



d 25 ~ 60mm

Boundary dimensions				Basic load ratings				Limiting speeds ¹⁾		Bearing numbers ⁴⁾	
mm				dynamic	static	dynamic	static	min ⁻¹		cylindrical bore	tapered ²⁾ bore
d	D	B	r _{s min} ³⁾	C _r kN	C _{or}	C _r kgf	C _{or}	grease	oil		
25	52	18	1	57.3	46.1	5 840	4 700	10 400	13 000	*22205EAD1	*22205EAKD1
	52	18	1	57.3	46.1	5 840	4 700	10 400	13 000	*22205EMD1	*22205EMKD1
30	62	20	1	75.7	64.5	7 720	6 580	8 800	11 000	*22206EAD1	*22206EAKD1
	62	20	1	75.7	64.5	7 720	6 580	8 800	11 000	*22206EMD1	*22206EMKD1
35	72	23	1.1	100	92	10 200	9 380	7 500	9 400	*22207EAD1	*22207EAKD1
	72	23	1.1	100	92	10 200	9 380	7 500	9 400	*22207EMD1	*22207EMKD1
40	80	23	1.1	116	105	11 800	10 700	6 800	8 500	*22208EAD1	*22208EAKD1
	80	23	1.1	110	98	11 200	10 000	6 800	8 500	*22208EMD1	*22208EMKD1
	90	23	1.5	88	90	8 950	9 150	4 900	6 400	21308C	21308CK
	90	33	1.5	169	152	17 200	15 500	5 400	6 600	*22308EAD1	*22308EAKD1
	90	33	1.5	169	152	17 200	15 500	5 400	6 600	*22308EMD1	*22308EMKD1
45	85	23	1.1	121	113	12 300	11 500	6 100	7 700	*22209EAD1	*22209EAKD1
	85	23	1.1	116	106	11 800	10 800	6 100	7 700	*22209EMD1	*22209EMKD1
	100	25	1.5	102	106	10 400	10 800	4 400	5 700	21309C	21309CK
	100	36	1.5	206	187	21 000	19 100	4 600	5 700	*22309EAD1	*22309EAKD1
	100	36	1.5	206	187	21 000	19 100	4 600	5 700	*22309EMD1	*22309EMKD1
50	90	23	1.1	130	124	13 300	12 600	5 700	7 200	*22210EAD1	*22210EAKD1
	90	23	1.1	125	117	12 700	11 900	5 700	7 200	*22210EMD1	*22210EMKD1
	110	27	2	118	127	12 000	12 900	4 000	5 200	21310C	21310CK
	110	40	2	250	232	25 400	23 700	4 300	5 300	*22310EAD1	*22310EAKD1
	110	40	2	250	232	25 400	23 700	4 300	5 300	*22310EMD1	*22310EMKD1
55	100	25	1.5	155	148	15 800	15 100	5 300	6 700	*22211EAD1	*22211EAKD1
	100	25	1.5	148	140	15 100	14 300	5 300	6 700	*22211EMD1	*22211EMKD1
	120	29	2	145	163	14 800	16 600	3 700	4 800	21311	21311K
	120	43	2	296	274	30 200	28 000	3 900	4 800	*22311EAD1	*22311EAKD1
	120	43	2	296	274	30 200	28 000	3 900	4 800	*22311EMD1	*22311EMKD1
60	110	28	1.5	187	181	19 100	18 400	4 800	6 000	*22212EAD1	*22212EAKD1
	110	28	1.5	179	171	18 300	17 400	4 800	6 000	*22212EMD1	*22212EMKD1
	130	31	2.1	167	191	17 100	19 500	3 400	4 400	21312	21312K
	130	46	2.1	340	319	34 700	32 600	3 600	4 600	*22312EAD1	*22312EAKD1
	130	46	2.1	340	319	34 700	32 600	3 600	4 600	*22312EMD1	*22312EMKD1

1) Bearing part numbers with * are ULTAGE Series and have outer ring oil holes and oil groove as standard.

2) "K" indicates bearings have tapered bore with a taper ratio of 1: 12. 3) Smallest allowable dimension for chamfer dimension r.