

## **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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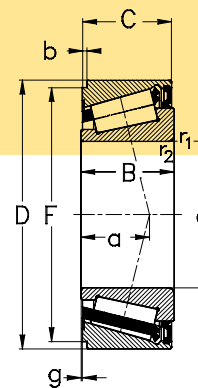
## Technical characteristics

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]			Speed ratings [rpm]			Maximum loads		Weight [kg]	
d	D	B	C	r <sub>1</sub> , r <sub>2</sub> min		dyn C <sub>r</sub>	stat. C <sub>0r</sub>	F	b	a	n <sub>g</sub> Fett <sup>1)</sup>	g +0,05	F <sub>S</sub> max <sup>2)</sup> [kN]		F <sub>BR</sub> <sup>3)</sup>
20	42	17	16,5	0,6	<b>IKOS 020</b>	24,5	29	38,1	0,75	11,1	4800	0,025	4,5	13,3	0,1
25	47	17	16,5	0,6	<b>IKOS 025</b>	26,5	34	43,1	0,75	12,4	4000	0,015	5	14,9	0,128
30	55	19	18,5	1	<b>IKOS 030</b>	39	47,5	51,4	0,75	14,8	3400	0,02	7,2	15,7	0,18
35	62	20	19,5	1	<b>IKOS 035</b>	38	50	58,4	0,75	16,2	3000	0,02	7,2	14,2	0,24
40	68	21	20,5	1	<b>IKOS 040</b>	54	71	64,4	0,75	15,8	2700	0,03	10	12,9	0,29
45	75	22	21,5	1	<b>IKOS 045</b>	60	83	70,7	1	17,2	2400	0,02	11	33,8	0,363
50	80	22	21,5	1	<b>IKOS 050</b>	64	95	75,7	1	18,7	2200	0,02	12	31,4	0,103
60	95	26	25	1,5	<b>IKOS 060</b>	83	125	89,8	1,25	23,1	1800	0,03	15,3	50,2	0,62
70	110	27	26,5	1,5	<b>IKOS 070</b>	104	160	104,8	1,25	25	1500	0,03	19,6	49	0,9
80	125	30	29,5	1,5	<b>IKOS 080</b>	137	212	119,8	1,25	28	1300	0,03	25,8	40,2	1,33
90	140	33,5	33	2	<b>IKOS 090</b>	166	255	133,7	1,25	31,6	1200	0,03	31,2	40,2	1,9
100	150	33,5	33	2	<b>IKOS 100</b>	173	285	143,6	1,25	34,4	1100	0,03	33,2	36,2	2
110	170	40	39,5	2,5	<b>IKOS 110</b>	240	390	163,7	1,25	38,9	1000	0,035	45,6	32	3,3
120	180	40	39,5	2,5	<b>IKOS 120</b>	250	425	173,7	1,25	41,6	900	0,03	47,2	30,8	3,5
130	200	47,5	47	2,5	<b>IKOS 130</b>	325	550	192	1,5	46,3	800	0,045	63	59	5,2
140	210	47,5	47	2,5	<b>IKOS 140</b>	315	610	202	1,5	49,7	320	0,04	60	56,8	5,9
150	225	50	49,5	3	<b>IKOS 150</b>	375	695	217	1,5	48,3	280	0,04	71	53,3	7
160	240	54,5	54	3	<b>IKOS 160</b>	415	800	232	1,5	56,3	280	0,04	78	49,6	8,8

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

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

<sup>3)</sup> Max. loadability of the snap ring joint at sharp-edged contact

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