



58193—  
2018/  
EN 353-1:2014

1

(EN 353-1:2014, Personal fall protection equipment — Guided type fall arresters including an anchor line — Part 1: Guided type fall arresters including a rigid anchor line, IDT)



2018

1 . » ( « ») « -  
4 -

2 320 « -  
»

3 7 2018 . N9 459- -

4 353-1:2014 « -  
1. » (EN 353-1:2014 «Personal

fail protection equipment — Guided type fall arresters including an anchor line — Part 1: Guided type fall arresters including a rigid anchor line». IDT).

1.5—2012 ( 3.5). -  
CEN/TC 160 «  
DIN ( ). -

5 353-1—2008

6

29 2015 . 162- « 26 -  
) ( « » 1 -  
( ) « » -  
(www.gost.ru) « » -

1	.....	1
2	.....	1
3	.....	2
4	.....	4
4.1	.....	4
4.1.1	.....	4
4.1.2	.....	5
4.2	.....	5
4.2.1	.....	
4.2.2	.....	5
4.2.3	.....	6
4.3	.....	6
4.3.1	.....	6
4.3.2	.....	7
4.3.3	.....	7
4.4	.....	8
4.5	.....	8
5	.....	8
5.1	.....	8
5.2	.....	9
5.2.1	.....	9
5.2.2	.....	9
5.2.3	.....	12
5.3	.....	13
5.3.1	.....	13
5.3.2	.....	13
5.3.3	.....	16
5.3.4	.....	.. 17
5.3.5	.....	,
5.3.6	— .....	18
5.3.7	— .....	22
5.3.8	.....	24
5.4	.....	26
6	.....	27
7	.....	27
7.1	.....	27
7.2	.....	27
7.3	.....	27
8	.....	28
(      )	.....	29
8 (      )	.....	
353-1:2002.....		31
(      )	.....	
.....		33
.....		34

[1].

1

Occupational safety standards system. Personal protective equipment against falls from a height.  
Guided type fall arresters including an anchor line.  
Part 1. Guided type fall arresters including a rigid anchor line.  
General technical requirements. Test methods

— 2019—03—01

1

15 { 2). [1]

2

8

- { }):
- EN 361. Personal protective equipment against falls from a height — Full body harnesses ( )
- EN 362. Personal protective equipment against falls from a height — Connectors ( )
- EN 364:1992, 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 10264-2. Steel wire and wire products — Steel wire for ropes — Part 2: Cold drawn non alloy steel wire for ropes for general applications ( )

2. EN13411-5. Terminations for steel wire ropes — Safety — Part 5: U-bolt wire rope grips ( )

EN ISO 9227. Corrosion tests in artificial atmospheres — Salt spray tests (ISO 9227) ( ) ( 9227)

### 3

( 1):

3.1 (guided type fall arrester including a rigid anchor line):

1

2 /

3.2 (guided type fall arrester):

3.3 (rigid anchor line): ( )

3.4 (energy dissipating element):

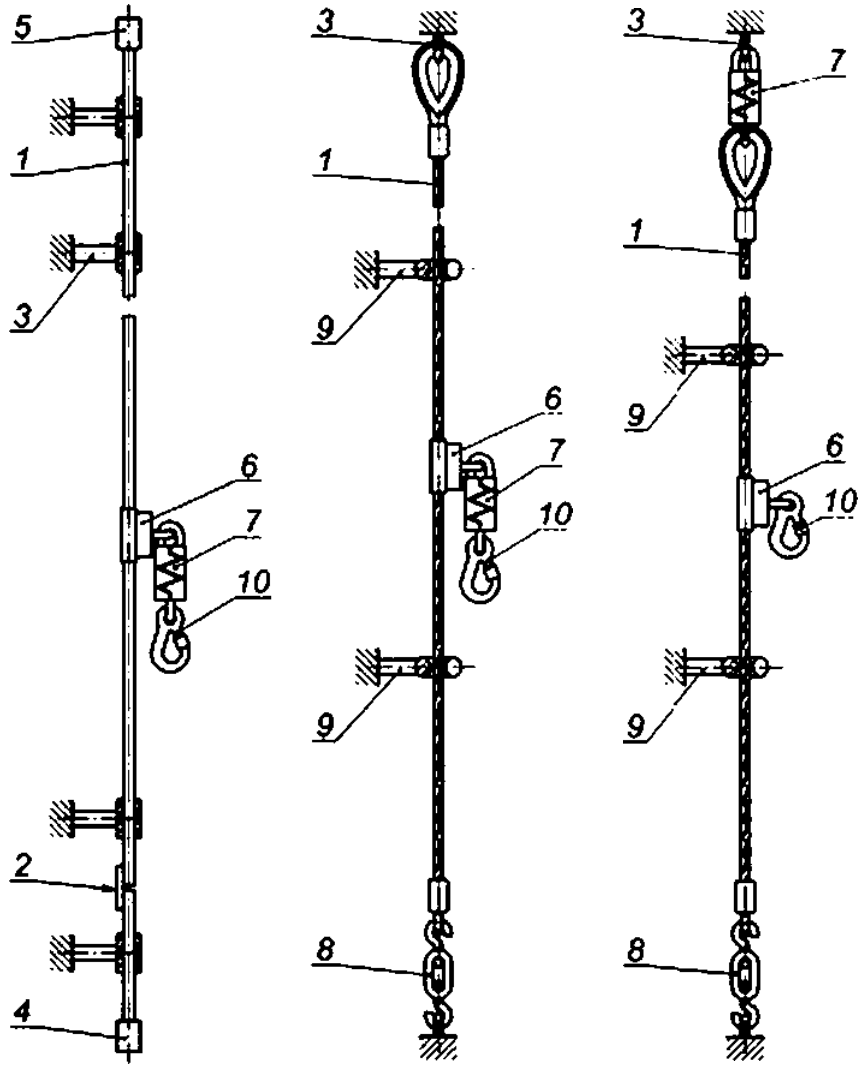
3.5  $l_0$  (arrest distance  $l_0$ ):

3.6  $H_{L0}$  (locking distance  $H_{L0}$ ):

3.7 (connecting element):

361.

