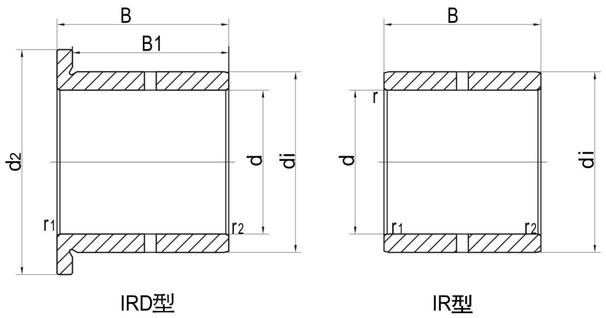
滚针轴承内圈
Inner ring of needle roller bearing

图示 Illustration



IRD型　　IR型

产品介绍：

如果轴的内圈不能直接作为滚道使用，则可以用经济的内圈，内圈可以与向心滚针和保持架组件，和冲压外圈轴承配合使用，内圈与滚针轴承配合时，一般为普通组径向游隙，也可以根据需要，提供其它组别游隙的内圈；内圈可带或不带油孔，均可根据需要制作。

Product introduction：

If the inner ring of shaft cannot be used as raceway directly, economical inner rings can be used instead. Inner rings can be used with radial needle and cage assemblies and drawn cups together. When used with needle roller bearings, usually general radial internal clearance adopted, but also inner rings of other clearance group can be offered if required. Inner rings with or without oil holes depend on customer requests.

轴 Shaft	基本尺寸(mm) Basic dimension							产品代号 Product designation	重量 Weight
	d	di	d1	B	B1	r1 min	r2		W≈g
16	16	22	32	21.5	18.5	1.5	0.5	IRD 162221.5	38
18	18	24	-	21.5	-	0.5	1.5	IR 182421.5	32
	18	25	-	21.5	-	0.5	0.5	IR 182521.5	36
	18	25	-	24	-	1	1	IR 182524	3
	18	25	30	24	19	1	1	IRD 182524	51
19	19	25	-	39	-	0.5	0.5	IR 192539	61
20	20	25	-	24	-	1	1	IR 202524	32
	20	25	-	25	-	0.5	0.5	IR 202525	33
	20	27	-	28.1	-	0.5	0.5	IR 202728.1	55
	20	30.134	35	23	19.5	1	0.6	IR 203023	76
21	21.8	28	40	27	24	0.3	0.3	IRD 21.82827	63
22	22	27	-	30	-	0.5	0.5	IR 222730	44
	22	28	-	24	-	0.5	0.5	IR 222824	43
	22	28	40	27	24	0.5	0.5	IRD 222827	62
	22	30	40	27	24	0.3	0.3	IR 223027	80
24	24.25	30	54	17.1	10.03	0.5	1	IRD 24.33017.1	117
	24.25	30	54	19	10	0.5	1	IRD 24.33019	144
25	25	30	40	27	24	0.5	0.5	IRD 253027	56
	25	31.5	-	16	-	0.5	0.5	IRD 2531.516	32
	25	32	-	31	-	0.2	0.2	IR 253231	73
	25	40	-	15	-	0.3	0.3	IR 254015	88
	25	40	-	21	-	0.3	0.3	IR 254021	123
	25.5	32	-	27.5	-	0.5	0.5	IR 25.53227.5	60

