



NUKR

Double Row • Heavy Rollers

Stud Type

Shielded • Full Complement

NUKR bearings are standard with 500 mm Crowded Outer Race

SMITH Bearing® Number	Dimensions (mm) (For Tolerances, See chart in Engineering Section)													Basic Load Ratings				Max Speed* (rpm) n	Mass (grams) g
	D	d	C**	r _s	B	B ₁	B ₂	G	G ₁	M	M ₁	C ₁	d ₂	dyn	stat	Track Roller			
														Newtons	Newtons	dyn	stat		
NUKR-35	35	16	18	0.6	52	32.5	8	M16x1.5	17	6	3	0.8	21	23,000	27,000	16,000	18,300	6,500	176
NUKR-40	40	18	20	1	58	36.5	8	M18x1.5	19	6	3	0.8	23	24,800	31,000	18,500	22,800	5,500	257
NUKR-47	47	20	24	1	66	40.5	9	M20x1.5	21	8	4	0.8	27	39,000	50,000	28,000	34,500	4,200	380
NUKR-52	52	20	24	1	66	40.5	9	M20x1.5	21	8	4	0.8	31	43,500	60,000	29,000	37,500	3,400	450
NUKR-62	62	24	29	1	80	49.5	11	M24x1.5	25	8	4	0.8	38	59,000	79,000	40,500	51,000	2,600	795
NUKR-72	72	24	29	1.1	80	49.5	11	M24x1.5	25	8	4	0.8	44	65,000	93,000	45,000	61,000	2,100	1,200
NUKR-80	80	30	35	1.1	100	63	15	M30x1.5	32	8	4	1	47	95,000	133,000	67,000	93,000	1,800	1,800
NUKR-85	85	30	35	1.1	100	63	15	M30x1.5	32	8	4	1	47	96,000	133,000	67,000	93,000	1,800	1,740
NUKR-90	90	30	35	1.1	100	63	15	M30x1.5	32	8	4	1	47	95,000	133,000	77,000	110,000	1,800	2,300

- 1) The basic load rating C and C₀ apply if the bearing outer ring (with cylindrical outside surface) is mounted in a housing bore with the normal rolling bearing fit. When used as a track roller, the load rating C_w and C_{ow} apply.
- 2) *Limiting Speed for grease lubrication: For oil lubrication speed may be increased by up to 30%.
- 3) ** Tolerance for "C" Raceway Width is +0.00/-0.12 mm
- 4) Add suffix "B" for hex-drive socket. Example for Hex-drive: **NUKR-35-B**
- 5) Add suffix "E" for eccentric sleeve. Example for Eccentric Sleeve: **NUKR-35-E**
- 6) Standard bearings have crowned outer race.
For straight cylindrical outer race add suffix "C". Example for straight cylindrical outer race: **NUKR-35-C**

For Dimensional Tolerances, see Metric Tolerance Chart in Engineering Section.

INTERCHANGE TABLE

**Double Row • Heavy Rollers
Shielded • Full Complement**

SMITH® • INA	McGILL
NUKR-35	MCFD-35
NUKR-40	MCFD-40
NUKR-47	MCFD-47
NUKR-52	MCFD-52
NUKR-62	MCFD-62
NUKR-72	MCFD-72
NUKR-80	MCFD-80
NUKR-85	MCFD-85
NUKR-90	MCFD-90