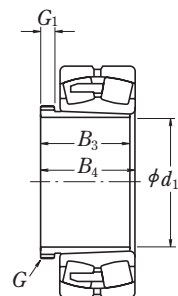


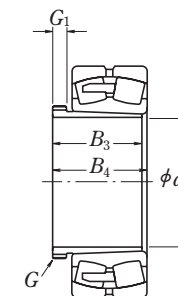
■ WITHDRAWAL SLEEVES FOR ROLLING BEARINGS

Shaft Diameter 145 – 180 mm



Shaft Diameter (mm) d_1	Nominal Bore Dia. (mm) d	Designation Applicable Bearings	Screw Threads G	Dimensions (mm)			Mass (kg) approx.
				B_3	G_1	B_4	
145	150	23030CDKE4 + AHX 3030	M 160 × 3	72	15	77	1.15
	150	24030CK30E4 + AH 24030	M 155 × 3	90	15	101	1.11
	150	23130CKE4 + AHX 3130	M 165 × 3	96	15	101	1.79
	150	22230CDKE4 + AHX 3130	M 165 × 3	96	15	101	1.79
	150	24130CK30E4 + AH 24130	M 160 × 3	115	15	126	1.63
	150	23230CKE4 + AHX 3230	M 165 × 3	114	17	119	2.22
	150	22330CAKE4 + AHX 2330	M 165 × 3	135	24	140	2.82
150	160	23032CDKE4 + AH 3032	M 170 × 3	77	16	82	2.05
	160	24032CK30E4 + AH 24032	M 170 × 3	95	15	106	2.28
	160	23132CKE4 + AH 3132	M 180 × 3	103	16	108	3.2
	160	22232CDKE4 + AH 3132	M 180 × 3	103	16	108	3.2
	160	24132CK30E4 + AH 24132	M 170 × 3	124	15	135	3.03
	160	23232CKE4 + AH 3232	M 180 × 3	124	20	130	4.1
	160	22332CAKE4 + AH 2332	M 180 × 3	140	24	146	4.7
160	170	23034CDKE4 + AH 3034	M 180 × 3	85	17	90	2.45
	170	24034CK30E4 + AH 24034	M 180 × 3	106	16	117	2.74
	170	23134CKE4 + AH 3134	M 190 × 3	104	16	109	3.4
	170	22234CDKE4 + AH 3134	M 190 × 3	104	16	109	3.4
	170	24134CK30E4 + AH 24134	M 180 × 3	125	16	136	3.26
	170	23234CKE4 + AH 3234	M 190 × 3	134	24	140	4.8
	170	22334CAKE4 + AH 2334	M 190 × 3	146	24	152	5.25
170	180	23036CDKE4 + AH 3036	M 190 × 3	92	17	98	2.8
	180	24036CK30E4 + AH 24036	M 190 × 3	116	16	127	3.19
	180	23136CKE4 + AH 3136	M 200 × 3	116	19	122	4.2
	180	24136CK30E4 + AH 24136	M 190 × 3	134	16	145	3.74
	180	22236CDKE4 + AH 2236	M 200 × 3	105	17	110	3.75
	180	23236CKE4 + AH 3236	M 200 × 3	140	24	146	5.3
	180	22336CAKE4 + AH 2336	M 200 × 3	154	26	160	5.85
180	190	23038CAKE4 + AH 3038	Tr 205 × 4	96	18	102	3.35
	190	24038CK30E4 + AH 24038	M 200 × 3	118	18	131	3.47
	190	23138CKE4 + AH 3138	Tr 210 × 4	125	20	131	4.9
	190	24138CK30E4 + AH 24138	M 200 × 3	146	18	159	4.38
	190	22238CAKE4 + AH 2238	Tr 210 × 4	112	18	117	4.25
	190	23238CKE4 + AH 3238	Tr 210 × 4	145	25	152	5.9
	190	22338CAKE4 + AH 2338	Tr 210 × 4	160	26	167	6.65