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轴 Shaft	基本尺寸(mm) Basic dimension							产品代号 Product designation	重量 Weight
	d	di	d1	B	B1	r1 min	r2		W≈g
26	26	35	–	17	–	0.5	0.5	IR 263517	55
	26.5	33.1	50	31.07	27	1	0.3	IRD 26.533.131.1	107
27	27.1	40.6	51	17.5	12.95	0.5	0.5	IRD 27.140.917.5/YA	123
28	28	32	-	28	-	0.5	0.5	IR 283228	40
	28	33	36.5	26.5	22	1	0.3	IRD 283326.5	55
	28	33	45	32.54	25	0.5	0.3	IRD 283332.5	95
	28	34.4	-	20.1	-	0.5	2	IR 2834.420.1	48
	28	34.4	-	24.1	-	0.5	2	IR 2834.424.1	57
29	29	34	-	18.1	-	0.5	0.5	IR 293418.1	34
	29	35	-	23.5	-	1.5	0.8	IR 293523.5	54
	29	35	-	24.2	-	0.5	0.5	IR 293524.2	55
	29.1	34	-	24	-	1	1	IR 29.13424	44
30	30	34	-	36.7	-	0.5	0.5	IR 303436.7	55
	30	34	-	36.75	-	1	1	IR 303437	56
	30	35	-	24	-	0.5	0.5	IR 303524	46
	30	35	-	27.15	-	0.5	0.5	IR 303527	53
	30	35	48	38.17	32.17	0.5	0.5	IRD 303538.2	118.5
	30	37	52	31.5	27	1	1	IRD 303731.5	126.6
	30	38	47	40.25	34	2.2	0.7	IRD 303840.3	160
	30	43	59	28	24	0.5	1	IRD 304328-1	200
	30	43.3	-	32.5	-	2	3	IR 304332.5	193
	30.2	39	-	43	-	0.5	0.5	IR 30.23943	159
	30.4	39	-	42	-	0.5	0.5	IR 30.43942	152
	30.5	37	-	24	-	1.5	1.5	IR 30.53724	62
	30.6	35	-	25.8	-	0.3	0.3	IR 30.63525.8	45
31	31	42	55	27.1	24.1	0.5	2	IRD 314227.1	153
	31	42	55	29.1	24.1	0.5	2	IRD 314229.1	180
	31.5	50	-	60.27	-	0.5	0.8	IR 31.55060.27	552
32	32	37	41.5	29.04	27	1	0.3	IRD 323729	65
	32	38	-	27	-	1.5	1.5	IR 323827	68
	32	38	56	30.3	25.1	1	0.5	IRD 32830.3	129
	32	38	54	38	33	0.5	1	IRD 323838	139
	32	40	54	27	23	0.5	1	IRD 324027	127
	32	40	-	30.65	-	0.3	0.3	IR 324031	107
33	33	38	42.5	29.04	27	1	0.3	IRD 333829	66
	33	38	-	31.5	-	1	1	IR 333831.5	67
	33.4	40	-	21	-	1.5	1.5	IR 33.44021	61
34.8	34.84	42	-	31	-	1.5	1.5	IR 34.84231	103
35	35	40	44.5	29.04	27	1	0.3	IRD 354029	71
	35	42	-	24.1	-	0.3	2.5	IR 354224.1	78
	35	42	55	27.5	24	2	0.5	IRD 354227.5	117
	35	42	55	29.6	26.1	2	0.5	IRD 354229.6	124
	35	43	-	23.2	-	0.5	0.5	IR 354323	87
	35	43	-	30.1	-	0.5	0.5	IR 354330	114
	35	45	-	28	-	1	1	IR 354528	136
	35	48	-	30	-	2	2	IR 354830	194
	35.4	43	-	31	-	0.5	0.5	IR 35.44331	112
	35.5	40.8	-	22	-	0.5	0.5	IR 35.540.822	53
	35.9	42	-	27	-	1.5	1.5	IR 35.94227	77
36	36	42	-	36.8	-	0.5	0.5	IR 364236.8	104
	36	42	46	36.8	34.3	0.5	0.5	IRD 364236.8	110
	36	43	-	37.15	-	1	1	IR 364337	124

