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INTERSTATE COUNCIL FOR STANDARDIZATION, METROLOGY AND CERTIFICATION
(ISC)

d 4 EN
IZO«H
2014

(EN 12841:2006, IDT)



2015

1.0—92 «
 1.2—2009 «
 1 «
 2
 3 (29 2014 . 69-)

(no 3166)004-97	3166)004-97 (
	AM BY KG RU	

4 2014 . 1226- EN 12841-2014 26
 9 2015 .
 5 EN 12841:2006
 «Personal fall protection equipment - Rope access systems - Rope adjustment devices» ()
 - (IDT).

12841—2012
 6
 « »
 « »
 « »
 © , 2015

EN 1891.

(. EN 813)

(. EN 361)

Occupational safety standards system Personal protective equipment against falls from a height. Rope access systems.
Rope adjustment devices. General technical requirements. Test methods

— 2015—09—09

1

2

EN 362, Personal protective equipment against falls from a height — Connectors

()
EN 364, Personal protective equipment against falls from a height — Test methods ()

EN 365, Personal protective equipment against falls from a height — General requirements for instructions for use, maintenance, periodic examination, repair, marking and packaging ()

EN 892, Mountaineering equipment. Dynamic mountaineering ropes - Safety requirements and test methods ()

EN 1891. Personal protective equipment for the prevention of falls from a height. Low stretch kemmantel ropes ()

ISO 7500-1, Metallic materials - Verification of static uniaxial testing machines - Part 1: Tension/compression testing machines - Verification and calibration of the force measuring system () 1.

ISO 9227, Corrosion tests in artificial atmospheres - Salt spray tests ()

3

3.1 (adjustable anchor line):

3.2 (anchor line):

- 3.3 (anchor):
- 3.4 (arrest distance):
- 3.5 (braking force):
- 3.6 (component):
- 3.7 (attachment point):
- 3.8 (descent control element):
- 3.9 (hands-free locking element):
- 3.10 (panic - locking element):
- 3.11 (personal fall protection system):
- 3.12 (maximum rated load):
- 3.13 (release prevention function):
- 3.14 (access system):
- 3.15 (rope adjustment device):

3.16 (type A rope adjustment device: safety line adjustment device):

3.17 (type adjustment device: working line ascender):

3.16 (type rope adjustment device working line descender):

3.19 (safety line):

3.20 (working line):

3.21 (work positioning):

EN 358.

4

4.1

4.1.1

5.

5.4.7,

EN 1891,

EN 1891

4.2.5 4.2.6
EN 1891

4.1.2

4.1.3	(. 5.4.2).
4.1.4	5.4.3.
4.1.5	300 5.4.4
4.1.6	5.4.5 5
4.1.7	5.4.6
4.1.8	5.4.7
4.1.9	200 - 100 , 4.2.5, 4.3.3 5.3.5 4.4.4
4.1.10	(. 5.3.3 - 5.3.7), (. 7),
4.1.11	4.2.5,4.3.3 4.4.4 6.
4.2	7.
4.2.1	4.1
4.2.2	4.2.2 - 4.2.7.
4.2.3	5.4.8.1.
4.2.4	1 *02 3 ' 25 100 5.5.2.

3 *0-25

5.5.3.

4.2.5

F_{tnax}

6

2

5.6.2

4.2.6

100

100

(

5.6.3)

4.2.7

2

100

100

5.6.3.3

(3 10,1)

3 *025

4.3

4.3.1

4.1

4.3.2-4.3.4.

4.3.2

5.4.8.2,

4.3.3

± 0,1)

3

100

5.5.2.

(4

4.3.4

4.4

4.4.1

4.4.2

4.4.3

100

100

9

2

(5.6.3)

4.1
4.4.2-4.4.9.

5.4.8.3

« »

(3 ± 0,1)
5.5.2.

3 *025

300

450 -45

4.4.4

*025

5.5.3.

12

3

4.4.5

100 . 100

(5.6.3)

4.4.6

5.6.3.5

(3 ± 0,1)

3 *025

4.4.7

5.7

100 , 100

4.4.8

2 /

5.7

100 , 100

4.4.9

5.7

100

100 ,

48 °C.

