

Principal dimensions			Basic load ratings		Pu	Speed ratings		Weight	Designation		Dimensions					Abutment and fillet dimensions				Accelerated speed (rotating/linear)					
(mm)			KN			rpm			Cylindrical Bore	Taper Bore	mm					mm				Value		Only applicable to oil bearing			
d	D	B	dyc Cr	stc Cor		Speed Ratings	Limiting Speed				d	d <sub>2</sub> ~	D1 ~	b	k	r <sub>1,2</sub> Min	d <sub>s</sub> Min	Da Max	r <sub>s</sub> Max	e	Y1		Y2	Y0	Rotate
40	90	33	150	140	15	6000	8000	1.10	*22308E/VA405	-	40	49.7	74.3	5.5	3	1.5	49	81	1.5	0.37	1.8	2.7	1.8	115g	31g
45	100	36	183	183	19.6	5300	7000	1.40	*22309E/VA405	-	45	56.4	83.4	5.5	3	1.5	54	91	1.5	0.37	1.8	2.7	1.8	97g	29g
50	110	40	220	224	24	4800	6300	1.90	*22310E/VA405	-	50	62.1	91.9	5.5	3	2	61	99	2	0.37	1.8	2.7	1.8	85g	28g
55	120	43	270	280	30	4300	5600	2.45	*22311E/VA405	*22311EK/VA405	55	70.1	102	5.5	3	2	66	109	2	0.35	1.9	2.9	1.8	78g	26g
60	130	46	310	335	36.5	4000	5300	3.10	*22312E/VA405	*22312EK/VA405	60	77.9	110	8.3	4.5	2.1	72	118	2	0.35	1.9	2.9	1.8	70g	25g
65	140	48	340	360	38	3800	5000	3.75	*22313E/VA405	*22313EK/VA405	65	81.6	118	8.3	4.5	2.1	77	128	2	0.35	1.9	2.9	1.8	69g	24g
70	150	51	400	430	45	3400	4500	4.55	*22314E/VA405	*22314EK/VA405	70	90.3	128	8.3	4.5	2.1	82	138	2	0.33	2	3	2	61g	23g
75	160	55	440	475	48	3200	4300	5.55	*22315EJA/VA405	*22315EKJA/VA405	75	92.8	135	8.3	4.5	2.1	87	148	2	0.35	1.9	2.9	1.8	89g	23g
80	170	58	490	540	54	3000	4000	6.60	*22316EJA/VA405	*22316EKJA/VA405	80	98.3	143	8.3	4.5	2.1	92	158	2	0.35	1.9	2.9	1.8	80g	22g
85	180	60	550	620	61	2800	3800	7.65	*22317EJA/VA405	*22317EKJA/VA405	85	108	154	8.3	4.5	3	99	166	2.5	0.33	2	3	2	74g	21g
85	180	60	550	620	61	2800	3800	7.65	*22317EJA/VA406	-	85	108	154	8.3	4.5	3	99	166	2.5	0.33	2	3	2	74g	21g
90	190	64	610	695	67	2600	3600	9.05	*22318EJA/VA405	*22318EKJA/VA405	90	113	161	11.1	6	3	104	176	2.5	0.33	2	3	2	68g	21g
95	200	67	670	765	73.5	2600	3400	10.5	*22319EJA/VA405	*22319EKJA/VA405	95	118	168	11.1	6	3	109	186	2.5	0.33	2	3	2	64g	20g
100	215	73	815	950	88	2400	3000	13.5	*22320EJA/VA405	*22320EKJA/VA405	100	130	184	11.1	6	3	114	201	2.5	0.33	2	3	2	56g	20g
100	215	73	815	950	88	2400	3000	13.5	*22320EJA/VA406	-	100	130	184	11.1	6	3	114	201	2.5	0.33	2	3	2	56g	20g
110	240	80	950	1120	100	2000	2800	18.4	*22322EJA/VA405	*22322EKJA/VA405	110	143	204	13.9	7.5	3	124	226	2.5	0.33	2	3	2	53g	19g
110	240	80	950	1120	100	2000	2800	18.4	*22322EJA/VA406	-	110	143	204	13.9	7.5	3	124	226	2.5	0.33	2	3	2	53g	19g
