

()

INTERSTATE COUNCIL FOR STANDARDIZATION, METROLOGY AND CERTIFICATION
(ISC)

18572
2014



2015

18572—2014

1.0—92 «(
1.2—2009 «

1
(«) »)

2 « » 307

3 (30 2014 . N9 67-)

| | | |
|----------------|----------------------------------|--|
| (3166) 004-97 | (3166) 004-97 | |
| | AM BY KG RU 7J UA | |

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2014 . 704-
18572—2014
1 2015 .

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©

. 2015

**Rolling bearings. Axle box cylindrical roller bearings for rolling stock.
Specification**

— 2015—07—01

1

2

27.002-89

520-2011

801-78

2477-65

3189-89

3325-85

4543-71

4835-2013

6479-73

9013-59

10243-75

18321-73

18854-2013

18855-2013

24297-2013

25256-2013

24955-81

24810-2013

(3166) 004-97

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1

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27.002, 24955, 25256,

3.1

3.2

3.3

3.4

3.5

3.6

3.7

3.8

3.9

3.10

3.11

3.12

3.13

3.14

3.15 « »
 , , , , ,
 3.16 , , ,
 3.17 (acceptance inspection): ()
 (16504-81. 102)
 3.18 (100 % inspection):
 [16504-81. 104)
 3.19 (manufacturing supervision): ,
 [16504-81. 98]
 3.20 ,

 3.21 : ,

 [27.002-89. 3.15)
 3.22 : , , ()
 , ,
 [27.002-89. 3.20)
 3.23 : ,

 3.24 (ground test): ,

 [16504-81. 55] (field test): ,
 3.25 :

 [16504-81. 58]
 3.26 :
 /
 3.27 : , , ,

 3.28 : ()
 /
 3.29 :

 3.2.30 ,

4**8**

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D_eSO-

G, -

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So -

18572—2014

Vqi -
 Vd -
 l/omp -
 $Vote$ -
 $Vftnp$ -
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 $\%>$ -
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5.1

5.1.1

3189.

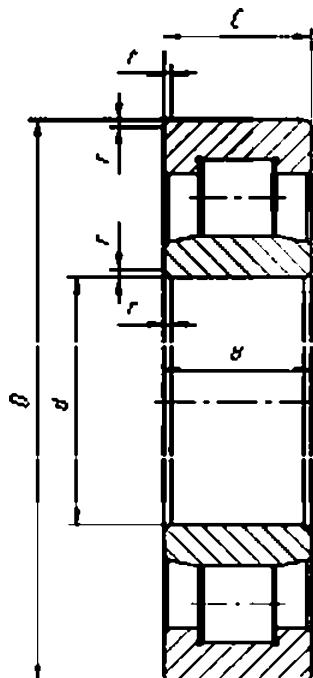
5.1.2

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5.2

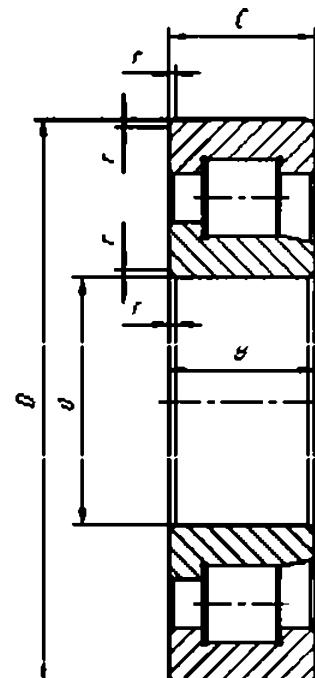
5.2.1

1-9.



