



(**3722-81**
1990-79)

... (), « .

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17

1981 . 2013⁻

Rolling bearings. Balls.
Technical requirements

3722-81
(CT
1990-79)

46 9100

3722—60

1981 . 2013

17

01.07 1983 .

01.07 1988 .

1.

1990—79.

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1.1.

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		, 1000 .,			1G0Q .,
0,250		0,00008	0,400		0,00026
0,300		0,00011	0,500		0,00061
0,360		0,00016	0,508		0,00054
(0,397)		0,00025	0,600		0,00089

$^{\circ}W$ —	1000 ..	D_W	1000 ..
0,635	0,00105	9,128	33/ 3,12
0,680	0,00129	9,525	31 3,55
0,700	0,00141	9,922	4,01
(0,794)	0,00206	10,000	4,11
0,800	0,00210	10,319	13/ 2 4,51
0,840	0,00243	10,716	371 5,06
0,850	0,00252	11,000	5,47
1,000	0,00411	11,112	Vw 5,64
(1,191)	0,00694	11,500	6,25
1,200	0,00710	11,509	3*1 6,26
1,300	0,00903	11,906	18/ 6,93
1,500	0,0139	12,000	7,10
1,588	0,0164	12,303	31/ 7,65
1,984	0,0321	12,700	V» 8,42
2,000	0,0329	13,000	9,03
2,381	0,0554	13,494	10,1
2,500	0,0642	14,000	11,3
2,778	0,0881	14,288	12,0
3,000	0,111	15,000	1 13,9
3,175	0,132	(15,081)	14,1
3,500	0,176	15,875	? 16,4
3,572	0,187	16,000	16,8
(3,969)	0,257	16,669	19,0
4,000	0,263	17,000	20,2
4,366	0,342	17,462	21,9
4,500	0,374	18,000	24,0
4,763	0,444	18,256	33/ 2 25,0
5,000	0,514	19,000	28,2
5,159	0,564	19,050	28,4
5,500	0,684	19,844	*1 33 32,1
5,556	0,705	20,000	32,9
5,800	0,802	20,638	36,1
(5,953)	0,867	21,000	38,0
6,000	0,887	21,431	"/ 40,4
6,350	1,05	22,000	43,8
6,500	1,13	22,225	7/« 45,1
6,747	1,26	23,000	50,0
7,000	1,4!	(23,019)	*9/ 50,1
7,144	1,50	23,812	55,5
7,500	1,73	24,000	56,8
(7,541)	1,76	24,606	^/ 61,2
7,938	2,06	25,000	64,2
8,000	2,10	25,400	1 67,3
8,334	2,38	26,000	72,2
8,500	2,52	26,194	1 1/ 73,8
8,731	2,73	26,988	1 Vie 80,8
9,000	3,00	27,781	1 3/ 88,1

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D_W		1000 KP „			1000 „
28,000		90,2	60,000	—	887
28,575	1 Vs	95,8	60,325	2 Vs	902
30,000		111	61,912	2 V.e	975
(30,162)	1 ³ /le	113	63,500	2 Vs	1052
31,750	1 Vi	132	65,000	—	1128
32,000		135	66,675	2 ⁶ /e	1218
32,544	1 */	142	69,850	2 ³ U	1400
33,338	1 Vie	152	73,025	2 V ₈	1600
34,000		162	75,000		1733
(34,925)	1 ~/8	175	76,200	3	1818
35,000		176	79,375	3 Vs	2054
35,719	1 ¹³ / 2	187	80,000		2103
36,000		192	82,550	3 v«	2311
36,512	1 VIO	200	85,725	3 ³ /s	2588
38,000		225	88,900	3 Vs	2886
(38,100)	1 Vs	227	90,000		2995
(39,688)	1 ^e /16	257	92,075	3 Vs	3207
40,000		263	95,250	3 V 4	3550
41,275	1 ⁵ /s	289	98,425	3 Vs	3917
42,862	1 >V te	324	100,000		4108
44,450	1 ³ / _{<}	361	101,600	4	4308
45,000		374	104,775	4 Vs	4725
46,038	1 'Vie	401	107,950	4 Vi	5168
47,625	1 T ₈	444	108,000		5175
49,212	1 ¹⁵ /ie	490	110,000		5468
50,000		514	111,125	4 /,	5637
50,800	2	539	114,300	4 V 2	6134
52.388	2 Vie	591	120,000		7100
53,975	2 Vs	646	127,000		8415
55,000		684	150,000	—	13865
57,150	2	767			