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	d	di	d1	B	B1	r1 min	r2		W≈g
37	37	45	–	28	–	1	1	IR 374528	111
	37	45	–	28.15	–	0.5	0.5	IR 374528.15	112
	37	45	–	30.2	–	0.5	0.5	IR 374530.2	120
38	38	45	–	27	–	1.5	1.5	IR 384527	95
	38	45	–	27.5	–	0.5	0.5	IR 384527.5	96
	38	45	62	34	27	1.5	1.5	IR 384534	198
40	40	46	-	37.15	-	1	1	IR 404637	115
	40	47	62	29.6	25	0.5	0.5	IRD 404729.6	156
	40	47	-	35.15	-	1	1	IR 404735	130
	40	47	-	43	-	1.2	1.2	IR 404743	158
	40.4	49	-	25	-	2	2	IR 404925	113
	40	50	-	31	-	0.5	0.5	IR 405031	168
	40	52	-	29.25	-	1	1	IR 405229.25	195
	40.3	52	75	59.5	54	1	1	IRD 405259.5	485
	40	52	-	32.05	-	1	1	IR 405232.05	214
	40	52	-	33.25	-	1	1	IR 405233.25	222
	40	62	-	38.15	-	3	3	IR 406238.2	520
	40.2	47.5	56	22	18	0.5	1	IRD 40.247.522	105
	40.4	48.5	-	25	-	1	1	IR 40.448.525	108
41	41	46	60	24	20.5	1	0.5	IRD 414624	98
	41	50	-	30.15	-	0.5	0.5	IR 415030	149
	41	50	-	34.15	-	0.5	0.5	IR 415034	169
	41.4	47	-	27	-	1.5	1.5	IR 41.44727	78
43	43	50	-	31	-	0.5	0.5	IR 435031	121
44	44	50	-	34.1	-	1	1	IR 445034	115
45	45	52	-	27.25	-	1	1	IR 455227.25	111
	45	52	-	39.05	-	1	1	IR 455239.05	160
	45	53	70	44.65	37.75	0.3	0.4	IRD 455344.7	298
	45	55	-	32	-	2	2	IR 455532	193
	45.2	52	-	50	-	0.5	0.5	IR 45.25250	198
	45.2	53	68	30.5	25	1	0.5	IRD 45.25330.6	201
46	46	52	-	34	-	0.7	0.7	IR 465234	120
	46	55	-	32.15	-	0.5	0.5	IR 465532	177
	46	56	-	33.8	-	1	1	IR 465633.8	208
48	48	54	-	41.35	-	1.7	1.7	IR 485441.4	152
	48	55	-	28	-	0.5	0.5	IR 485528	121
	48	55	-	40.15	-	1	1	IR 485540	175
	48	55	-	44	-	0.5	0.5	IR 485544	190
	48	57	72	36	32	1.2	1.2	IRD 485736	253
	48	58	-	43.55	-	0.5	0.5	IR 485843.5	280
50	50	55	-	32.5	-	1.5	1.5	IR 505532.5	102
	50.2	56	-	43.65	-	0.5	0.5	IR 505644	162
	50.2	57	-	43.65	-	0.5	0.5	IR 505744	191
	50	57	-	45.45	-	0.5	0.5	IR 505745.5	205
	50.2	57	-	48.15	-	1	1	IR 505748	212
	50	57.2	-	27.5	-	0.5	2.5	IR 5057.227.5	128
	50	58	-	15	-	0.5	0.5	IR 505815	78
	50	58	-	45.45	-	0.5	0.5	IR 505845.45	237
	50	58	-	33	-	0.5	0.5	IR 505833	172
	50	58	-	43.5	-	0.5	0.5	IR 505843.5	225
	50	60	-	43	-	1	0.5	IR 506043	285
	50	62	-	45.05	-	0.5	0.5	IR 506245	366
	50.5	56	-	42	-	1	0.5	IR 50.55642	145
	50.5	55	-	46	-	1	0.5	IR 50.55646	160
	50.5	60	-	46.15	-	1	1	IR 50.56046	290

