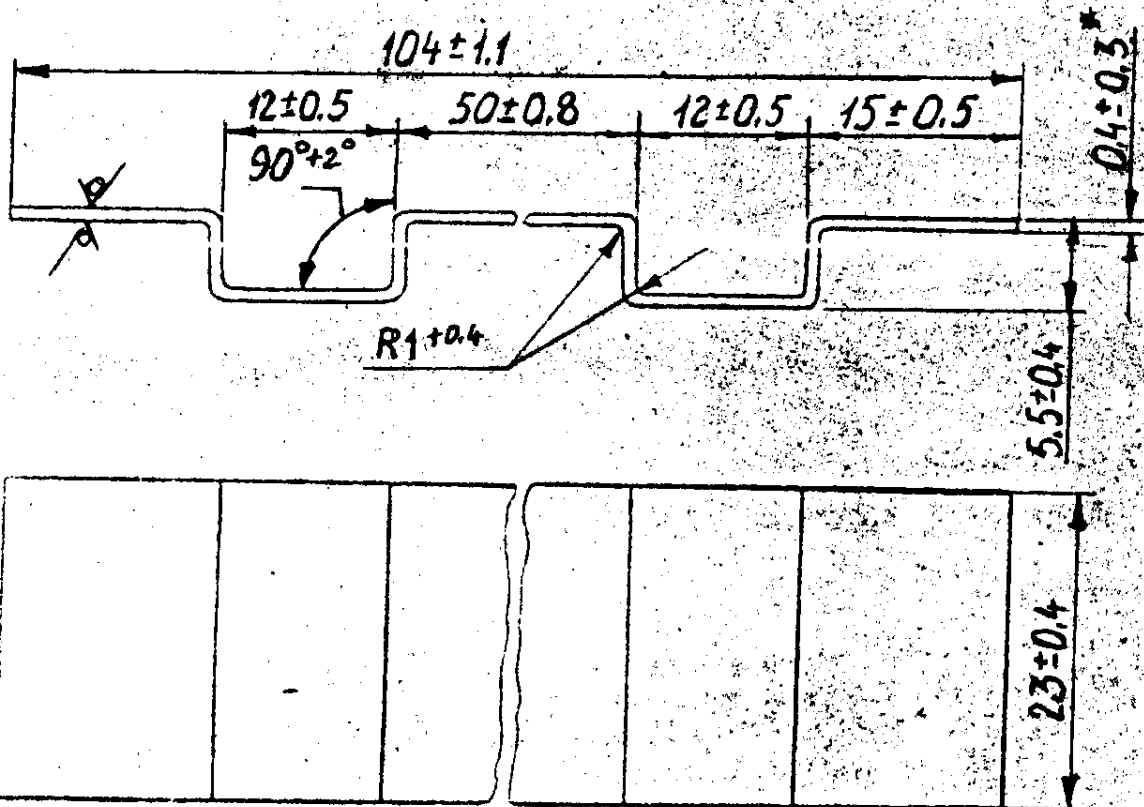


00804-1CV P-08-2000 DCUJNO DATE	① EQ. MATERIAL ADDED
ISSUE	NATURE OF AMENDMENTS

D-571

APPROVED	MBN 2-005
CHECKED	
CONTROLLERATE OF INSPECTION (IC VI) (41)	BOLT
	Steel A12 ГОСТ 1414-75
	WEIGHT 9 67 g
	SCALE 2:1
	SHT 95/146

МБЛ2.008



* Dimension is given for references.

VETTED
29 NOV 2007
JWM/GTD/CBL

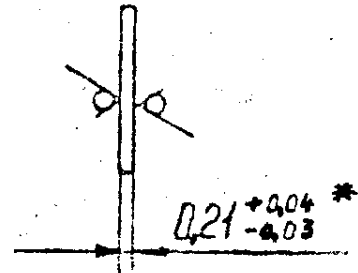
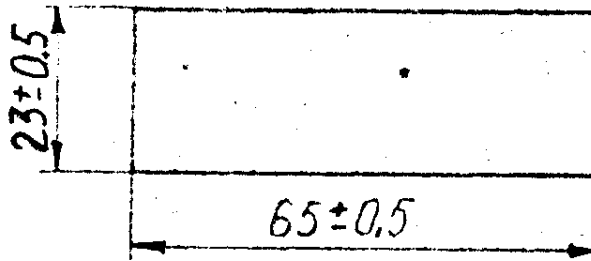
22 NOV 2004

D-571

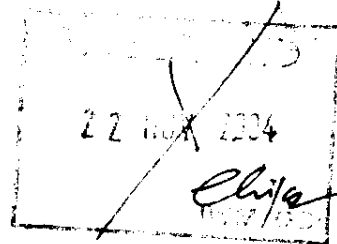
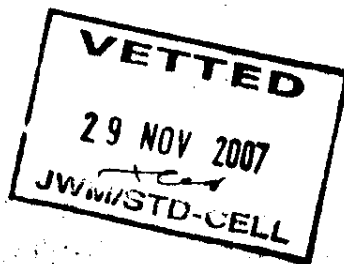
ЕСКД

	МБЛ2.008		
	GASKET	WEIGHT	SCALE
		2 g	2:1
		SUT	SHTS
(44)	card board 3BC 0.4 ГОСТ 2824-75	98/146	

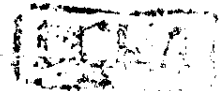
Hand-drawn



* Dimension is given for references.



D-571



MB N 2-09-01

INSULATION
OF FRONT PARTS

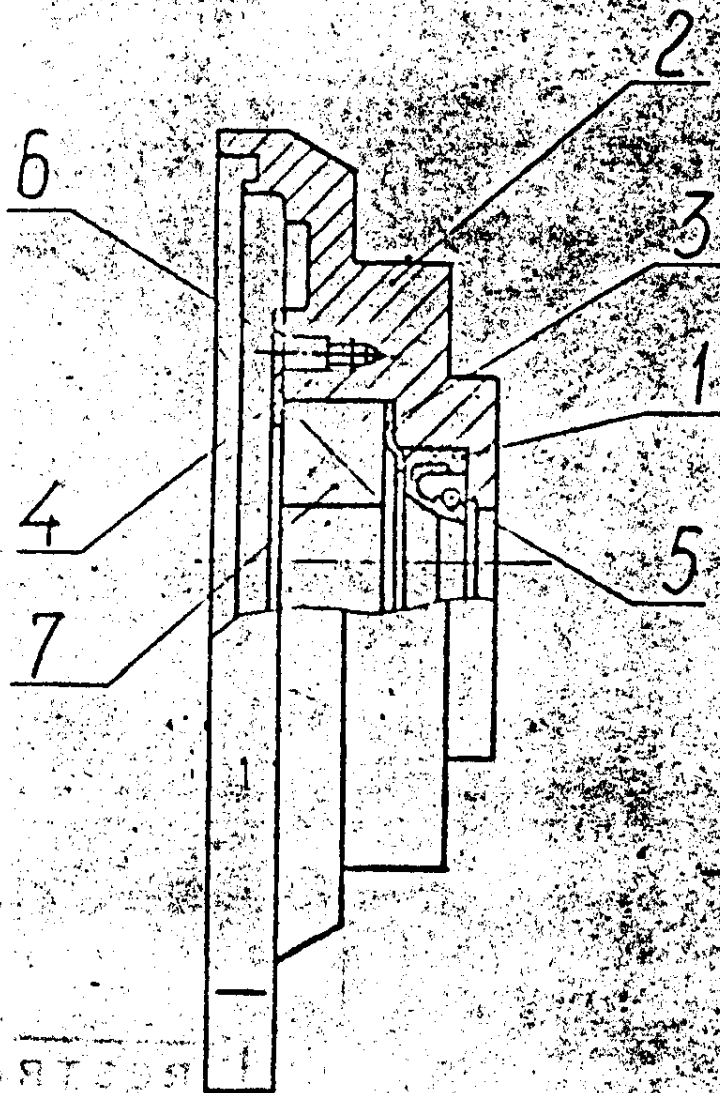
0.65g 1:1

Mica tape $\eta \phi K-TT-0-21$
GOST 4268-75

121 / 146

(67)

MBП2-11-00CB



VETTED
21 FEB 2004
APPROVED CELL

43
D.571

1. Secure screws Ref.No.6 with enamel XB-124, grey, GOST 10144-74 and coat the head of the screw with the same enamel.

2. While assembling fill the ^{sealing ring} space with grease UNATIM-201, GOST 6267-74.

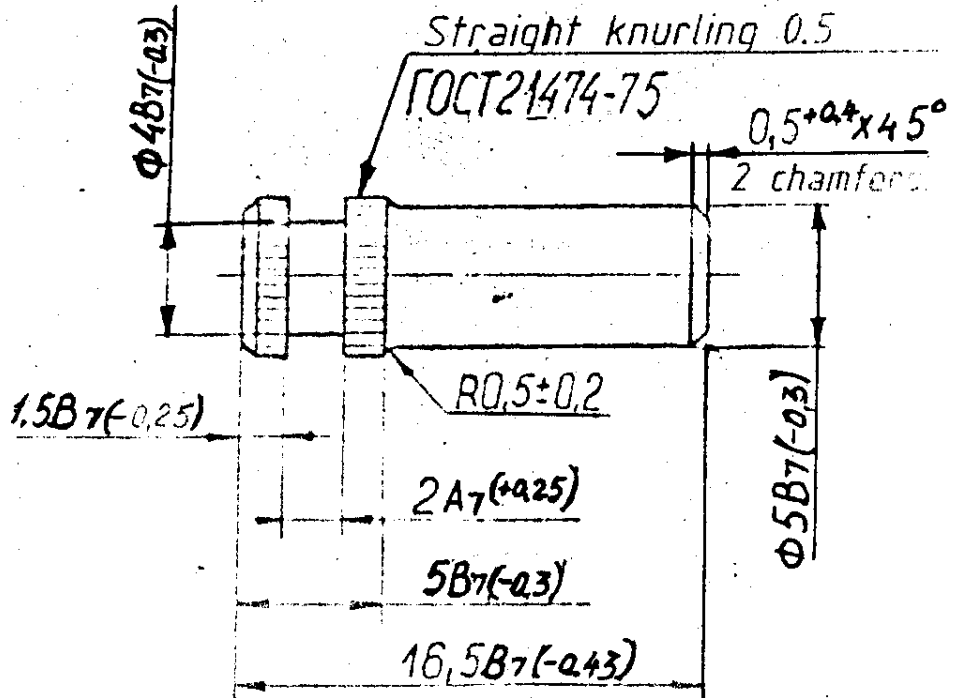
D.571

APPROVED		MBП2-11-00CB	
CHECKED	<i>MLG</i>	COVER FROM THE SIDE OF DRIVE (Assy D79)	
CONTROLLERATE OF INSPECTION (ICV) (26)		WEIGHT	SCALE
		1.4	1:1
		SHT	SHTS
		79/146	

MBП2-14-01

R200

EQ. MATERIAL ADDED	ISSUE NATURE OF AMENDMENT
00504-10 08.08.2000 DATE	



Straight knurling 0.8 , GOST 21474-75 is allowed.