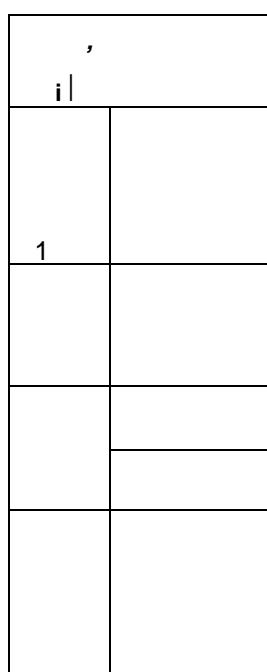
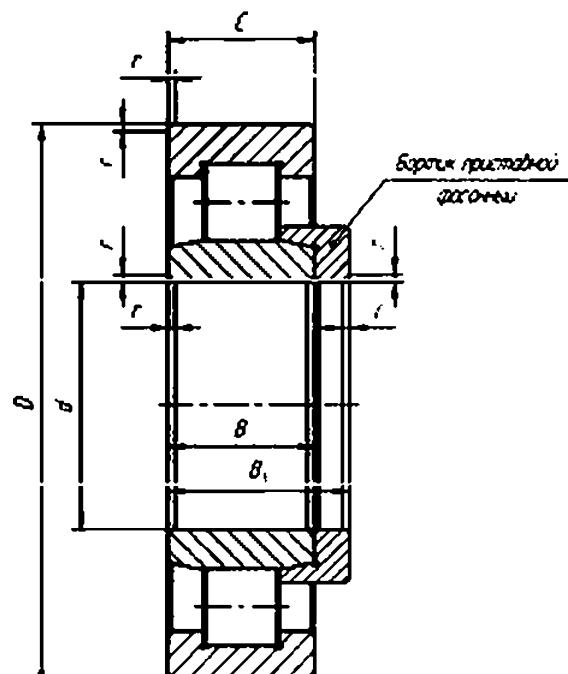
1 -