3.8 (stop device):



b—

1—  
 2—  
 3—  
 4—  
 5—  
 6—S  
 7—  
 8—  
 9—  
 10—

3.9

A (stop type ):

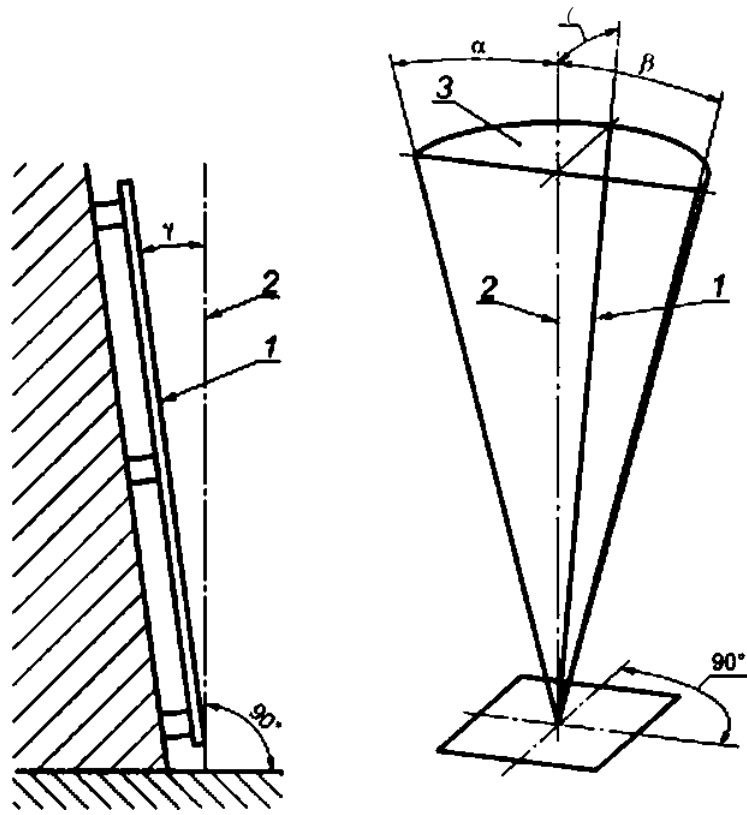
3.10

(stop type ):

3.11

(maximum rated load):

- 3.12 (minimum rated load): -
- 3.13 (bracket): -
- 3.14 (guiding bracket): / -
- 3.15 (top bracket): -
- 3.16 (bottom bracket): -
- 3.17 (joint): -



— 0°—15°: → ( ) ; 2— ; 3— : — ( ) 0°—16°

- 4
- 4.1
- 4.1.1
- 4.1.1.1

8  
10264-2.

- 4.1.1.2 ( , )



( , \*

4.1.1.3 , ).

, \*

4.1.1.4

4.1.1.5

0.5 5.1 0.5 45'

4.1.2

4.1.2.1

4.1.2.2

4.1.2.3

\*

4.1.2.4

\*

4.1.2.5

\*

4.1.2.6

4.1.2.7

4.1.2.8

4.1.2.9

362,

\*

4.5 4.6.

4.1.2.10 U-13411\*5.

4.2

4.2.1

5.2.1.

5.2.1.2.9.

2

20

4.2.2

4.2.2.1

S.2.2.2

15

4.2.2.2

5.2.1.2.9

22

4.2.2.3

5.3.2.

6

( , )

5.2.2.3;

\*

2.5 ) (

4.2.2.4 , -

5.2.2.4. 1 \*

4.2.3

4.2.3.1 5.2.3.1

2 .

4.2.3.2 5.2.3.2

12 .

4.3

4.3.1 1

1—

		-	*		-	-
100	±1*	-	-	-	-	-
	Me	-	-	-	-	15*
		*1'	±1'			

1

*		!					
		-	-		*		*
-		-	-	-	-	-	-
,		-	-	-	-	-	-
-		-	-	-	-	-	-
,		-	-	-	-	-	-
100		-	-	-	-	-	15'
		-	-	-	-	-	±1'
		±	±1'	±1"			-
							-
							15'
							-

4.3.2

5.3.2

100

\*

6

$F_{mev}$

1

0

4.3.3

4.3.3.1

30'

:

5.3.3

100

-

$H_{L0}$

0.5

4.3.3.2

0

5.3.4

-

0,5

5.3.4

—

1

-

1

$H_{L0}$

100  
0.5

0

4.3.3.3

5.3.6

0.5

5.3.6

H<sub>Lo</sub>

0.5

4.3.3.4

5.3.5

H<sub>Lo</sub>

0.5

4.3.3.5

5.3.7

H<sub>Lo</sub>

0.5

4.3.3.6

5.3.8

H<sub>Lo</sub>

0.5

5.3.8

H<sub>Lo</sub>

0.5

4.4

5.4,

4.5

6.

7.

5

5.1

5.1.1

4.1.1. 4.1.2.3. 4.1.2.5. 4.1.2.7. 4.1.2.9 4.1.2.10.

5.1.2

(

)

5

(

)

4.1.2.1,4.1.2.2.4.1.2.4 4.1.2.8

/

5.1.3		5.1.2		
160	190	65	95	
				361.
		4.1.2.6.		
	(			)
5.2				
5.2.1				
5.2.1.1				
364:1992 (	4.1).			
	364:1992 (	5.1.1)		(200 * 1)
5.2.1.2				
5.2.1.2.1				»
				»
5.2.1.2.2				»
			( . .	-
			)	-
5.2.1.2.3			( . .	-
5.2.1.2.4		(2 + 0.2)		(3 + 0.25)
5.2.1.2.5				-
5.2.1.2.6				-
		300 ( .	3£>).	
5.2.1.2.7		(2 + 0.2)		(3 + 0.25)
5.2.1.2.8				-
5.2.1.2.9				-
				(22 1)
(3 * 0.25)				
5.2.2				
5.2.2.1				364:1992 ( 4.1).
5.2.2.2				-
5.2.2.2.1				-
5.2.2.2.2				
5.2.1.2.2.				