EQ. MATERIAL: C10, C-14 TO IS 2073 ^{OR} EN 1A EN 1B BS-970
(2073-70)

22 Nov 2007
[Signature]

VETTED
29 NOV 2007
[Signature]
D-CELL

D-571

MBП2-14-01

AXLE

259 4:1

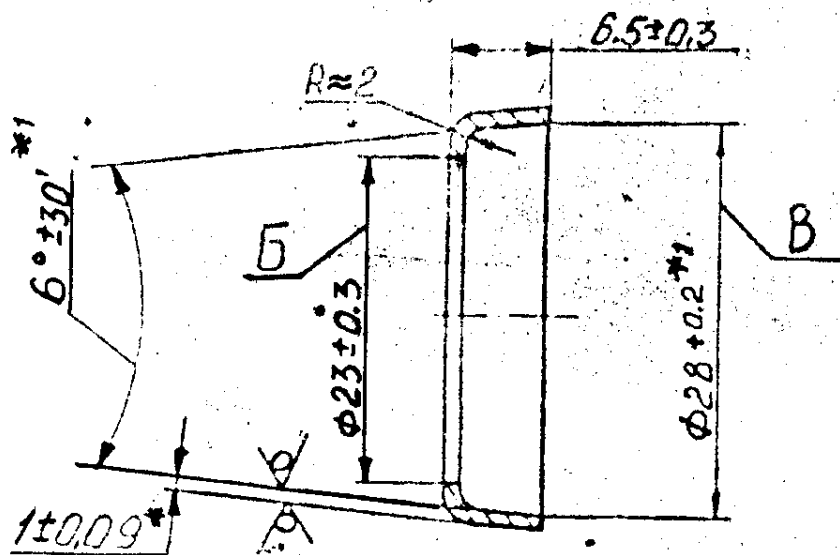
70

Steel A12, GOST 1414-75

124/140

MBN2-15-01

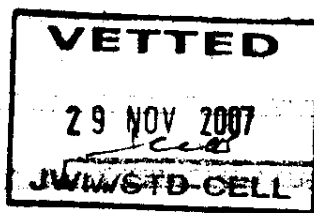
Rz80/V



EQ. MATERIAL ADDED		ISSUE	NATURE OF AMENDMENT
00804-10	④		
00804-10	00804-10	00804-10	00804-10

1. Alternate material is steel A 1 GOST 19904-74.
II - BF-08Kn GOST 9045-70.
2. * Dimension is given for references.
3. *¹ Dimension is provided with tool.
4. Misalignment of hole B with respect to hole B should not exceed 0.25mm.
5. On external surface belt due to die clamping to a depth not exceeding 0.25mm and width not exceeding 3mm is allowed.
6. Other Technical Requirements are as per Technical specification 005 216-75 (Appendix-1).

④ EQ. MATERIAL: GRADE DD, IS: 513-86



22.10.2004
93
D-571
2

MBN2-15-01

REINFORCING RING

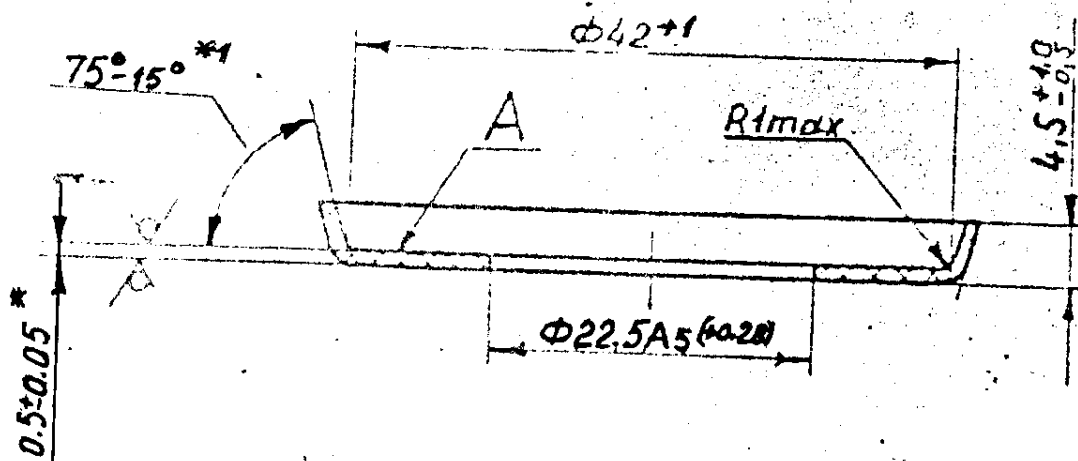
Sheet 51 GOST 19904-74
4-II-10 GOST 16523-70

125/110

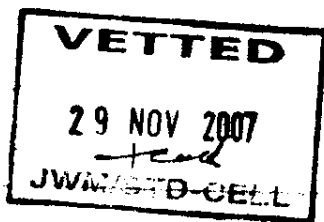
71

2:1

MBП 2-16-01



1. * Dimension is given for references.
2. * Dimension is provided with tool.
3. Breakage is not allowed.
4. Nonflatness of surface A should not exceed $3 \mu m$.
5. Foldings on the tapering surface of washer are allowed.



22

D-574

MBП 2-16-01

CONTROLERATE

WASHER

WEIGHT SCALE

148ms 2.11

SHT SHTS

126/111

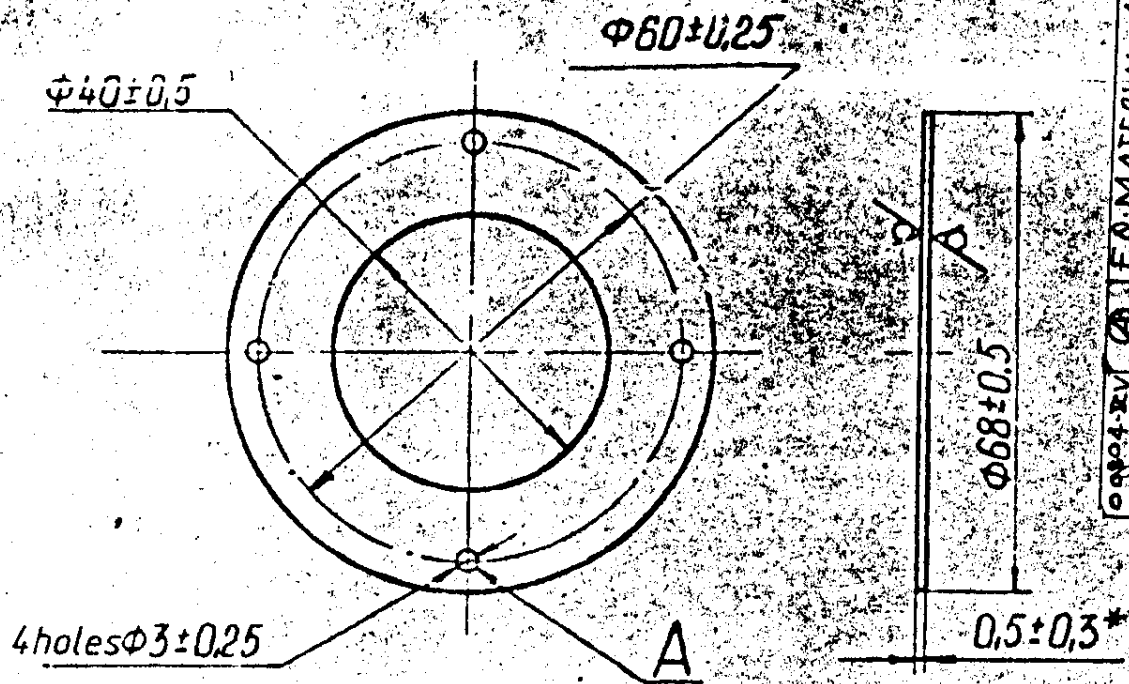
INDICATION

72

card board 3B-10.5
ГОСТ 2824-75

0214UBW

MBП2.003



EQ MATERIAL ADDED		ISSUE NATURE OF AMENDMENT	
0004-2V	0	DATE	
2-08-2000		DECISION	

1. Gasket is made of plate as per Technical Specifications
T 38 005 838-70.

2. * Dimension is given for reference, other dimensions are
provided with tools.