32000



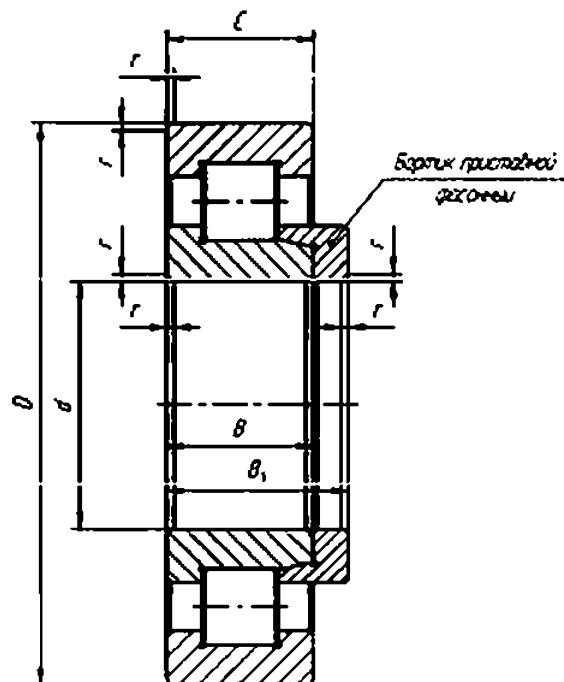
2 -

42000

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42000

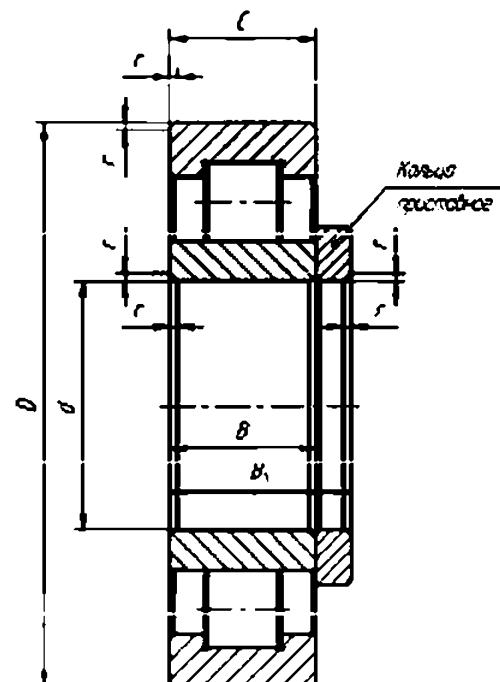
4 -

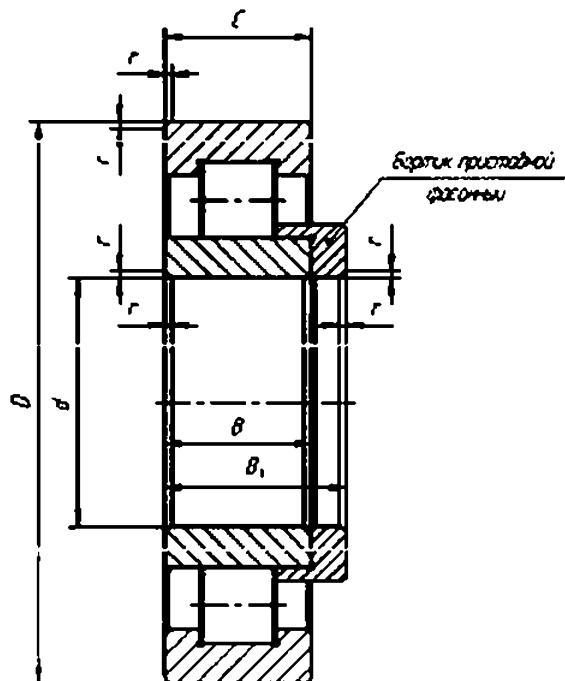
52000



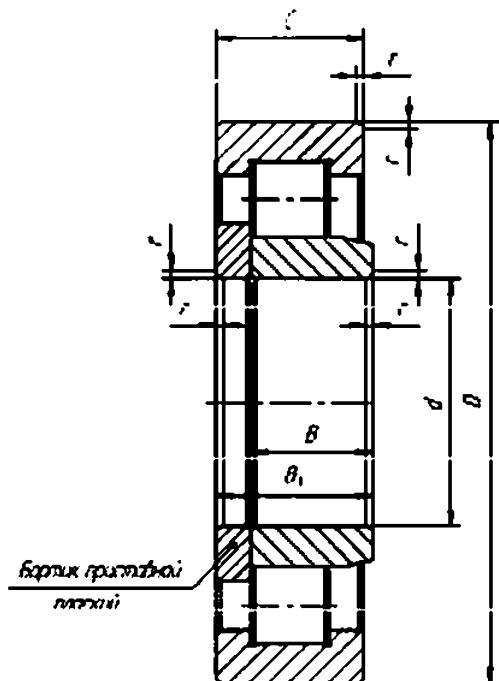
5 -

62000

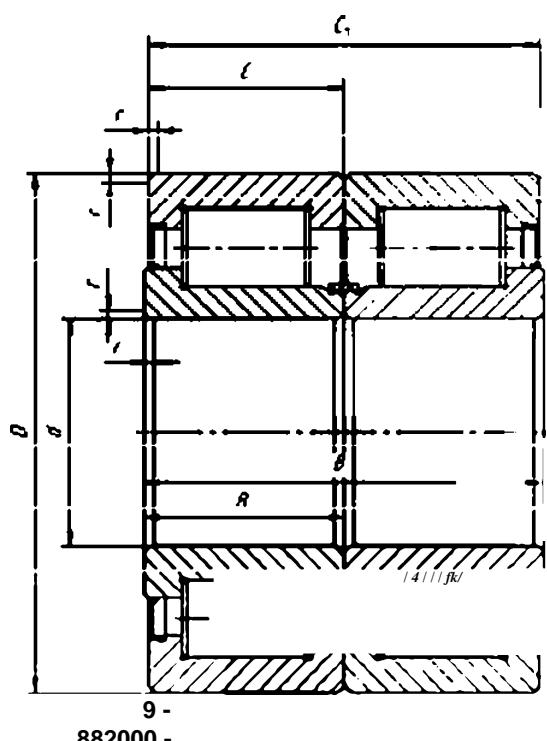
6 -
152000



7 -
152000



8 -
232000



9 -
882000 -

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6**6.1****6.1.1****6.1.1.1**

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6.1.1.2

• 60 ° 55 °

6.1.2**6.1.2.1****520.****6.1.2.2****520,****6.1.2.3****56 65 HRC****3 HRC.**

1.5 3.5 .

6.1.2.4

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6.1.2.515 15 - 15 - 801.
- 17 %. 20%.**6.1.2.6****6.1.2.7****30****6.1.2.8****6.1.2.9****520.****6.1.2.10****6.1.2.11****20
 V_A^P** **520.****6.1.2.12** **S_d** **20****6.1.2.13****20****6.1.2.14****20****32000.**

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6.1.2.15**- 10 20****3****8****6.1.2.16****6.1.2.17**

18572—2014

6.1.2.18

40 - 70 150 . .
40 120
6.1.2.19 , 24810.
75 215 , 15

, 6.1.2.20

0,8 .

6.1.2.21

20 ° . 40 ° . 60 ° .
10 %.

