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II

Safety slipping couplings. Parameters, design and dimensions

2000—07—01

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$$\begin{array}{ccccccccc} & 6,3 & 16 & 000 & \bullet & , & : & & 2-4, \\ 3.1,4, & 4.1, & 4.2 & & 15150 & & (&) , \\ 1-5, & & & 3.1, & 4, & 4.1, & 4.2, & 5 & 15150 \end{array}$$

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9.306—85

613—79
1050—88

1139—80

4543—71

6033—80

30°.

10549—80

11871—88

2080—66

1

13770—86

1

13771—86

2

13942—86

15150—69

23360—78
24643—81

3

3.1

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1.

3.2

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1 12080
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23360;

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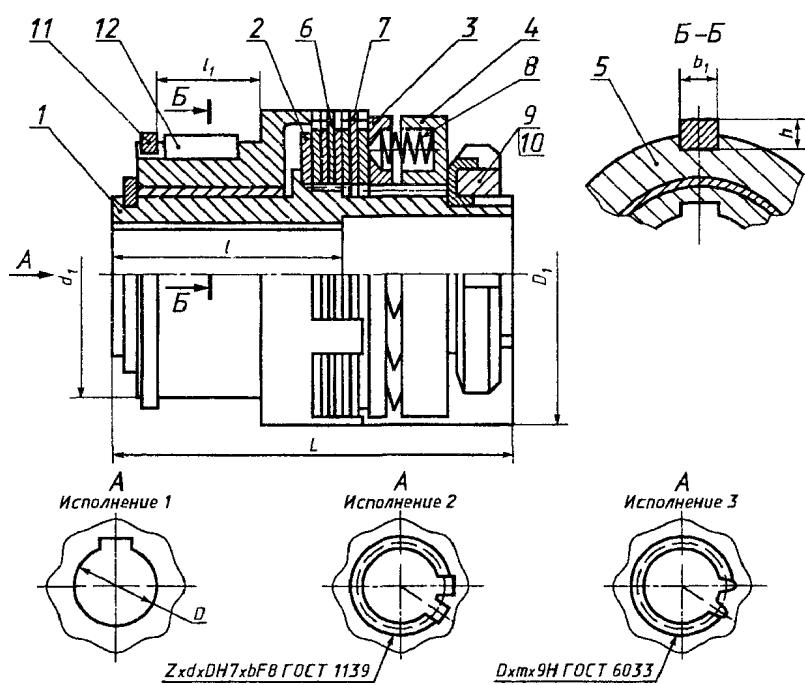
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| 2 2 _s S It* 1 &sf | D 7 1; (2) | X 0 1 S | 14 | d 14 | dx | L | / | | X « 5 | h | | h | Z | | | | | | | |
|---------------------------------------|------------------|------------------|----|---------|----|----|-----|----|----------|---|---|---|---|--|---|---|----|------|------|--|
| 6,3 | 9; 10; 11 | 1 | | | 32 | 75 | 30 | 14 | 4 | | 4 | | | | | — | 50 | 0,64 | | |
| 10 | 12; 14 | 1 | | 11 | | 80 | 25 | | 16 | | | 6 | | | | | | | 0,68 | |
| | 14 | 2 | | | | | | | | , | | | | | 1 | | | | | |
| | 12; 14 | 3 | | | | | | | | | | | | | | | | | | |
| 16 | 12; 14 | 1 | | — | | 30 | | | 5 | | | | | | | | 42 | | | |
| | 16 | 1 | | | | 40 | | | | | | | | | | | | | | |
| | 14 | 2 | | 11 | | 25 | | | | | | | | | | | | | 0,75 | |
| | 16 | 2 | | | | 28 | | | | | | | | | | | | | | |