. EN 563.

5

5.1

EN 364.

EN 364 (

4.8).

EN ISO 7500*1.

EN 362.

5.2

4.1.1 4.1.2.

5.3

5.3.1

5.3.1.1

(. 5.3.2)

5.3.3 - 5.3.7.

5.3.1.2

5.3.3-5.3.6,

5.3.7 ().

5.3.1.3

5.3.2,

5.3.2

(23 ± 5) °C.

5.3.1.4

5

5.3.5 (),

5.3.6

(23 ± 5) °C.

5.3.7

30

5.3.3

5.3.1.5

5.3.4

(23 ± 5) °C.

2

5.3.2

5.3.3 (20 ± 2)

24

(65 ± 5) %

10 %.

72

5.3.4

(50 ± 2) °C

(85 ± 5) %.

24

(30 ± 2) °C.

2

(40 ± 2) * (50 ± 2) °C.

5.3.5

3 *05

5.3.6

10 " 30 * .

5.3.7

(20 ± 2) °C

30

(150)

(. EN 364, 4.8.4) ,

5

5

1 , 2 .

15

5.4

5.4.1

3 (

).

5.4.2 - 5.4.5

5.4.2

5.4.3

5.4.4

(100 ± 20)

300

5.4.5

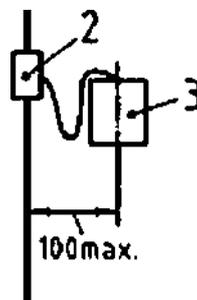
1

1.

5

(400 ± 20)

////(////



1 -

; 2 -

; 3 -

5

1 -

5.4.6

5.4.7

(20 ±2)

9227

24 *05

60 *5

24

60 *5

60 *5

24

5.4.8

5.4.8.1

5.4.8.2

5.4.8.3

5.5

5.5.1

5.4,

5.5.2 5.5.3

5.5.2

300

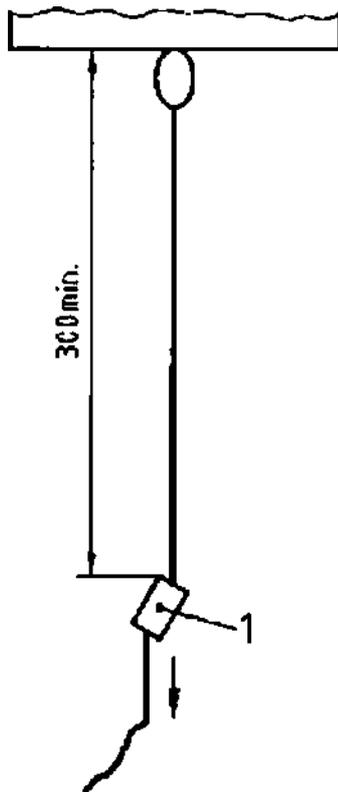
(2).

1

4.2.3, 4.3.3

4.4.3

3 *0-25



1 -

2 -

5.5.3

(. 3)

4).

(100 ± 20) /

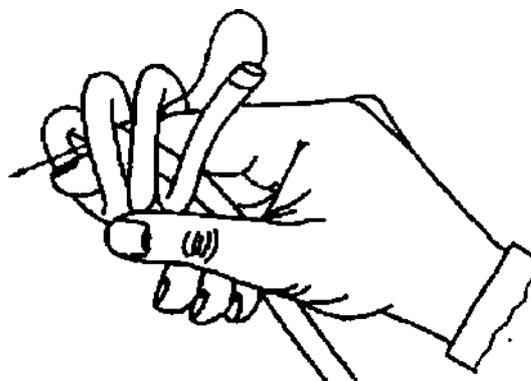
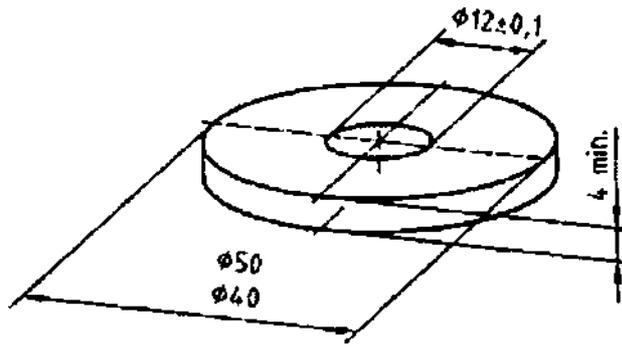