120	260	86	965	1120	100	2000	2600	23.0	*22324CCJA/W33VA405	*22324CCKJA/W33VA405	120	152	216	13.9	7.5	3	134	246	2.5	0.35	1.9	2.9	1.8	96g	21g
120	260	86	965	1120	100	2000	2600	23.0	*22324CCJA/W33VA406	-	120	152	216	13.9	7.5	3	134	246	2.5	0.35	1.9	2.9	1.8	96g	21g
130	280	93	1120	1320	114	1800	2400	29.0	*22326CCJA/W33VA405	*22326CCKJA/W33VA405	130	164	233	16.7	9	4	147	263	3	0.35	1.9	2.9	1.8	87g	20g
130	280	93	1120	1320	114	1800	2400	29.0	*22326CCJA/W33VA406	-	130	164	233	16.7	9	4	147	263	3	0.35	1.9	2.9	1.8	87g	20g
140	300	102	1290	1560	132	1700	2200	36.5	*22328CCJA/W33VA405	*22328CCKJA/W33VA405	140	175	247	16.7	9	4	157	283	3	0.35	1.9	2.9	1.8	78g	20g
140	300	102	1290	1560	132	1700	2200	36.5	*22328CCJA/W33VA406	-	140	175	247	16.7	9	4	157	283	3	0.35	1.9	2.9	1.8	78g	20g
150	320	108	1460	1760	146	1600	2000	43.5	*22330CCJA/W33VA405	*22330CCKJA/W33VA405	150	188	266	16.7	9	4	167	303	3	0.35	1.9	2.9	1.8	72g	19g
150	320	108	1460	1760	146	1600	2000	43.5	*22330CCJA/W33VA406	-	150	188	266	16.7	9	4	167	303	3	0.35	1.9	2.9	1.8	72g	19g
160	340	114	1600	1960	160	1500	1900	52.0	*22332CCJA/W33VA405	*22332CCKJA/W33VA405	160	200	282	16.7	9	4	177	323	3	0.35	1.9	2.9	1.8	69g	18g
160	340	114	1600	1960	160	1500	1900	52.0	*22332CCJA/W33VA406	-	160	200	282	16.7	9	4	177	323	3	0.35	1.9	2.9	1.8	69g	18g
170	360	120	1760	2160	176	1400	1800	61.0	*22334CCJA/W33VA405	*22334CCKJA/W33VA405	170	213	300	16.7	9	4	187	343	3	0.33	2	3	2	65g	18g
170	360	120	1760	2160	176	1400	1800	61.0	*22334CCJA/W33VA406	-	170	213	300	16.7	9	4	187	343	3	0.33	2	3	2	65g	18g
180	380	126	2000	2450	193	1300	1700	71.5	*22336CCJA/W33VA405	*22336CCKJA/W33VA405	180	224	317	22.3	12	4	197	363	3	0.35	1.9	2.9	1.8	59g	17g
180	380	126	2000	2450	193	1300	1700	71.5	*22336CCJA/W33VA406	-	180	224	317	22.3	12	4	197	363	3	0.35	1.9	2.9	1.8	59g	17g
190	400	132	2120	2650	208	1200	1600	82.5	*22338CCJA/W33VA405	*22338CCKJA/W33VA405	190	236	333	22.3	12	5	210	380	4	0.35	1.9	2.9	1.8	57g	17g
190	400	132	2120	2650	208	1200	1600	82.5	*22338CCJA/W33VA406	-	190	236	333	22.3	12	5	210	380	4	0.35	1.9	2.9	1.8	57g	17g
200	420	138	2320	2900	224	1200	1500	95.0	*22340CCJA/W33VA405	*22340CCKJA/W33VA405	200	248	351	22.3	12	5	220	400	4	0.33	2	3	2	55g	17g
200	420	138	2320	2900	224	1200	1500	95.0	*22340CCJA/W33VA406	-	200	248	351	22.3	12	5	220	400	4	0.33	2	3	2	55g	17g
220	460	145	2700	3450	260	1000	1400	120	*22344CCJA/W33VA405	*22344CCKJA/W33VA405	220	279	389	22.3	12	5	240	440	4	0.31	2.2	3.3	2.2	49g	16g
240	500	155	3100	4000	290	950	1300	155	*22348CCJA/W33VA405	*22348CCKJA/W33VA405	240	303	423	22.3	12	5	260	480	4	0.31	2.2	3.3	2.2	45g	15g