Shaft Diameter 190 – 260 mm



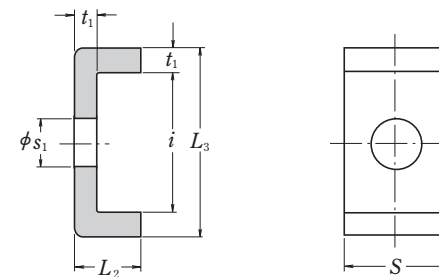
Shaft Diameter (mm) d_1	Nominal Bore Dia. (mm) d	Designation Applicable Bearings	Screw Threads G	Dimensions (mm)			Mass (kg) approx.
				B_3	G_1	B_4	
190	200	23040CAKE4 + AH 3040	Tr 215 × 4	102	19	108	3.8
	200	24040CK30E4 + AH 24040	Tr 210 × 4	127	18	140	3.92
	200	23140CKE4 + AH 3140	Tr 220 × 4	134	21	140	5.5
	200	24140CK30E4 + AH 24140	Tr 210 × 4	158	18	171	5.0
	200	22240CAKE4 + AH 2240	Tr 220 × 4	118	19	123	4.7
	200	23240CKE4 + AH 3240	Tr 220 × 4	153	25	160	6.7
	200	22340CAKE4 + AH 2340	Tr 220 × 4	170	30	177	7.55
200	220	23044CAKE4 + AH 3044	Tr 235 × 4	111	20	117	7.4
	220	24044CK30E4 + AH 24044	Tr 230 × 4	138	20	152	8.23
	220	23144CKE4 + AH 3144	Tr 240 × 4	145	23	151	10.5
	220	24144CK30E4 + AH 24144	Tr 230 × 4	170	20	184	10.3
	220	22244CAKE4 + AH 2244	Tr 240 × 4	130	20	136	9.1
	220	23244CKE4 + AH 3244	Tr 240 × 4	181	30	189	13.5
	220	22344CAKE4 + AH 2344	Tr 240 × 4	181	30	189	13.5
220	240	23048CAKE4 + AH 3048	Tr 260 × 4	116	21	123	8.75
	240	24048CK30E4 + AH 24048	Tr 250 × 4	138	20	153	9.0
	240	23148CKE4 + AH 3148	Tr 260 × 4	154	25	161	12
	240	24148CK30E4 + AH 24148	Tr 260 × 4	180	20	195	12.6
	240	22248CAKE4 + AH 2248	Tr 260 × 4	144	21	150	11
	240	23248CAKE4 + AH 3248	Tr 260 × 4	189	30	197	15.5
	240	22348CAKE4 + AH 2348	Tr 260 × 4	189	30	197	15.5
240	260	23052CAKE4 + AH 3052	Tr 280 × 4	128	23	135	10.5
	260	24052CAK30E4 + AH 24052	Tr 270 × 4	162	22	178	11.7
	260	23152CAKE4 + AH 3152	Tr 290 × 4	172	26	179	16
	260	24152CAK30E4 + AH 24152	Tr 280 × 4	202	22	218	15.5
	260	22252CAKE4 + AH 2252	Tr 290 × 4	155	23	161	14
	260	23252CAKE4 + AH 3252	Tr 290 × 4	205	30	213	19.5
	260	22352CAKE4 + AH 2352	Tr 290 × 4	205	30	213	19.5
260	280	23056CAKE4 + AH 3056	Tr 300 × 4	131	24	139	12
	280	24056CAK30E4 + AH 24056	Tr 290 × 4	162	22	179	12.6
	280	23156CAKE4 + AH 3156	Tr 310 × 5	175	28	183	17.5
	280	24156CAK30E4 + AH 24156	Tr 300 × 4	202	22	219	16.8
	280	22256CAKE4 + AH 2256	Tr 310 × 5	155	24	163	15
	280	23256CAKE4 + AH 3256	Tr 310 × 5	212	30	220	21.5
	280	22356CAKE4 + AH 2356	Tr 310 × 5	212	30	220	21.5

NUTS FOR ROLLING BEARINGS

(Combination of Withdrawal Sleeves and Nuts)