3. Limit deviations of hole A in angle are $\pm 10^\circ$

4. Other Technical requirements are as per Technical
Specifications 005 216-75.

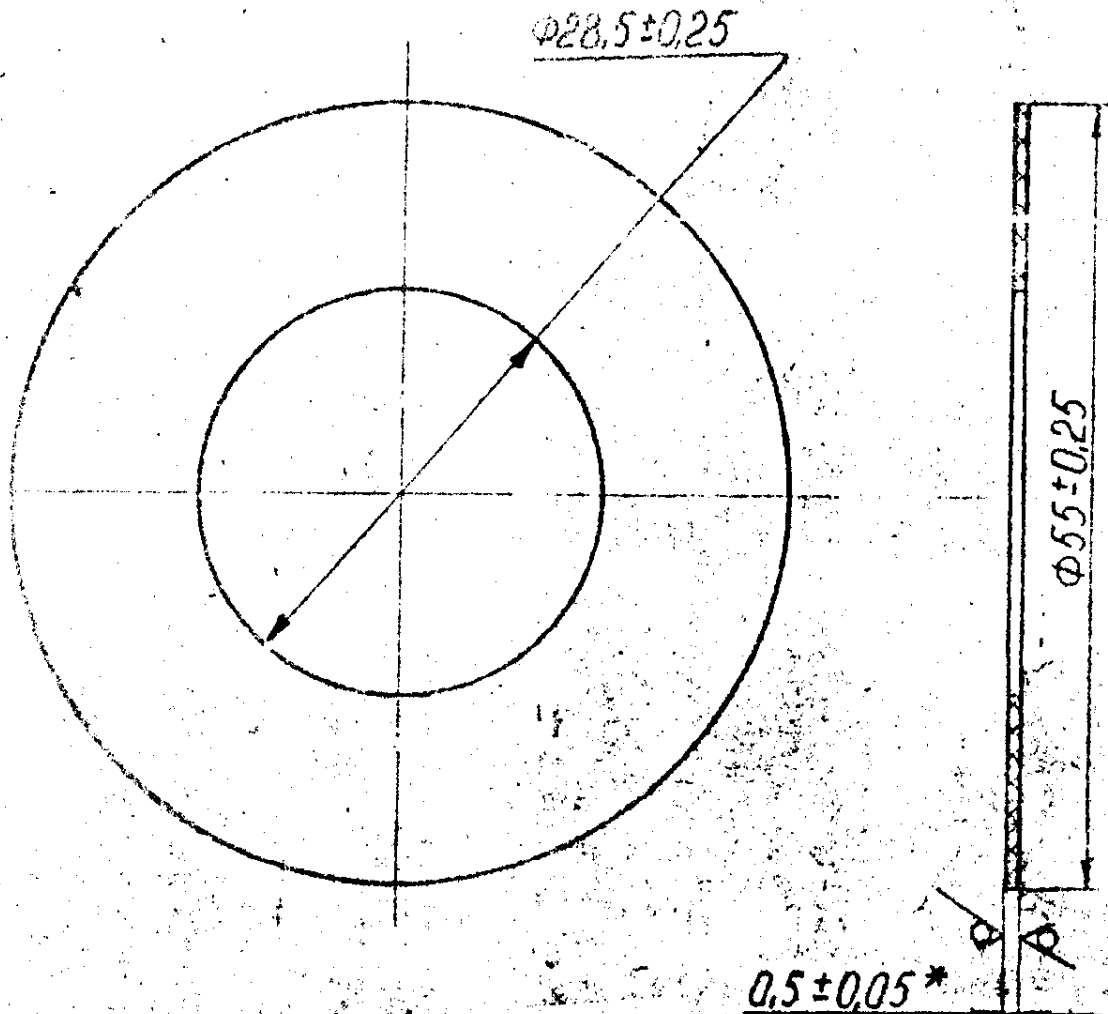
④ EQ MATERIAL RUBBER^{No.} 6 (TYPE B) AS AU 106-65.

22.10.2004
Chiz
JAN 2005

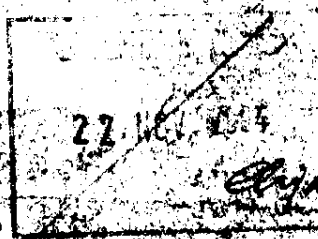
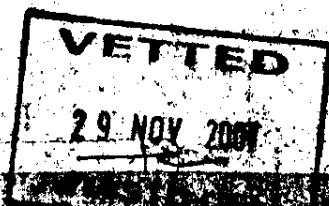
VETTED
20 NOV 2007
JWM/STD-CELL

APPROVED	M VASU	MBП4.120	
CHECKED	1.11.07		
CONTROLLERATE OF INSPECTION (11.11)		GASKET	
		PLATE 254311-0.5 RUBBER 4326-1	TY005216 75
		103/146	

ГЛ-10-326



* Dimension is given for reference.



ЕСКД

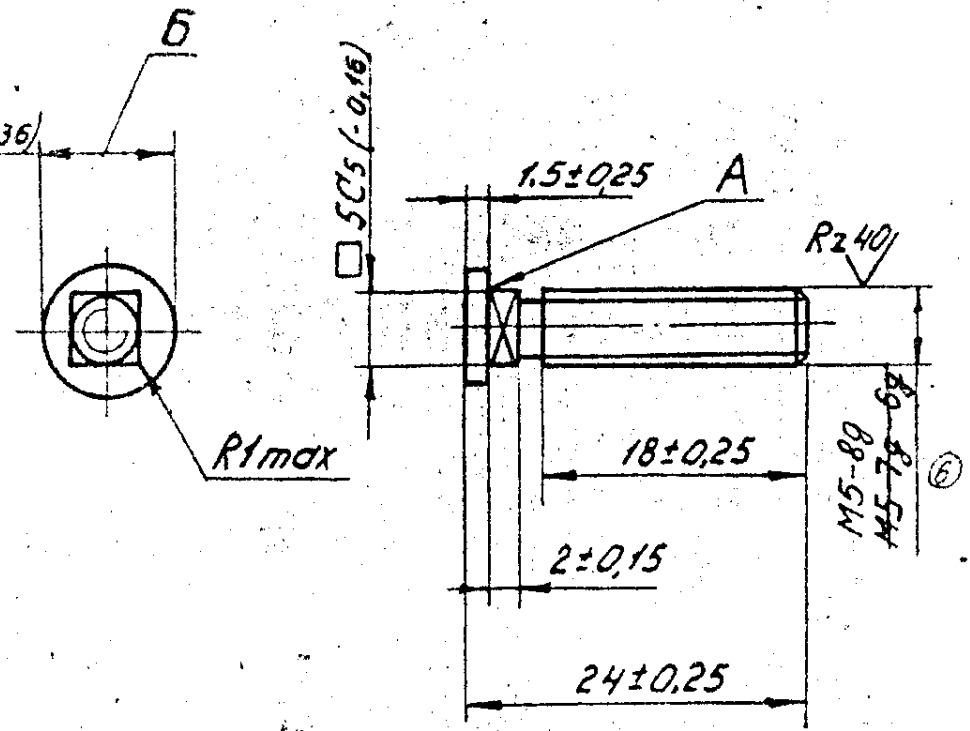
APPROVED	- N. VAS	ГЛ-10-326	
CHECKED	M. B. et al.		
CONTROLLERATE OF INSPECTION (ICV) (75)		WASHER	
		Card board 38 0.5 GOST 2824-75	
		WEIGHT	SCALE
		0.7g	2:1
		SHT	SHTS
		129	146

17.5001-1X

Rz 80 (✓)

MPS-80

EQUIVALENT MATERIAL ADDED	
①	ISSUE NATURE OF AMENDMENTS
09.04.07	DATE
09.05.07	DATE
09.05.07	DATE



DESIGNATION.	COATING.
X1 - 10097U,	Zinc-plated, 6 microns thick, chromitized.

VETTED
29 NOV 2007
JWIM/STD-CELL

1. Excess of metal is allowed on surface A with thickness not exceeding 0.5mm in the limits of diameter 5.

2. Other technical requirements are as per GOST 1759-70.

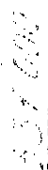
① EQ. MATERIAL : MILDSTEEL C-10 IS: 2073-70 OR EN 1A, EN 1B, BS-970.

22 NOV 2004

0-576/20

APPROVED	M. YAGU	X1-10097U	
CHECKED	M. YAGU	BOLT	
CONTROLLERATE OF INSPECTION (ICV)		WIRE	SCALE
		3.25	2:1
(83)		SHT	SHTS
		Wire 4 4-10 GOST 5663-79	137 / 146

▽41▽



1890

- 22 NOV 2004

Chia

D-571

79 NOV 2007

2175 D-CEL

X1-10556

APPROVED

LOCKED

CONTROLLERATE
OF
INSPECTION

SCREW
M4-7g6g x 12.36 *
GOST 17475-72

Steel 10, GOST 1050-74

WEIGHT SCALE

1.15 5.1

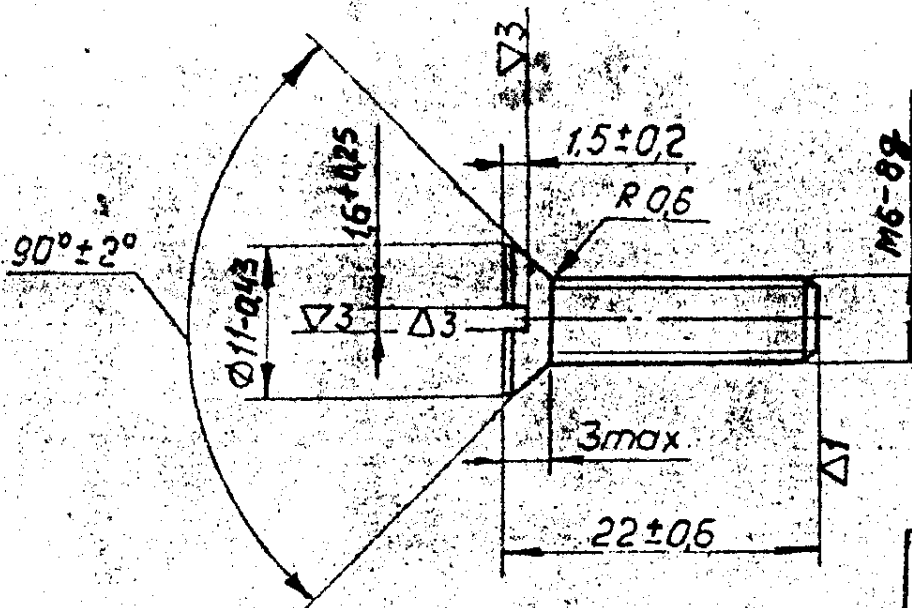
SHT SHTS

138/146

03101-1X

▽4(▽)

MBN-2



DESIGNATION.	*	COATING.
X1-10750.	016	Zinc-plated 6 microns thick, chromated. Composition of solution for chromatization is as per VI-252-78.

