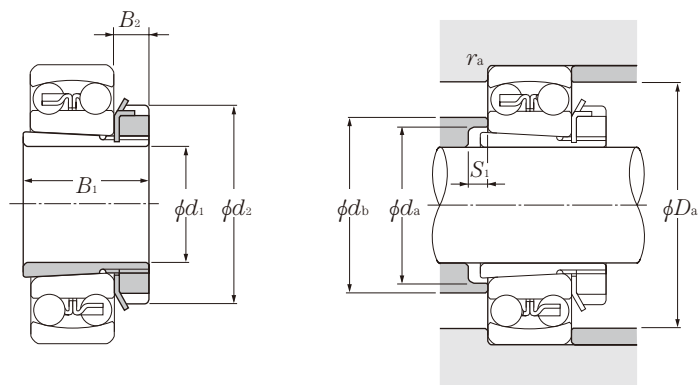


(for self-aligning ball bearings)



d 17 ~ 50mm

Boundary dimensions mm				Bearing numbers	Abutment and fillet dimensions mm					Mass ¹⁾ kg (approx.)
d ₁	B ₁	d ₂	B ₂		d _a min	d _b max	S ₁ min	D _a max	r _{as} max	
17	24	32	7	1204SK;H 204	23	27	5	41	1	0.041
	28	32	7	2204SK;H 304	24	28	5	41	1	0.045
	28	32	7	1304SK;H 304	24	31	8	45	1	0.045
	31	32	7	2304SK;H2304	24	28	5	45	1	0.049
20	26	38	8	1205SK;H 205X	28	33	5	46	1	0.07
	29	38	8	2205SK;H 305X	29	33	5	46	1	0.075
	29	38	8	1305SK;H 305X	29	37	6	55	1	0.075
	35	38	8	2305SK;H2305X	29	34	5	55	1	0.087
25	27	45	8	1206SK;H 206X	33	39	5	56	1	0.099
	31	45	8	2206SK;H 306X	34	39	5	56	1	0.109
	31	45	8	1306SK;H 306X	34	44	6	65	1	0.109
	38	45	8	2306SK;H2306X	35	40	5	65	1	0.126
30	29	52	9	1207SK;H 207X	38	46	5	65	1	0.125
	35	52	9	2207SK;H 307X	39	45	5	65	1	0.142
	35	52	9	1307SK;H 307X	39	50	7	71.5	1.5	0.142
	43	52	9	2307SK;H2307X	40	46	5	71.5	1.5	0.165
35	31	58	10	1208SK;H 208X	44	52	5	73	1	0.174
	36	58	10	2208SK;H 308X	44	50	5	73	1	0.189
	36	58	10	1308SK;H 308X	44	56	5	81.5	1.5	0.189
	46	58	10	2308SK;H2308X	45	52	5	81.5	1.5	0.224
40	33	65	11	1209SK;H 209X	49	57	5	78	1	0.227
	39	65	11	2209SK;H 309X	49	57	8	78	1	0.248
	39	65	11	1309SK;H 309X	49	61	5	91.5	1.5	0.248
	50	65	11	2309SK;H2309X	50	58	5	91.5	1.5	0.28
45	35	70	12	1210SK;H 210X	53	62	5	83	1	0.274
	42	70	12	2210SK;H 310X	54	63	10	83	1	0.303
	42	70	12	1310SK;H 310X	54	67	5	100	2	0.303
	55	70	12	2310SK;H2310X	56	65	5	100	2	0.362
50	37	75	12	1211SK;H 211X	60	70	6	91.5	1.5	0.308

1) Refers to adapter mass.

Note: 1. For bearing dimensions, basic rated loads, and mass, refer to pages B-82 to B-84.

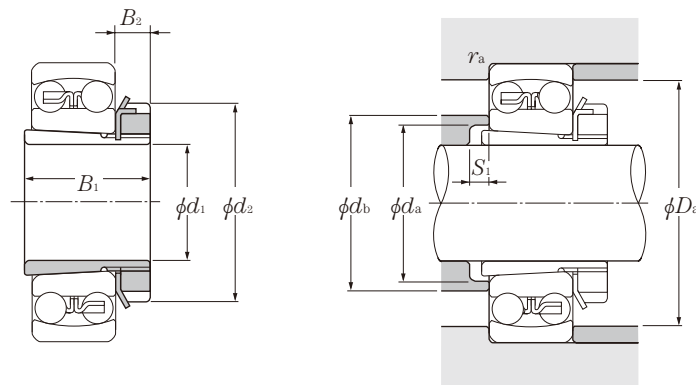
2. Adapters for series 12 bearings can also be used with H2 and H3 series bearings.

Caution: the B₁ dimension of H3 series bearings is longer than that of H2 series bearings.

3. Adapter numbers which are appended with the code "X" indicate narrow slit type adapters which use washer with straight inner tabs.