| | 12; 14 | 3 | | | | 25 | | | | | | | | | | | | | | |
| | 15 | 3 | | ~ | | 28 | | | | | | | | | | | | | | |
| 25 | 14 | 1 | | | | | 30 | | | | | | | | | | | | | |
| | 16; 18; (19) | 1 | 65 | 11 | | 40 | | | | | | | | | | | | | | |
| | 14 | 2 | | 13 | | 40 | | | | | | | | | | | | | 1,10 | |
| | 16 | 2 | | | | 25 | | | | | | | | | | | | | | |
| | 14 | 3 | | | | 28 | | | | | | | | | | | | | | |
| | 15; 17 | 3 | | | | 25 | | | | | | | | | | | | | | |
| | | | | | | 28 | | | | | | | | | | | | | | |
| 40 | 18; (19) | 1 | | | | | 40 | | | | | | | | | | | | | |
| | 20 | 1 | 70 | | | | 50 | | | | | | | | | | | | | |
| | 22 | 1 | | 16 | | | 36 | | | | | | | | | | | | 1,20 | |
| | 20 | 2 | | 18 | | | 4,0 | | | | | | | | | | | | | |
| | 22 | 2 | | | | | 5,0 | | | | | | | | | | | | | |
| | 17 | 3 | | | | | | | | | | | | | | | | | | |
| | 20; 22 | 3 | | | | | | | | | | | | | | | | | | |
| 63 | 20; 22; (24) | 1 | | | | | 50 | | | | | | | | | | | | | |
| | 25 | 1 | | | | | 60 | | | | | | | | | | | | | |
| | 20 | 2 | 85 | 16 | | | 36 | | | | | | | | | | | | 2,00 | |
| | 22 | 2 | | 18 | | | 42 | | | | | | | | | | | | | |
| | 25 | 2 | | 21 | | | 36 | | | | | | | | | | | | | |
| | 20; 22 | 3 | | | | | 42 | | | | | | | | | | | | | |
| | 25 | 3 | | | | | | | | | | | | | | | | | | |
| 100 | (24) | 1 | | | | | 50 | | | | | | | | | | | | | |
| | 25; 28 | 1 | | — | | | 60 | | | | | | | | | | | | | |
| | 30 | 1 | | | | | 80 | | | | | | | | | | | | | |
| | 25 | 2 | 95 | 21 | | | 42 | | | | | | | | | | | | 3,60 | |
| | 28 | 2 | | 23 | | | 58 | | | | | | | | | | | | | |
| | 25; 28 | 3 | | | | | | | | | | | | | | | | | | |
| | 30 | 3 | | | | | | | | | | | | | | | | | | |