5.2.2.2.3

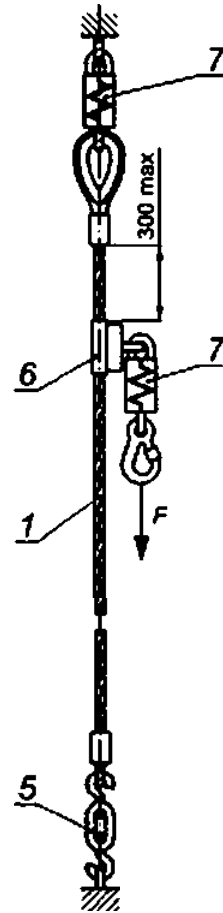
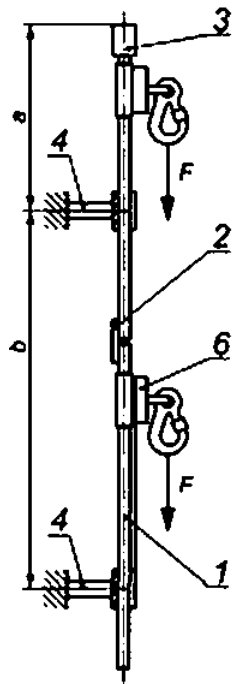
{15 +1}

(3 + 0.25)

5.2.2.2.4

5.2.2.2.5

5.2.2.2.6



3—

; 6—  
7—

b—

; 4

( )

, b—  
: 2

.s

S.2.2.3

1 .

(3 \* 0.25)

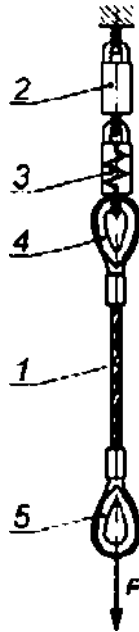
( .

4).

\*1.0 .

6

4.2.2.3



F

( . , 4( ) ; 4—

: 2

(

); 3— ; 5

4—

6

5.2.2.4

( .

5

5d).

(1 \* 0.2)

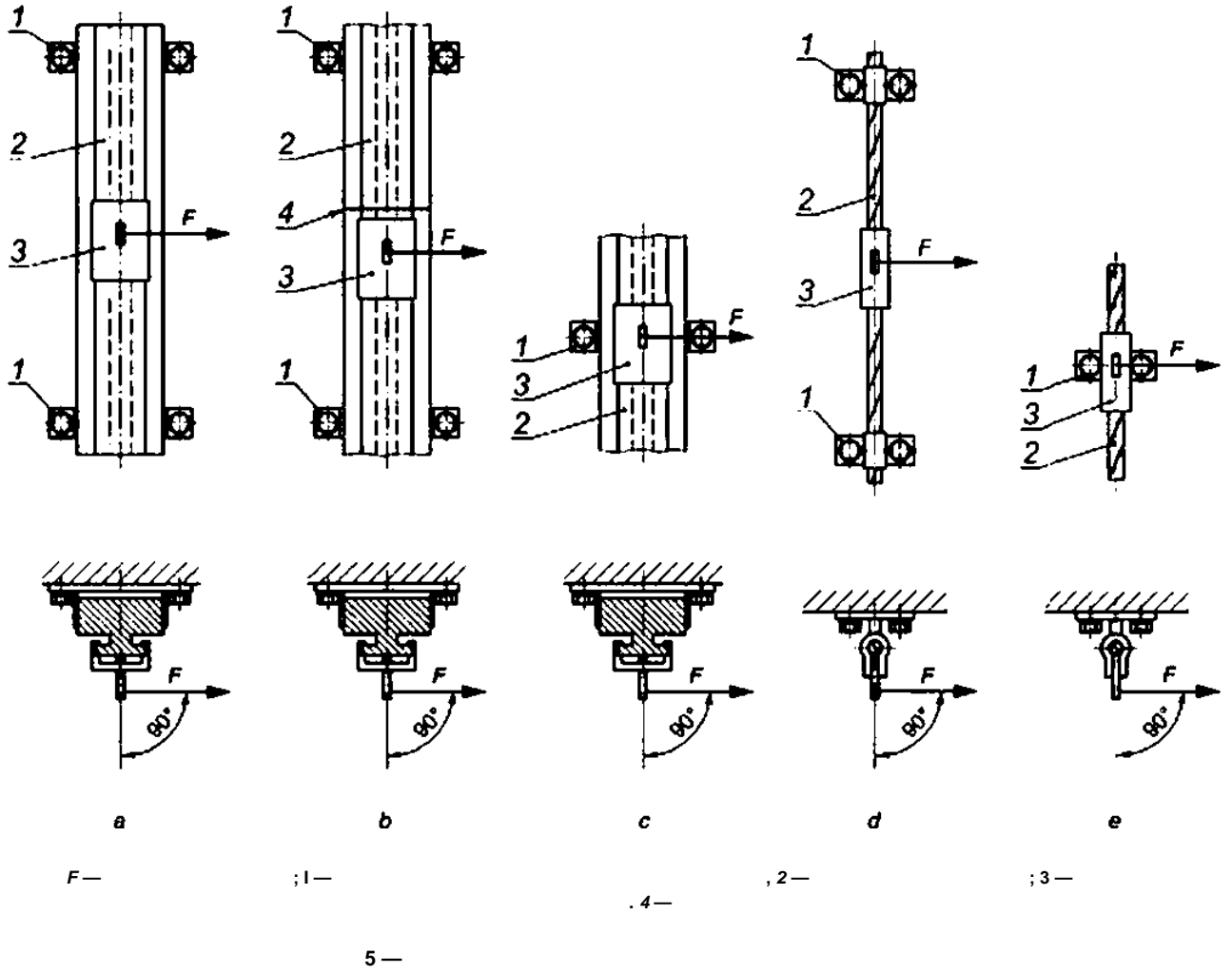
(3 \* 0,25)

4.2.2.4.

( . 5 ).

( . 5 ).

( . 5 ).



