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INTERSTATE COUNCIL FOR STANDARDIZATION, METROLOGY AND CERTIFICATION  
(ISC)

**32932—**

**2014  
(ISO  
3290-2:2008)**

**(ISO 3290-2:2008, MOD)**



2015

1.0—92 «  
1.2—2009 «  
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« »  
5  
2 307 «  
3  
( 29 2014 . No 69 - )

( 3166) 004—97	( 3166)004—97	
	AM BY KG RU UA	

4 2014 . No 1010- 08 -  
32932—2014 (ISO 3290-2:2008)  
01 2016 .  
5 ISO 3290-  
2:2008 Rolling bearings - Balls - Part 2: Ceramic balls ( 2.  
)  
3 4  
ISO/TC 4 «  
(ISO).  
( ).  
(MOD)  
6



Федеральное агентство  
по техническому регулированию  
и метрологии

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и метрологии



## 32932—2014

3.5.1 (deviation from spherical form):

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3.5.2 (waviness):

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3.5.3 (surface roughness):

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3.5.4 (surface defect):

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3.6 (ball lot):

3.7

(mean diameter of ball lot):

3.8

(variation of ball lot diameter):

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(ball grade):

G

G 20.

3.10 (ball gauge):

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3.11

(deviation of a ball lot from ball gauge):

3.12

(ball subgauge):

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3.13 (hardness):

3.14 (interval of bai\* gauge):

3.15 (interval of ball subgauge):

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ISO 15241.

\* -

0 -

 $D_{MVR4>}$  -

G -

 $I_s$  - $I_{SS}$  -

Ra -

5 -

 $Vd^*i$  - $Vd^{**}i$  -

\* -

5 -

2789:

&amp; = - (0\* + S).

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5.1

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0.		0		*		0-	
0.300	-	5.500	-	12.700	1/2	26.000	-
0.397	1/64	5.556	7/32	13.000	-	26.194	1 1/32
0.400	-	5.953	15/64	13.494	17/32	26 988	11/16
0.500	-	6.000	-	14.000	-	28.000	-
0.508	1/50	6.350	1/4	14.288	9/16	28.575	1 1/8
0.600	-	6.500	-	15.000	-	30 000	-
0.635	1/40	6.747	17/64	15.081	19/32	30.162	1 3/16
0.680	-	7.000	-	15.875	5/8	31.750	1 1/4
0700	-	7.144	9/32	16.000	-	32 000	-
0.794	1/32	7.500	-	16.669	21/32	33.000	-
0.800	-	7.541	19/64	17.000	-	33.338	1 5/16
1.000	-	7.938	5/16	17.462	11/16	34 000	-
1.191	3/64	8.000	-	18.000	-	34.925	1 3/8
1.200	-	8.334	21/64	18.256	23/32	35.000	-
1.500	-	8.500	-	19.000	-	36 000	-
1.588	1/16	8.731	11/32	19.050	3/4	36.512	1 7/16
1.984	5/64	9.000	-	19.844	25/32	38.000	-

**1**

0.		0.		0.		0.	
2.000	-	9.128	23/64	20.000	-	38.100	1 1/2
2.381	3/32	9.500	-	20.500	-	39.688	1 9/16
2.500	—	9.525	3/8	20.638	13/16	40.000	—
2.776	7/64	9.922	25/64	21.000	-	41.275	1 5/8
3.000	-	10.000	-	21.431	27/32	42.862	1 1/16
3.175	1/8	10.319	13/32	22.000	—	44.450	1 3/4
3.500	-	10.50	-	22.225	7/8	45.000	-
3.572	9/64	11.000	-	22.500	-	46.038	1 13/16
3.969	5/32	11.112	7/16	23.000	—	47.625	1 7/8
4.000	-	11.500	-	23.019	29/32	49.212	1 15/16
4.366	11/64	11 S09	29/64	23.812	15/16	50.000	-
4.500	—	11.906	15/32	24.000	—	50.800	2
4.763	3/16	12.000	-	24.606	31/32	53.975	2 1/8
5.000	-	12.303	31/64	25.000	-	55.000	-
£.159	13/64	12.500	-	25.400	1	57.150	2 1/4
- 1		= 25.4					

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2789.