4. For adapter locknut and washer dimensions, please refer to pages C-2 to C-7, and C-12 to C-14.

(for self-aligning ball bearings)



d 50 ~ 85mm

Boundary dimensions mm				Bearing numbers	Abutment and fillet dimensions mm					Mass ¹⁾ kg (approx.)
d ₁	B ₁	d ₂	B ₂		d _a min	d _b max	S ₁ min	D _a max	r _{as} max	
50	45	75	12	2211SK;H 311X	60	69	11	91.5	1.5	0.345
	45	75	12	1311SK;H 311X	60	73	6	110	2	0.345
	59	75	12	2311SK;H2311X	61	71	6	110	2	0.42
55	38	80	13	1212SK;H 212X	64	76	5	101.5	1.5	0.346
	47	80	13	2212SK;H 312X	65	75	9	101.5	1.5	0.394
	47	80	13	1312SK;H 312X	65	79	5	118	2	0.394
	62	80	13	2312SK;H2312X	66	77	5	118	2	0.481
60	40	85	14	1213SK;H 213X	70	83	5	111.5	1.5	0.401
	50	85	14	2213SK;H 313X	70	81	8	111.5	1.5	0.458
	50	85	14	1313SK;H313X	70	85	5	128	2	0.458
	65	85	14	2313SK;H2313X	72	84	5	128	2	0.557
65	43	98	15	1215SK;H 215X	80	93	5	121.5	1.5	0.707
	55	98	15	2215SK;H 315X	80	93	12	121.5	1.5	0.831
	55	98	15	1315SK;H 315X	80	97	5	148	2	0.831
	73	98	15	2315SK;H2315X	82	96	5	148	2	1.05
70	46	105	17	1216SK;H 216X	85	100	5	130	2	0.882
	59	105	17	2216SK;H 316X	86	98	12	130	2	1.03
	59	105	17	1316SK;H 316X	86	103	5	158	2	1.03
	78	105	17	2316SK;H2316X	87	103	5	158	2	1.28
75	50	110	18	1217SK;H 217X	90	106	6	140	2	1.02
	63	110	18	2217SK;H 317X	91	104	12	140	2	1.18
	63	110	18	1317SK;H 317X	91	110	6	166	2.5	1.18
	82	110	18	2317SK;H2317X	94	110	6	166	2.5	1.45
80	52	120	18	1218SK;H 218X	95	111	6	150	2	1.19
	65	120	18	2218SK;H 318X	96	112	10	150	2	1.37
	65	120	18	1318SK;H 318X	96	116	6	176	2.5	1.37
	86	120	18	2318SK;H2318X	99	117	6	176	2.5	1.69
85	55	125	19	1219SK;H 219X	101	118	7	158	2	1.37
	68	125	19	2219SK;H 319X	102	117	9	158	2	1.56

1) Refers to adapter mass.

Note: 1. For bearing dimensions, basic rated loads, and mass, refer to pages B-82 to B-84.

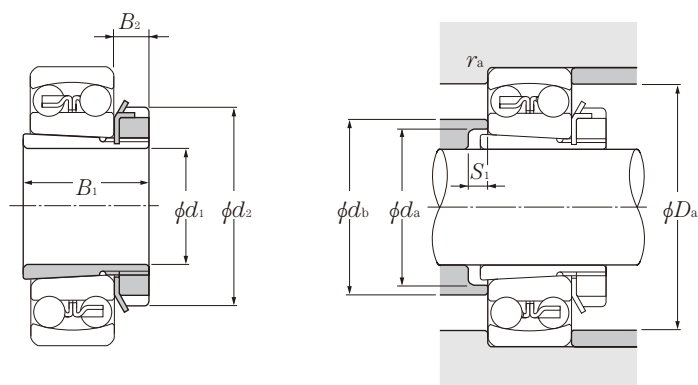
2. Adapters for series 12 bearings can also be used with H2 and H3 series bearings.

Caution: the B₁ dimension of H3 series bearings is longer than that of H2 series bearings.

3. Adapter numbers which are appended with the code "X" indicate narrow slit type adapters which use washer with straight inner tabs.

4. For adapter locknut and washer dimensions, please refer to pages C-2 to C-7, and C-12 to C-14.

(for self-aligning ball bearings)



d 85 ~ 100mm

Boundary dimensions mm				Bearing numbers	Abutment and fillet dimensions mm					Mass ¹⁾ kg (approx.)
d_1	B_1	d_2	B_2		d_a min	d_b max	S_1 min	D_a max	r_{as} max	
85	68	125	19	1319SK;H 319X	102	123	7	186	2.5	1.56
	90	125	19	2319SK;H2319X	105	123	7	186	2.5	1.92
90	58	130	20	1220SK;H 220X	106	125	7	168	2	1.49
	71	130	20	2220SK;H 320X	107	123	8	168	2	1.69
	71	130	20	1320SK;H 320X	107	130	7	201	2.5	1.69
	97	130	20	2320SK;H2320X	110	129	7	201	2.5	2.15
100	63	145	21	1222SK;H 222X	116	138	7	188	2	1.93
	77	145	21	2222SK;H 322X	117	137	6	188	2	2.18
	77	145	21	1322SK;H 322X	117	150	9	226	2.5	2.18
	105	145	21	2322SK;H2322X	121	142	7	226	2.5	2.74

1) Refers to adapter mass.

Note: 1. For bearing dimensions, basic rated loads, and mass, refer to pages B-82 to B-84.

2. Adapters for series 12 bearings can also be used with H2 and H3 series bearings.

Caution: the B_1 dimension of H3 series bearings is longer than that of H2 series bearings.

3. Adapter numbers which are appended with the code "X" indicate narrow slit type adapters which use washer with straight inner tabs.

4. For adapter locknut and washer dimensions, please refer to pages C-2 to C-7, and C-12 to C-14.

