

MACHINED TYPE NEEDLE ROLLER BEARINGS

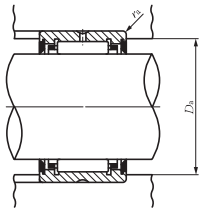
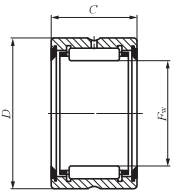
With Seal, Without Inner Ring, Inch Series



Shaft dia. 15.875 – 50.800mm

Shaft dia. mm (inch)	Identification number With two seals	Mass (Ref.) g	Boundary dimensions mm(inch)			Standard mounting dimensions mm	
			F_w	D	C	D_a Max.	$r_{as\ max}^{(1)}$
15.875 (5/8)	BR 101816 UU	54	15.875 (5/8)	28.575 (1 1/8)	25.400 (1)	24.5	0.6
19.050 (3/4)	BR 122016 UU	68	19.050 (3/4)	31.750 (1 1/4)	25.400 (1)	26.5	1.0
22.225 (7/8)	BR 142216 UU	76	22.225 (7/8)	34.925 (1 3/8)	25.400 (1)	29.7	1.0
25.400 (1)	BR 162416 UU	83	25.400 (1)	38.100 (1 1/2)	25.400 (1)	32.9	1.0
28.575 (1 1/8)	BR 182620 UU	115	28.575 (1 1/8)	41.275 (1 5/8)	31.750 (1 1/4)	36.0	1.0
31.750 (1 1/4)	BR 202820 UU	124	31.750 (1 1/4)	44.450 (1 3/4)	31.750 (1 1/4)	39.2	1.0
34.925 (1 3/8)	BR 223020 UU	134	34.925 (1 3/8)	47.625 (1 7/8)	31.750 (1 1/4)	42.4	1.0
38.100 (1 1/2)	BR 243320 UU	168	38.100 (1 1/2)	52.388 (2 1/16)	31.750 (1 1/4)	45.1	1.5
41.275 (1 5/8)	BR 263520 UU	179	41.275 (1 5/8)	55.562 (2 3/16)	31.750 (1 1/4)	48.3	1.5
44.450 (1 3/4)	BR 283720 UU	193	44.450 (1 3/4)	58.738 (2 5/16)	31.750 (1 1/4)	51.5	1.5
47.625 (1 7/8)	BR 303920 UU	202	47.625 (1 7/8)	61.912 (2 7/16)	31.750 (1 1/4)	54.7	1.5
50.800 (2)	BR 324120 UU	216	50.800 (2)	65.088 (2 9/16)	31.750 (1 1/4)	57.8	1.5

Notes⁽¹⁾ Maximum permissible corner radius of the housing
⁽²⁾ Allowable rotational speed applies to grease lubrication.
Remarks1. The outer ring has an oil groove and an oil hole.
2. Bearings are provided with prepacked grease.
3. If one side sealed type are needed, please contact IKO.



BR ... UU

Basic dynamic load rating C N	Basic static load rating C_0 N	Allowable rotational speed ⁽²⁾ min ⁻¹
18 300	20 000	12 000
20 700	24 400	10 000
21 600	26 900	9 000
23 600	31 300	8 000
34 900	49 900	7 000
36 000	53 500	6 500
38 500	60 000	5 500
43 700	66 900	5 500
44 800	70 900	4 500
47 500	78 200	4 500
48 500	82 100	4 000
51 000	89 400	4 000

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MACHINED TYPE NEEDLE ROLLER BEARINGS

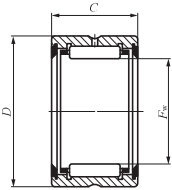
With Seal, Without Inner Ring, Inch Series



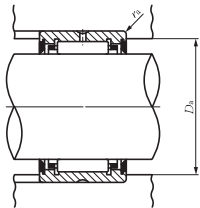
Shaft dia. 57.150 – 95.250mm

Shaft dia. mm (inch)	Identification number With two seals	Mass (Ref.) g	Boundary dimensions mm(inch)			Standard mounting dimensions mm	
			F_w	D	C	D_a Max.	$r_{as\ max}^{(1)}$
57.150 (2 1/4)	BR 364828 UU	459	57.150 (2 1/4)	76.200 (3)	44.450 (1 3/4)	69.0	1.5
63.500 (2 1/2)	BR 405228 UU	499	63.500 (2 1/2)	82.550 (3 1/4)	44.450 (1 3/4)	74.3	2.0
69.850 (2 3/4)	BR 445628 UU	540	69.850 (2 3/4)	88.900 (3 1/2)	44.450 (1 3/4)	80.7	2.0
76.200 (3)	BR 486028 UU	585	76.200 (3)	95.250 (3 3/4)	44.450 (1 3/4)	87.0	2.0
82.550 (3 1/4)	BR 526828 UU	891	82.550 (3 1/4)	107.950 (4 1/4)	44.450 (1 3/4)	99.7	2.0
88.900 (3 1/2)	BR 567232 UU	1 098	88.900 (3 1/2)	114.300 (4 1/2)	50.800 (2)	106.1	2.0
95.250 (3 3/4)	BR 607632 UU	1 161	95.250 (3 3/4)	120.650 (4 3/4)	50.800 (2)	111.4	2.5

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3. If one side sealed type are needed, please contact IKO.



BR ··· UU



Basic dynamic load rating C N	Basic static load rating C_0 N	Allowable rotational speed ⁽²⁾ min ⁻¹
90 300	158 000	3 500
94 600	174 000	3 000
98 700	189 000	2 500
105 000	211 000	2 500
109 000	227 000	2 500
142 000	265 000	2 000
148 000	287 000	2 000

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NA
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