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	d	di	d1	B	B1	r1 min	r2		W≈g
51	51	57	–	46.15	–	2	2	IR 515746	181
	51	63	–	44.15	–	2	2	IR 516344	368
52	52	58	–	36	–	0.3	0.3	IR 525836	143
	52	58	–	40.15	–	1	1	IR 525840	157
	52	60	–	46.15	–	0.5	0.5	IR 526046	251
	52	60	–	48.15	–	2	2	IR 526048.2	260
	52	60	–	49.15	–	0.5	0.5	IR 526049	267
	52	62	–	35.3	–	2	2	IR 526235.3	241
	52	62	–	38	–	1.5	1.5	IR 526238	260
	52	65	–	38.2	–	1.5	1.58	IR 526538	353
	52	65	–	40	–	0.5	0.5	IR 526540	370
	52	65	–	40.1	–	0.8	0.8	IR 526540.1	371
	52	65	80	45	40	1	-	IRD 526545	483
	52	65	80	52	47	0.7	0.7	IRD 526552	547
	52.05	70	89.5	36.5	29	0.5	2	IRD 527036.5	630
	52.05	70	89.5	44.5	37	0.5	2	IRD 527044.5	735
	52.05	70	-	33	-	2	2	IR 52.17033	439
	52.8	65	-	38	-	0.5	0.5	IR 52.86538.3	332
53	53	60	-	42.3	-	0.5	0.5	IR 536042.3	199
	53	60	-	55.65	-	1	0.5	IR 536055.65	267
54	54	60	-	32	-	0.5	1	IR 546032	132
	54	62	-	32.1	-	0.7	0.5	IR 546232.1	180
	54.5	62	-	40	-	0.8	0.7	IR 546240	212
	54	62	-	45	-	0.5	0.8	IR 546245	250
	54	62	-	47.25	-	0.5	0.5	IR 546247	265
	54.8	62.78	-	15.7	-	0.5	0.5	IR 546316	88
	54	63	-	40	-	0.5	0.5	IR 546340	253
	54	63	80	45	40	0.7	0.5	IRD 546345	361
	54	64	106	60.05	54.2	0.5	0.7	IRD 546460	685
	54	70	-	34	-	1.5	0.5	IR 547034	408
55	55	68	82	39.4	35.4	0.5	1.5	IRD 556839.5	433
57	57	64	-	41.7	-	0.5	2	IR 576442	214
	57	70	-	35.1	-	1.5	.5.5	IR 577035.1	352
	57	70	-	36.2	-	1.2	1	IR 577036.2	363
	57.055	63	-	12	-	1	1	IR 57.16312	50
	57.5	65	-	38	-	0.5	0.5	IR 57.56538.3	210
58	58	70	-	30.2	-	1	1	IR 587030.2	282
60	60	70	-	41.5	-	0.5	0.5	IR 607041.5	326
	60	75	-	40	-	1	1	IR 607540	491
	60.5	73	-	46.5	-	2	2	IR 60.57346.5	470
	60.5	73	-	52.68	-	2	2	IR 60.57352.7	532
61	61	67.4	-	21.9	-	0.3	0.3	IR 6167.421.9	138
	61	67.4	-	27.9	-	0.3	0.3	IR 6167.427.9	138
62	62	70	-	39.05	-	1	1	IR 627039	249
	62	74	-	50	-	4	4	IR 627450	490
	62	75	-	30	-	2	2	IR 627530	323
	62	75	-	35	-	1.2	1.2	IR 627535	377
63	63	70	-	42.15	-	1	1	IR 637042	235
	63	72	-	49	-	0.5	0.5	IR 637249	360
	63	73	-	56.05	-	0.5	0.5	IR 637356.1	460
	63	75	-	40.2	-	1.5	1.5	IR 637540.2	402
64	64	73	-	40.15	-	1	1	IR 647340	298

