



SKF Inner Ring Series: IR

Inner rings are typically combined with needle roller and cage assemblies or drawn cup needle roller bearings in applications where the shaft cannot be hardened and ground.

Inner rings are available in two series: IR series with or without a lubrication hole and the LR series.

IR series inner rings:

- are the standard inner rings for needle roller bearings
- are hardened and ground
- have a precision ground raceway surface with a lead-in chamfer on both sides
- are available in some sizes with a lubrication hole [designation suffix IS1]

LR series inner rings:

- are hardened, and the bore and raceway diameter are ground
- side faces are turned and the edges are smoothed
- can be used to provide a cost-effective bearing arrangement for applications where the larger run-out and width tolerances are less important

Characteristics

Series: IR

with Lubrication hole: No

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Article
IR 6X9X12	6	9	12	23766134
IR 7X10X10.5	7	10	10.5	24003574
IR 7X10X12	7	10	12	24003575
IR 7X10X16	7	10	16	24003576
IR 5X8X12	8	8	12	23766124
IR 8X12X10.5	8	12	10.5	24003579
IR 8X12X12.5	8	12	12.5	24003580
IR 9X12X16	9	12	16	23766154
IR 10X13X12.5	10	13	12.5	24003517
IR 10X14X13	10	14	13	24003518
IR 10X14X16	10	14	16	23766046
IR 10X14X20	10	14	20	23766047
IR 12X15X12	12	15	12	23766050
IR 12X15X12.5	12	15	12.5	23766051
IR 12X15X16	12	15	16	23766052
IR 12X15X16.5	12	15	16.5	23766053
IR 12X15X22.5	12	15	22.5	24003522
IR 12X16X13	12	16	13	23766055
IR 12X16X16	12	16	16	24003523
IR 12X16X20	12	16	20	24003524
IR 12X16X22	12	16	22	23766056
IR 14X17X17	14	17	17	23766059
IR 15X18X16.5	15	18	16.5	24003528
IR 15X19X16	15	19	16	23220267
IR 15X20X13	15	20	13	23766063
IR 15X20X23	15	20	23	23766064
IR 17X20X16	17	20	16	24003529

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Article
IR 17X20X16.5	17	20	16.5	24003530
IR 17X20X20	17	20	20	23766067
IR 17X20X20.5	17	20	20.5	23766068
IR 17X20X30.5	17	20	30.5	23766069
IR 17X22X13	17	22	13	24003533
IR 17X22X16	17	22	16	23766070
IR 17X22X23	17	22	23	23766071
IR 17X24X20	17	24	20	23766072
IR 20X24X16	20	24	16	23766074
IR 20X24X20	20	24	20	23766075
IR 20X25X17	20	25	17	24003536
IR 20X25X20	20	25	20	23766077
IR 20X25X20.5	20	25	20.5	23766078
IR 20X25X26.5	20	25	26.5	24003537
IR 20X25X30	20	25	30	23766079
IR 20X25X38.5	20	25	38.5	23766080
IR 20X28X20	20	28	20	12174604
IR 20X28X20/S0VT925	20	28	20	13200140
IR 22X26X16	22	26	16	24003539
IR 22X28X17	22	28	17	24003540
IR 22X28X20	22	28	20	23766082
IR 22X28X20.5	22	28	20.5	24003541
IR 22X28X30	22	28	30	24003542
IR 25X29X20	25	29	20	23766083
IR 25X29X30	25	29	30	23766084
IR 25X30X17	25	30	17	23766086
IR 25X30X20	25	30	20	23766087
IR 25X30X20.5	25	30	20.5	23766088
IR 25X30X26.5	25	30	26.5	24003545
IR 25X30X30	25	30	30	23766090
IR 25X30X38.5	25	30	38.5	23766092
IR 25X32X22	25	32	22	23220947
IR 25X32X22/S0VT925	25	32	22	13200141
IR 28X32X17	28	32	17	24003548
IR 28X32X20	28	32	20	23766093
IR 28X32X30	28	32	30	24003549
IR 30X35X13	30	35	13	23766094
IR 30X35X16	30	35	16	24003550
IR 30X35X17	30	35	17	24003551
IR 30X35X20	30	35	20	23766095
IR 30X35X20.5	30	35	20.5	23766096
IR 30X35X26	30	35	26	24003552
IR 30X35X30	30	35	30	23766097
IR 30X37X22	30	37	22	24003553
IR 32X37X20	32	37	20	24003555
IR 32X37X30	32	37	30	23766098
IR 32X40X20	32	40	20	24003556
IR 32X40X36	32	40	36	24003557
IR 35X40X17	35	40	17	23766099
IR 35X40X20	35	40	20	23766100
IR 35X40X20.5	35	40	20.5	24003558
IR 35X40X30	35	40	30	23766101
IR 35X42X36	35	42	36	23766102