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| | D 7 1, (2) | 4 | d 14 | ? | z | S ² I. | *4 |
|------|-------------------------------|---|---------|-----|-----|----------------------|-----|
| | | | | 4 | | | |
| | 28 | 1 | 100 | 60 | | | |
| | (30), 32 | 1 | | 80 | | | |
| 160 | 28 | 2 | | 150 | 42 | 36 | 6,0 |
| | 32 | 2 | | 70 | 42 | | 10 |
| | 28 | 3 | | 58 | | | |
| | 30, 32 | 3 | | 58 | | | |
| | 36, (38) | 1 | 120 | 80 | | | |
| | 40 | 1 | | 110 | | | |
| 250 | 38 | 2 | | 160 | 42 | | 6,0 |
| | 35, 38 | 3 | | 80 | | | |
| | 40 | 3 | | | | | |
| | (38) | 1 | 145 | 80 | | | |
| | 40, (42), 45, (48) | 1 | | 110 | | | |
| 400 | 38 | 2 | | 90 | 100 | 58 | 48 |
| | 42 | 2 | | 32 | | | 6,0 |
| | 48 | 2 | | 36 | | | 7,0 |
| | 38 | 3 | | 42 | | | 8,0 |
| | 40, 42, 45 | 3 | | | | | |
| | 55, 45, (48), 50, (53) | 1 | 155 | 95 | 240 | 56 | 10 |
| 630 | 48, 54 | 2 | | | | | 16 |
| | 45, 50, 55 | 3 | | | | | |
| | 50, (53), 55, (56) | 1 | 170 | 110 | | | |
| | 60, 63 | 1 | | 120 | 270 | 140 | |
| 1000 | 54 | 2 | | | | 82 | |
| | 60 | 2 | | | | 105 | |
| | 50, 55 | 3 | | | | 82 | |
| | 60 | 3 | | | | | |
| | 60, 63, (65), 70, 71, (75) | 1 | 200 | 140 | | | |
| 1600 | 60, 65, 72 | 2 | | 140 | 285 | 75 | 22 |
| | 60, 65, 70, 75 | 3 | | | | 105 | |
| | 70, 71, (75) | 1 | 240 | 140 | | | |
| 2500 | 80, (85), 90 | 1 | | 150 | 330 | 170 | 90 |
| | 72 | 2 | | | | 105 | |