5.2.3  
5.2.3.1

(2 + 0,2)

(3 + 0,25)

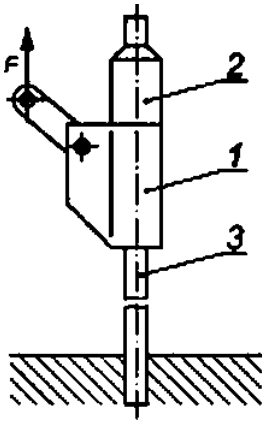
6).  
5.2.3.2

(12 1.0)

(3 + 0,25)

8.  
7).

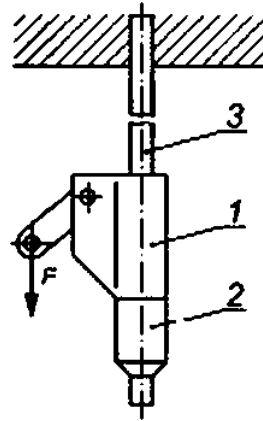




9—

F—

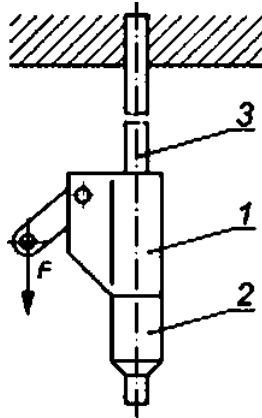
6—



—

.2

; 3



F—

; 2—

; 1—

.3—

7—

5.3

5.3.1

( 4.4, 4.5 4.6).

364:1992

364:1992 ( 4.5).

5.3.2

5.3.2.1

5.3.2.2

$\pm 1^*$

5.2.1.

5.3.2.3

( . 9).

5.3.2.4

5.3.2.5

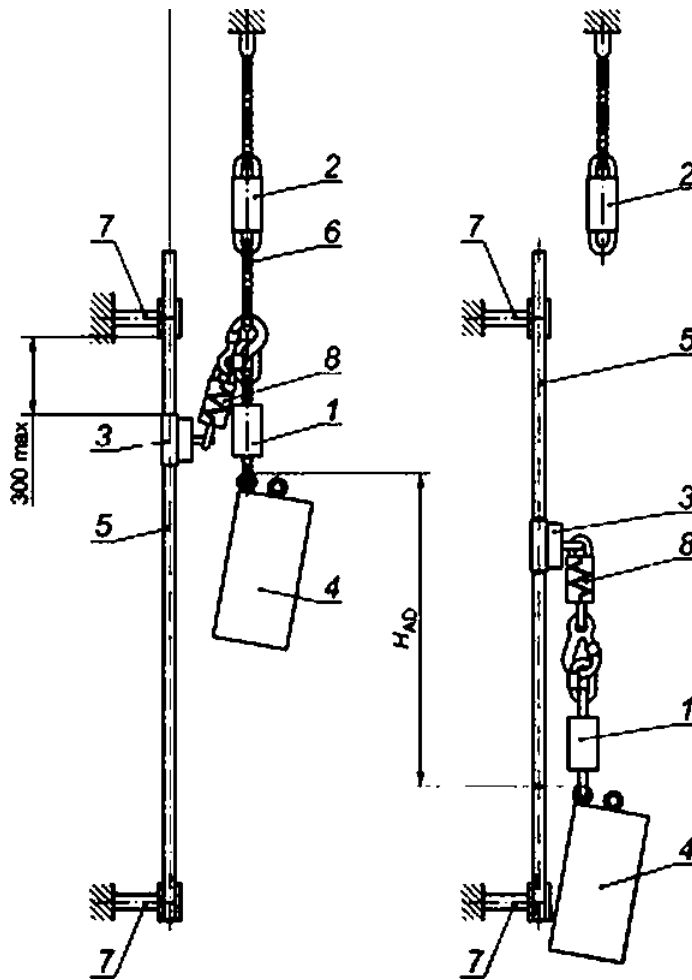
300

300

( . 8 9).

),  
300

300 max



3—  
s—  
8—

2—  
( )  
7—

4—  
7—

5.3.2.6

300

( . 8 9).

5.3.2.7

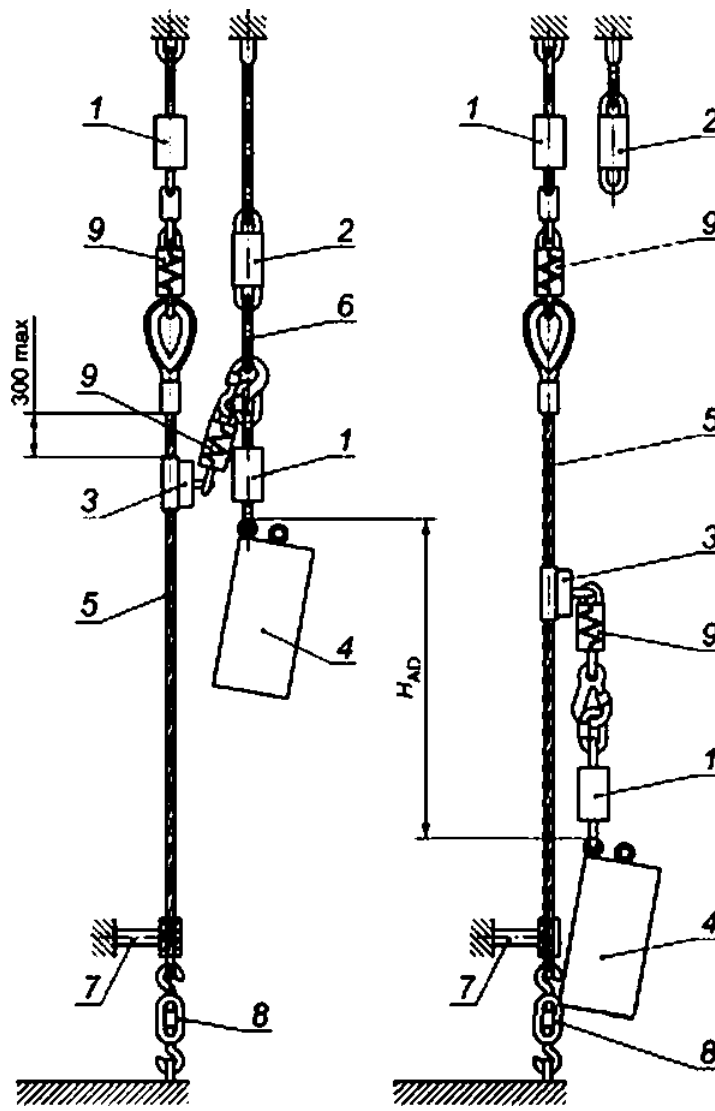
( )