1. Limit deviation from the alignment of head axes and spline with respect to the axis of bar is 0.4mm.

2. Technical requirements are as per GOST 1759-70.

22 NOV 2007
[Signature]

VETTED
29 NOV 2007
JWM/STD-CELL

Duplicate copy is made with GOST 17475-72

APPROVED	<i>[Signature]</i>	X1-10750	
CHECKED	H.M. Shchukin		
CONTROLLERATE OF INSPECTION (ICV) 85		SCREW M6 x 2236*	WEIGHT SCALE
		ГОСТ 17475-72	4,64 g 2:1
		Steel 10, ГОСТ 1050-74	SHT SHTS
			139/146

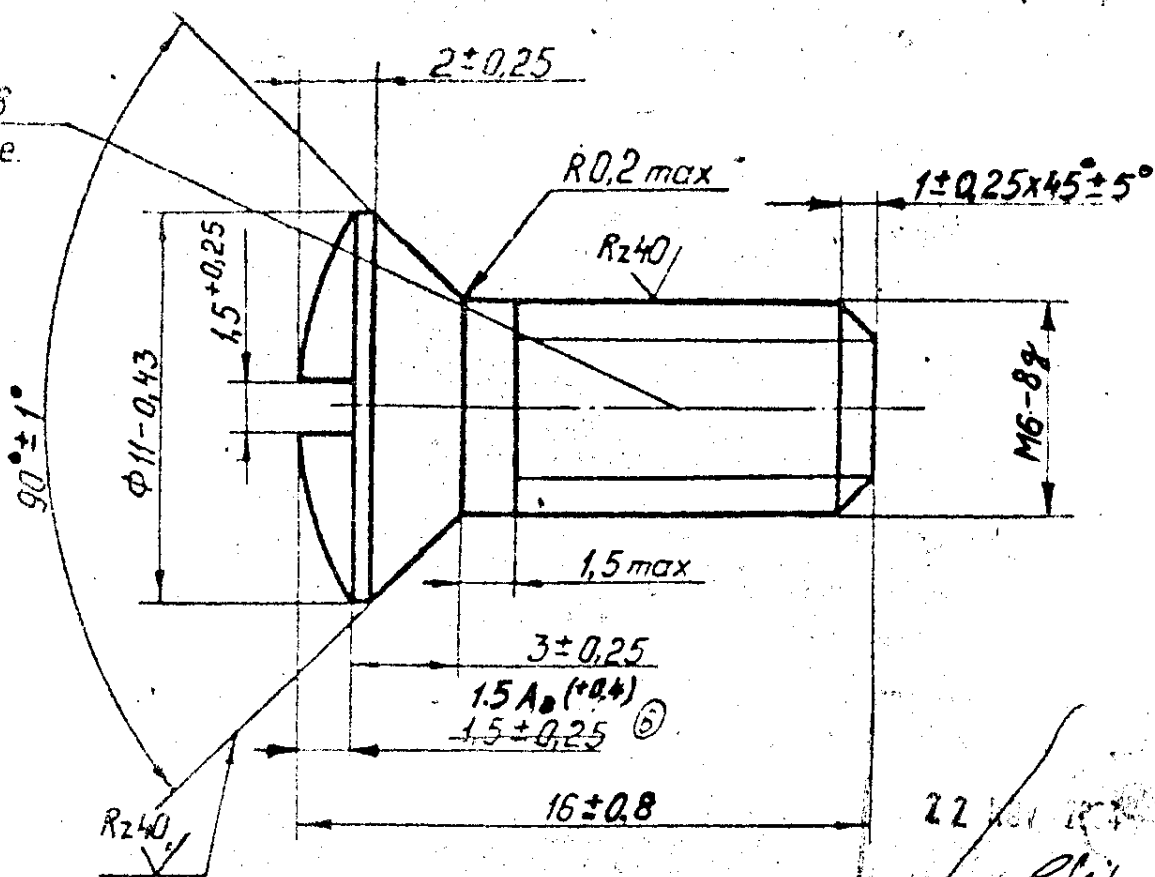
59507 IX

K280

✓(✓)

MSD-2

≈ R10,8
Sphere.



DESIGNATION	COATING
X1-10965.	Zinc-plated, 6 microns thick, chromated. Solution for chromatization is as per V-252-78.

VETTED
29 NOV 2007
JVM/STD-CELL

Limit deviations from the alignment with respect to axis of bar, with head axis is 0.3mm, with the axis of spline is 0.4mm.

2. Curburise h 0.1.....0.3mm. H R [54.....57.
3. Technical requirements are as per GOST 1759-70.

X1-10965

SCREW

Steel 10 GOST 1050-74

4.5g 5:1

140/146

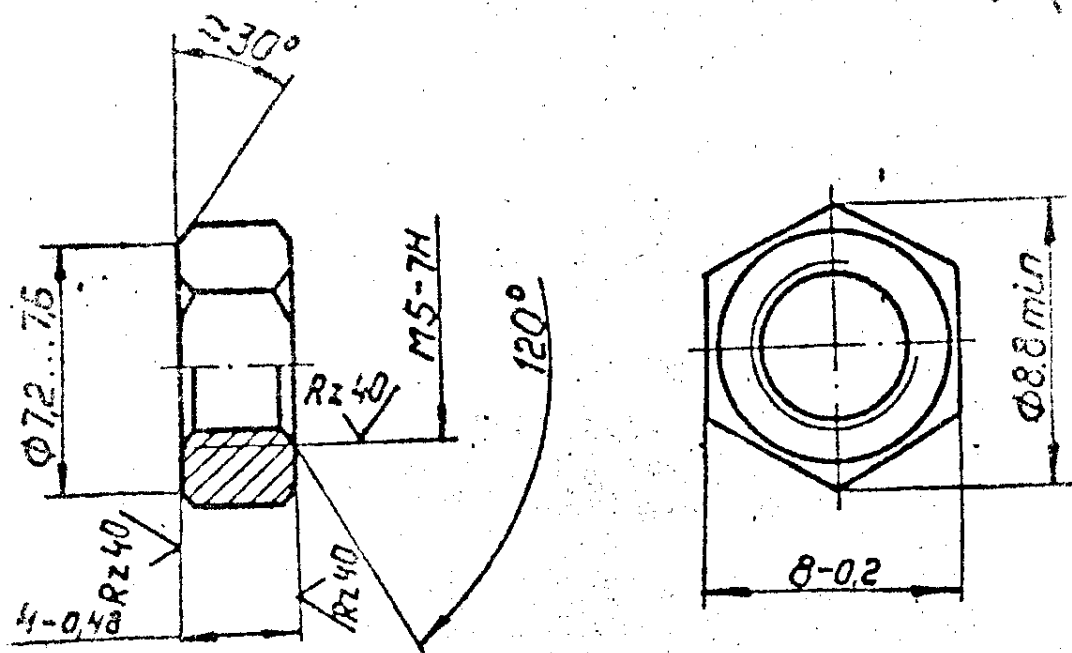
(86)

000000 0A

R280/

(M)

MTB-53



DESIGNATION.	COATING.
X2-10630.	Zinc-plated 6 microns thick chromitized.

1. Alternate material is steel 10, GOST 1050-74.
2. Limit displacements of axis of hole with respect to faces are 0.25mm.
3. Other Technical requirements are as per GOST 1759-70.

① EQ. MATERIAL: C10, C14 IS: 2073 OR ENIA BS-970

22 NOV 2004

VETTED

29 NOV 2007

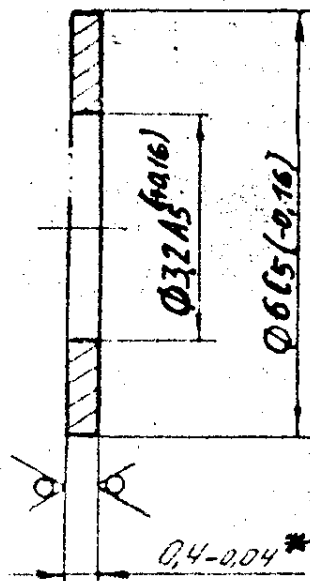
D-571

JWM/S D3811

APPROVED	M.V. 280	X2-10630		
CHECKED	H.M. Sh... KI			
CONTROLLERATE OF INSPECTION (ICV)	(87)	NUT	WEIGHT	SCALE
		Steel A 12, ГОСТ 1414-75	1.29ms	47
			SHT	SHTS

88501-5X

Rz80



EQ MATERIAL ADDED

(A)

00804-1504

00804-1504

ISSUE NO. 1

DESIGNATION.	COATING.
X3-10558.	Zinc-plated, 9 microns thick, chromatised. Condition of the solution for chromatisation is as per V-252-78.

