



Single row
Standard and **SKF Explorer**
Series: 30302 – 30334
Size: 15 mm – 170 mm
0.5906 in – 6.6929 in

Series: 31305 – 31310
Size: 25 mm – 50 mm
0.9843 in – 1.9685 in

Designa- tion	Principal dimensions						Basic load ratings				Speed rating		Mass		Calculation factors	
	Bore d		Outside diameter D		Width B		Dynamic C		Static C ₀		Reference speed	Limiting speed	kg	lb		
	mm	in	mm	in	mm	in	N	lbf	N	lbf	r/min	r/min				
30302	15	0.5906	42	1.6535	14.25	0.5610	27 700	6 220	20 000	4 490	15 000	18 000	0.1	0.2	0.28	2.10
30303	17	0.6693	47	1.8504	15.25	0.6004	34 200	7 690	25 000	5 620	13 000	16 000	0.1	0.3	0.28	2.10
30304	20	0.7874	52	2.0472	16.25	0.6398	41 900	9 420	32 500	7 300	12 000	14 000	0.2	0.4	0.30	2.00
30305	25	0.9843	62	2.4409	18.25	0.7185	55 300	12 430	43 000	9 660	9 500	12 000	0.3	0.6	0.30	2.00
30306	30	1.1811	72	2.8346	20.75	0.8169	69 200	15 550	56 000	12 580	8 000	10 000	0.4	0.8	0.31	1.90
30307	35	1.3780	80	3.1496	22.75	0.8957	88 900	19 980	73 500	16 520	7 500	9 000	0.5	1.1	0.31	1.90
30308	40	1.5748	90	3.5433	25.25	0.9941	106 000	23 820	95 000	21 350	6 300	8 000	0.7	1.6	0.35	1.70
30309	45	1.7717	100	3.9370	27.25	1.0728	132 000	29 660	120 000	26 970	5 600	7 000	1.0	2.1	0.35	1.70
30310	50	1.9685	110	4.3307	29.25	1.1516	154 000	34 610	140 000	31 460	5 300	6 300	1.2	2.7	0.35	1.70
30311	55	2.1654	120	4.7244	31.50	1.2402	176 000	39 550	163 000	36 630	4 800	5 600	1.6	3.4	0.35	1.70
30312	60	2.3622	130	5.1181	33.50	1.3189	208 000	46 740	196 000	44 040	4 300	5 300	2.0	4.3	0.35	1.70
30313	65	2.5591	140	5.5118	36.00	1.4173	240 000	53 900	228 000	51 200	4 000	4 800	2.4	5.3	0.35	1.70
30314	70	2.7559	150	5.9055	38.00	1.4961	271 000	60 900	260 000	58 400	3 800	4 500	2.9	6.5	0.35	1.70
30315	75	2.9528	160	6.2992	40.00	1.5748	301 000	67 600	290 000	65 200	3 400	4 300	3.5	7.7	0.35	1.70
30316	80	3.1496	170	6.6929	42.50	1.6732	333 000	74 800	320 000	71 900	3 200	4 000	4.1	9.1	0.35	1.70
30317	85	3.3465	180	7.0866	44.50	1.7520	372 000	83 600	365 000	82 000	3 000	3 800	4.8	10.7	0.35	1.70
30318	90	3.5433	190	7.4803	46.50	1.8307	353 000	79 300	400 000	89 900	2 600	3 600	5.6	12.4	0.35	1.70
30319	95	3.7402	200	7.8740	49.50	1.9488	353 000	79 300	390 000	87 600	2 600	3 400	6.5	14.2	0.35	1.70
30320	100	3.9370	215	8.4646	51.50	2.0276	431 000	96 900	490 000	110 100	2 400	3 200	8.0	17.5	0.35	1.70
30321	105	4.1339	225	8.8583	53.50	2.1063	462 000	103 800	530 000	119 100	2 200	3 000	9.1	20.0	0.35	1.70
30322	110	4.3307	240	9.4488	54.50	2.1457	507 000	113 900	585 000	131 500	2 200	2 800	10.8	23.8	0.35	1.70
30324	120	4.7244	260	10.2362	59.50	2.3425	601 000	135 100	710 000	159 600	2 000	2 600	13.7	30.2	0.35	1.70
30326	130	5.1181	280	11.0236	63.75	2.5098	679 000	152 600	800 000	179 800	1 800	2 400	16.8	37.1	0.35	1.70
30328	140	5.5118	300	11.8110	67.75	2.6673	787 000	176 900	950 000	213 500	1 700	2 200	20.7	45.6	0.35	1.70
30330	150	5.9055	320	12.5984	72.00	2.8346	879 000	197 500	1 060 000	238 200	1 600	2 000	24.8	54.6	0.35	1.70
30332	160	6.2992	340	13.3858	75.00	2.9528	970 000	218 000	1 180 000	265 200	1 500	2 000	28.9	63.7	0.35	1.70
30334	170	6.6929	360	14.1732	80.00	3.1496	1 103 000	247 900	1 340 000	301 100	1 400	1 800	34.7	76.6	0.35	1.70
31305	25	0.9843	62	2.4409	18.25	0.7185	46 600	10 470	40 000	8 990	8 500	11 000	0.3	0.6	0.83	0.72
31306	30	1.1811	72	2.8346	20.75	0.8169	58 300	13 100	50 000	11 240	7 500	9 500	0.4	0.9	0.83	0.72
31307	35	1.3780	80	3.1496	22.75	0.8957	75 400	16 940	67 000	15 060	6 300	8 500	0.5	1.1	0.83	0.72
31308	40	1.5748	90	3.5433	25.25	0.9941	91 100	20 470	81 500	18 310	5 600	7 500	0.7	1.6	0.83	0.72
31309	45	1.7717	100	3.9370	27.25	1.0728	113 000	25 390	102 000	22 920	5 000	6 700	1.0	2.1	0.83	0.72
31310	50	1.9685	110	4.3307	29.25	1.1516	131 000	29 440	120 000	26 970	4 500	6 000	1.2	2.7	0.83	0.72

Consult SKF USA Inc. prior to design change or order placement.