6.1.2 22

6.1.2.23

6.1.3
6.1.3.1

18854.

, 18855.

6.1.3.2

80 *

6.1.3.3

6.1.3.4

6.1.3.5

6.1.3.6

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• . . :

70 ° .

- . . :

- . . :

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1 %:

0,2 % (

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0,3 %.

6.2

6.2.1

520.

6.2.2

66 6.
(30 ± 5) %. .

6.2.3

6.3

6.3.1

520.

6.3.2

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- 30-42726 RU sr 256 - - ,
 30-42726 - ,

RU -

epk sr -

256 -

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6.3.3

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6.3.4

6.3.5

6.3.6

6.3.7

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42726
 : 30-42726 4 , 30-232726 1 , 30-232726 , 3042726 2 , 30-232726 2

2

42726
232726 1
 : 30-232726 4 , 30-232726 2 , 30-232726 9

6.3.8

232726 1

6.3.9

(,
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6.4

520.

18572—2014

7

7.1

7.1.1

7.1.2

7.1.3

- 10 %

2 % -

- 2 %

7.1.4

20

10 %.

7.2

7.2.1

100

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100

300

7.2.2

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7.2.3

7.2.4

7.2.5

7.3

520

7.4

130

7.5

(, ,)

7.6

24297.

8**8.1**

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8.2

8.2.1 - **6.3.**

8.2.2 - **6.2.1.**

8.2.3,

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- **6.1.2.3.**

8.2.4

- **.1.2.9. 6.1.2.10.6.1.2.11. 6.1.2.12.**

8.2.5 - **6.1.2.14.**

8.2.6 - **6.1.2.15.**

8.2.7,

- **6.1.2.18.**

8.2.8

- **6.1.2.19.**

8.2.9

- **6.1.2.20.**

8.2.10

- **6.1.2.21.**

8.2.11

- **6.1.3.2.**

8.2.12 *>1

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- **6.1.3.3.**

8.2.13

- **6.1.3.4.**

8.2.14

- **6.1.3.5.**

8.2.15

- **6.1.2.22.**

8.3**8.3.1**

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8.3.2**9.****8.2.1-8.2.12,8.2.15.****8****8.2.12****8.3.3****64000****8.2.14.****8.3.4****8.2.1-8.2.10.8.2.15.****8**

20%

8.2.11.**8**

10%

8.2.12 8.2.13**8.3.5**

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8.3.2.**8.3.6**

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| | 8.2.2-8.3.5 (8.2.12 8.2.13); 8.2.7. 8.2.8; 8.2.11. |
| | 8.2.2- .3.5 (8.2.12 8.2.13); 8.2.8; 8.2.11. |
| | 8.2.2; 8.2.3 (8.2.13); 8.2.6-8.2.8; 8.2.11. 8.2.12 |
| | 8.2.8-8.2.11, 8.2.12 8.2.13 |
| | 8.2.11. 8.2.12 8.2.13 |

8.4

8.4.1

8.4.2

, ,

8.4.3

18321.

8.4.4

no 8.2.1-8.2.9, 8.2.15

3

8.2.12-8.2.14

8

, 8.2.11 -

9

9.1

V^, V&

* .

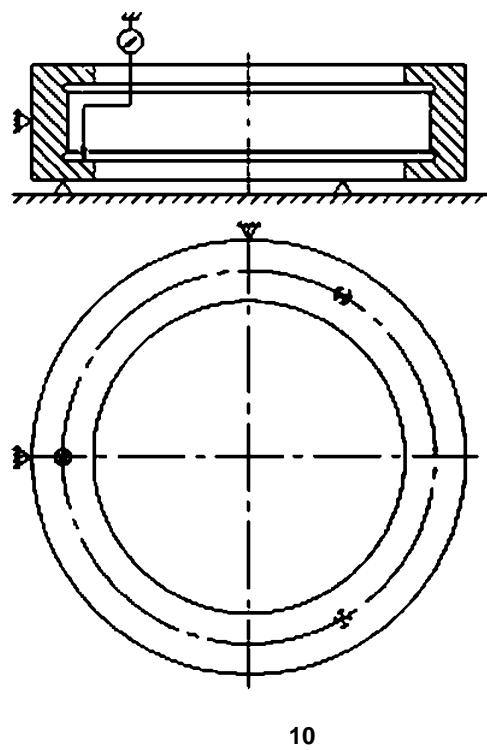
S_d

520.