1. * Dimension is given for references.

2. Limit radial play is 0.4mm.

3. Other Technical requirements are as per
GOST 18123-72.

(A) EQ MATERIAL: GRADE D IS: 513-86

D-571

VETTED

29 NOV 2007

JWM/STD-CELL

ECK

X3-10588

CONTROL RATE
OF
INSPECTION
(HCV)

(88)

WASHER

Band 10-M HT-2-0-0.4
ГОСТ 503-71

0.096 10:1

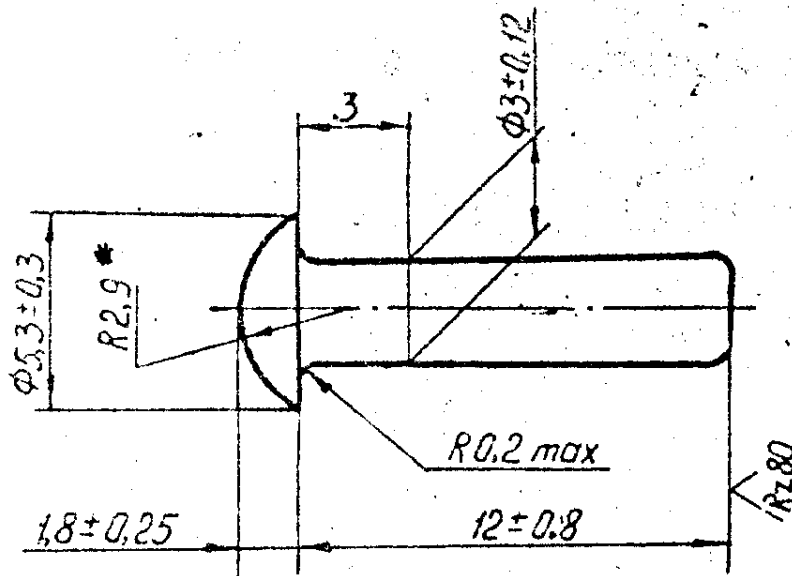
SHT SHTS

142/146

06801-9X

Rz40

✓ (✓)



DESIGNATION	*	COATING
X6-10890	016	Zinc-plated, 6 microns thick, chromated. Condition of solution for chromatinization is as per V1-252-78.

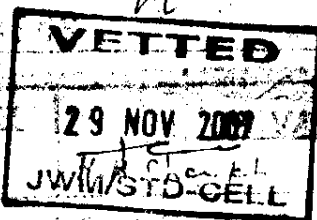
- * Dimension is given for references.
- Displacement limit of head axes with respect to the axis of bar is 0.2mm.
- Other Technical requirements are as per GOST 10304-70.

22

eliger

Duplicate copy is made with GOST 10299-68.

D-571



X6-10890

RIVET 3 x 12.01

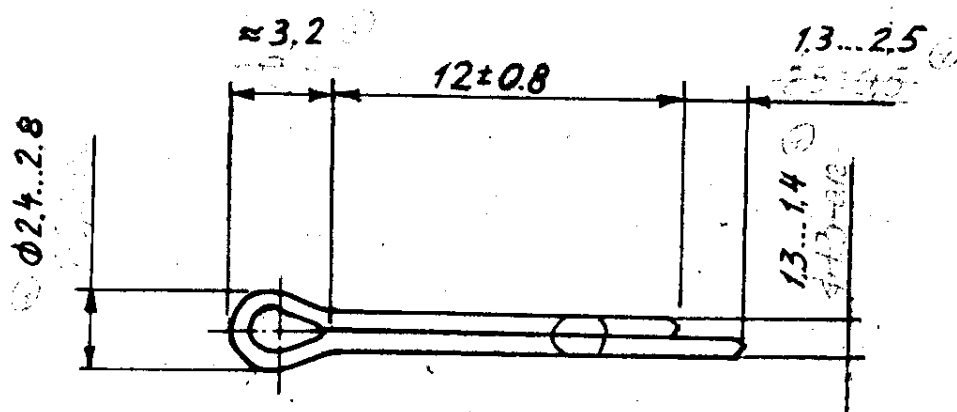
GOST 10299-68

Steel 10, ГОСТ 1050-74

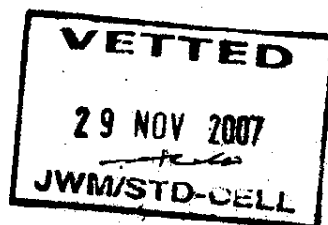
0.485g 5:1

143/146

99



Coating - Zinc-plated 6 microns thick, chromated.
 Solution for chromatization is as per
 U - 252 - 78.



Duplicate copy is taken from GOST 397-79.

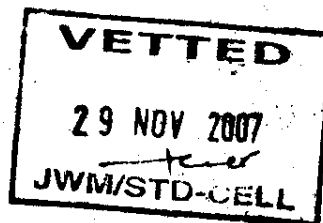
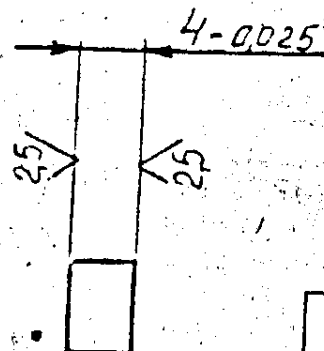
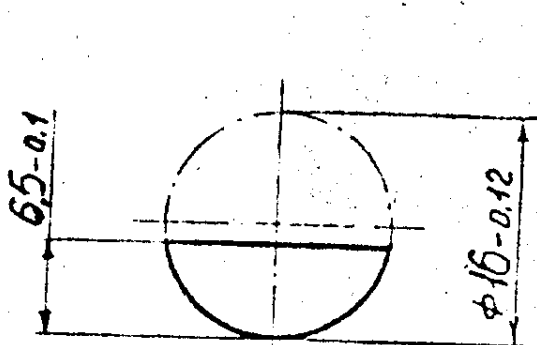
D-571

APPROVED	14 VESN	X9-10-81	
CHECKED	<i>M. G. G. G.</i>	SPLIT PIN 1.6 x 12.016 GOST 397-79	WEIGHT
CONTROLLERATE OF INSPECTION (ILY) (91)			0.185 4:1
		Steel 10, GOST 1050-74	SHT 145/146

11496-A

Kz80

✓ (✓)



H R C 35.....40.

① EQ. MATERIAL: CA0 IS: 2073-70 OR EN8 BS 970

EQ. MATERIAL ADDED.		ISSUE NATURE OF AMENDMENT
①	②	
00804-1W	22 NOV 2004	

22 NOV 2004

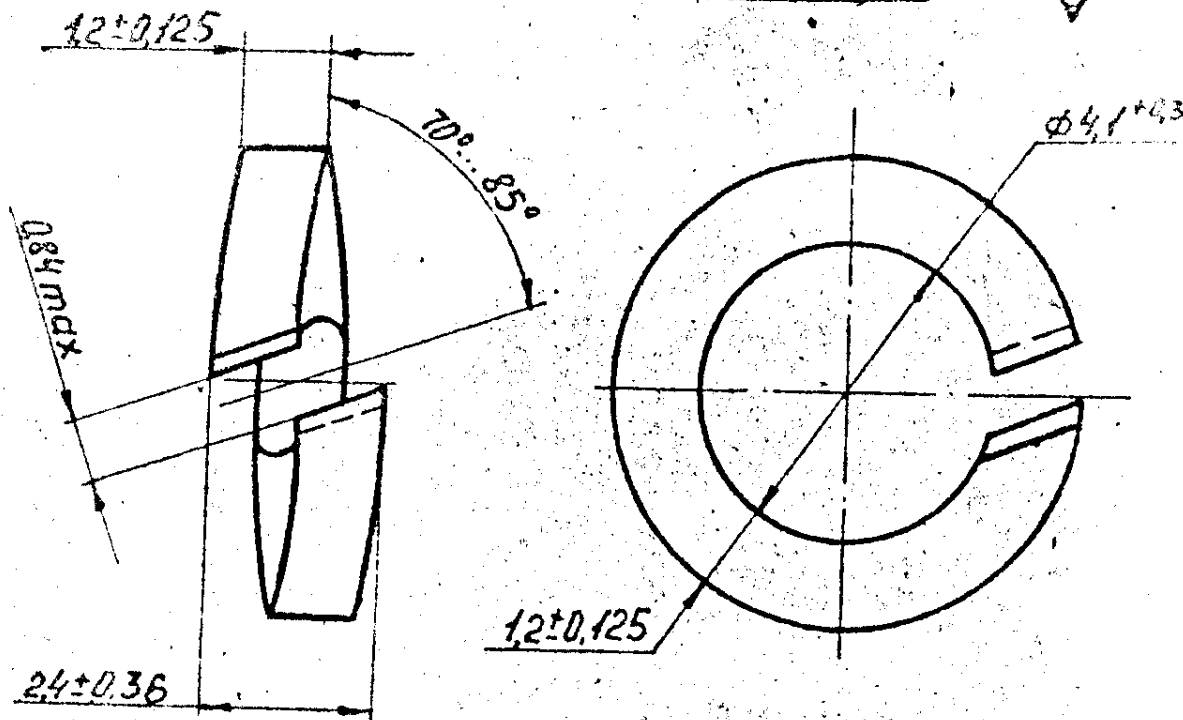
D-571

ECK

12

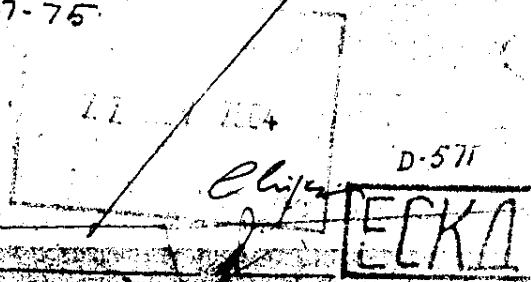
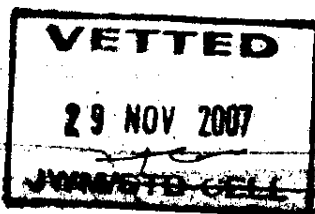
APPROVED	MVP20	X- 261 U		
CHECKED	11/17			
CONTROLLERATE OF INSPECTION (ICV) 53		KEY	WEIGHT	SCALE
			2 39ms	2.1
		steel 40 TOCT 1050-74	SHT	SHTS
			107/146	

X-1012



DESIGNATION.	— *	COATING.	PERMISSIBLE COATING.
X-1012	06	Chemically parkarized, oiled.	Chemically parkerised, oiled, Zinc-plated 6 microns thick, chromotized, cadmium 6 μ m thick, chromotized.