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	d	di	d1	B	B1	r1 min	r2		W≈g
64	64.7	90	–	36.3	–	2	2	IR 64.79036.3	862
	64.7	90	–	40.3	–	2	2	IR 64.79040.3	955
	64.7	90	–	53.2	–	2	2	IR 6479053.2	1262
	64.7	95	–	41.9	–	2	2	IR 6479542	1229
65	65	75	–	35	–	1	1	IR 657535	296
	65	75	–	40.1	–	1.5	1.5	IR 657540.1	339
	65	75	–	40.2	–	1.5	1.5	IR 657540.2	340
	65.3	78	–	36.35	–	0.5	0.5	IR 657836	400
	65.3	78	–	38.8	–	1.2	1.2	IR 657839	428
	65.3	78	–	41.15	–	0.5	0.5	IR 657841	453
	65	78	–	43.65	–	0.5	0.5	IR 657843.65	492
	65.225	77.934	–	44	–	0.5	0.6	IR 65.27844	485
	65.3	83	–	41.15	–	1	1	IR 65.38341	654
	65.35	75	–	36	–	0.5	0.5	IR 65.357536	295
	65.5	78	–	43	–	1.2	1.2	IR 65.57843	467
66	66	75	–	40.55	–	0.2	0.2	IR 667540.6	312
	66	75	–	40.2	–	1	1	IR 667540.2	308
	66	75	–	49	–	1.5	1.5	IR 667549	376
	66	75	–	45.2	–	1	1	IR 667545.2	345
67	67	77	–	31.05	–	0.5	0.5	IR 677731	268
	67	77	–	36.98	–	0.5	0.5	IR 677737	323
	67	77	–	41.05	–	1	1	IR 677741	358
	67	77	–	43.05	–	1	1	IR 677743	375
	67	77	–	50.55	–	0.5	0.5	IR 677750.6	441
	67	77	–	54.16	–	3	3	IR 677754.2	472
	67	77	–	56.16	–	3	3	IR 677766.2	577
	67.6	79.969	90	48.5	40	1.5	1.5	IRD 67.68048.5	616
68	68	76	-	54.65	-	0.5	0.5	IR 687655	381
	68.1	79.98	103	55.5	50	0.5	1.5	IRD 68.18055.5	732
	68.6	74.6	-	22.2	-	0.5	1.5	IR 68.674.622.2	114
69	69	77	-	41.05	-	1	1	IR 697741	290
	69	89	-	44.05	-	0.5	0.5	IR 698944	843
	69.47	84	-	56.2	-	0.6	0.6	IR 69.478456.2	761
	69.47	84	-	61.7	-	0.6	0.5	IR 69.478461.7	836
	69.6	78	-	38.75	-	0.6	0.6	IR 69.67839	291
	69.65	78	-	47.05	-	0.5	0.5	IR 69.657847	341
70	70	78	-	32.5	-	0.5	0.5	IR 707832.5	232
	70	78	-	36.35	-	0.5	0.5	IR 707836	259
	70	78	-	38.75	-	0.5	0.5	IR 707839	278
	70	78	-	40	-	0.5	0.5	IR 707840	287
	70	78	-	41.15	-	0.5	0.5	IR 707841	295
	70	78	-	42.5	-	0.5	0.5	IR 707842.5	305
	70	78	-	47.15	-	0.5	0.5	IR 707847	337
	70	78	-	48.5	-	0.3	0.3	IR 707848.5	347
	70	80	-	30.5	-	2	2	IR 708030.5	277
	70	80	-	35.1	-	2	2	IR 708035.1	318
	70	80	-	38.3	-	2	2	IR 708038.3	346
	70	80	-	40.2	-	1	1	IR 708040.2	362
	70	80	-	46	-	2	2	IR 708046	417
	70	80	100	48.5	42	0.5	0.6	IR 708048.5	581
	70	80	100	52	46	1	1	IR 708052	600
	70	82	-	40.3	-	2	2	IR 708240.3	445
	70	82	-	41.5	-	0.5	0.5	IR708241.5	459
	70	81.943	-	68	-	2.2	2.2	IR708268	749
	70	83	-	41.15	-	1	1	IR708341	495
	70	87	–	48.15	-	0.5	0.5	IR708748.2	765