$H_{AD}$

5.3.2.6

( , )

300 max



- 3—
- s—
- 9—
- f—
- 2—
- 4—
- 7—
- 9— ( )



300

5.3.3.4 90

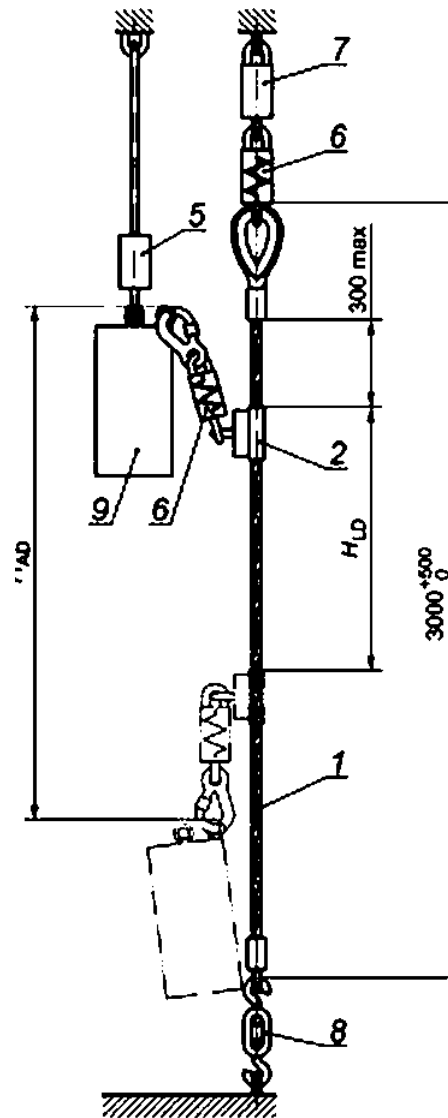
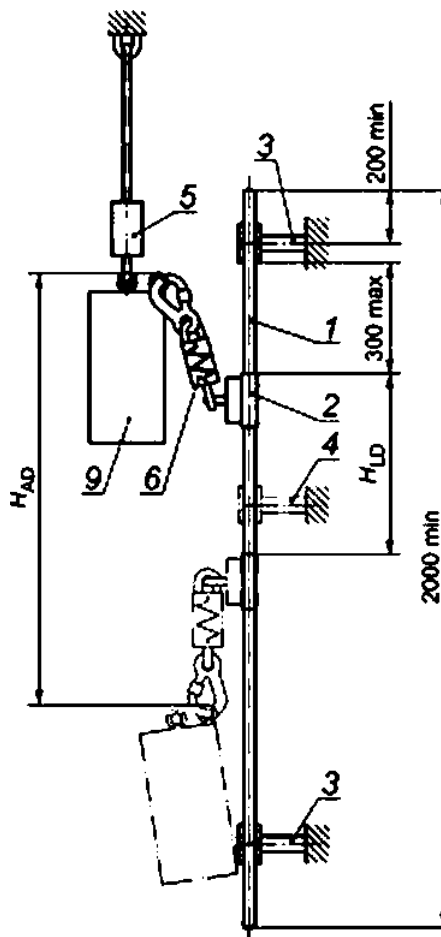
$H_{Lo}$

5.3.4

0°

5.3.4.1

11.



— : 3  
: 5  
: 4  
):

: 2—  
(  
) 7  
) 9

11 —

(3 + 0,25)

2.0  
5.3.4.2

$\pm 1$

5.3.4.3

( 11 )

300 ( 11 )

300 ( 11 )

5.3.4.4

300

5.3.4.5

$\pm 1$  (100 1)

$H_{LD}$

5.3.5

5.3.5.1

12.

5.3.5.2

$\pm 1$  (100  $\pm 1$ )

5.3.5.3

$W_{LD}$

5.3.6

5.3.6.1

8

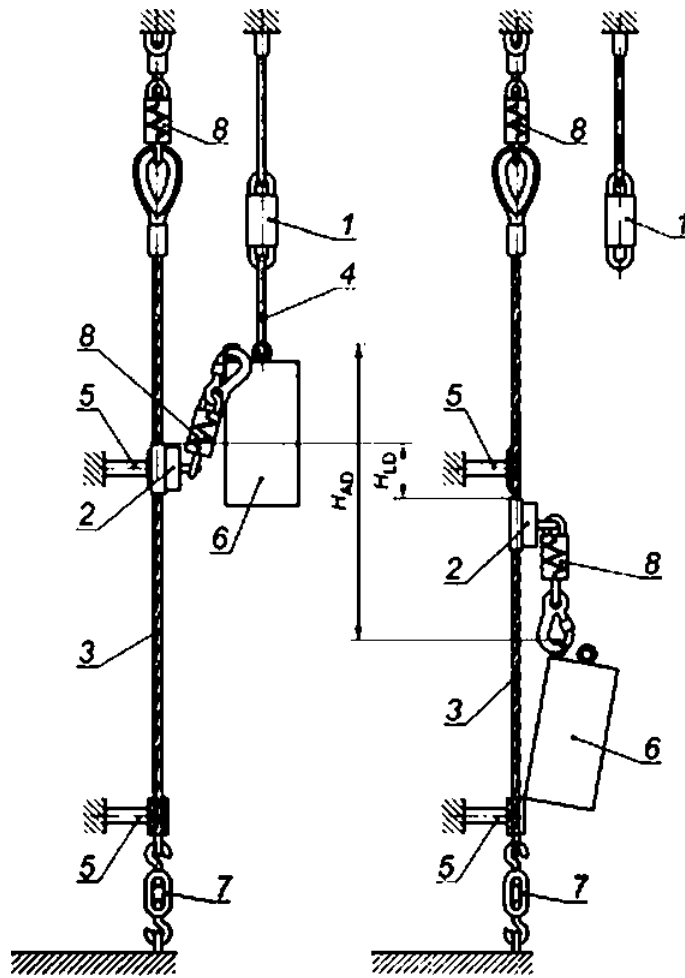
3 ( 13 14 )

(150  $\pm 1$ )

(500 \* 100) :

1  
(40  $\pm 10$ )

.300



2— ; —  
4— ; —  
7— ; —  
12— ; — ( ) ?

