



16809-  
2015

**ISO 16809:2012**  
**Non-destructive testing — Ultrasonic thickness measurement**  
**(IDT)**



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No 371 « »

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4 2015 . No 555-

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» (ISO 16809:2012 «Non-destructive testing. 16809:2012  
Ultrasonic thickness measurement»).

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5.3	.....	3
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5.6	.....	3
6	.....	3
6.1	.....	3
6.2	.....	4
6.3	.....	5
6.5	.....	5
6.6	.....	6
7	.....	6
7.1	.....	6
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7.3	.....	7
8	.....	8
8.1	.....	8
8.2	.....	10
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9	.....	11
9.1	.....	11
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9.3	.....	11
9.4	.....	11
9.5	.....	11
10	.....	12
10.1	.....	12
10.2	.....	12
10.3	.....	13
( )	.....	14
8 ( )	.....	19
( )	.....	21
( )	.....	25
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.....	.....	30

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ISO 16809:2012 Non-destructive testing — Ultrasonic thickness measurement -  
(CEN) EN 14127:2011  
SC 3 « \*)\*, ISO/TC 135 « ».

Non-destructive testing. Ultrasonic testing. Thickness measurement

— 2016—03—01

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(  
 5577 (ISO 5577  
 Non-destructive testing — Ultrasonic inspection — Vocabulary)  
 16811 (ISO 16811 Non-destructive testing — Ultrasonic testing — Sensitivity and range  
 setting)  
 EH 1330-4 4. (EN 1330-4 Non-destructive testing. Terminology. Terms used in ultrasonic  
 testing)

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5577 1330-4.

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6.2.1

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b)

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- 5.1 ) 6.2.2.1 6.2.3; 1.2 3 ( 4).

6.2.2.1 6.2.3.

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7.2.1

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7.2.3

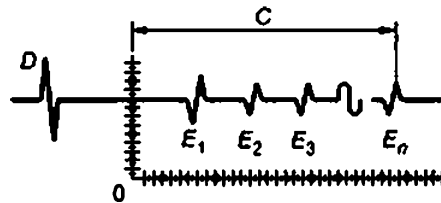
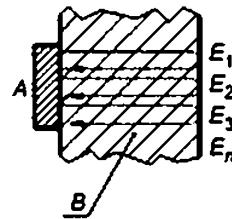
16811.

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7.3

- a)
- b)
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- d)
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8.1

8.1.1

8.1.1.1

8.1.1.2

8.1.1.3

1.2 4

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 ..... 20  
 .... 1 20

$v = 5920$  "1;  
 $v = 4100$  ~';  
 $= 1.02$  ;

5920 1211 2£J£l« 1.738-»\*:  
 4100

$1.738^7 5920 = 1.029$  :

- ..... 1,029 ;
- ..... 0.009 .

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(2)

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8.1.4

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..... 1  $v = 5920$  "1:

• .....100  $v = 2100$  1 (

);

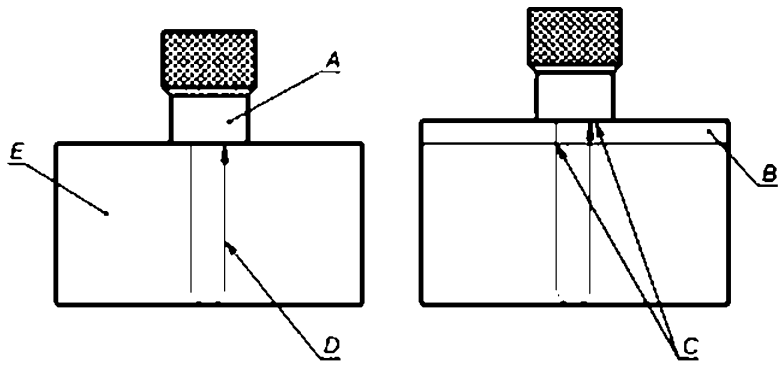
..... 1 100 = 1.1 :

5920 2100 <sup>2,65-^</sup> <4>

$2.165^{-7} 5920 = 1.282$  ; (5)

• ..... 1,282 :

• .....0,182 .