Рисунок 3 – Пример стопорного узла



$d = (12 + 1)$

12 ; $d = (16 + 1)$

4 -

5.6

5.6.1

5.6.1.1

5 (

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5.6.1.2

(. 5.6.1.4)

5.

$(9 \pm 1,5)$

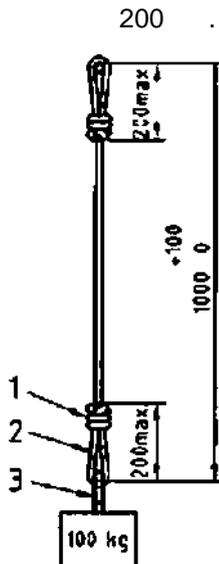
11 ,
EN 892,

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892

100 (

5)
1000 ;



1 - ; 2 -

; 3 -

5 -

5.6.1.3

5.6.1.3.1

5.6.1.3.2

5.6.1.3.3

5.6.1.4

5.6.1.2

5,

5.6.2

5.6.2.1

5.6.2.2

6),

(1000 ± 50)

5.6.2.3

(60 ± 5)

5.6.2.4

5.6.1.3.1

(250 ± 50)

5.6.2.5

5.6.1.3.2

(250 ± 50)

5.6.2.6

5.6.1.3.3

(250 ± 50)

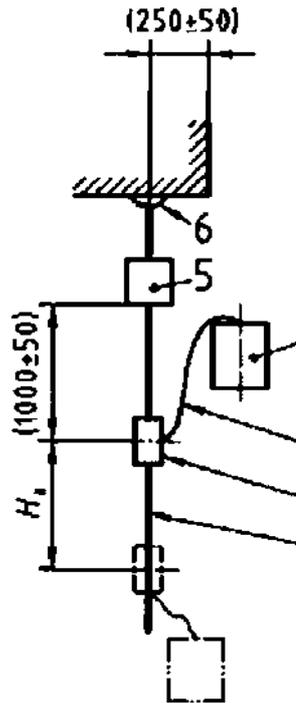
1

5.6.2.7

F_{max}

0,1

0,1



1 -

; 2 -

3 -

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4 -

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; 6 -

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6 -

5.6.3

5.6.3.1

5.6.3.2

(1000 ± 50)

(4000 ± 200)

6 7.

5.6.3.3

5.6.1.3.

8

5.6.1.3.1,

5.6.1.3.2 5.6.1.3.3.

(60 ± 5)

(2000 ± 50)

$(250 \pm$

50)

(. 6).

0,1

4.2.7,

EN 12841—2014

(3 ± 0,1)

5.6.3.4

5.6.1.2

5,

1000 °10°

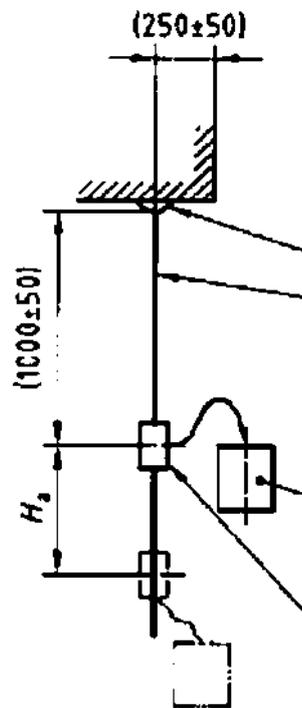
(60 ± 5)

(250 ±

50)

(. 7).