Technical requirements are as per GOST 6402-70.
 ① EQ. MATERIAL: 75C6 IS: 2507-75

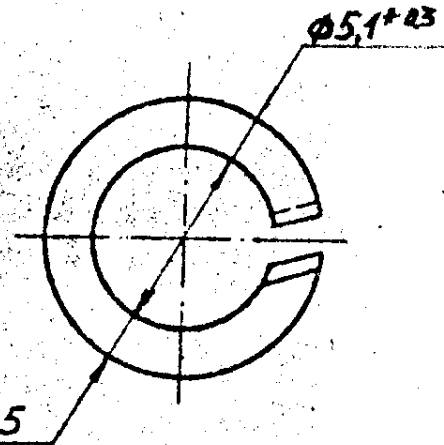
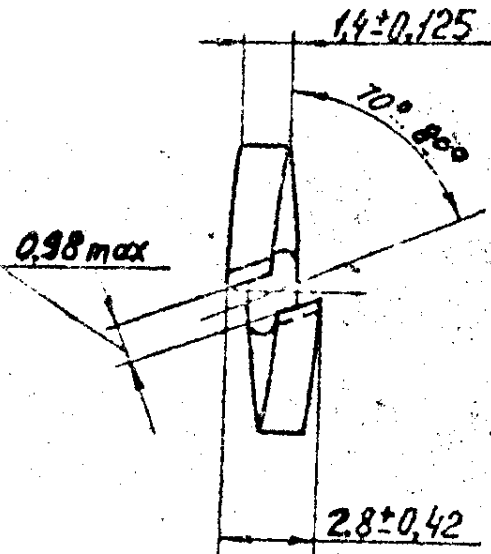


EQ. MATERIAL ADDED	ISSUE NATURE OF AMENDMENTS
①	DATE: 20.08.2008

APPROVED	WASHER	X-1012
CHECKED	WASHER 4.65T *	
CONTROLLERATE	GOST 6402-70	WEIGHT 0.189g
	Steel 65T, GOST 1050-74	SCALE 10:1
		SATIS

134/146

1004-X



DESIGNATION	*	COATING	PERMISSIBLE COATING
X-4001	06	Chemically parkerised oiled.	Chemically parkerised, oiled. Cadmium ^{coat} 6 microns thick, chromotized.

VETTED

29 NOV 2007

JWM/STD-CELL

Technical requirements are as per GOST 6402-70.

①EQ.MATERIAL: 75C6 IS: 2507-75

22 NOV 2004

00804-100

①

EQ. MATERIAL ADDED

RECD NO
DATE

ISSUE

NATURE OF AMENDMENTS

D-571

ECKD

X-4001

WASHER 565Г *
GOST 6402-70

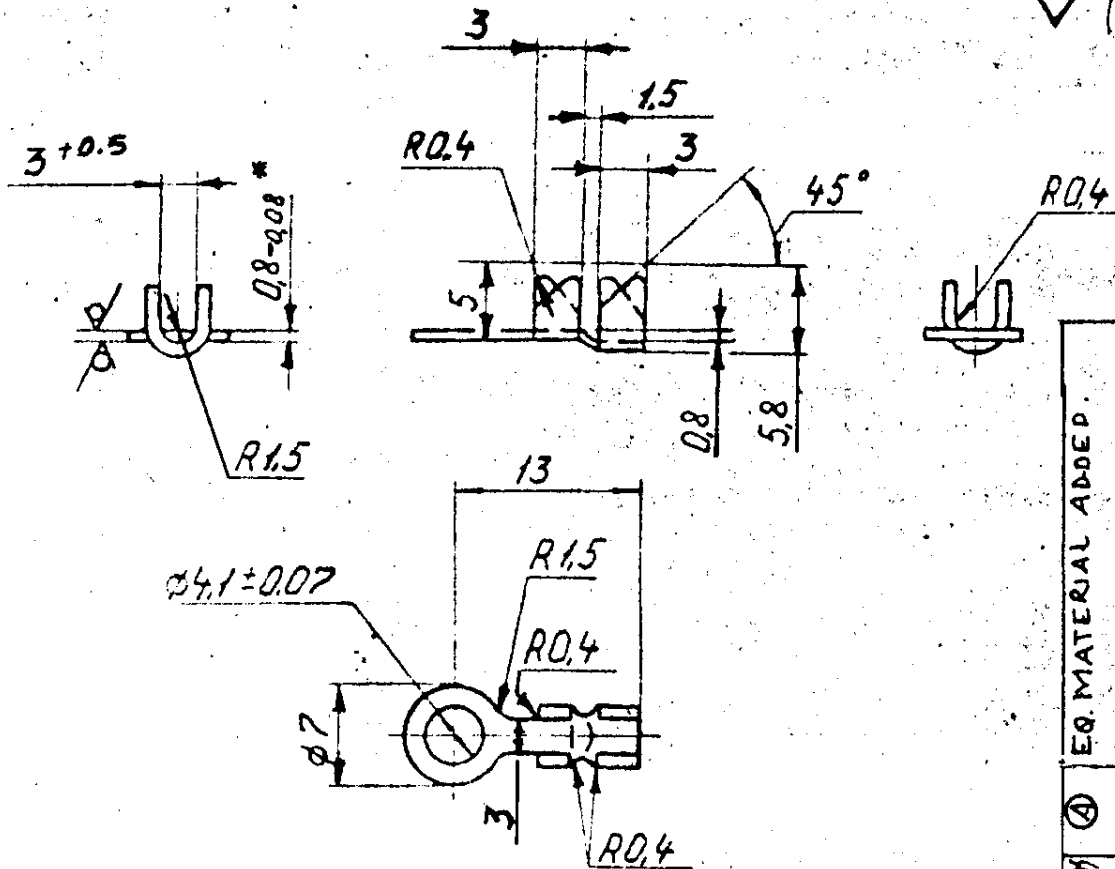
0.315 5:1

Steel 65Г GOST 1050-74

135/146

1-УГБ-132

Rz80

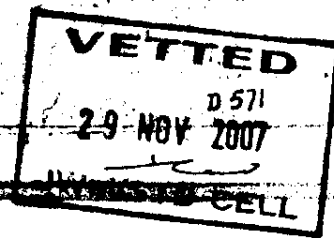


1. * Dimension is given for references.
 2. All dimensions have tolerance of ± 0.25 and angular tolerance of $\pm 30'$, if not specified otherwise.
 3. Coating:- Tin-Bismuth (97) 9. micron thickness.
- Ⓐ EQ. MATERIAL: BRASS SHEET-CU20 37 IS: 4-10-77.

EQ. MATERIAL ADDED.	NATURE OF AMENDMENTS
Ⓐ	ISSUE
06.04.10	DATE
06.08.2000	DATE

8102

22.11.2004



APPROVED	1-УГБ-132
CHECKED	
CONTROLLER AT	LUG
INSPECTION	Sheet AnPM 0.8 163
NOV (51)	FOCT 931-78
	WGT 0.58ms
	SCALE 2:1
	SHT SHTS
	105 11/6

VETTED
29 NOV 2007
[Signature]
IN AUST. CELL

	M VASU	MB 60-05-00	
CHECKED	<i>J.H.S. How</i>	BRUSH TYPE K1-7	DATE
CONTROLLERATE OF INSPECTION (UCV) (33)			SMT 1 SMT 1
			87/140

11	11	11	DESIGNATION.	DESCRIPTION.	QTY	REMARKS
				<u>ASSEMBLY UNITS.</u>		
11.	1.		MBn2-04-00.	Body.	1	
11.	2.		MBn2-05-00.	Brush arm.	1	
11.	3.		MBn2-11-00. ✓	Cover from the side of drive.	1	
11.	4.		MBn2-16-00.	Armature.	1	
11.	5.		B36.170.002.	Cover from the side of commutator.	1	
11.	6.		MB 60-05-00.	Brush.	4	
11.	7.		MBn1-14-00.	Lead.	1	
				<u>PARTS.</u>		
11.	8.		MBn2-005.	Bolt.	1	
12.	9.		MBn2-00-02.	Support.	1	
11.	10.		MBn2-00-05.	Washer.	1	
12.	11.		MBn2-00-06.	Union.	1	
12.	12.		B38.040.000.	Cover.	1	
11.	13.		MB 63-124.	Ring.	1	
11.	14.		MBn 4.120.	Gasket.	1	
11.	15.		MBn 1-00-04.	Ring.	2	
11.	16.		MBn1-00-09.	Gasket.	1	
11.	17.		X-261U.	Key.	1	
11.	18.		8X-1497.	Washer.	2	
11.	19.		X1-10097U.	Bolt.	2	
11.	20.		X2-10630.	Nut.	2	
12.	21.		X9-10945.	Transporting cap.	1	
			016S			
				VETTED		
				29 NOV 2007		
				JVW/JS D-CELL		2571

CHECKED *[Signature]*
 CONTROLLERATE IF

MBn2-000
 ELECTRIC MOTOR
 MBn2

2 4

VETTED
29 NOV 2007
JULIAN CELL

MBh 2-000

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CONTROLLERATE OF
INSPECTION
(NMI)

ELECTRIC MOTOR
MBn 2

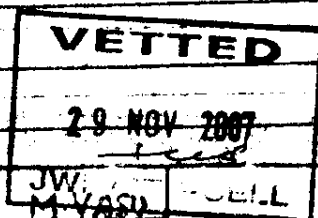
PERMANENT LOCAL.

