

( )

INTERSTATE COUNCIL FOR STANDARDIZATION, METROLOGY AND CERTIFICATION  
(ISC)

23118-  
2012



1.0—92 « . . . »  
 1.2—2009 « . . . »  
 1 « . . . »  
 »( « . . . »)  
 2 465 « . . . »  
 3 ( ) ( 4 2012 . 40) ;

( 3166) 004—67	« 3166) 004 - 97	
	BY KG RU	

4 2012 . N91850- 1 2013 . 23118—2012 29 -  
 5 23118—99

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23118—2012

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	( N9 4 2016 .)	

Building steel structures. General specifications

— 2013—07—01

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2.314—68

9.032—74

9.302—86

9.402—2004

12.3.009—76

15.005— 86

1759.0—87

5264—80

6996—66

7512—82  
8713—79

11533—75

11534—75

14192—96  
14771—76

14782—66  
15150—69

18160—72  
21650—76

21778— 81

21779—82

21780— 2006

22235—2010

1520

22353—77\*  
22356—77\*\*  
23518—79

23616— 79

24297—87  
25726—83  
26047— 83  
26433.1—89

( )

26433.2—94

27751 —88\*\*\*

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52644—2006.  
52643—2006.  
54257—2010.

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3.2.5.3

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50.13330.2012 « 23-02—2003

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28.13330.2012 « 2.03.11—85

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4.6

4.7 9.402.

4.8 9.032:  
 IV—V —  
 V VI—  
 VII—

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 6996.

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 • ( 350 HV 1\* )  
 \*\* 400 HV 350 HV;  
 VI 29 / 2.

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 • 16%.

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 2 24 / 2.  
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4.10.3 5264. 8713. 11533. 11534. 14771. 23518.

4.10.4

4.10.5 40

• 28.13330.2012 « 2.03.11—85  
 \*».  
 \* 16.13330.2011 « 11-23—81\*  
 ».



4.10.8

or

I, II, III.

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I—	<p>1 2 0.85R,</p> <p>( 2 2 0.85#?.</p> <p>2 Q.Q5R<sub>W</sub>.</p> <p>3 1- 2- 45 * (</p> <p>7—12).</p>
II—	<p>4 0.4#? £ &lt; 0.85R<sub>y</sub>,</p> <p>&lt; 0.85 ?.</p> <p>2 0.85 ,, (</p>
	<p>5 2 0.75#?*,</p> <p>2 3).</p> <p>6 0.4 RS &lt;0.85#?</p>
	<p>7 ( ) 2-</p> <p>3- (</p>
III—	<p>9</p> <p>10</p> <p>11</p> <p>12 (</p> <p>4 )</p>
<p>—</p> <p>R<sub>v</sub>—</p> <p>—</p> <p>R<sub>t</sub>—</p> <p>—</p> <p>R—</p>	<p>—</p> <p>:</p> <p>:</p> <p>( ) :</p> <p>:</p>

4.10.7

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4.10.8 ) : -  
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 4.11 ) :  
 4.11.1 1759.0 \* 22353 22356 -  
 4.11.2 -  
 4.11.3 -  
 4.11.4 2.  
 4.12 ( )  
 4.12.1 ( )

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-	17	0: +0.6:	0: +0.24;		
-	.17	0; +1.0	0: +<0.28		
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3 2 -	—	—	—		
( ) 3 %	—	—	—		
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21780)

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or

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4.14.17

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4.15.4

4.15.5

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25726:

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14192.

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4.15.11 ; -

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- —30 ;

4.15.12 ;  
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4.15.14 — 21650.  
 4.15.15 , 14192.

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15.005\*

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5.7.1 5.7.2.

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		100%	1 1—5
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147 2 7S12		10%	808 1 2
	4	5%	1.2 3
		1%	808 1.2.3 4
6996-	4.102		

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57.4.2 , . -  
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 II.  
 57.4.3 ( -  
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 57.4.4 , -  
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26433.1

9.402.

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9.032 —

9.302.

4.13—4.15.

12.3.009.

15150.