0,1



1 -

4 -

; 2 -

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7 -

5.6.3.5

5.6.1.2

5,

(60 ± 5)

1000 *100

(250 ±

50)

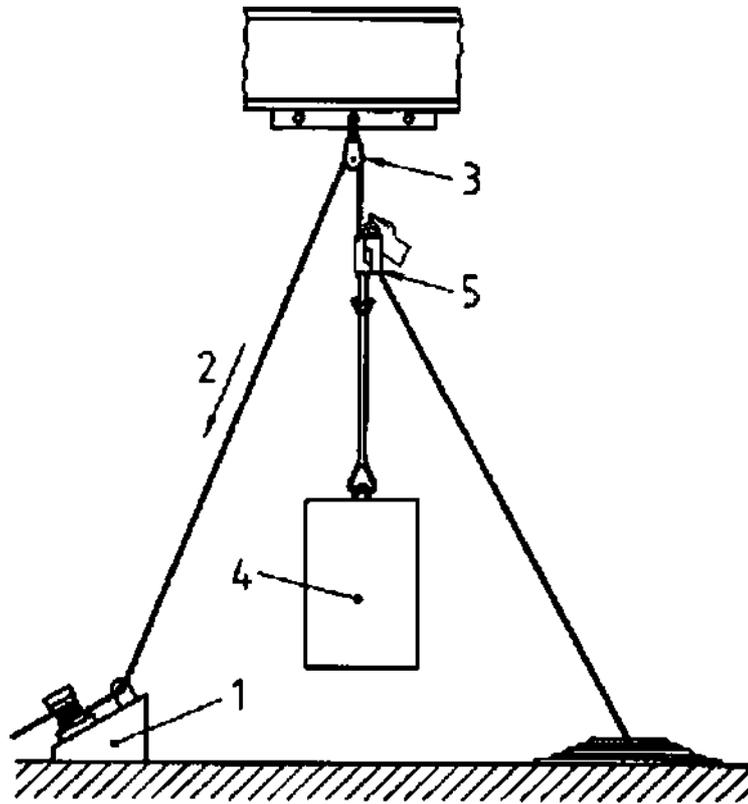
(. 7).

4.4.6,

$(3 \pm 0,1)$
 $3^{*0,25}$

5.7
5.7.1

8.



1 - ; 2 -
4 -

; 5 - ; 3 -

8 -

5.7.2

50 (

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5.7.3

5.7.4
5.7.4.1

5.7.4.2

5.7.3.

(50 ± 1)

0 - 1

2

30 *5

5.7.4.3

8

1

6

365

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EN 365

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b)

c)

3.16 - 3.18,

d)

(, . , A/ . / /);

e)

f)



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7

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EN 365.

a)

b)

c)

d)

e)

f)

h)

i)

j)

k)

l)

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q)

8

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(ZA)

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ZA.1

89/686/ , II		
1.2.1		4.1.3, 4.1.4, 4.1.5, 4.1.6, 4.4.2, 4.4.7, 4.4.8 4.4.9
1.2.1.2		4.1.6
1.2.1.3		4.2.2, 4.3.2, 4.4.2
1.3.2		4.1.7, 4.1.8, 4.1.9, 4.1.10, 4.2.3. 4.2.4. 4.2.6, 4.2.7, 4.3.3. 4.3.4. 4.4.3. 4.4.4. 4.4.5, 4.4.6
1.3.3		7, b) - f)
1.4		6 7
2.10		4.1.1, 4.1.2
2.12		6
3.1.2.2		4.1.9, 4.2.5. 4.2.6. 4.3.4, 4.4.5, 6,) -). 7, b)-h)

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EN 362	IDT	EN 362-2011 « . . »
EN 363	IDT	EN 363-2007 « . . »
EN 364	-	*
EN 365		*
EN 1891		*
EN ISO 1140		*
EN ISO 1141		*
ISO 2232		*
ISO 9227		*
<ul style="list-style-type: none"> • - : - 		

[1] EN 358

[2] EN 361

[3] EN 563

[4] EN 813

02.02.2015. 60x84%.
. 3,26. 32 . 463

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< < #
123995 , .., 4.
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