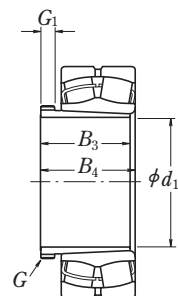


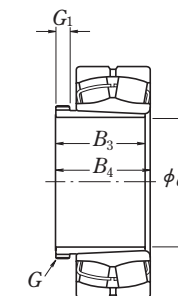
■ **WITHDRAWAL SLEEVES FOR ROLLING BEARINGS**

Shaft Diameter 35 – 85 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	
35	40	21308EAKE4 + AH 308	M 45 × 1.5	29	6	32	0.09
	40	22308EAKE4 + AH 2308	M 45 × 1.5	40	7	43	0.13
40	45	21309EAKE4 + AH 309	M 50 × 1.5	31	6	34	0.11
	45	22309EAKE4 + AH 2309	M 50 × 1.5	44	7	47	0.165
45	50	21310EAKE4 + AHX 310	M 55 × 2	35	7	38	0.16
	50	22310EAKE4 + AHX 2310	M 55 × 2	50	9	53	0.235
50	55	22211EAKE4 + AHX 311	M 60 × 2	37	7	40	0.19
	55	21311EAKE4 + AHX 311	M 60 × 2	37	7	40	0.19
	55	22311EAKE4 + AHX 2311	M 60 × 2	54	10	57	0.285
55	60	22212EAKE4 + AHX 312	M 65 × 2	40	8	43	0.215
	60	21312EAKE4 + AHX 312	M 65 × 2	40	8	43	0.215
	60	22312EAKE4 + AHX 2312	M 65 × 2	58	11	61	0.34
60	65	22213EAKE4 + AH 313	M 75 × 2	42	8	45	0.255
	65	21313EAKE4 + AH 313	M 75 × 2	42	8	45	0.255
	65	22313EAKE4 + AH 2313	M 75 × 2	61	12	64	0.395
65	70	22214EAKE4 + AH 314	M 80 × 2	43	8	47	0.28
	70	21314EAKE4 + AH 314	M 80 × 2	43	8	47	0.28
	70	22314EAKE4 + AHX 2314	M 80 × 2	64	12	68	0.53
70	75	22215EAKE4 + AH 315	M 85 × 2	45	8	49	0.315
	75	21315EAKE4 + AH 315	M 85 × 2	45	8	49	0.315
	75	22315EAKE4 + AHX 2315	M 85 × 2	68	12	72	0.605
75	80	22216EAKE4 + AH 316	M 90 × 2	48	8	52	0.365
	80	21316EAKE4 + AH 316	M 90 × 2	48	8	52	0.365
	80	22316EAKE4 + AHX 2316	M 90 × 2	71	12	75	0.665
80	85	22217EAKE4 + AHX 317	M 95 × 2	52	9	56	0.48
	85	21317EAKE4 + AHX 317	M 95 × 2	52	9	56	0.48
	85	22317EAKE4 + AHX 2317	M 95 × 2	74	13	78	0.745
85	90	22218EAKE4 + AHX 318	M 100 × 2	53	9	57	0.52
	90	21318EAKE4 + AHX 318	M 100 × 2	53	9	57	0.52
	90	23218CKE4 + AHX 3218	M 100 × 2	63	10	67	0.58
	90	22318EAKE4 + AHX 2318	M 100 × 2	79	14	83	0.845