SAT 3 DOTS 4

VETTED
29 NOV 2007
JWJ/STONCELL

APPROVED	M VASU	MBn 2-000	NEW AT SCALE
CHECKED	<i>M. Vasu</i>	ELECTRIC MOTOR	
CONTROLLERATE OF INSPECTION (ICV)		MBn 2	SH 4 MTS 4
			57/196

DESIGNATION	DESCRIPTION	TY
TY6-10-866-75.	Varnish Bn-725, Bn-725F, enamel Bn-725, aluminium colour.	
TY6-10-1290-78.	Varnish HU-286, black Technical Specifications.	
TY6-10-1314-77.	Resine MA-0121.	
TY14-4-823-77.	Carbon steel spring wire, Technical Specifications.	
TY16-503.124-73.	Compact film-glass-fabric. Technical Specifications.	
TY16-505.967-77.	Wire of hyper sensitive bending for automotive electrical equipment. Technical Specifications.	
TY38.005.838-70.	Rubberised parts and plates for aviation equipment. Technical Specifications.	
TY48-1-210-74.	Soldering wire, grade nCp K0 Mr 3.	



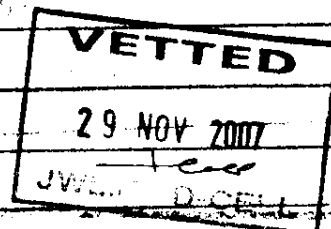
D.571

APPROVED	MBn2.000 BA	
CHECKED	ELECTRIC MOTOR MBn-2 List of ref documents	
CONTROLLERATE OF INSPECTION (ICV)	WEIGHT	SCALE
	SHT 2	SHTS 9

VETTED
29 NOV 2007
JW *[Signature]* 10-000

47146

DESIGNATION.	DESCRIPTION.	QTY	REMARKS.
GOST 1412-70.	Grey iron casting.		
GOST 1414-75.	Structural steel of improved and highly improved quality for cutting.		
GOST 1759-70.	Bolts, screws, studs and nuts.		
	Technical Specifications.		
GOST 2060-73.	Brass bars.		
GOST 2196-75.	Commutator micanite insulator.		
	Technical Specifications.		
GOST 2214-78.	Electro insulating varnish cloth.		
	Technical Specifications.		
GOST 2283-79.	Cold rolled band made of spring steel.		
	Technical Specifications.		
GOST 2332-75.	Brushes for electrical motors.		
GOST 2685-75.	Aluminium and tin alloys.		
	Marks, technical requirements and testing methods.		
2105			D. 571



APPROVED	M. VASU	MBN2-0008A	
CHECKED	<i>M. Vasu</i>	ELECTRIC MOTOR MBn-2	WEIGHT SCALE
CONTROLLERATE OF INSPECTION (ICV)		List of Ref. Documents	SHEET 4 OF 9
			48/146

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29 NOV 2007
JWM/STD-JEL

4.

49/1146

DESIGNATION.	DESCRIPTION	QTY	REMARKS
GOST 6402-70.	Spring washer.		
GOST 6465-76.	Enamels nØ-115 of different colours. Technical Specifications.		
GOST 7019-71.	Copper, winding, heat resistant wires.		
GOST 7242-70.	Single row ball bearing with protective washers. Types and basic dimensions.		
GOST 7262-78.	Copper wire insulated with varnish. 80-90. Technical Specifications.		
GOST 8018-70.	Electro insulating impregnating varnish ГØ-95.		
GOST 9045-70.	Cold rolled, low carbon fine thin sheet steel for cold stamping.		
GOST 9125-74.	Copper wire for electric motor brushes.		
GOST 9151-75.	Enamel, grade ГØ-92.		

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29 NOV 2007

JWM/STD-CELL

D.571

APPROVED

M VASU

МВН 2-000 ВД

CHECKED

2011-11-11

CONTROLLERATE OF
INSPECTION
(ICV)

ELECTRIC MOTOR MB7-2

List of Ref. documents

RESULTS

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DESIGNATION.	DESCRIPTION.	QTY	REMARKS
GOST 9754-76.	Enamel Mn-12 of different colours.		
GOST 10144-74.	Enamel XB-124 of different colours and XB-125.		
GOST 10156-78.	Vernished glass cloth for insulation.		
	Technical Specifications.		
GOST 10299-68.	Rivet with semicircular head of standard accuracy, dimensions.		
GOST 10699-72.	Electro insulating varnish tubes made of fibre glass.		
GOST 12232.6-76.	4 kg for electric motor brushes.		
	Design and dimensions.		
GOST 12707-77.	Phosphatizing primers.		
	Technical Specifications.		
GOST 13489-79.	Sealant, grade Y-30M and YT-31.		
	Technical Specifications.		
GOST 14034-74.	Central holes, dimensions.		
0182			
GOST 15152-69.	Rubberised technical articles for tropical regions. General technical requirements.		

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29 NOV 2007

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CHECKED

CONTROLLERATE OF
INSPECTION
(ICV)

MBn 2-000 BA

ELECTRIC MOTOR MBn2
List of Ref documents

WEIGHT SCALE

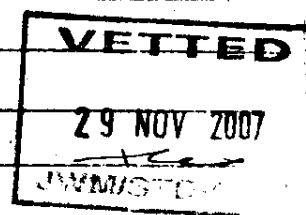
SHR 7 DNTS 9

51/146

DESIGNATION.	DESCRIPTION.
GOST 21930-76.	Soldering-tin-lead casted in pigs. Technical Specifications.
GOST 23436-79.	Cable insulating paper for insulation of power cables with voltage upto 35 KV inclusively. Technical Specifications.
	VETTED
	29 NOV 2007
	JWM/STD-CELL
D-571	

DESIGNATION	DESCRIPTION	PARENT UNIT	REMARKS
DOCUMENTS			
МВП 000 ТУ	SPECIFICATION		
МВП 000 ПС	CERTIFICATE		
МВП2. 02 Г4	ELECTRIC MOTOR		
	OUT LINE DRAWING		
МВП2. 00. 01 Э3	ELECTRIC MOTOR МВП2		
	SCHEMATIC DIAGRAM		
МВП2. 000 ВС	PARTS LIST		
МВП2. 000 ВД	LIST OF REF DOCUMENTS		
ASSY. DRAWINGS			
МВП2-000	ELECTRIC MOTOR МВП2	675-38-СБ3	
МВП1-14-00	LEAD	МВП2. 000	
МВП2-010	COMMUTATOR	МВП2. 16. 00	
МВП2. 020	SHUNT COILS	МВП2. 030	
МВП2. 030	SHUNT & SERIES COILS	МВП2. 04. 00	
МВП2. 02. 00	BODY	МВП2. 03. 00	
МВП2. 03. 00	BODY WITH ANGLE PIECE	МВП2. 04. 00	
МВП2. 04. 00	BODY	МВП2. 000	
МВП2. 05. 00	BRUSH ARM	МВП2. 000	
МВП2. 10. 00	SHAFT WITH IRON	МВП2. 16. 00	
	ARMATURE		
МВП2 11. 00	COVER FROM THE	МВП2. 000	
	SIDE OF DRIVE		
МВП2. 14. 00	BRUSH HOLDER	МВП2. 05. 00	
МВП2. 15. 00	SEALING RING	МВП2. 1. 00	
APPROVED <i>[Signature]</i> CHECKED <i>[Signature]</i>		МВП2. 000 СП ELECTRIC MOTOR МВП2	
CONTROLLERATE OF QUALITY ASSURANCE (ICV)		VETTED 29 NOV 2007 <i>[Signature]</i>	
		SHT 1 SHTS 7 1 OF 146	

DESIGNATION	DESCRIPTION	PARENT UNIT	REMARKS
MBП2. '6.00	ARMATURE	MBП2.000	
MB60.05.00	BRUSH TYPE K1-7	MBП2.000	
Ba6.170.002	COVER FROM THE	MBП2.000	
	SIDE OF COMMUTATOR		
	PARTS		
MBП2.002	COVER FROM THE	Ba6.170.002	
	SIDE OF COMMUTATOR		
MBП2.00.02	STAND	MBП2.000	
MBП2.003	GASKET	MBП2.16.00	
MBП1.00.04	RING	MBП2.000	
MBП2.005	BOLT	MBП2.000	
MBП2.00.05	WASHER	MBП2.000	
MBП2.00.06	UNION	MBП2.000	
MBП2.008	GASKET	MBП2.04.00	
MBП1.00.09	GASKET	MBП2.000	
MB55.01.02	INSULATION OF SLOT	MBП2.16.00	
MBП2.01.03	WASHER	Ba6.170.002	
MB55.01.03	WEDGE OF SLOT	MBП2.16.00	
MBП4.120	GASKET	MBП2.000	
MB 63-124	RING	MBП2.000	
1-цГБ-132	LUG	MBП2.030	
MBП2.02.02	LUG	MBП2.02.00	
X-2614	KEY	MBП2.000	
MBП2.03.03	ANGLE PIECE	MBП2.03.00	
MH1-03-03	SPRING	MBП2.05.00	