1.

2.

3.

7,85 / 3.

1.2.

. 4 3722—81

5,8 10:

5,8—10 3722—81

3,969 5:

3,969—5 3722—81

9,525 100:

9,525—100 3722—81

1.3. 1,

2.

2.1. 1,

2.2. 801—78 4727—67.

2.3. :
HRC 6 2 ... 66 — 45 ;
HRC 6 0 .. 66 — 45 .

2.4. 10 : 3; 5; 10; 16; 20;
28; 40; 60; 100; 200.
2.5.

. 2.

2

-	-	D_{wr}	-	-	-	-	-	
							,	-
-			ΔO_{wm}		$\sqrt{D_{ws}}$		Ra	Rz
-			,					
3		0,25 12	± 5	0,13	0,08	0,08		0,100
5		0,25 . 12	± 5	0,25	0,13	0,13	0,020	0,100
10	»	0,25 . 25	± 9	0,50	0,25	0,25	0,020	0,100
16	w	0,25 . 25	± 10	0,80	0,40	0,40	0,032	0,160
20		0,25 . 38	± 10	1,00	0,50	0,50	0,040	0,200
28		0,25 . 38	± 12	1,40	0,70	0,70	0,050	0,250
40		0,25 . 50	± 16	2,00	1,00	1,00	0,080	0,400
60	»	0,25 . 80	± 30	3,00	1,50	1,50	0,100	0,500
100	g	0,25 . 120	± 40	5,00	2,50	2,50	0,125	0,600
200		0,25 . 150	± 60	10,00	5,00	5,00	0,200	0,800

1. Rz 3-
2. $D_w^{\wedge 3}$.
» 2. ,
2.6. ,
. 3. ,

3

D_{wr}	$a \text{ } \text{£} \text{ } W \text{ } *$
0,25 1,5 3	$\pm 0,010$ $+0,010$ $-0,020$
. 3 6 10 18 30	$\pm 0,025$ $\pm 0,050$ $\pm 0,100$ $\pm 0,150$ $\pm 0,200$

2.7.

.

300

0,5 ,

2.8.

2.9.

3 45

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2.

4

	(), ,	D_{W^2}	(), ,
3,175	5394 (550)	18,256	168674 (17200)
3,969	8434 (860)	19,050	183384 (18700)
4,763	12062 (1230)	19,844	199075 (20300)
5,556	16279 (1660)	20,638	214766 (21900)
5,953	18142 (1850)	21,43!	220650 (22500)
6,350	21280 (2170)	22,225	247128 (25200)
7,144	26968 (2750)	23,019	257915 (26300)
7,938	32852 (3350)	23,812	281451 (28700)
8,731	39717 (4050)	25,400	318716 (32500)
9,128	43149 (4400)	26,194	333426 (34000)
9,525	47071 (4800)	26,988	357943 (36500)
9,922	51975 (5300)	27,781	374614 (38200)
10,319	54917 (5600)	28,575	397169 (40500)
10,716	59820 (6100)	30,162	441299 (45000)
11,112	63743 (6500)	31,750	487390 (49700)
11,509	68646 (7000)	33,338	534462 (54500)
11,906	73549 (7500)	34,925	582515 (59400)
12,303	78453 (8000)	35,719	603109 (61500)
12,700	83356 (8500)	36,512	632529 (64500)
13,494	94143 (9600)	38,100	686465 (70000)
14,288	104931 (10700)	39,688	735499 (75000)
15,081	116699 (11900)	41,275	799242 (81500)
15,875	128467 (13100)	42,862	853179 (87000)
16,669	142196 (14500)	44,450	912018 (93000)
17,462	154945 (15800)		