22235

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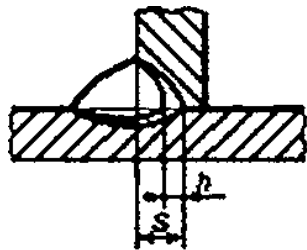
.1—

		«		
1	-			
2	* - • -	1% d£0.2 S d£0.2 3	2% d£0.25 S d£0.25 4	4 % d£0.3 S d£0.3K 5
3	- - -	% d£0.2 S d£0.2 2 £.212/	8% d£0.25 S d£0.25 3 Li12 t	16% d£0.3S d£0.3 4 MM Li12i
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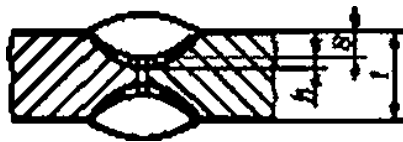
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\*0.1S  
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£0,2S  
.2

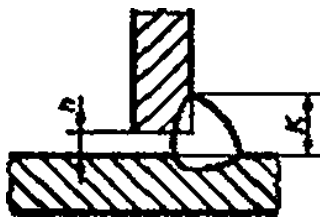


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$h < 0.5$  +0.1  
.2

$fcS \geq 0.5$  +0.15  
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£1 +0.2  
.4



10

$h \leq 0.5$

$h \leq 1.0$

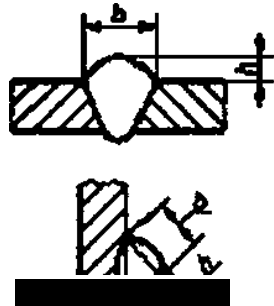
$h \leq 1.5$



.1

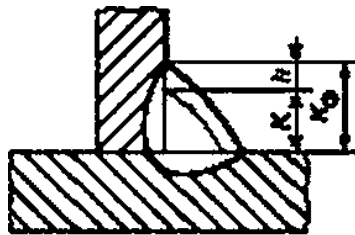
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11



ft £1	+0.1	ft £1	+0,15	ft £1	+0,25
	.5		.7		.10
	.3		.4		.5

12



$$h = K_{\phi} - K$$

h £1	+0.1	ft £1	+0.15	£1	+0.2
	.2		.3		.5

13



$$ft'K-K^*$$

ft S 0,3 +0.1

.1	.2
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14



ft £1	+0.3	ft £1	+0.6	ft £1	+1.2
	.4		.4		.5

.1

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15-



РИСУНОК А

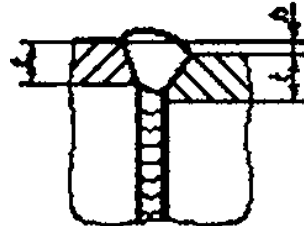
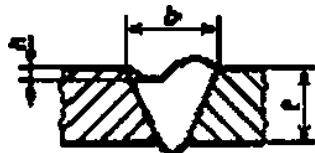
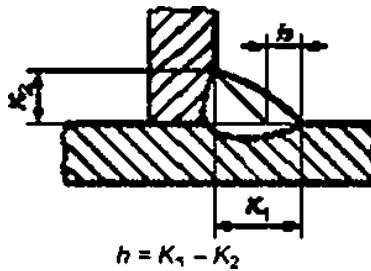


РИСУНОК Б

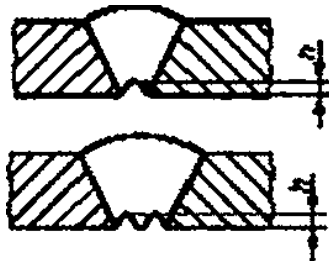
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16



19



—		
ft £ 0.11 .3	ft £ 0.15 .4	h £ 0.25 t .5
—		
ft £ 0.2 ( .2	ft £ 0.3 ( .3	ft £ 0.5 ( .4
:		