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CONTROLLERATE OF
QUALITY ASSURANCE
(ICV)

MBП2.000CP

ELECTRIC MOTOR
MBП2

SHEET 2 SHEETS 7

2 OF 140

DESIGNATION	DESCRIPTION	PARENT UNIT	REMARKS
MBП2.04.01	POLE	MBП2.04.00	
MBП1.04.03	WASHER	MBП2.11.00	
MBП1.04.05	SPIRAL RING SHAPED	MBП2.11.00	
	SPRING FOR RUBBER		
	SEALING RING		
MBП2.05.01	BRUSH ARM	MBП2.05.00	
8X-525	RIVET	MBП2.05.00	
MB 60.07.04	IRON SHEET OF ARMATURE	MBП2.10.00	
MB 60.07.05	EXTREEM INSULATING SHEET	MBП2.10.00	
MB 60.07.06	WASHER	MBП2.10.00	
MB 60.07.07	WASHER OF ARMATURE	MBП2.10.00	
MB 60.08.01	PLATE COMMUTATOR	MBП2.010.	
MB 60.08.02	INSULATION PLATE	MBП2.010	
MBП2.09.01	INSULATION OF FRONT PARTS	MBП2.16.00	
MBП2.10.02	SHAFT	MBП2.10.00	
MBП2.11.01 ✓	COVER FROM THE SIDE	MBП2.11.00	
	OF DRIVE		
MBП2.14.01	AXLE	MBП2.14.00	
MBП2.15.01	REIN FORCING RING	MBП2.15.00	
MBП2.16.01	WASHER	MBП2.16.00	
MBП77.31	WASHER OF THE BEARING	MBП2.11.00	
Ba 8.040.000	COVER	MBП2.000	
ГA-10-326	WASHER	MBП2.16.00	
7X-4081	SCREW M4 7g6g X8.	MBП2.11.00	
	36. GOST 17475-72	Ba 6.170.002 -	
8x-1497	WASHER	MBП2.000	

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29 NOV 2007

WIND-CELL

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MBП2.000CP

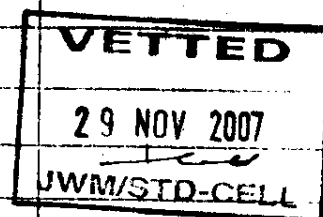
CONTROLLERATE OF
QUALITY ASSURANCE
(ICV)

ELECTRIC MOTOR
MBП2

SHT 3 SHTS 7

3 OF 146

DESIGNATION	DESCRIPTION	PARENT UNIT	REMARKS
8x-1541	SCREW M4-7g6gX8.36	MBП2.000	
	GOST 17473-72		
8x-1548	SCREW M4-7g6gX10.36	MBП2.000	
	OIG, GOST 17473-72		
X-1012	WASHER 4.65Г *	MBП2.000	
	GOST 6402-70		
X-4001	WASHER 5.65Г *	MBП2.000	
	GOST 6402-70		
X-4069	WASHER 8.65Г *	MBП2.000	
	GOST 6402-70		
X1-10097 u	BOLT	MBП2.000	
X1-10556	SCREW M4-7g6gX12.36, GOST 17475-72	MBП2.000	
X1-10750	SCREW M6X22.36* GOST 17475-72	MBП2.000	
X1-10965	SCREW	MBП2.04.00	
X2-10630	NUT	MBП2.000	
X3-10588	WASHER	MBП2.05.00	
X6-10890	RIVET 3X12.01 GOST 10299-68	MBП2.-03-00	
X7-10661	LUG	MBП1-14-00	
X9-10-81	SPLIT PIN 1.6X12.016 GOST 397-79	MBП2.05.00	
X9-10945	TRANSPORTING CAP	MBП2.000	



APPROVED *[Signature]*

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CONTROLLERATE OF
QUALITY ASSURANCE
(ICV)

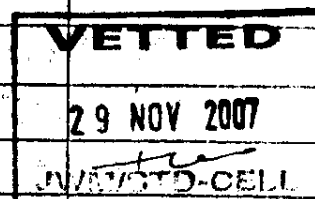
MBП2.000CП

ELECTRIC MOTOR
MBП2

SHT 4 SHIS 7

4 OF 146

DESIGNATION	DESCRIPTION	PARENT UNIT	REMARKS
	<u>STANDARD ITEMS</u>		
-	PLUG WPT 20 P2 JW6 ГЕО 364 108 TY	МВП2-000	
-	GLASS VARNISHED CLOTH ЛСКЛ-155-0.15	МВП2-000	
	X15, GOST 10156-78		
-	WIRE ПБЖ 2.12 GOST 16513-79	МВП1-14-00	
-	TUBE I ТЭЛ-3 GOST 10699-72	МВП1-14-00 МВП2.030 МВП2.020	
-	THREAD, IN 12 FOLDS, OF HIGH STRENGTH, GLOSSY GOST 6309-73	МВП1-14-00	
-	PRESS MATERIAL, АГ-4С, GOST 20437-75	МВП2-010	
-	WIRE ПЭТВ-2, 0.5 OST 16.0.505.001-80	МВП2-020	
-	WIRE ПО ГОО 15 TY 16-505.967-77	МВП2.020	
-	VARNISHED CLOTH ПХМ-105 0.17, WIDTH 15±1, GOST 2214-78	МВП2.020	
-	VARNISHED CLOTH ПХМ-105 0.17, WIDTH 25±1, GOST 2214-78	МВП2.020	



APPROVED *[Signature]*
 CHECKED *[Signature]*
 CONTROLLERATE OF
 QUALITY ASSURANCE
 (ICV)

МВП2.000СП

ELECTRIC MOTOR
 МВП2

SHT 5 SHTS 7

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DESIGNATION	DESCRIPTION	PARENT UNIT	REMARKS
-	WIRE ПЛ 0.75 GOST 9125-74	МБП2.020	
-	TAPE А-20 GOST 18251-72	МБП2.020 МБП2.16.00	
-	PAPER K-120, WDT 20 GOST 23436-79	МБП2.020	
-	WIRE ПБ-2.12 GOST 16513-79	МБП2.030	
-	TAPE М-20-48, grade 1 GOST 4514-78	МБП2.030 МБП2.16.00	
-	THREADS, GLARING WHITE OR BLACK "SPECIALLY STRENGTH ENED" FOLD IN 12 GOST 6309-73	МБП2.030	
-	STEEL 10 GOST 1050-74	МБП2.030	
-	RIVET 3x12.01.016 GOST 10299-68	МБП2.03.00	
-	COTTER PIN 1.6x 12.016 GOST 397-79	МБП2.05.00	
-	BEARING 80204 GOST 7242-70	МБП2.11.00	
-	ALUMINIUM ALLOY АЛ2, GOST 2685-75	МБП2.14.00	

VETTED

29 NOV 2007

JWM/STD-CELL

APPROVED

CHECKED

CONTROLLERATE OF
QUALITY ASSURANCE
(ICV)

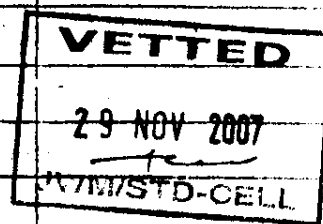
МБП2.000СП

ELECTRIC MOTOR
МБП2

SHT 6 SHTS 7

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DESIGNATION	DESCRIPTION	PARENT UNIT	REMARKS
-	RUBBER 3825 TY 005.210-75	MBП2-15.00	
-	WIRE ПСР 1.81MM GOST 7019-71	MBП2-16.00	
-	THREAD IN 12 FOLDS "SPECIALLY HARDEN"00 GLAZY WHITE, GOST 6309-73	MBП2-16.00	
-	CORD-INSULATING TUBE, TY 17 PCΦCP 44-5873-77	MBП2-16.00	
-	VARNISHED GLASS CLOTH ЛСБ-120/130 0.15 GOST 10156-78	MBП2-16.00	
-	BRUSH MFC 5 GOST 2332-75	MB60.05.00	
-	LUG 4Φ Г2-1.5 GOST 12232-6-76	MB60.05.00	
-	WIRE ЛШ-1.5 GOST 9125-74	MB60.05.00	
-	TUBE ТКС-3 GOST 10699-72	MB60.05.00	
-	BEARING 80203 GOST 7242-70	BA6.170.002	
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CONTROLLERATE OF QUALITY ASSURANCE (ICV)		ELECTRIC MOTOR MBП2	
		SHT 7 SHTS 7	
		7 OF 146	

		DESIGNATION.	DESCRIPTION.	QTY	REMARKS
			<u>TECHNICAL PAPERS.</u>		
13.		MBn 2-04-00CB.	Assembly drawing.		
			<u>ASSEMBLY UNITS.</u>		
11.	1.	MBn 2.030.	Shunt and series coils.	1	
11.	2.	MBn 2-03-00.	Body with angle pieces.	1	
			<u>PARTS.</u>		
11.	3.	MBn 2.008.	Gasket.	2	
12.	4.	MBn 2-04-01.	Pole.	4.	
11.	5.	X1-10965.	Screw.	8	
			VETTED 29 NOV 2007 JWM/STD-CELL		
			D.571		

APPROVED	MAYAW	MBn 2-04-00							
CHECKED	<i>M. J. J. J.</i>	BODY	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">WEIGHT</td> <td style="width: 50%;">SCALE</td> </tr> <tr> <td>SHT 1</td> <td>SHTS 1</td> </tr> <tr> <td colspan="2" style="text-align: center;">72/146</td> </tr> </table>	WEIGHT	SCALE	SHT 1	SHTS 1	72/146	
WEIGHT	SCALE								
SHT 1	SHTS 1								
72/146									
CONTROLLEDATE OF INSPECTION (ICV)									

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