

## **NKE IKOS-design integral tapered roller bearings**

- > High load rating
- > Ready-for-use units for easy mounting
- > Maintenance free with integrated seal and high performance lubricant

*More possibilities!*

**NKE**  
B E A R I N G S

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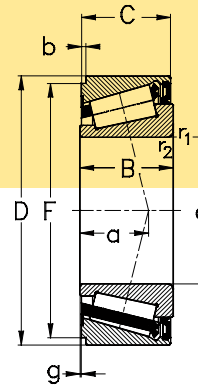
## Technical characteristics

NKE IKOS-design integral tapered roller bearings are ready-to-use and non separable units (see figure below):

- > High radial and thrust load ratings
- > With integrated double-lip seal
- > Glass fibre reinforced window-type polyamide cage
- > Pre-greased with high performance lubricant (MT32) for operating temperature range from -25°C to +140°C
- > Sealed and pre-adjusted bearing units

## Typical applications for IKOS-design integral tapered roller bearings

- > Conveying systems
- > Industrial plants
- > General machinery
- > Etc.



## Product data

Boundary dimensions [mm]				Designation	Load ratings [kN]			Limited speed ratings [rpm]			Maximum loads	Weight			
d	D	B	C	r <sub>1</sub> , r <sub>2</sub> min	dyn C <sub>r</sub>	stat. C <sub>0r</sub>	C <sub>u</sub>	F	b	a	n <sub>gFett</sub> <sup>1)</sup>	g +0,05	F <sub>S max</sub> <sup>2)</sup> [kN]	m [kg]	
20	42	17	16,5	0,6	IKOS020	24,5	29	4	38,1	0,75	11,1	4800	0,025	4,5	0,1
25	47	17	16,5	0,6	IKOS025	26,5	34	4	43,1	0,75	12,4	4000	0,015	5	0,128
30	55	19	18,5	1	IKOS030	39	47,5	6	51,4	0,75	14,8	3400	0,02	7,2	0,18
35	62	20	19,5	1	IKOS035	38	50	6	58,4	0,75	16,2	3000	0,02	7,2	0,24
40	68	21	20,5	1	IKOS040	54	71	9	64,4	0,75	15,8	2700	0,03	10	0,29
45	75	22	21,5	1	IKOS045	60	83	10	70,7	1	17,2	2400	0,02	11	0,363
50	80	22	21,5	1	IKOS050	64	95	12	75,7	1	18,7	2200	0,02	12	0,103
60	95	26	25	1,5	IKOS060	83	125	15	89,8	1,25	23,1	1800	0,03	15,3	0,62
70	110	27	26,5	1,5	IKOS070	104	160	20	104,8	1,25	25	1500	0,03	19,6	0,9
80	125	30	29,5	1,5	IKOS080	137	212	26	119,8	1,25	28	1300	0,03	25,8	1,33
90	140	33,5	33	2	IKOS090	166	255	29	133,7	1,25	31,6	1200	0,03	31,2	1,9
100	150	33,5	33	2	IKOS100	173	285	31	143,6	1,25	34,4	1100	0,03	33,2	2
110	170	40	39,5	2,5	IKOS110	240	390	40	163,7	1,25	38,9	1000	0,035	45,6	3,3
120	180	40	39,5	2,5	IKOS120	250	425	42	173,7	1,25	41,6	900	0,03	47,2	3,5
130	200	47,5	47	2,5	IKOS130	325	550	52	192	1,5	46,3	800	0,045	63	5,2
140	210	47,5	47	2,5	IKOS140	315	610	56	202	1,5	49,7	320	0,04	60	5,9
150	225	50	49,5	3	IKOS150	375	695	62	217	1,5	48,3	280	0,04	71	7
160	240	54,5	54	3	IKOS160	415	800	69	232	1,5	56,3	280	0,04	78	8,8

<sup>1)</sup> Recommended speed limit for bearing pairs

<sup>2)</sup> Max. axial clamping force per bearing pair

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