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Manufacturer ID	Inner diameter	Outer diameter	Width	Article
	mm	mm	mm	
IR 38X43X30	38	43	30	23766103
IR 40X45X17	40	45	17	24003561
IR 40X45X20	40	45	20	23766104
IR 40X45X20.5	40	45	20.5	24003562
IR 40X45X30	40	45	30	23766105
IR 40X48X22	40	48	22	23766106
IR 40X48X40	40	48	40	23766107
IR 40X50X22	40	50	22	24003563
IR 42X47X20	42	47	20	24003564
IR 45X50X25	45	50	25	23766109
IR 45X50X35	45	50	35	23766111
IR 45X52X22	45	52	22	24003566
IR 45X52X40	45	52	40	23766112
IR 45X55X22	45	55	22	23766113
IR 50X55X25	50	55	25	23766115
IR 50X55X35	50	55	35	23766116
IR 50X58X22	50	58	22	24003568
IR 50X58X40	50	58	40	24003569
IR 50X60X25	50	60	25	23766118
IR 50X60X28	50	60	28	23766119
IR 55X60X25	55	60	25	23766120
IR 55X60X35	55	60	35	23766121
IR 55X63X45	55	63	45	23766122
IR 55X65X28	55	65	28	23766123
IR 60X68X25	60	68	25	23766125
IR 60X68X45	60	68	45	23766127
IR 60X70X25	60	70	25	23766128
IR 60X70X28	60	70	28	23766129
IR 65X72X25	65	72	25	24003571
IR 65X72X45	65	72	45	23766130
IR 65X75X28	65	75	28	23766132
IR 70X80X25	70	80	25	23766135
IR 70X80X30	70	80	30	23766136
IR 70X80X35	70	80	35	23766137
IR 70X80X54	70	80	54	23766138
IR 75X85X25	75	85	25	23766139
IR 75X85X30	75	85	30	24003573
IR 75X85X35	75	85	35	23766140
IR 75X85X54	75	85	54	23766141
IR 80X90X25	80	90	25	24003577
IR 80X90X30	80	90	30	23766142
IR 80X90X35	80	90	35	23766143
IR 80X90X54	80	90	54	23766144
IR 85X95X26	85	95	26	23766147
IR 85X95X36	85	95	36	24003578
IR 85X100X35	85	100	35	23766145
IR 85X100X63	85	100	63	23766146
IR 90X100X26	90	100	26	23766150
IR 90X100X30	90	100	30	23766151
IR 90X100X36	90	100	36	23766152
IR 90X105X35	90	105	35	24003581
IR 95X110X35	95	110	35	24003585
IR 100X110X30	100	110	30	23766042

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Manufacturer ID	Inner diameter	Outer diameter	Width	Article
	mm	mm	mm	
IR 100X110X40	100	110	40	23766043
IR 100X115X40	100	115	40	23766044
IR 110X120X30	110	120	30	24003519
IR 110X125X40	110	125	40	23766048
IR 130X150X50	130	150	50	24003526
IR 140X160X50	140	160	50	23766058
IR 150X165X40	150	165	40	23766060
IR 160X175X40	160	175	40	23766065
IR 170X185X45	170	185	45	23766066
IR 180X195X45	180	195	45	23766073
IR 190X210X50	190	210	50	24003534
IR 200X220X50	200	220	50	24003535
IR 220X240X50	220	240	50	24003538
IR 240X265X60	240	265	60	24003543

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