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	V-» 1 ** 1 Ra		
G 3	0.08	0.08	0.010
G 5	0,13	0.13	0.014
G 10	0,25	0.25	0,020
G 16	0.40	0.40	0.025
G 20	0.50	0.50	0,032
G 24	0.60	0.60	0.040
G 28	0.70	0.70	0.050
G 40	1.00	1.00	0,060
G 60	1.50	1.50	0.080
G 100	2.50	2.50	0.100

5.3

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	V'owt,				≤SS	
G 3	0.13	0.5	-5.. ..-0,5,	0,	0.5...>5	0.1 -0.2. -0.1. 0, 0.1, .
G 5	0,25	1	-5.. ..-1,	0.	1...>5	0,2 -0,4. -0.2. 0. 0.2, .4
G 10	0.50	1	-9.. ..-1.	0,	1,...>9	0.2 -0.4. -0.2. 0. 0.2. «0.4
G 16	0.80	2	•10,. ..•2.	0.	2...>10	0,4 -0.8. -0.4. 0. 0.4, .
G 20	1.00	2	•10.. ..-2,	0,	2...>10	0.4 •0.8. -0.4, 0. 0.4, .
G 24	1,20	2	•12.. . - 2 ,	0 ,	2,...>12	0.4 •0,8. -0.4. 0, 0.4, .
G 28	1.40	2	•12.. ..-2.	0.	2...>12	0.4 •0.8. -0.4. 0. 0.4, .
G 40	2.00	4	•16,. ..*4,	0,	4...>16	0.8 -1,6. -0.8. 0. 0.8, l.e
G6C	3.00	6	•18,. ..-6,	0.	6,...>18	1.2 -2.4.-1.2. 0. 1,2. ^2.4
G 100	5.00	10	-40... .•10.	0.	10...>40	2 -4. -2. 0. 2. +4

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no ISO 26602 [1].

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1.

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3.

ISO 12181-1 [2].

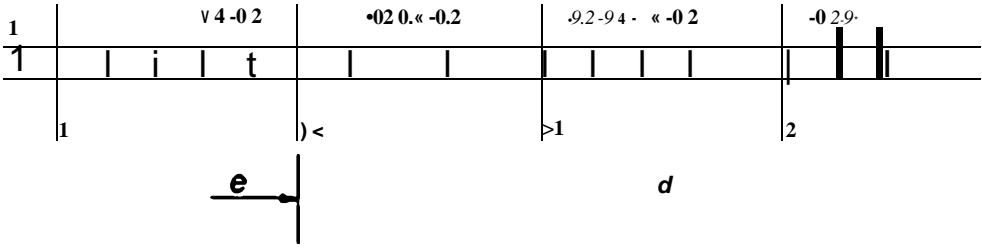
ISO 4291 [3].

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G 5 (

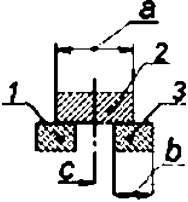


- d - ; 6 - : - Q\*.

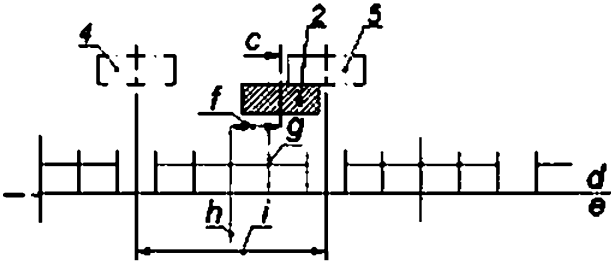
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hh-H hhhhH l~d



f - : 2- ; 3- S: ;  
4 - \*\*;  
5- S;  
- V©\*.; -  
- Ow; d - : -  
(- \* - , S.  
- S: » -

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$$\left( \begin{array}{c} \vdots \\ \vdots \end{array} \right)$$

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1.1. / 1.2.

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**.1.1.**

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**.1\_2.**

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2	ISO 1132-1 « . . 1. » 25256-2013 <sup>11</sup> « » ISO 5593 « » 24955-81 <sup>11</sup> « » ISO 4288 « (GPS). » 2789-73“ « - »
- NEQ.	

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«3.14

(interval of ball gauge):

	3.15	(interval of ball subgauge): »
4	«/s - ; - :»	

- [1] 26602-2009\* ( ).
- [2] 12181-1:2011\* (GPS). 1. (Geometrical Product Specifications (GPS) - Roundness - Part 1: Vocabulary and parameters of roundness)
- [3] 4291:1985\* (Methods for the assessment of departure from roundness — Measurement of variations in radius)

32932—2014

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16.03.2015. 60x84V\*  
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123995 . ., 4.  
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