Designation	Reference						
	Withdrawal Sleeve Designations						
	AH 30	AH 31	AH 2	AH 22	AH 32	AH 3	AH 23
AN 09	—	—	AH 208	—	—	AH 308	AH 2308
AN 10	—	—	AH 209	—	—	AH 309	AH 2309
AN 11	—	—	AH 210	—	—	AHX 310	AHX 2310
AN 12	—	—	AH 211	—	—	AHX 311	AHX 2311
AN 13	—	—	AH 212	—	—	AHX 312	AHX 2312
AN 14	—	—	—	—	—	—	—
AN 15	—	—	AH 213	—	—	AH 313	AH 2313
AN 16	—	—	AH 214	—	—	AH 314	AHX 2314
AN 17	—	—	AH 215	—	—	AH 315	AHX 2315
AN 18	—	—	AH 216	—	—	AH 316	AHX 2316
AN 19	—	—	AH 217	—	—	AHX 317	AHX 2317
AN 20	—	—	AH 218	—	AHX 3218	AHX 318	AHX 2318
AN 21	—	—	AH 219	—	—	AHX 319	AHX 2319
AN 22	—	—	AH 220	—	AHX 3220	AHX 320	AHX 2320
AN 23	—	—	AH 221	—	—	AHX 321	—
AN 24	—	AHX 3122	AH 222	—	—	AHX 322	—
AN 25	—	—	—	—	AHX 3222	—	AHX 2322
AN 26	AHX 3024	AHX 3124	AH 224	—	—	AHX 324	—
AN 27	—	—	—	—	AHX 3224	—	AHX 2324
AN 28	AHX 3026	AHX 3126	AH 226	—	—	AHX 326	—
AN 29	—	—	—	—	AHX 3226	—	AHX 2326
AN 30	AHX 3028	AHX 3128	AH 228	—	—	AHX 328	—
AN 31	—	—	—	—	AHX 3228	—	AHX 2328
AN 32	AHX 3030	—	AH 230	—	—	—	—
AN 33	—	AHX 3130	—	—	AHX 3230	AHX 330	AHX 2330
AN 34	AH 3032	—	AH 232	—	—	—	—
AN 36	AH 3034	AH 3132	AH 234	—	AH 3232	AH 332	AH 2332
AN 38	AH 3036	AH 3134	AH 236	—	AH 3234	AH 334	AH 2334
AN 40	—	AH 3136	—	AH 2236	AH 3236	—	AH 2336

STOPPERS FOR ROLLING BEARINGS



Units : mm

Designation	Stopper Series AL							Reference	
	Basic Dimensions						Mass (kg) per 100 pcs approx.	Nut Designations	
	t_1	S	L_2	s_1	i	L_3			
AL 44 AL 52 AL 60	4	20	12	9	22.5	30.5	2.6	AN 44, AN 48 AN 52, AN 56 AN 60	
	4	24	12	12	25.5	33.5	3.4		
	4	24	12	12	30.5	38.5	3.8		
AL 64 AL 68 AL 76	5	24	15	12	31	41	5.35	AN 64 AN 68, AN 72 AN 76	
	5	28	15	14	38	48	6.65		
	5	32	15	14	40	50	7.95		
AL 80 AL 88 AL 96 AL 100	5	32	15	18	45	55	8.2	AN 80, AN 84 AN 88, AN 92 AN 96 AN 100	
	5	36	15	18	43	53	9.0		
	5	36	15	18	53	63	10.4		
	5	40	15	18	45	55	10.5		
Stopper Series ALL									
ALL 44 ALL 48 ALL 56	4	20	12	7	13.5	21.5	2.12	ANL 44 ANL 48, ANL 52 ANL 56	
	4	20	12	9	17.5	25.5	2.29		
	4	24	12	9	17.5	25.5	2.92		
ALL 60 ALL 64 ALL 72	4	24	12	9	20.5	28.5	3.15	ANL 60 ANL 64, ANL 68 ANL 72	
	5	24	15	9	21	31	4.55		
	5	28	15	9	20	30	5.05		
ALL 76 ALL 84 ALL 88 ALL 96	5	28	15	12	24	34	5.3	ANL 76, ANL 80 ANL 84 ANL 88, ANL 92 ANL 96, ANL 100	
	5	32	15	12	24	34	6.1		
	5	32	15	14	28	38	6.45		
	5	36	15	14	28	38	7.3		