5.3.6.2  
5.3.6.2.1

13 14.

5.3.6.2.2

5.3.6.2.3

$\pm 1$

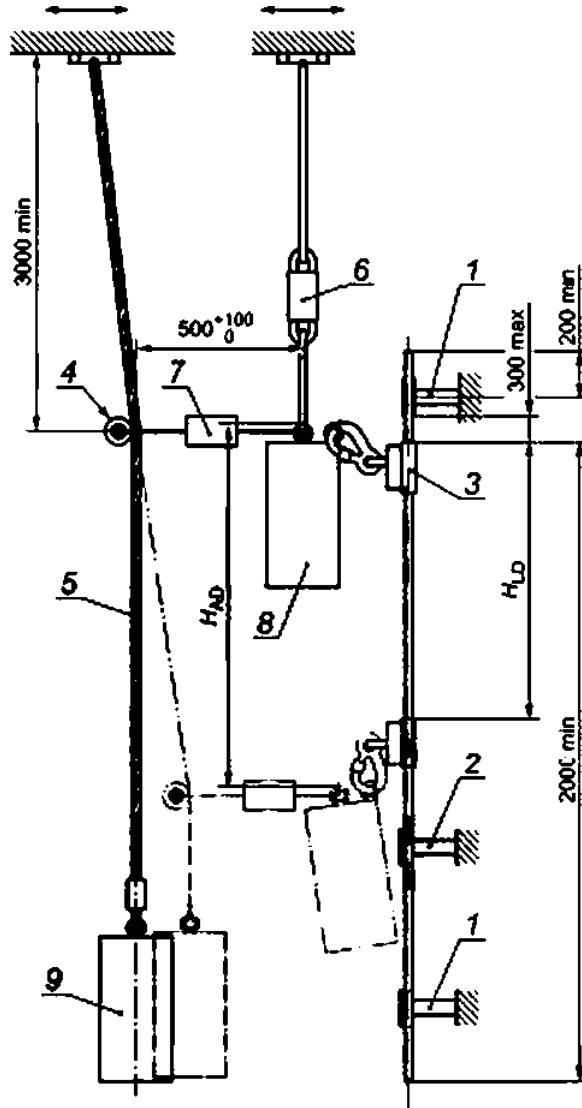
5.3.6.2.4

( , , 300 ) ,  
 ( . 13).

300

5.3.6.2.5

300 ( . 14).



2 —  $H_{LD}$  ; — ; 1 — ;  
 3 — ( ;  
 ; 5 ; 4 — ;  
 7 — ( ; — ;  
 ) ; 9 150

13 —



5.3.6.2.6

13 14

150

150

(150 \* 10)

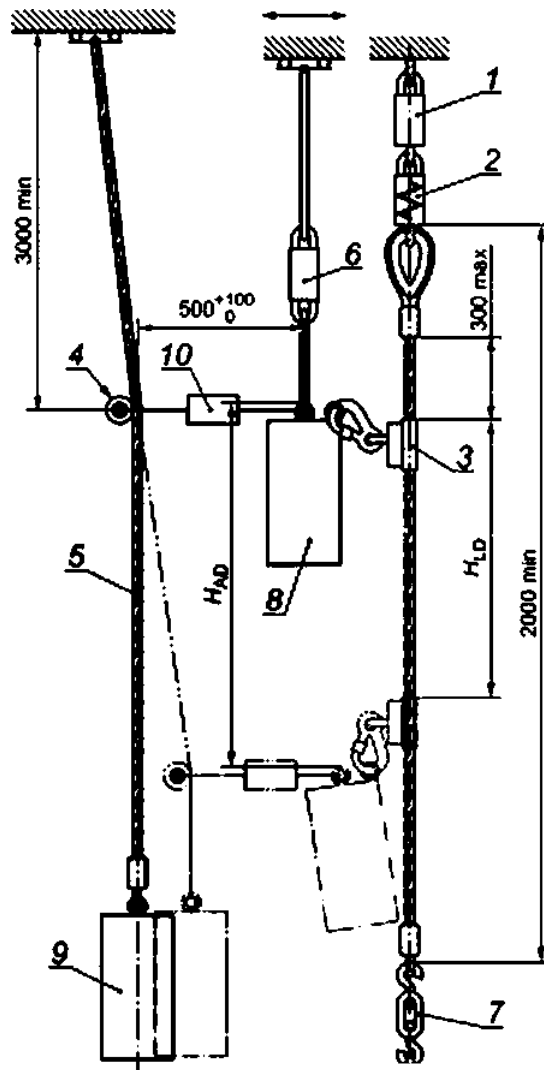
5.3.6.2.7

$H_{LD}$

5.3.6.2.8

$\pm 1$

(10011)