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	d	di	d1	B	B1	r1 min	r2		W≈g
70	70	90	–	40.3	–	2	2	IR709040.3	782
	70	90	–	43.3	–	1.2	1.2	IR709043.3	839
	70	90	–	53.2	–	1.2	1.2	IR709053.2	1030
	70	90	–	56.3	–	1.2	1.2	IR709056.3	1090
71	71	78	–	36	–	0.5	0.5	IR717836	225
	71	78	–	40	–	1	0.5	IR717840	250
	71	78	–	47.15	–	0.5	0.5	IR717847	297
	71	78	–	53.15	–	0.5	0.5	IR717853	334
	71	80	–	42.15	–	0.5	0.5	IR718042.15	345
72	72	81.94	–	47	–	0.7	0.7	IR 7281.947	378
	72	82	–	47	–	0.6	0.6	IR728247	438
	72	90	–	65.4	–	2.2	2.2	IR729065.4	1150
	72.5	90	–	29	–	1	1	IR72.59029	499
73	74	83	–	41.15	–	1	1	IR748341	351
	74	83	–	47.05	–	0.5	0.5	IR748347	402
	74	83	–	47.15	–	1	1	IR748347.15	403
	74	83	–	50	–	1	1	IR748350	428
	74	85	–	38.15	–			IR748538.15	403
75	75	84	–	44.05	–	1	1	IR758444	382
	75	84	–	50.5	–	0.5	0.5	IR758450.6	437
	75	84	–	53.15	–	0.1	0.1	IR758453.2	458
	75	84	–	57.55	–	0.5	0.5	IR758457.6	468
	75	84	–	58.5	–	1	1	IR758458.5	506
	75	84	–	64	–	1	1	IR758464	554
	75	85	–	38.15	–	1	0.5	IR758538	368
	75	85	–	44.6	–	1	1	IR758545	432
	75	85	–	50.55	–	0.5	0.5	IR758550.6	488
	75	97	–	36	–	1	1	IR759736	825
76	76	85	–	48.25	–	0.6	0.6	IR768543	375
	76	86	–	62.05	30	0.5	0.5	IR768662	608
79	79	91	–	55.15	-	1	1	IR799155	680
	79.5	91	–	14.8	-	1	1	IR79.59115	174
80	80	88	–	44.15	-	0.5	0.5	IR808844.2	358
	80	90	97	45.8	-	1	1	IR809045.8	596
	80	90	-	50	-	2.2	2.2	IR809050	314
	80	90	-	72.5	-	0.5	0.5	IR809072.5	746
	80	93	-	53.65	-	0.5	0.5	IR809354	731
	80.5	87	-	41.15	-	1	1	IR80.58741	270
	80.5	87	-	72.85	-	0.6	0.6	IR80.58743	281
	80.5	87	-	45	-	1	1	IR80.58742	296
	80.5	92	-	49.5	48	0.6	0.6	IR80.59249.5	594
81	81	89	-	38.15	-	0.5	0.5	IR818938.15	313
82	82.5	91.5	-	65.5	-	1	1	IR82.591.566.5	630
83	83	95	-	57.55	-	0.5	0.5	IR839557.6	744
84	84	90	-	20.2	-	1	1	IR849020.2	127
	84	94	-	49.55	-	0.5	0.5	IR849449.5	534
	84	97	124	57.85	47	1	1	IRD849758	1180
	84.5	97	-	54	-	1	1	IR84.59754	741
85	85	96	-	44	-		1	IR859655	531
	85.1	91	-	20	-	0.3	0.3	IR85.19120	125
86	86	95	-	47.05	-	0.5	0.5	IR869547	463
	86	95	-	50.05	-	0.5	0.5	IR869550	493
	86	94	-	63.65	-	0.5	0.5	IR869552	554
	86	95	115	52.05		1	1	IRD869564	642
87	87	100	-	53.5		1	1	IR8610053.5	843
88	88	97	-	36.15		1	1	IR879736	402
	88.6	96	-	31		0.5	0.5	IR889631	275
90	90	98	-	57.9		1.5	1.5	IR88.69857.9	610
	90	99.035	-	72		0.5	0.5	IR909972	744
	90	101	-	42		0.1	1	IR9010142	534
98	98	108	-	47		0.7	0.7	IR9810847	586