

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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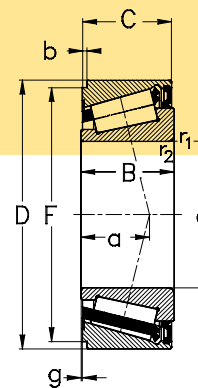
Technical characteristics

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

¹⁾ Recommended speed limit for bearing pairs

²⁾ Max. axial clamping force per bearing pair

³⁾ Max. loadability of the snap ring joint at sharp-edged contact

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