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8.1.5

8.1.5.1

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8.1.5.2

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8.1.5.3

8.1.5.4

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8.3.1

8.3.2

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9.1

9.2

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9.4

9.5

9.5.1

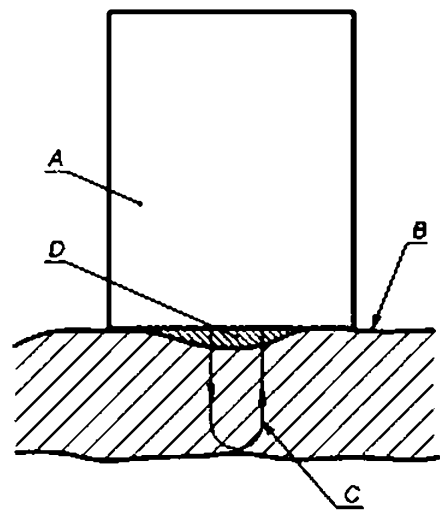
9.5.2

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8.1.3 8.1.4.

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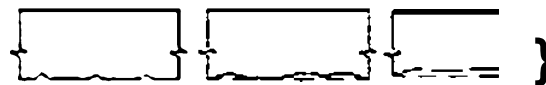
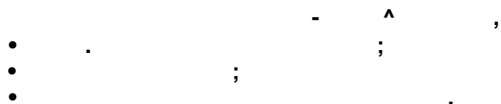
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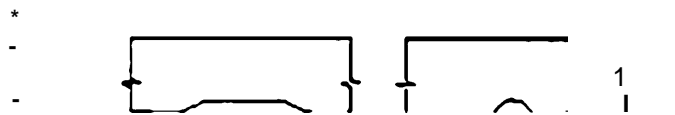
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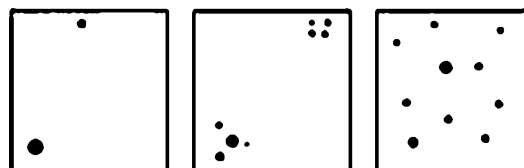
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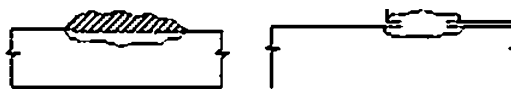
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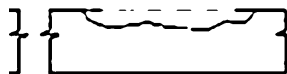
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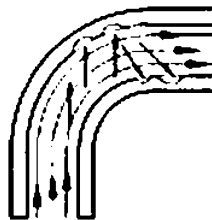
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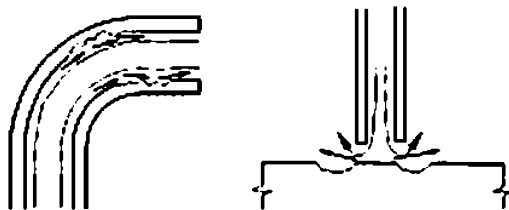


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 b) .2.2 .2.2 ! (MR) /  
 14253-212). MR Rnnioc

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 2) \* 2 95 %.  
 3) 3 99.8 %;

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 1)  
 2)  
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 • : a<sub>t</sub> » 0.6 :  
 • : -\* 0.5 .  
 — .2 .2.1 .2.2 10  
 Ra •6.3

