



**71238—  
2024**

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3 19 2024 . 333-  
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| 5   | .....     | 5  |
| 6   | .....     | 5  |
| 6.1 | ( ) ..... | 5  |
| 6.2 | .....     | 5  |
| 6.3 | .....     | 5  |
| 7   | .....     | 6  |
| 8   | .....     | 6  |
| 9   | .....     | 7  |
| 10  | .....     | 8  |
| 11  | .....     | 9  |
| 12  | .....     | 15 |
| 13  | .....     | 16 |
|     | ( ) ..... | 18 |
|     | ( ) ..... | 19 |
|     | .....     | 24 |

**71238—2024**

71238—2024

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|-------|--------------|-----------|
|       |              |           |
| 12.20 | ( , - ),     | ( , - ),  |
| .1.2. |              |           |
|       | 25.507.      | ,         |
|       | ,            | ,         |
| ,     | - 100 000    | ,         |
|       | ,            | ,         |
| ,     | - 500 000 —  | - 500 000 |
|       | 80 % ;       | ;         |
|       | ( 12 2024 .) |           |

Suspended cableways for transportation of people. Single-rope ring cableways.  
Test methods

— 2024—09—01

**1**

( , )

( , ).

**2**

12.1.003  
12.4.026

19.301

25.507

15150

16504

18464  
23207  
24940  
29266

30630.0.0

30630.2.1

30630.2.2

31191.1 ( 2631-1:1997)  
1.

34872  
1940-1

1940-2

1.  
2.

ISO 9612

ISO/IEC 17025

2.601  
8.568

50571.16/ 60364-6:2016  
53603  
56041

6.

56542  
56921/ISO/IEC/IEEE 29119-2:2013  
2.  
56922/ISO/IEC/IEEE 29119-3:2013  
3.

58973  
71233

71234-2024

71235

71236

71237

13018  
3452-1

1.

10865-1

1.  
10865-2

2.

17637

1

( ).

3

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|--------|--------|---|--------|--------|--------|
| 34872, | 56542, |   | 2.601, | 16504, | 23207, |
| 3.1    | :      | , |        | -      | -      |
| 3.2    | :      | , |        |        |        |
| 3.3    | :      | , |        |        |        |
| 3.4    | :      |   |        |        |        |

1-3

4

4.1

( )

( )

$$\left( \frac{1}{\sqrt{2}}, -\frac{1}{\sqrt{2}}, 0, 0 \right)$$

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4.2

53603.

( )

4.3

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4.5

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(        )

4.13

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**6**

**6.1** ( )  
**6.1.1** ( )

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 - ( ) ;  
 - , , ;  
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**6.1.2** ( )  
 ISO/IEC 17025.

**6.1.3** ( ).  
**6.1.4**

**6.2**

, 56041,

**6.3**

**6.3.1** , ISO/IEC 17025 , -

20 % 95 % . -

29266.  
 ( )

**6.3.2** 8.568.

6.3.3 , , , , ( )

6.3.4

6.3.5

## 7

7.1

7.2 ( , )  
10 °C. 20 °C

1,5 , , 15 / .

7.3

7.4 10 %.

7.5

## 8

8.1

8.2

8.3

8.4

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8.6

8.7



9.5

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10.1

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10.2

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71236,

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11

11.1



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| 13018,<br>17637,<br>29266,<br>25.507,<br>3452-1,<br>30630.0.0,<br>30630.2.1                       | - | ( )<br>1).<br>- | 1).<br>-<br>2) | 71234<br>-<br>2) |
| 13018,<br>17637,<br>29266,<br>25.507,<br>3452-1,<br>1940-1,<br>1940-2,<br>30630.0.0,<br>30630.2.1 |   | ( )<br>1).<br>- | 1).<br>-<br>1) | 71235<br>-       |
| 13018,<br>17637,<br>29266,<br>25.507,<br>3452-1   | - | 1)              | 1).            | 71235<br>-       |
| 13018,<br>17637,<br>29266,<br>25.507,<br>3452-1,<br>30630.0.0,<br>30630.2.1                       |   | 1).<br>-        | 1).            | 71235<br>-<br>2) |
| 13018,<br>17637,<br>29266,<br>25.507  |   | 2)              | ,              | 71235<br>-<br>-  |

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| ,  |                  |                                   | ,          |                 |
| ( ),   |                  |                                   | ,          |                 |
| 13018,<br>17637,<br>29266,<br>25.507,<br>18464,<br>3452-1,<br>30630.0.0,<br>30630.2.1    | -                | (<br>1).<br>1).<br>1).            | 71235<br>- | 2)              |
| 13018,<br>17637,<br>29266,<br>25.507,<br>3452-1,<br>12.4.026,<br>30630.0.0,<br>30630.2.1 | (<br>-<br>)<br>- | ,<br>. .<br>3).<br>(<br>1).<br>2) | 71233<br>- | ,<br>( ,<br>, ) |
| 13018,<br>17637,<br>29266,<br>25.507,<br>3452-1,<br>30630.0.0,<br>30630.2.1              |                  | ,<br>,                            | 71233<br>- | ,<br>( ,<br>, ) |
| 13018,<br>17637,<br>29266,<br>25.507,<br>3452-1,<br>30630.0.0,<br>30630.2.1              | -                | ,<br>,                            | 71233<br>- | ,<br>( ,<br>, ) |