9.2

,

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10.



10

90°

90 .

9.3

11 12.

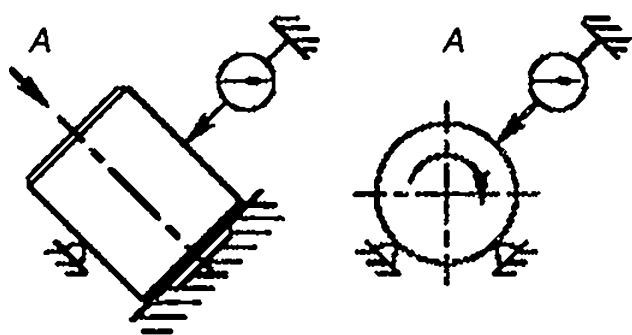
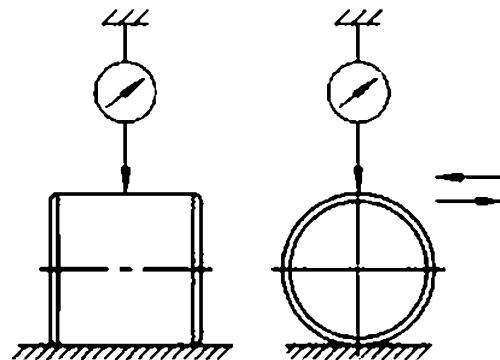


Рисунок 11

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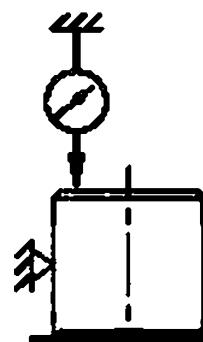


12

« *

9.4

13.



13

3

9.5

9.6

9.7

9.8

9.9

120°.

14

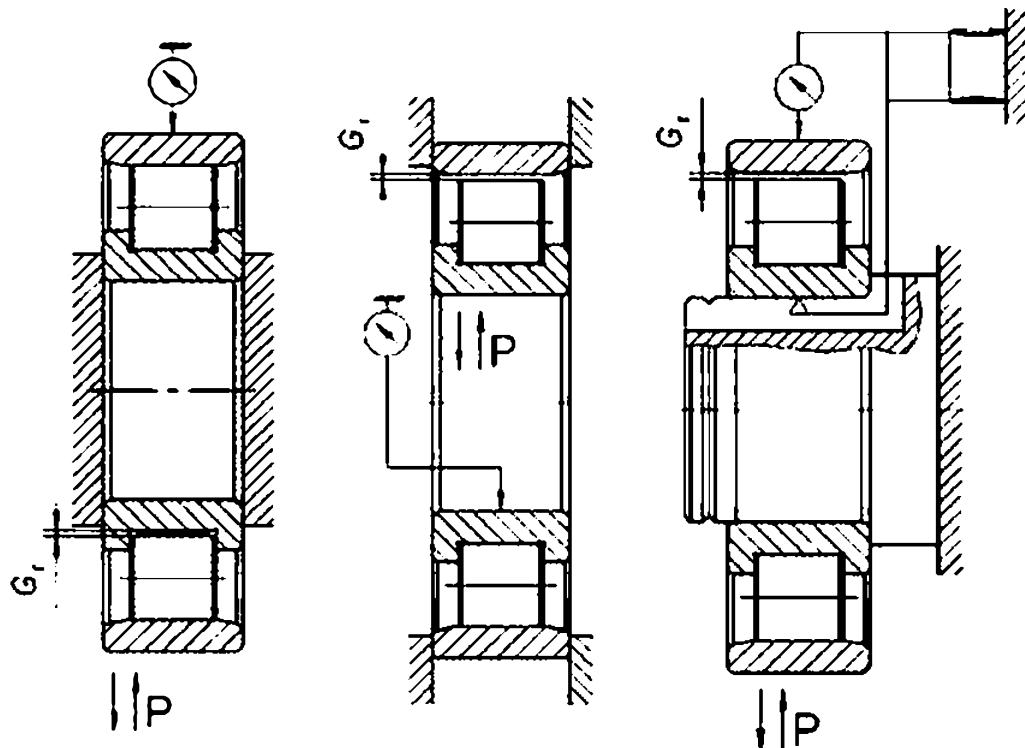
9.10

14 () 15 () 16 ().