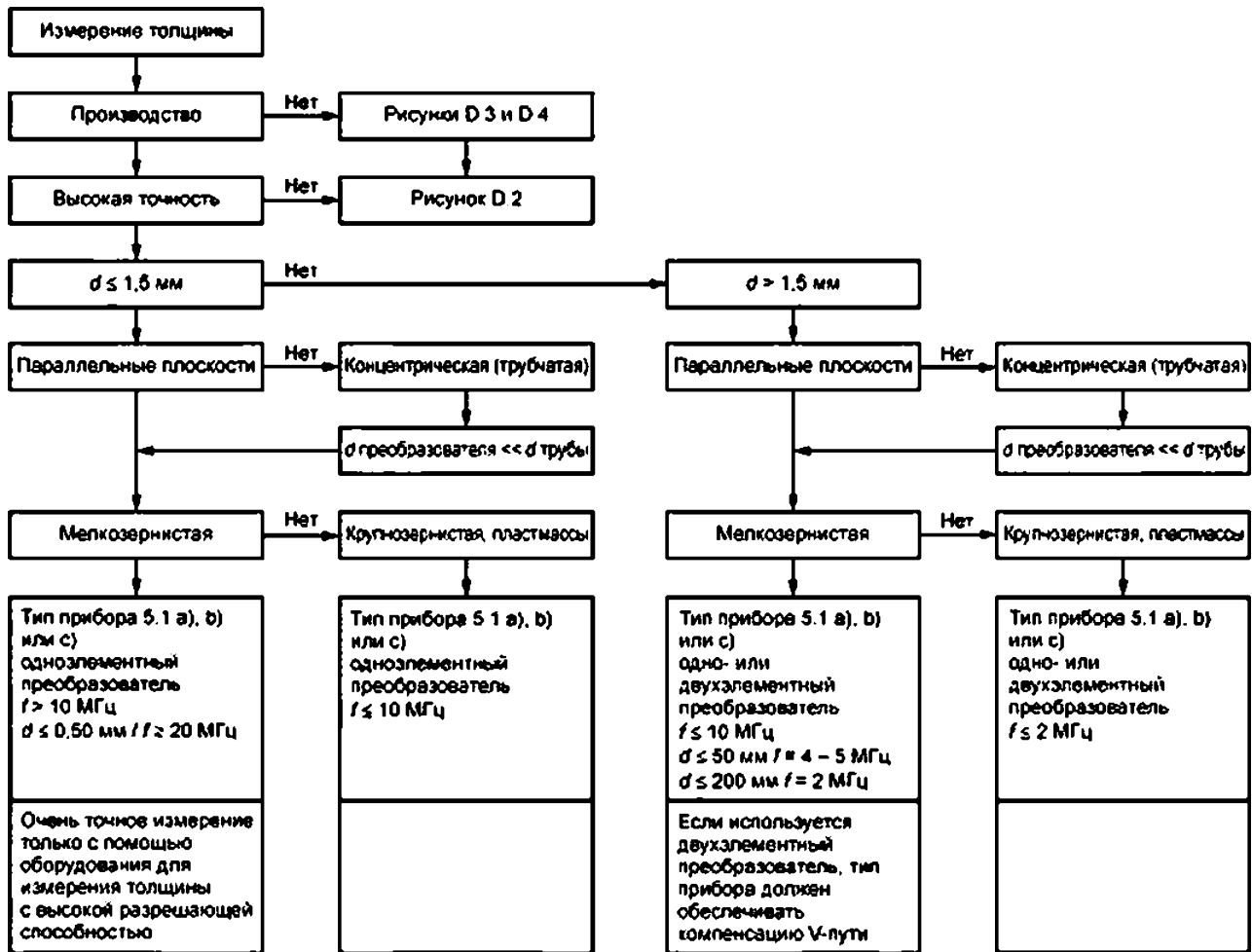
.2 — 10 .2.1 .2.2  
 Ra 6.3

				.2.1	.2.2
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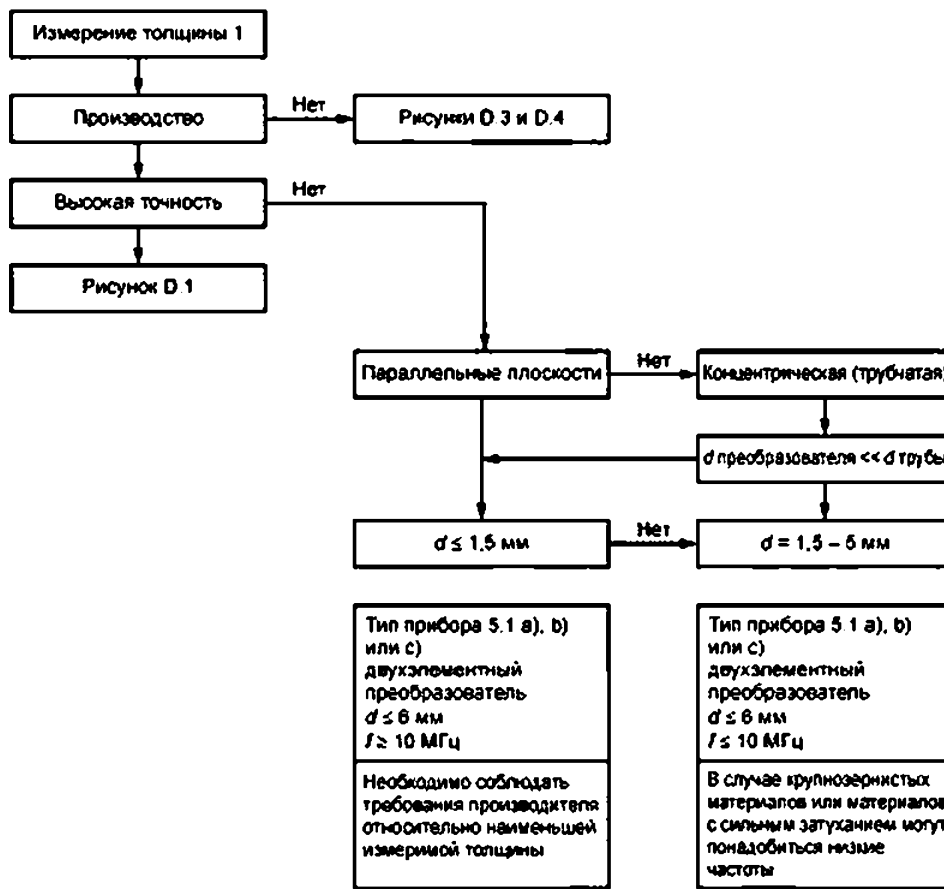
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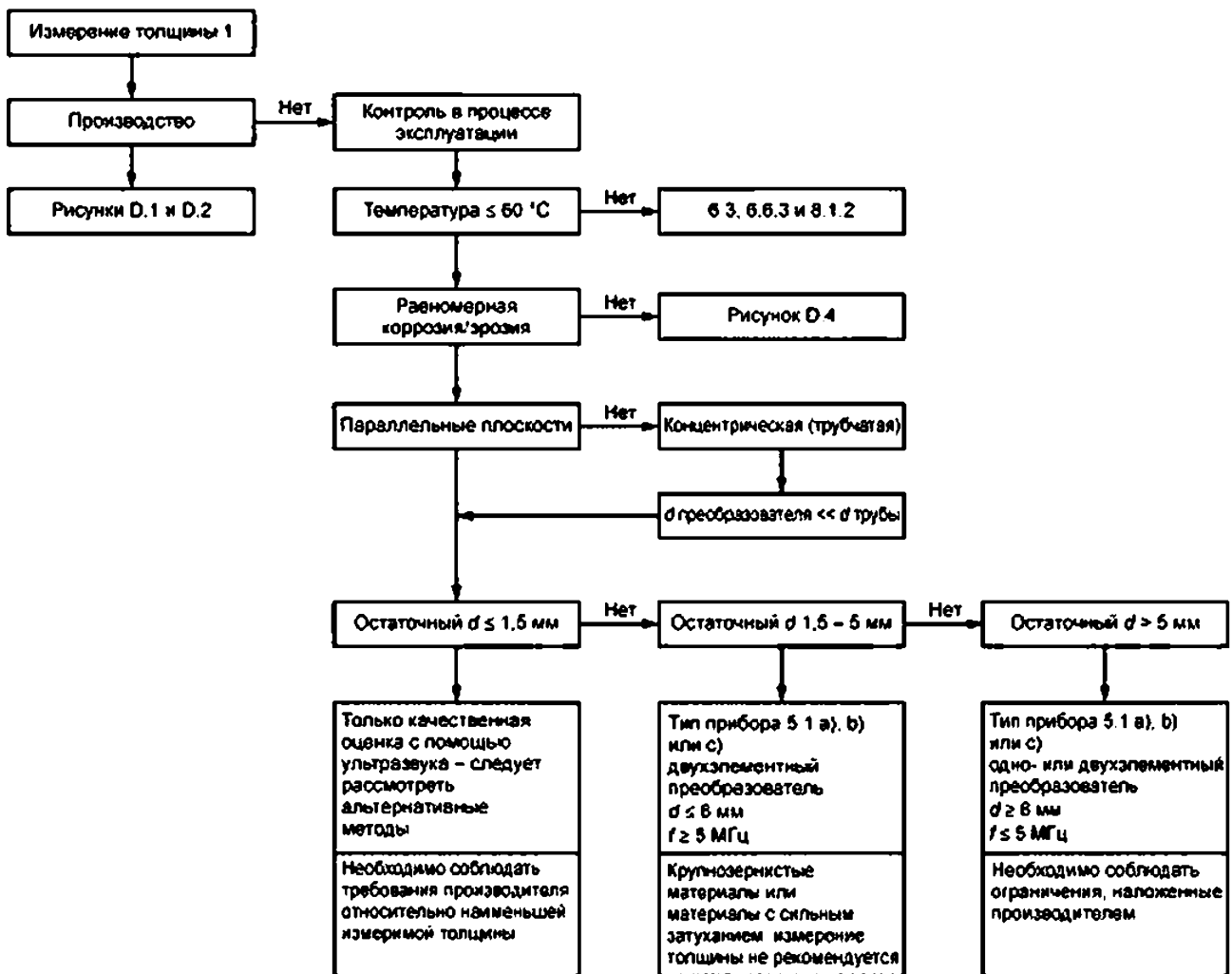
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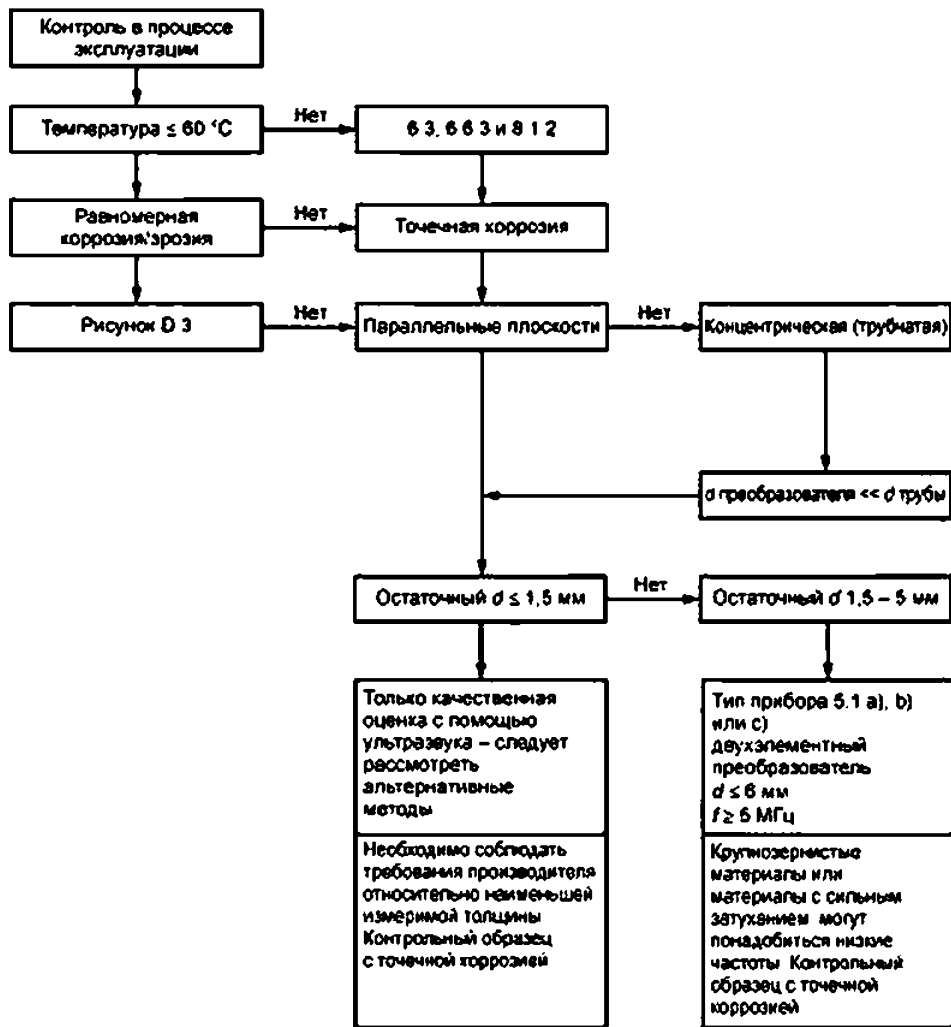
$d > 1,5$

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D.3 — -



D.4 — -

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ISO SS77:2000		5577—2009 « - »
ISO 16811	—	»
EN 1130-4	—	»
<p>* . -</p> <p>—</p> <p>:</p> <p>- — .</p>		

- [1] ISO 9712. Non-destructive testing — Qualification and certification of NDT personnel
- [2] ISO 14253\*2. Geometrical product specifications (GPS) — Inspection by measurement of workpieces and measuring equipment — Part 2: Guidance for the estimation of uncertainty in GPS measurement. In calibration of measuring equipment and in product verification
- [3] Directive 97/23/EC of the European Parliament and of the Council of 29 May 1997 on the approximation of the laws of the Member States concerning pressure equipment (as amended and corrected). Off. J. 1997—07—09. L 81. pp. 1—68

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