2.10. 45

. 5. 5

D_{Wt}	46,038	50,8	60	76,2	100	101,6	150
, ()	63,7 (6,5)	78,45 (8)	98,07 ()	147,1 (15)	245,17 (25)	245,17 (25)	490,33 (50)
, , ,	2,5	3	3	3	4	4	6

3.

3.1. -

3.2. -

∴
2.2—0,03% 45 —
5 10 (.);
45 — 2 .
5 ∴;
2.4 2.6—0,1% , 5 .
50 ∴;
2.7—0,03% , 5 . 50 ∴;
, 4—3 .

3.3. -

, , -
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4.

4.1. -

4.2. 5 -

9013—59 , ,

5 15,1

. 6.

6

« 5 2 5 £ * Elcf	, HRC										
	56	57	58	59	60	61	62	63	64	65	66
	HRC										
5,000	60,5	61,5	62,0	63,0	64,0	64,5	65,5	66,0		—	.
5,556	60,0	61,0	61,5	62,5	64,0	64,5	65,0	65,5	66,0	—	—
6,350	59,5	60,5	61,5	62,0	63,5	64,0	65,0	65,5	66,0	—	—
7,144	59,0	60,0	61,0	61,5	63,0	64,0	64,5	65,0	66,0	67,0	—
7,938	59,0	60,0	60,5	61,5	62,5	63,5	64,0	65,0	65,5	66,5	—
8,731	59,0	59,5	60,5	61,5	62,5	63,0	63,5	64,5	65,5	66,0	67,0
9,525	58,5	59,5	60,0	61,0	62,0	63,0	63,5	64,5	65,0	66,0	67,0
10,319	58,5	59,0	60,0	61,0	62,0	62,5	63,5	64,0	65,0	66,0	66,5
11,112	58,0	59,0	60,0	60,5	61,5	62,5	63,0	64,0	65,0	65,5	66,5
11,906	58,0	59,0	60,0	60,5	61,5	62,5	63,0	64,0	64,5	65,5	66,5
12,700	57,5	58,5	59,5	60,5	61,5	62,0	63,0	63,5	64,5	65,5	66,0
13,494	57,5	58,5	59,5	60,5	61,5	62,0	62,5	63,5	64,5	65,0	66,0
14,288	57,5	58,0	59,0	60,0	61,0	62,0	62,5	63,5	64,0	65,0	66,0
15,081	57,0	58,0	59,0	60,0	61,0	61,5	62,5	63,5	64,0	65,0	66,0

. 6,

4.3.

5

4.4.

5

10

4.5.

10

—

$$D_w^{.6}$$

4.6.

 D_{ws} D_{wm}

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, 2

4.7.

4.8.

4.9.

HRC 58...63

30

4.10.

4.11.

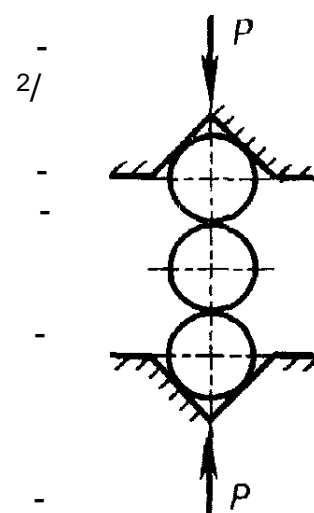
5.

5.1.

9.014— 78.

9.014— 78.

5.2.



16148—79.

515—77
10354—73

16272—79,
(, .),

5.3. 1,3

1,5

20

5.4.

50

5.5.

b_{DwmL} ;

(,);

5.6.