Shaft Diameter 90 – 135 mm



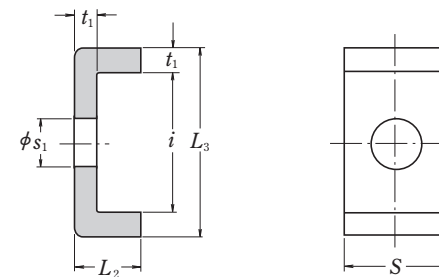
Shaft Diameter (mm) d_1	Nominal Bore Dia. (mm) d	Designation Applicable Bearings	Screw Threads G	Dimensions (mm)			Mass (kg) approx.
				B_3	G_1	B_4	
90	95	22219EAKE4 + AHX 319	M 105 × 2	57	10	61	0.595
	95	21319CKE4 + AHX 319	M 105 × 2	57	10	61	0.595
	95	22319EAKE4 + AHX 2319	M 105 × 2	85	16	89	0.89
95	100	21320CKE4 + AHX 3120	M 110 × 2	64	11	68	0.70
	100	22220EAKE4 + AHX 320	M 110 × 2	59	10	63	0.66
	100	21320CKE4 + AHX 320	M 110 × 2	59	10	63	0.66
	100	23220CKE4 + AHX 3220	M 110 × 2	73	11	77	0.77
	100	22320EAKE4 + AHX 2320	M 110 × 2	90	16	94	1.0
105	110	23122CKE4 + AHX 3122	M 120 × 2	68	11	72	0.76
	110	22222EAKE4 + AHX 3122	M 120 × 2	68	11	72	0.76
	110	24122CK30E4 + AH 24122	M 115 × 2	82	13	91	0.73
	110	23222CKE4 + AHX 3222	M 125 × 2	82	11	86	1.04
115	120	23222EAKE4 + AHX 2322	M 125 × 2	98	16	102	1.35
	120	23024CDKE4 + AHX 3024	M 130 × 2	60	13	64	0.75
	120	24024CK30E4 + AH 24024	M 125 × 2	73	13	82	0.70
	120	23124CKE4 + AHX 3124	M 130 × 2	75	12	79	0.95
125	120	22224EAKE4 + AHX 3124	M 130 × 2	75	12	79	0.95
	120	24124CK30E4 + AH 24124	M 130 × 2	93	13	102	1.02
	120	23224CKE4 + AHX 3224	M 135 × 2	90	13	94	1.3
	120	22324EAKE4 + AHX 2324	M 135 × 2	105	17	109	1.6
	130	23026CDKE4 + AHX 3026	M 140 × 2	67	14	71	0.95
135	130	24026CK30E4 + AH 24026	M 135 × 2	83	14	93	0.89
	130	23126CKE4 + AHX 3126	M 140 × 2	78	12	82	1.08
	130	22226EAKE4 + AHX 3126	M 140 × 2	78	12	82	1.08
	130	24126CK30E4 + AH 24126	M 140 × 2	94	14	104	1.14
	130	23226CKE4 + AHX 3226	M 145 × 2	98	15	102	1.58
140	130	22326CKE4 + AHX 2326	M 145 × 2	115	19	119	1.97
	140	23028CDKE4 + AHX 3028	M 150 × 2	68	14	73	1.01
	140	24028CK30E4 + AH 24028	M 145 × 2	83	14	93	0.96
	140	23128CKE4 + AHX 3128	M 150 × 2	83	14	88	1.28
	140	22228CDKE4 + AHX 3128	M 150 × 2	83	14	88	1.28
	140	24128CK30E4 + AH 24128	M 150 × 2	99	14	109	1.3
	140	23228CKE4 + AHX 3228	M 155 × 3	104	15	109	1.84
	140	22328CKE4 + AHX 2328	M 155 × 3	125	20	130	2.33

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	4	20	12	9	22.5	30.5	2.6	AN 44, AN 48 AN 52, AN 56 AN 60
AL 52	4	24	12	12	25.5	33.5	3.4	
AL 60	4	24	12	12	30.5	38.5	3.8	
AL 64	5	24	15	12	31	41	5.35	AN 64 AN 68, AN 72 AN 76
AL 68	5	28	15	14	38	48	6.65	
AL 76	5	32	15	14	40	50	7.95	
AL 80	5	32	15	18	45	55	8.2	AN 80, AN 84 AN 88, AN 92 AN 96 AN 100
AL 88	5	36	15	18	43	53	9.0	
AL 96	5	36	15	18	53	63	10.4	
AL 100	5	40	15	18	45	55	10.5	

Stopper Series ALL								
ALL 44	4	20	12	7	13.5	21.5	2.12	ANL 44 ANL 48, ANL 52 ANL 56
ALL 48	4	20	12	9	17.5	25.5	2.29	
ALL 56	4	24	12	9	17.5	25.5	2.92	
ALL 60	4	24	12	9	20.5	28.5	3.15	ANL 60 ANL 64, ANL 68 ANL 72
ALL 64	5	24	15	9	21	31	4.55	
ALL 72	5	28	15	9	20	30	5.05	
ALL 76	5	28	15	12	24	34	5.3	ANL 76, ANL 80 ANL 84 ANL 88, ANL 92 ANL 96, ANL 100
ALL 84	5	32	15	12	24	34	6.1	
ALL 88	5	32	15	14	28	38	6.45	
ALL 96	5	36	15	14	28	38	7.3	