3—  
5—

; 9—  
9—

150 JO—

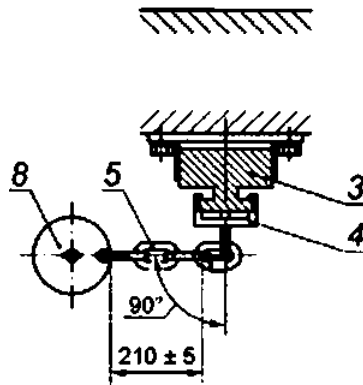
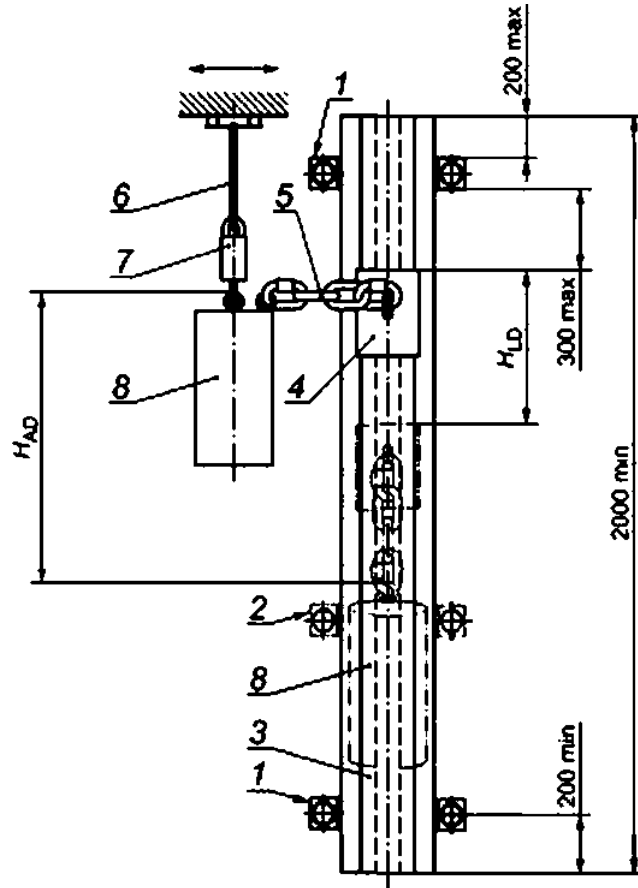
4—

7—

14—

5.3.7  
5.3.7.1

15 16.



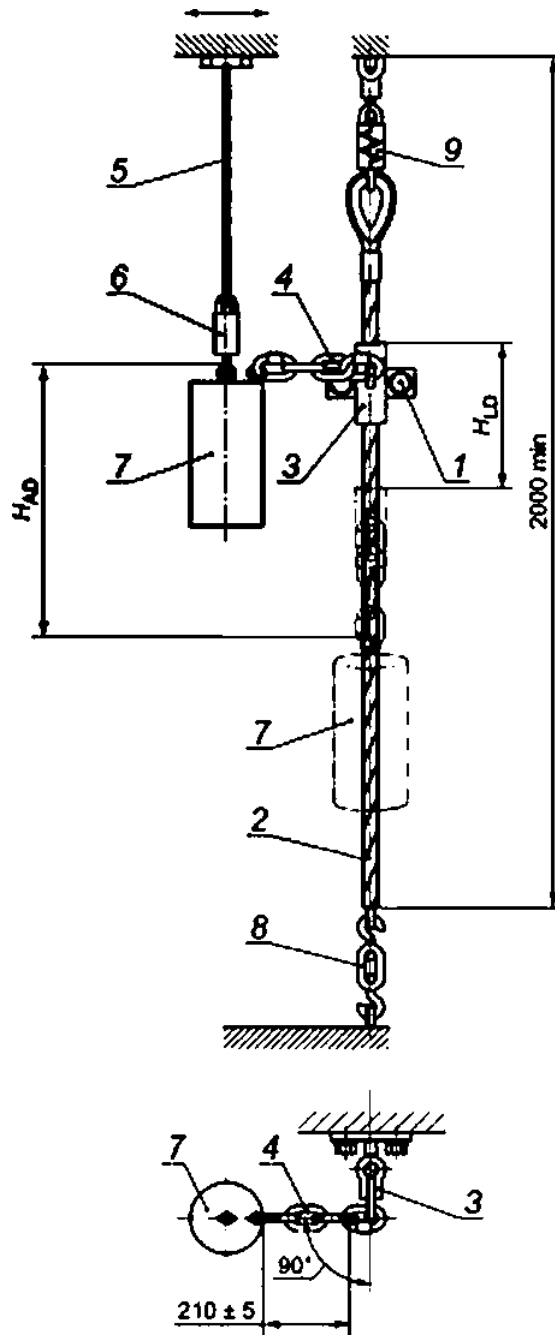
2—  
3  
6

:4

210 .<

.7—

15—



4 — 2 — ^LO ; ; ( : :  
 : 3 — : 5 — : 6 — :  
 : 7 — ( ( ) ) :  
 8 — : 9 — ( ) ) :

16 —

5.3.7.2

(210 ± 5)

362 ( Q)



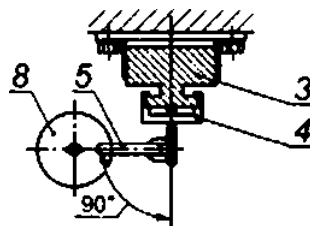
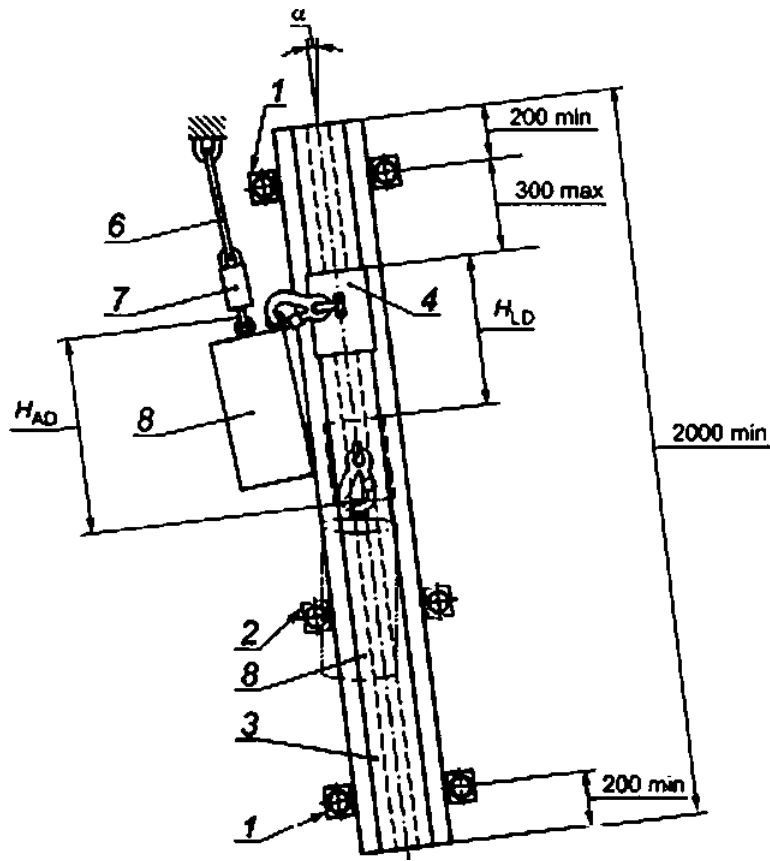
5.3.8.7