$h \leq 0.05l$   
Max: 0.5

ft £ 0.1 t  
.1

ft £ 0.2 t  
.2

ft £ 1.5 + 0.1

ft £ 2 + 0.1

ft S2mm + 0.15

ft £ 0.5

ft £ 1

ft £ 1.5

.1

20

21

22

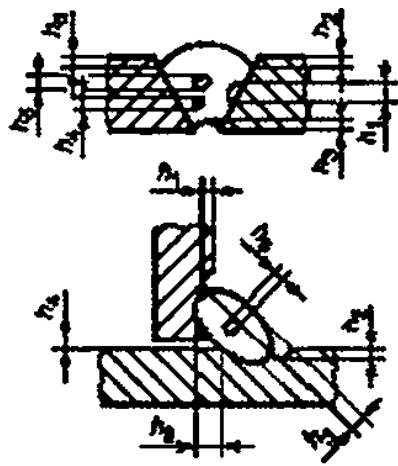
S & 10 . £ 8

$lh:$   
 $, + +/1 + h_4^* hi^* ffeSLh$

0,15 S  
 0,15

0,2 S  
 0,2

0,25 S  
 0,2



Для S > 10 мм, K > 8 мм

0,20 S  
 0,2 K  
 Макс. 10 мм

0,25 S  
 0,25 K  
 Макс. 10 мм

0,3 S  
 0,3 K  
 Макс. 10 мм

"

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1

25%

100

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2

100

25%

100

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S—

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1000	2.0	1 500	3.0	1 330	5.0	1 200	8.0	125	12.0	1 83	20.0	1 50
1600	2.4	$\frac{3-3}{416\ 666}$	4.0	250 400	6.0	166 266	10,0	$\frac{-1-1-}{100\ 160}$	16.0	$\frac{J-1}{62\ 100}$	24.0	$\frac{-UJ}{-41\ 66}$
. 1800 2500 .	3.0	533*833	5,0	320 *500	8.0	200+ 2	12.0	1 1 133' 208	20.0	30 *725	30.0	$\frac{-+}{53\ 83}$
. 2500 4000 .	4.0	$\frac{1*1}{625\ 1000}$	6.0	416 666	10,0	250 400	16.0	$\frac{-3-2-}{156\ 250}$	24.0	$\frac{-1*-1-}{104\ 166}$	40.0	1 1 82 *100
. 4000 8000 .	5.0	$\frac{1\ 1}{800\ 1600}$	8.0	$\frac{1\ 1}{500 *1000}$	12.0	333 666	20.0	200 * 400	30.0	$\frac{-3-+2-}{133\ 266}$	50.0	$\frac{-L*3}{80\ 160}$
. 8000 16000 .	6.0	$\frac{1\ 1}{1333\ 2666}$		$\frac{1\ 1}{800\ 1600}$	16.0	500 *1000	24.0	333 *666	40.0	"200 *400	60.0	m*266
. 16000 25000 .	8.0	$\frac{1\ 1}{2000\ 3125}$	12.0	$\frac{1\ 1}{1333 * 2083}$	20.0	$\frac{1\ 1}{800' 1250}$	30.0	1 1 533 *833	50.0	1 1 320 * 500	80.0	$\frac{-1-+1-}{200\ 312}$
. 25000 40000 .	10.0	$\frac{1\ 1}{2500\ 4000}$	16.0	$\frac{1\ 1}{1562\ 2500}$	24.0	$\frac{1\ 1}{1040\ 1666}$	40.0	625 *1000	60.0	Tie *666	100.0	$\frac{-+}{250\ 400}$
. 40000 60000 .	12.0	$\frac{1\ 1}{3333\ 5000}$	20.0	$\frac{1\ 1}{2000\ 3000}$	30.0	$\frac{1\ 1}{1333' 2000}$	50.0	$\frac{1\ 1}{800\ 1200}$	80.0	500 *750	120.0	333*500
-	0.25		0.40		0.60		1.00		1.60		2.50	

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.4000 » 8000 »	5	8	12	20	30	50
» 8000 » 16000 »	6	10	16	24	40	60
• 16000 » 25000 »	8	12	20	30	50	80
25000 » 40000 »	10	16	24	40	60	100
40000 » 60000 »	12	20	30	50	80	120
-	0.25	0.40	0.60	1.00	1.60	2.50

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	%	2	3	4	S	
4000	4	6	10	16	24	40
.4000 » 8000 »	5		12	20	30	50
-6000 » 16000 »	6	10	16	24	40	60
» 16000 » 25000 »	8	12	20	30	50	80
» 25000 » 40000 »	10	16	24	40	60	100
40000 » 60000 »	12	20	30	50		120
-	0.25	0.40	0.60	1.00	1.60	2.50

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