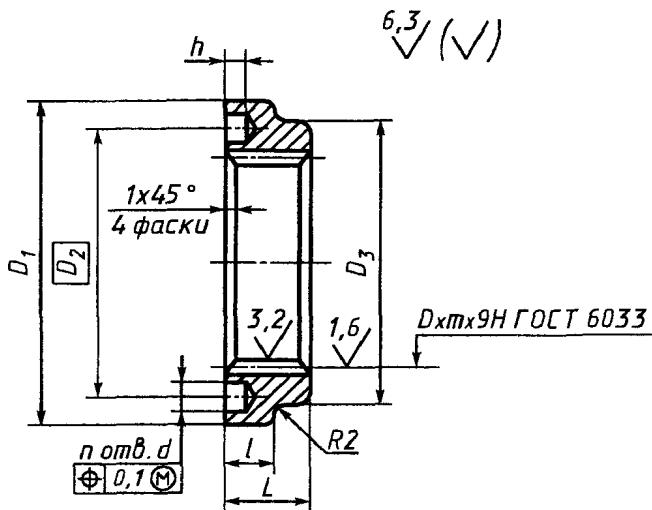
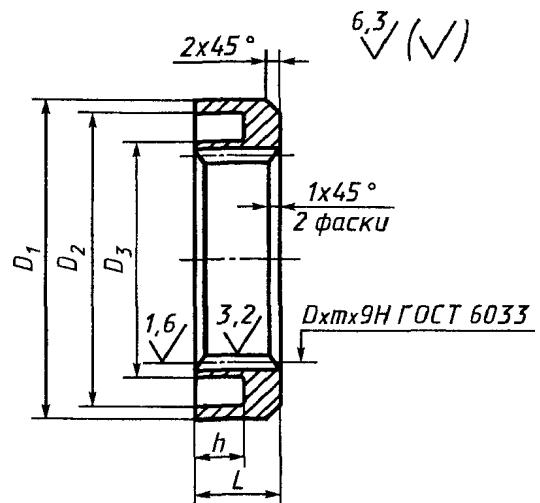
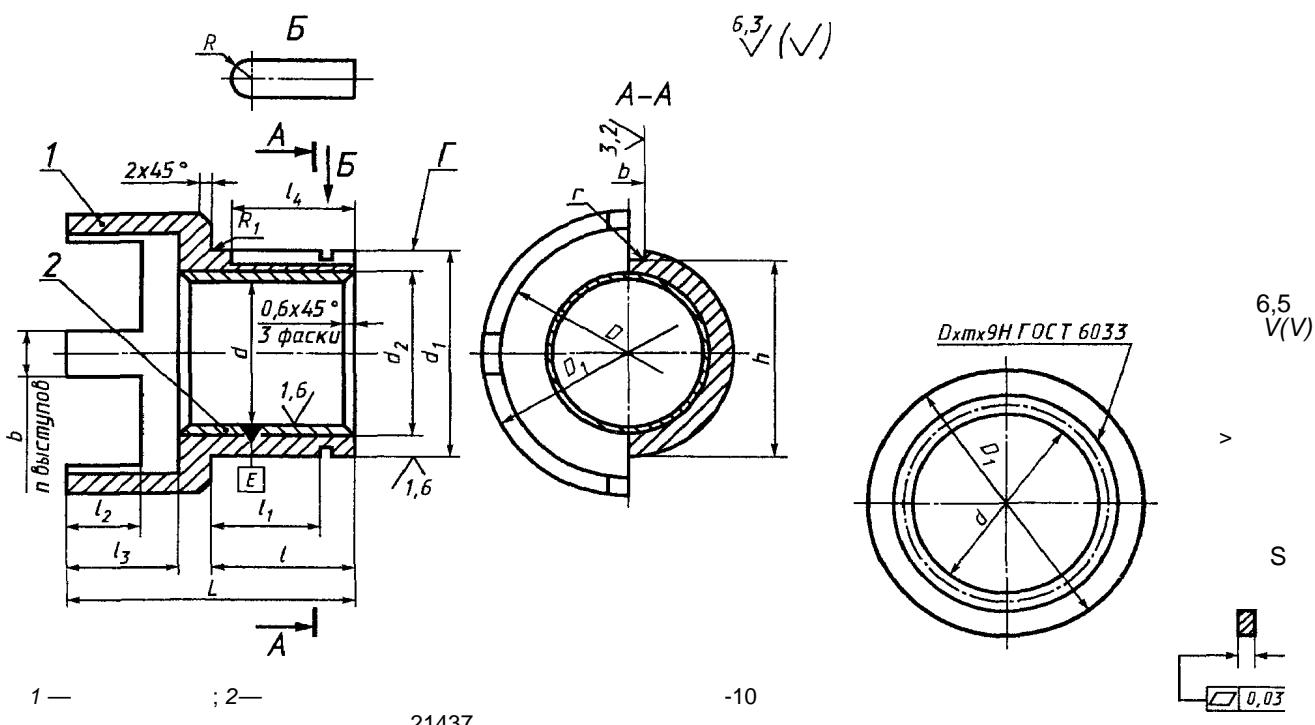