:

A_{DwmL} \

(,) .

5.5,

5.7.

5.8.

5.9.

14192—77.

» 14192—77.

5.11.

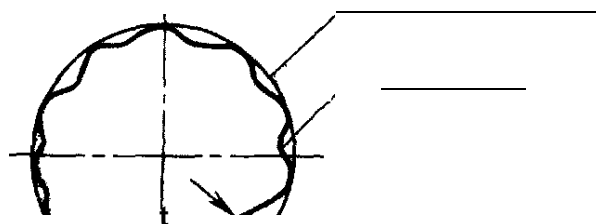
70%.

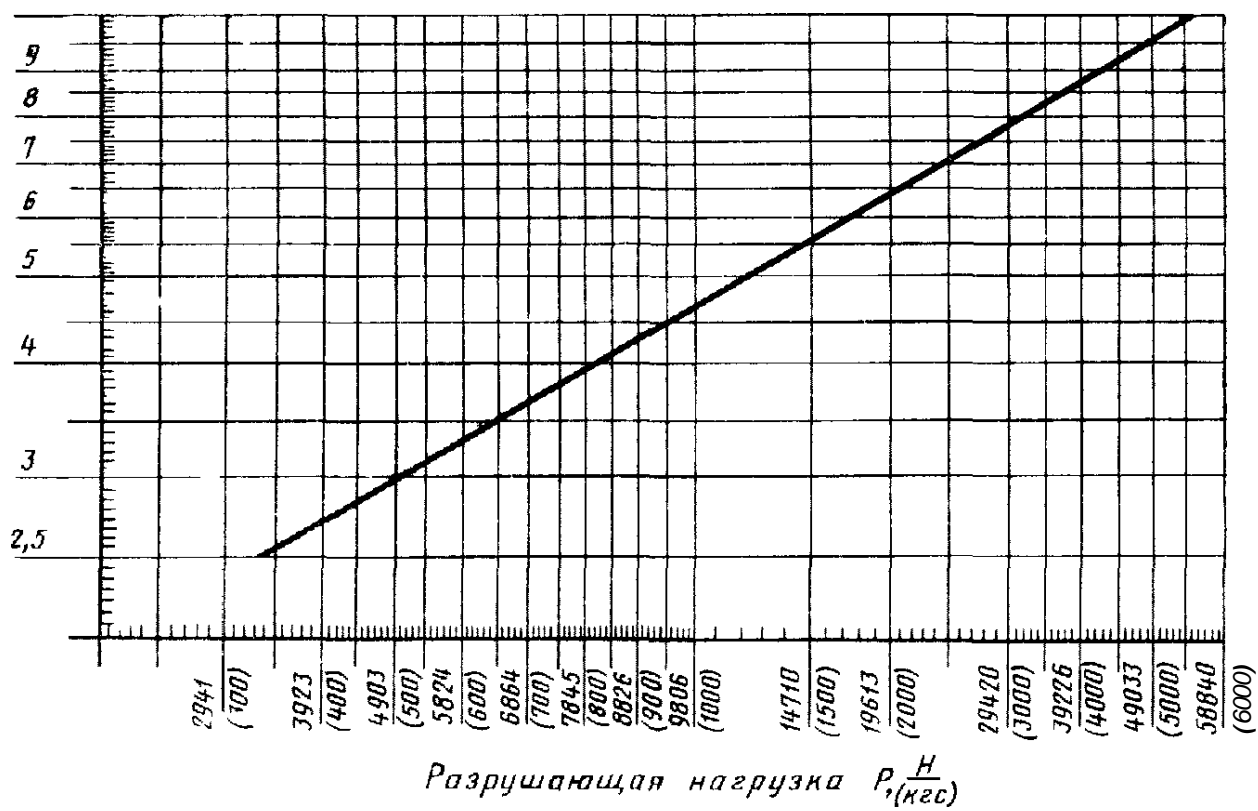
6.1.