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| 13018,<br>17637,<br>29266,<br>25.507,<br>3452-1,<br>30630.0.0,<br>30630.2.1                       |   | 1),<br>1),<br>1) | 1),<br>1),<br>1),<br>- | 71233<br>, |
| 13018,<br>17637,<br>29266,<br>25.507,<br>3452-1,<br>30630.0.0,<br>30630.2.1                       |   | 1),<br>1),<br>1) | 1),<br>1),<br>1),<br>- | 71233<br>, |
| 13018,<br>17637,<br>29266,<br>25.507,<br>3452-1,<br>30630.0.0,<br>30630.2.1,<br>30630.2.2         | - | ,                | ,                      | 71233<br>, |
| 13018,<br>17637,<br>29266,<br>25.507,<br>3452-1,<br>1940-1,<br>1940-2,<br>30630.0.0,<br>30630.2.1 |   | (<br>1).         | ,<br>1).               | 71233<br>, |
| 13018,<br>17637,<br>29266,<br>25.507,<br>3452-1,  | - | (<br>1).         | ,<br>1).               | 71233<br>, |

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| 1940-1,<br>1940-2,<br>30630.0.0,<br>30630.2.1                               |        | 1).                  |  |       |
| 13018,<br>17637,<br>29266,<br>25.507,<br>3452-1,<br>30630.0.0,<br>30630.2.1 | -      | ,                    | 71233<br>2)  |       |
| 13018,<br>17637,<br>29266,<br>25.507,<br>3452-1,<br>30630.0.0,<br>30630.2.1 |        | ,                    | 71233<br>3)  |       |
| 50571.16,<br>13018,<br>30630.0.0,<br>30630.2.1,<br>30630.2.2                | -      | ,                    | ( ), -<br>71237.<br>1.1.29,<br>1.1.30, 1.7.51,<br>1.7.53, 1.7.76—<br>1.7.79, 1.7.121,<br>1.7.123—1.7.132,<br>1.7.144, 1.7.145,<br>2.1.14, 2.1.17,<br>2.1.18, 2.1.21—<br>2.1.31, 2.1.35,<br>3.1.7, 3.4.9,<br>3.4.12, 4.1.9—<br>4.1.11, 4.1.13 [1] | -     |
| 1)<br>2)<br>,   |        | ( . . . )<br>12 13). | ( , , )  | , , , |
| 3)  | 15150. |                      |  |       |

**12**

12.1

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12.3

12.4

ISO 9612

12.1.003

100

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12.5

31191.1.

12.6

0,1

12.7

50571.16.

12.8

30630.0.0.

(

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12.8.1

±2 °C.

12.8.2

24

12.8.3

±3 °C.

30

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12.8.4

12.8.5

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12.8.6

12.9

12.10

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12.12

12.13  
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12.18

12.19

12.20

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131

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13.3    13.4,

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.1.1

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**.1.2**

25.507.

 $5 \cdot 10^5$ 

- 100 000

- 250 000

- 500 000

- 5 000 000

80 %

.1 (

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**.1.3**

( )

 $F_m$ ( ) —  
s<sub>m</sub>

.1 —

|         | 1                |                  | 2                |                  |
|---------|------------------|------------------|------------------|------------------|
| $F_E$ , | $F_1 > F_2$      | —                | ~ ^"             | ~                |
| $A_F$ , | 2F               | " "              | 2.5F             | 2>5              |
|         | $4.5 \cdot 10^6$ | $4.5 \cdot 10^6$ | $0.5 \cdot 10^6$ | $0.5 \cdot 10^6$ |

1  
 :  
 1 ; AF— :  $F_{CTaT}$  — ,  
 As — ;  $N$  — , — ,  
 2 ,  
 3 1  $2.5 \cdot 10^6$  ,  
 2,5  $10^6$   $45^\circ$

**.1.4**

3452-1

( , .).

**.2**

.2.1

.2.2

30630.2.2.

.2.3

.2.4

1/6

.2.5

.2.6

.2.7

.2.8

.2.9

10

5

**.2.10**

.2.10.1

 $F_{3KC}$  $F_{max}$ ,

.2.10.2

 $F_{3KC}$ 

6.1.17

71234—2024.