Рисунок А.3



.4



.6

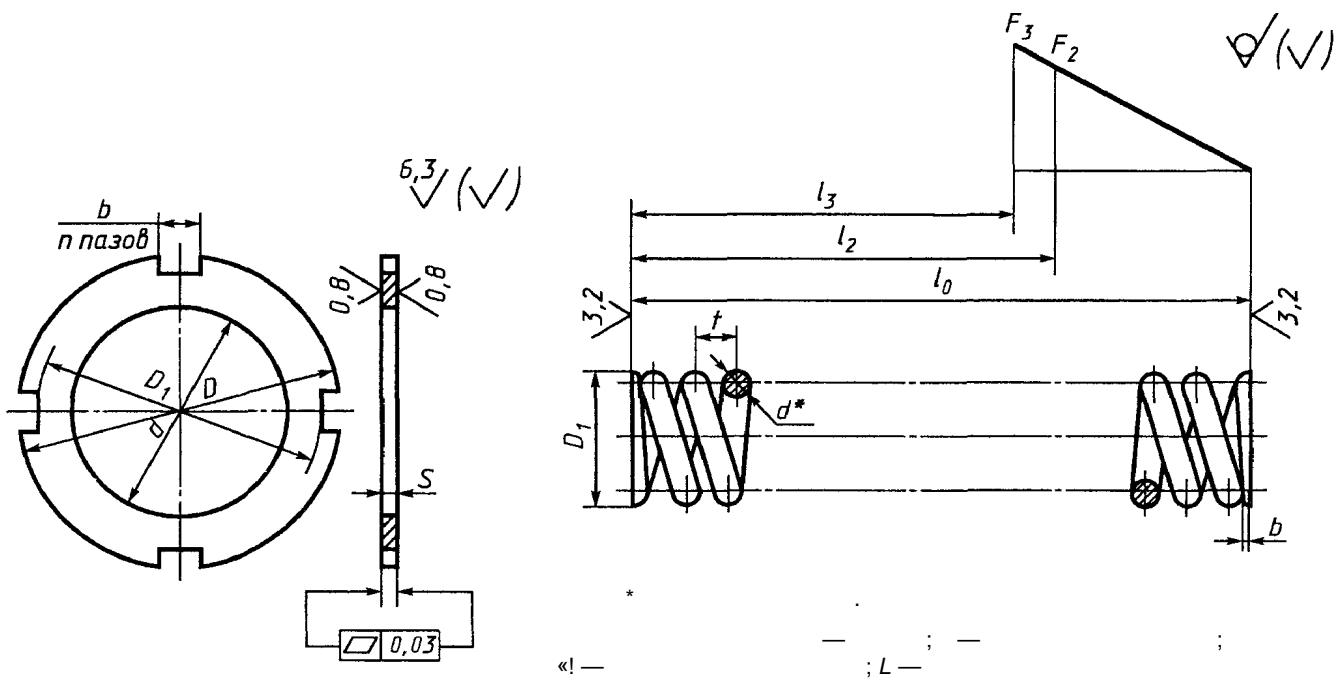


Рисунок А.7

.8

| $\wedge > \wedge \wedge$ | D | 4 | | h 14 | d 14 | | | h $\pm 2/2$ | / 4 | L h 14 | , | , | | | | | | | |
|--------------------------|-----|-----|-----|------|-----------|-----|----|------------------|-----|-------------|------|------|----|----|------|--|--|------|--|
| 6,3; , | 32 | 50 | 40 | 44 | 6,3 | 1,5 | 14 | 3 | 6 | 11 | 0,04 | | | | | | | | |
| 16,0 | | | | | | | 15 | | | | | | | | | | | | |
| 25,0 | | 40 | 60 | 50 | | | 54 | | | | | 14 | | | | | | 0,05 | |
| 40,0 | | | 70 | 60 | | | | | | | | 19 | | | | | | | |
| 63,0 | 45 | 67 | 56 | 58 | 7,0 | 2,5 | 17 | 8 | 14 | 15 | 0,33 | 0,11 | | | | | | | |
| 100,0; 160,0 | 60 | 95 | 75 | 78 | 11,0 | | 13 | | | | | 5 | 10 | | | | | | |
| 250,0 | 65 | 115 | 90 | | 13,0 | | 16 | | | | | 6 | 12 | 16 | 0,51 | | | | |
| 400,0 | 80 | 140 | 115 | 108 | 15,0 | | 18 | | | | | 7 | 15 | 21 | 0,76 | | | | |

.4

| $\wedge *$ | D | 4 | 14 | 14 | | h $\pm 2/2$ | L 4 | , | | | | |
|-----------------|-----|-----|-------|-------|-----|------------------|----------|------|--|--|--|--|
| 6,3; 10,0; 16,0 | 32 | 50 | 46,3 | 33,7 | 1,5 | 8,0 | 10,5 | 0,10 | | | | |
| 25,0 | 40 | 60 | 56,0 | 44,0 | | | | | | | | |
| 40,0 | | 70 | 66,0 | 54,0 | | | | | | | | |
| 63,0 | 45 | 67 | 63,0 | 49,0 | 2,5 | 9,5 | 13,0 | 0,17 | | | | |
| 100,0; 160,0 | 60 | 95 | 86,0 | 64,0 | | 15,0 | 19,0 | 0,42 | | | | |
| 250,0 | 65 | 115 | 103,0 | 77,0 | | 18,0 | 24,0 | 0,52 | | | | |
| 400,0 | 80 | 140 | 130,0 | 100,0 | | 21,0 | 28,0 | 0,92 | | | | |