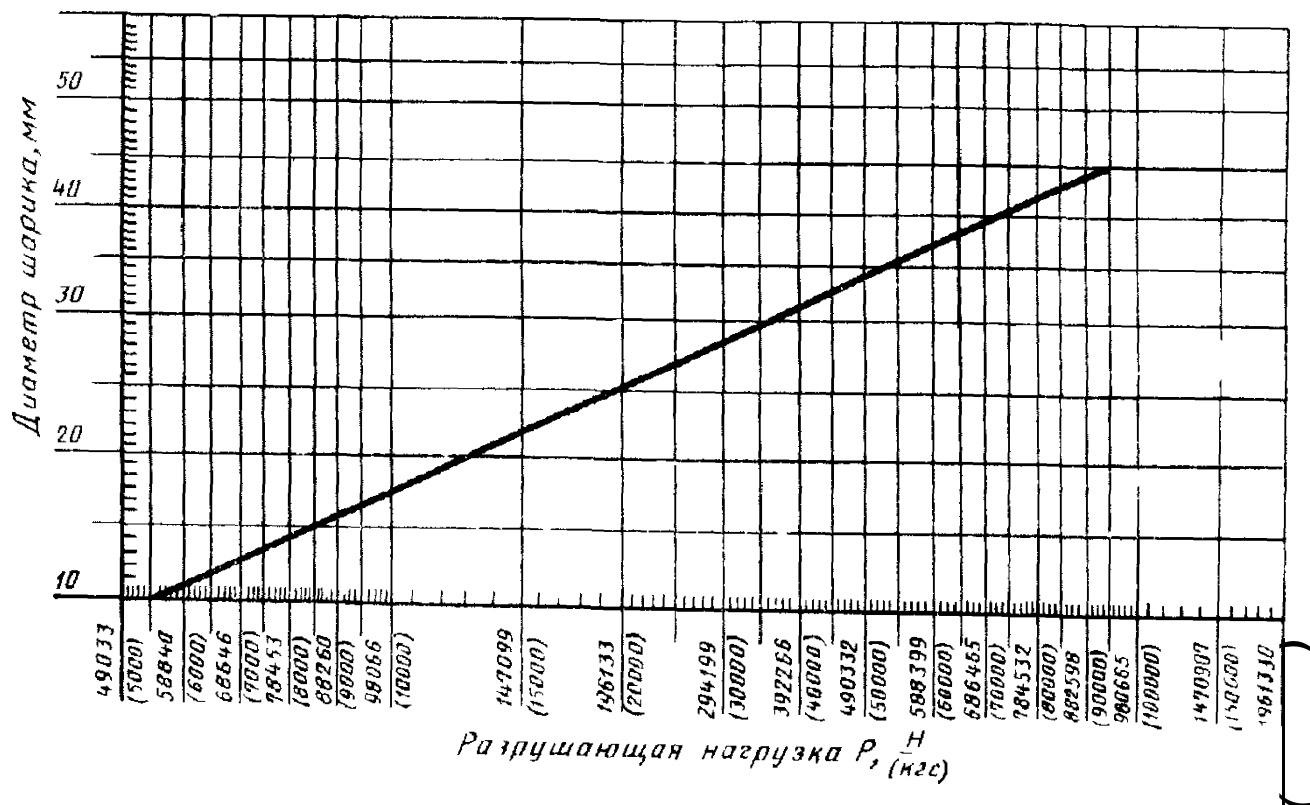
6.2.

(20±5)°

-	D_w	,
		-
	O_{ws}	1472—78
	Dwm	1472—78
	$V Dws$	1472—78
	A	1472—78
-		1472—78
		,
		,
		-
		-
		-
		,
		,
		-
	$DwmL$	-
		-
		-
-		-
		-
	$VDwL$	1472—78







07.05.81

01 09 81 1,0

0,92

30000

5

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»

123557,

„ 3

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„ 6

793