.3.1

$$F_{0Tp}$$

.3.1.1

.3.1.2

.3.1.3

$$1/6$$

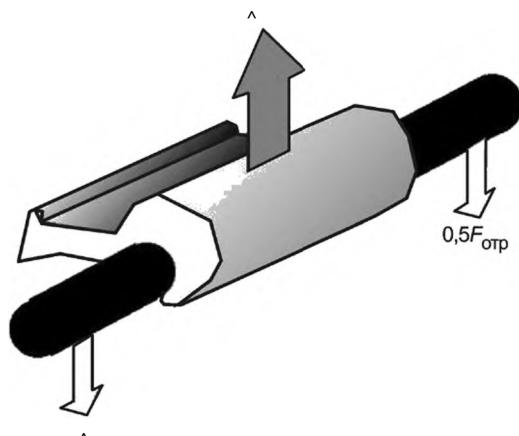
.3.1.4

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.1 —

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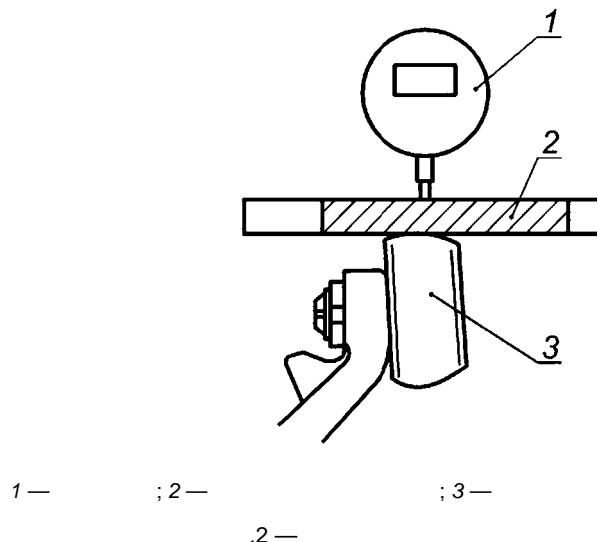
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.4.1

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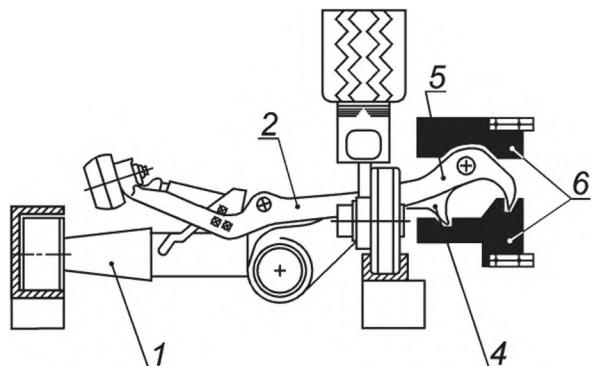
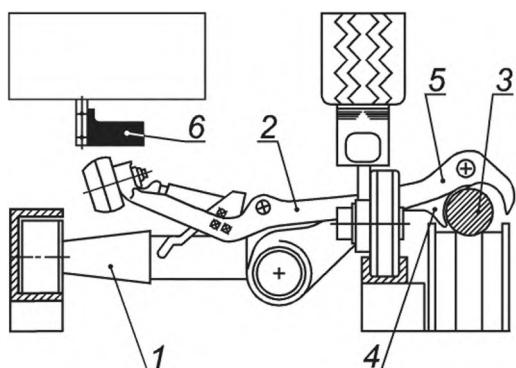


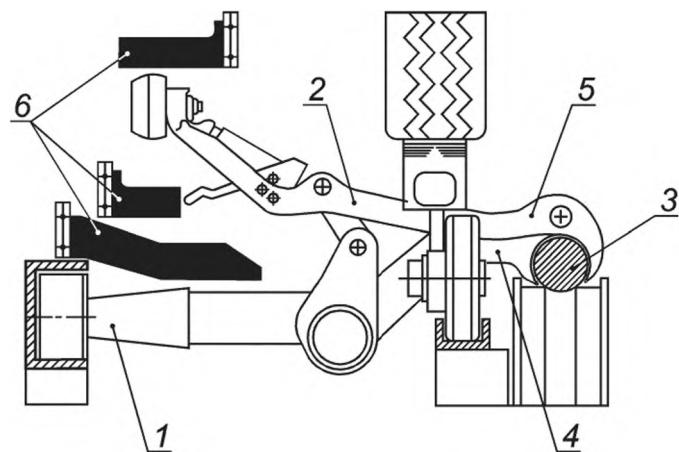
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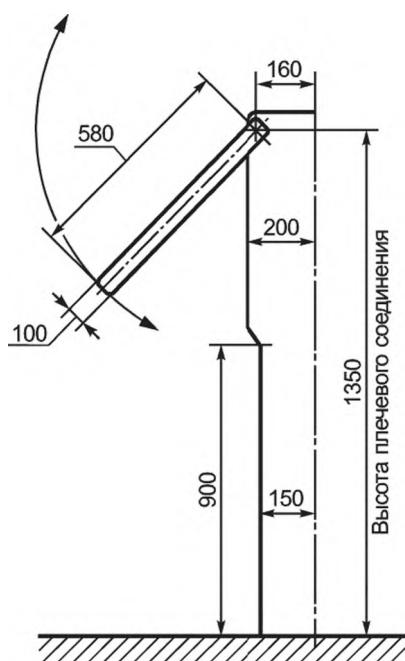
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45.100

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117418 , . . 31, . 2.  
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