.5

| | D_{14} | d_7 | di | \wedge_2_{14} | $R_{/2}$ | $\pm t_2/2$ | | L_{hl4} | / *2/2 | $\pm \alpha_{i/2}$ | ' | h | $\pm tJ/2$ | dl | 9 | $h_{-0,2}$ | - | |
|-------|----------|-------|------|-----------------|----------|-------------|--|-----------|--------|--------------------|----|-----|------------|------|-----|------------|------|------|
| 6,3 | | 20 | 32 | 22 | 2,0 | 0,1 | | 38 | 18 | 14 | 9 | | 16 | | 4 | 29,5 | 0,14 | |
| 10,0 | | 45 | 24 | 38 | 26 | 2,5 | | 45 | 21 | 16 | 10 | | 19 | | 8 | 5 | 35,0 | 0,17 |
| 16,0 | | | 25 | | 28 | | | 48 | 23 | 18 | 12 | 20 | 22 | | | | | |
| 25,0 | | 55 | 30 | | 32 | 3,0 | | 53 | 30 | 21 | 10 | 19 | | 28 | | 6 | 41,5 | 0,35 |
| 40,0 | | 60 | 32 | | 34 | | | 60 | | 24 | 15 | 24 | | | | | | 0,31 |
| 63,0 | | 75 | 38 | 55 | 41 | 4,0 | | 75 | 35 | 28 | 25 | 35 | 33 | | | 8 | 51,0 | 0,14 |
| 100,0 | | 85 | 46 | 65 | 49 | | | 70 | 38 | 32 | 20 | 27 | 38 | | | | 60,0 | 0,34 |
| 160,0 | | 90 | 45 | 68 | 48 | | | 85 | 42 | 34 | | 36 | 40 | | | 10 | 63,0 | 1,24 |
| 250,0 | | 110 | 58 | 85 | 61 | 6,0 | | 95 | 48 | 39 | | 39 | 46 | | | 12 | 80,0 | 1,75 |
| 400,0 | | 135 | 65 | 90 | 68 | 7,0 | | 105 | 57 | 48 | | 38 | 54 | 16 | 14 | 84,5 | 2,28 | |

.6

| \wedge | D | 14 | | D_{11} | s_2 | , |
|-----------------|-----|-----|--|----------|-------|---|
| 6,3; 10,0; 16,0 | 32 | 44 | | 29 | | |
| 25,0 | | 54 | | 37 | | |
| 40,0 | | 59 | | | | |
| 63,0 | 45 | 74 | | 40 | | |
| 100,0 | | 84 | | 55 | | |
| 160,0 | | 86 | | | | |
| 250,0 | 65 | 105 | | 60 | | |
| 400,0 | 80 | 132 | | 75 | | |

.7

| $\wedge > \wedge$ | D_4 | 4 | d_{14} | b | | s_{hl2} | , |
|-------------------|-------|-----|----------|-----|--|-----------|-------|
| 6,3; 10,0; 16,0 | 49 | 44 | 33 | 8 | | | 0,003 |
| 25,0 | 64 | 54 | | | | 0,8 | 0,050 |
| 40,0 | 69 | 59 | 41 | 10 | | | 0,080 |
| 63,0 | 85 | 74 | 46 | | | | 1,0 |
| 100,0 | 95 | 84 | | | | | 0,020 |
| 160,0 | | 89 | 61 | 12 | | | |
| 250,0 | 120 | 109 | 70 | | | 1,2 | 0,040 |
| 400,0 | 145 | 134 | 90 | 16 | | | |

| $\hat{\chi}$ | | | | | $f_{2'}$ | F_3' | d | 14 | t | hi 4 | h_{hl4} | h | h | L_{hl4} | - | - | |
|---------------|-------|-----|------|------|----------|--------|------|------|-----|------|-----------|------|------|-----------|----|------|--|
| 6,3 | | | | | | | | | | | | | | | | | |
| 10,0 | | | | | | | | | | | | | | | | | |
| 16,0, 25,0 | | | | | | | | | | | | | | | | | |
| 40,0 | | | | | | | | | | | | | | | | | |
| 63,0 | | | | | | | | | | | | | | | | | |
| 100,0 | | | | | | | | | | | | | | | | | |
| 160,0 | | | | | | | | | | | | | | | | | |
| 250,0 | 13771 | 327 | 15,0 | 16,5 | 95±2 | 106,0 | 1,60 | 12,0 | 2,8 | 0,40 | 44,8 | 30,4 | 28,8 | 538,5 | 16 | 0,05 | |
| 400,0 | 13770 | 394 | 14,0 | 15,5 | 140+14 | 160,0 | 2,24 | 14,0 | 3,3 | 0,55 | 48,7 | 34,9 | 33,0 | 585,2 | 18 | 0,17 | |

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