14

15

16



120°.

 G_{12}

120°.

 G_{13}

18572—2014

120°.
9.12
20° . 40° . 60° .
45 60 ,
40 ± 2° .
40 (3 ± 0.03)
Rz 40

10 %
9.13 4543.
9.14 9013.
9.15 (, ,
) 801. 10243.
9.16

9.17 6479.
9.18 2477.
9.19
9.20

9.21

9.22

10

520.

11 ,

11.1

11.2

10.3

3325.

11.4

11.5

11.6

11.7

11.8

12

12.1

12.2

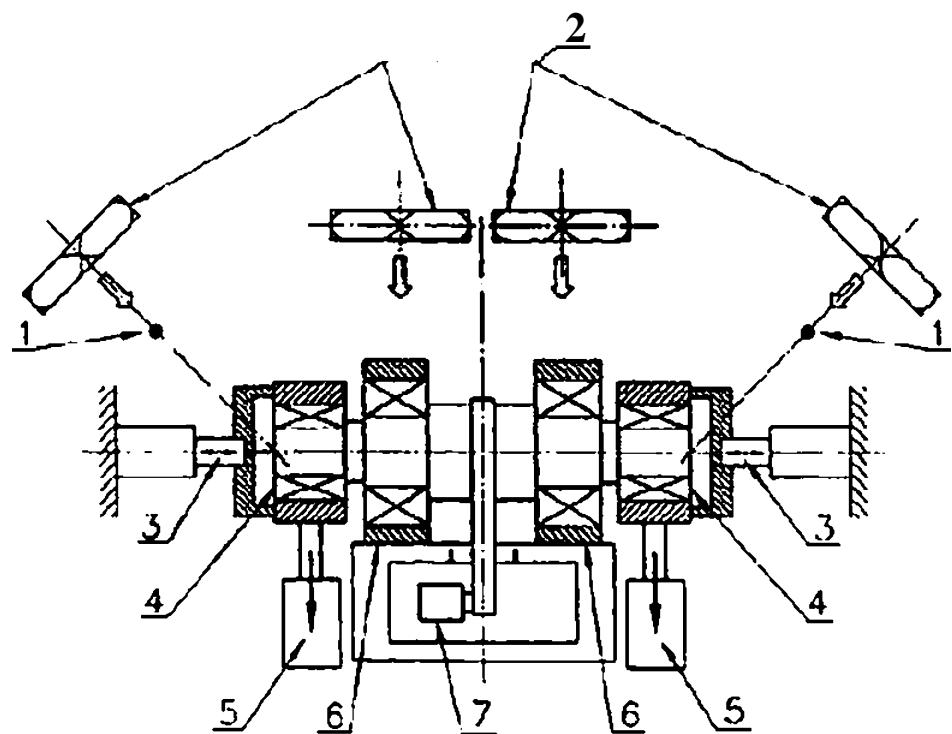
12.3

12.4

(.1)

.1

.1.



1 -

: 3-

5 -

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: 4 -

: 7 -

.2

.1 -

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 τ_b , $5,836r_k$ *1

(.1)

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$\pm 3\%$

.5

$F_m >$

$$\rho_m = 0,6(F_0 - TM_{oS}),$$

(.2)

0

0

$$, \quad ^2 (- 9.81 \quad *).$$

$\pm 3\%$

.6

$F^A,$

$$\wedge 0,255 (10000 +),$$

()

$\pm 6\%$

20 %

.7

250

/ .