(100 ± 1)

0°

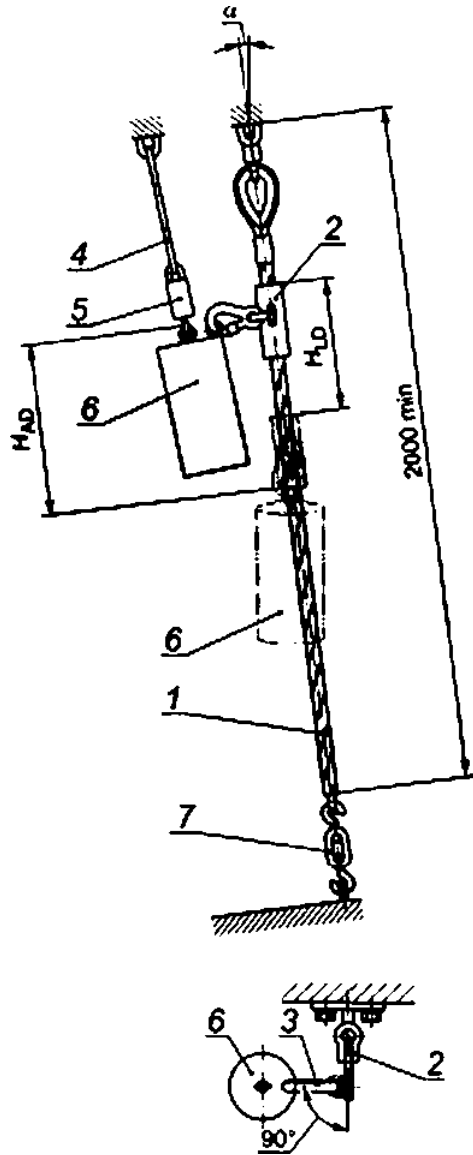
11

H<sub>Lo</sub>



2— ; T—  
 3— ; 4—  
 5 ; ?  
 6 ; 3

17—



2 —  
 S —  
 ): 7

18 —

5.4

5.4.1

(24,0 \* 0,5)

(50 \* 5)

no 9227  
 (20 ± 2)

— 60 —

24

5.4.2

6

- 365. :
- a) :
- 1) ;
- 2) ,
- / ;
- b) :
- 1) / ,
- . -

7

7.1

- 365. . -
- 7.2

- ( , , , , , . ).
- a) ( ) / ( . . );
- b) ( ) / . ,
- c) ; ,
- d) . ; ,
- e) . : , ,
- 0.25 ; ,
- f) , , , , ,
- . ( , -
- ), , -
- ) ; ,

7.3

8

- 365. -
- a) : , ,
- b) ; , / , /
- c) ; , , ; -

- d) , :
- e) 361. , :
- f) ) , :
- h) , , ; -
- i) , - ;
- j) . ( . . . ) ; -
- k) ;
- l) , , - ; ) , ; ) , - ; } , - ; , - ; ) , ; ) , - ; s) , .

8

365.



( )

.1 —

1	14122 +1570"	-
3.3	7.2	-
3.5	0.5	-
3.9		
4.2.1		-
4.2.2 4.2.2.1 4.2.2.2	2.5. 6 ( )	- - - - -
4.2.2.3	6	-
4.2.2.4		-
4.2.3.1	2 100	-
4.2.3.2	12 100 12	- - -

. 1

4.3.2	©
4.3.3	,
4.3.3.1	, , , -
4.3.3.2	-
4.3.3.3	100 . -
4.3.3.4	, -
4.3.3.5	, , . -
4.3.3.6	, . -
	/ -
	- ( 30 * ). -
	100 . -
	, -
	, -
	, , -
	, -
	, -
	8 -
	. -
	, -
	. -
	, -
	. -
	15*. -

( )

353\*1:2002

.1—

	<p style="text-align: right;">363</p>
<p>1</p>	<p style="text-align: right;">15*</p>
<p>2</p>	<p>9227. 354 355 361, 10264-2. EH 13411-5</p>
<p>4 4.1.1 4.1.2 4.2 4.3 - 4.3.2 - 4.3.3 -</p>	<p>0.6</p> <p>22</p> <p style="text-align: right;">U- 2 2 12 ± 1"</p> <p style="text-align: right;">*1</p> <p style="text-align: right;">100</p>

. 1

> -> 6 .'	
5	, . , , -
6	( . 1) , -
7J 7.3	, - . 0.25 365
8	365
ZA	ZA

( )

.1

EN 361		361—2008 « »
EN 362		362—2008 « »
EN 364.1992	MOD	12.4.206—99 « »
EN 365		365—2010 « »
EN 10264-2	—	•
EN 13411-5	—	•
EN ISO 9227		•
<p>* — : : •IDT— • —</p>		



614.895:614.821:620.1:006.354

13.340.99

: , \*  
, , , , ,

—2018/99

. .  
. .  
. .  
. .

09.06.2018. 27.082016. 60 » 84^/g.  
. . . 4.65. . 4.21.

« . 115418. , . . 11.  
www.juristzdal.ru y-book@mail.nj

« »

123001 . 4. www.gosbnfo.ru mfo@gosbnfo.ru