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(

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8

10

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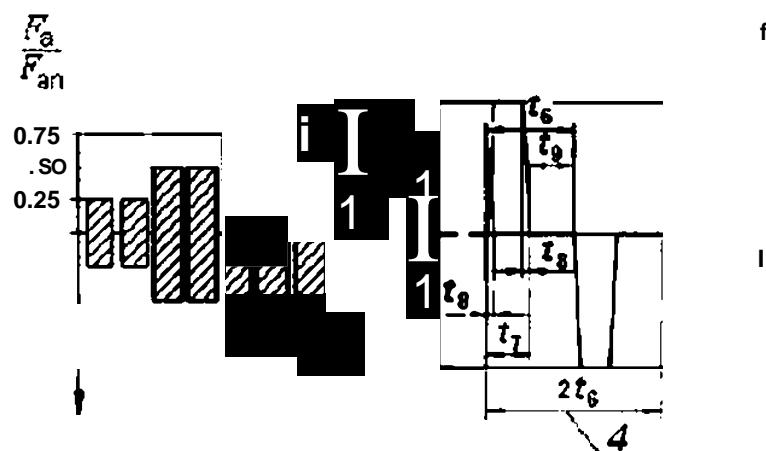
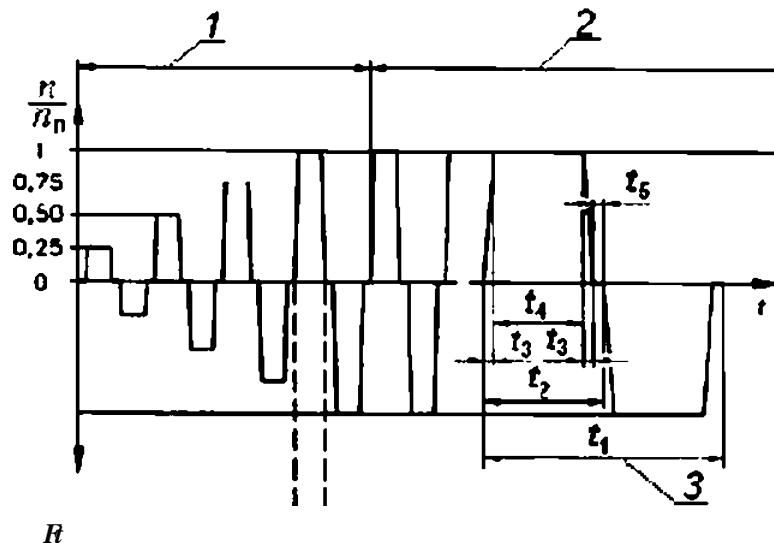
15 ° 25 °

75 % 100 %

25%. 50%.

5 °

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| | 160 | 2* | 2t ₃ *U*k | 5 | 220 | 10 | t ₇ I ₉ | 5 | 0.2 | 0 5 |
| * | 160 | | | 10 | 90 | | | | | |
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 • 600000
 2S0 /
 . 800000

160
 2S0 /

200000

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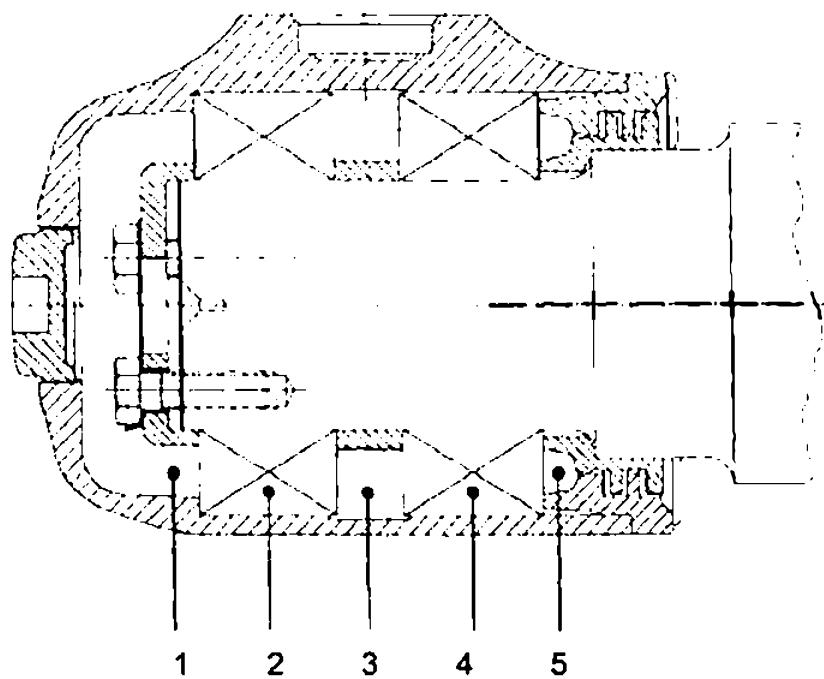
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| | | 160 / 160 / |
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| , | 20 | 70" |
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12.01.2015. 60x84'«.

. . . 3.26. 44 . . . 413.

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**123995 .. 4.
www.gosbnfo.ru info@gostinfo.ru**