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Ring Jewel Bearings

Serving as radial/sleeve jewel bearings, Ring Jewels are used with straight cylindrical shafts. Ring jewels offer flexibility due to their many combinations with endstones. Straight holes restrict lateral movement, but require accurate alignment when the clearance between pivot and jewel bearing is tight. Olive holes offer lower friction with pivots and permit assembly adjustment. Bombés provide minimum contact with pivots for light, intermittent end thrust. Where thrust load is continuous, an endstone is usually combined with the ring jewel.



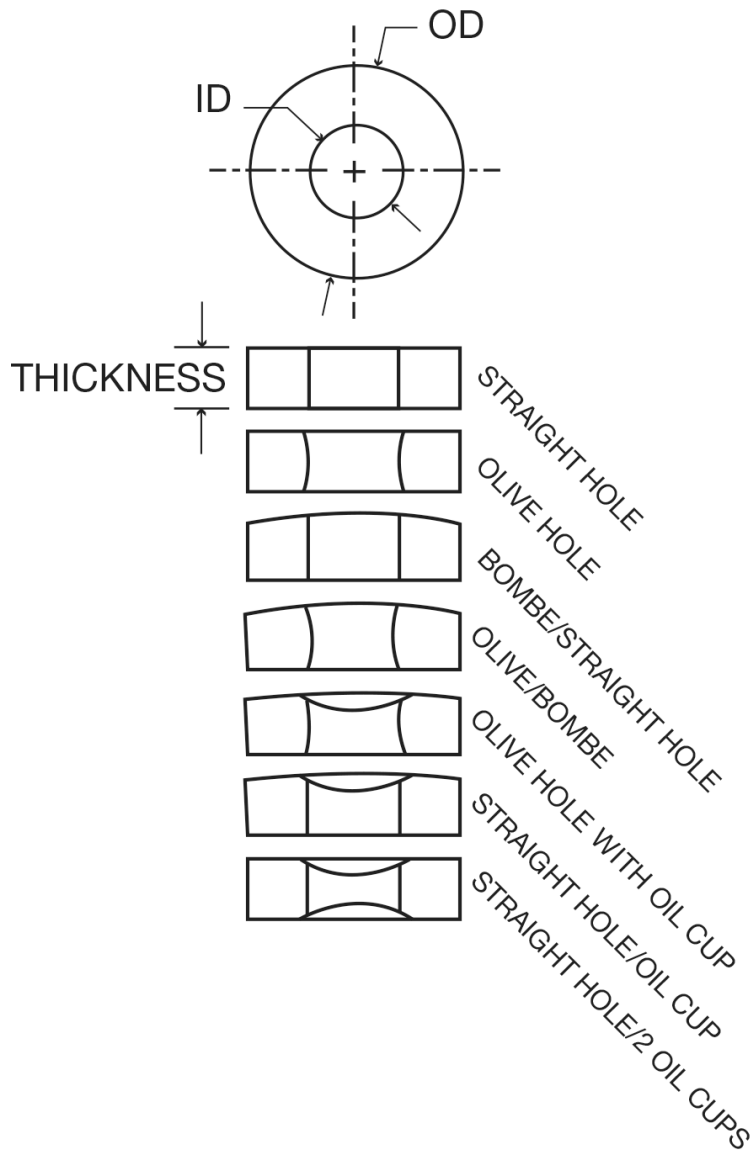
Model	Inside Diameter	Outside Diameter	Thickness	Type
R08.00	.0031/.0034"	.0354/.0357"	.0086/.0102"	Straight ring jewel with oil cup
R101.1	.0398/.0402"	.100/.101"	.023/.025"	Straight ring jewels
R101.2	.0398/.0402"	.079/.080"	.026/.028"	Straight ring jewels
R102.0	.0400/.0404"	.099/.101"	.0441/.0472"	Olive ring jewels
R103.0	.0410/.0415"	.1195/.1202"	.028/.034"	Straight ring jewels
R106.7	.0420/.0425"	.080/.081"	.024/.029"	Straight ring jewel with oil cup
R107.0	.0422/.0426"	.1138/.1148"	.027/.032"	Straight ring jewels
R108.0	.0430/.0435"	.1110/.1120"	.027/.032"	Straight ring jewels
R109.2	.0430/.0436"	.0976/.0984"	.0320/.0336"	Straight ring jewel with 1 oil cup
R116.8	.0463/.0465"	.0902/.0906"	.014/.015"	Olive ring jewels
R120.0	.0468/.0470"	.0906/.0909"	.0173/.0189"	Olive/Bombe ring jewel
R122.0	.048/.050"	.108/.110"	.0348/.0362"	Straight ring jewel
R125.0	.0497/.0507"	.133/.137"	.044/.048"	Olive ring jewel with 2 oil cups
R127.0	.0500/.0502"	.1195/.1200"	.035/.036"	Olive ring jewels
R127.4	.0501/.0504"	.0980/.0983"	.0235/.0245"	Olive ring jewels

R128.0	.0501/.0504"	.1198/.1202"	.035/.037"	Straight ring jewel
R15.00	.0059/.0062"	.0354/.0357"	.0086/.0102"	Straight ring jewel with oil cup
R152.4	.0600/.0602"	.1496/.1500"	.0342/.0362"	Straight ring jewel
R158.0	.0625/.0627"	.1195/.1200"	.035/.036"	Olive ring jewel
R175.0	.0702/.0706"	.1138/.1148"	.027/.032"	Straight ring jewel
R177.8	.0700/.0702"	.1496/.1500"	.0342/.0362"	Straight ring jewel
R20.50	.0079/.0081"	.0626/.0630"	.0150/.0157"	Straight ring jewel
R201.0	.0785/.0789"	.1670/.1674"	.040/.043"	Straight ring jewel
R203.0	.0800/.0802"	.1732/.1736"	.042/.045"	Olive/Bombe ring jewel
R224.0	.0881/.0883"	.1537/.1548"	.0484/.0500"	Olive ring jewel
R23.00	.0187/.0191"	.0784/.0788"	.0150/.0158"	Straight ring jewel
R232.0	.0910/.0915"	.1360/.1365"	.024/.025"	Olive ring jewel
R238.0	.0937/.0940"	.1871/.1875"	.0615/.0625"	Olive/Bombe ring jewel
R26.00	.0103/.0104"	.0492/.0496"	.0138/.0157"	Olive ring jewel
R27.00	.0106/.0114"	.0783/.0791"	.0150/.0181"	Straight ring jewel
R28.00	.0112/.0115"	.0354/.0357"	.0086/.0102"	Straight ring jewel with oil cup
R280.0	.1100/.1102"	.2200/.2220"	.034/.036"	Straight ring jewel
R29.20	.0112/.0115"	.0645/.0655"	.0295/.0345"	Straight ring jewel with oil cup
R29.72	.0117/.0137"	.0621/.0625"	.018/.020"	Olive ring jewel with one oil cup
R30.50	.0120/.0122"	.050/.055"	.017/.019"	Olive/Bombe ring jewel
R31.10	.0123/.0125"	.0669/.0673"	.0185/.0193"	Olive ring jewel
R31.10k	.0123/.0125"	.0669/.0673"	.0185/.0193"	Olive ring jewel with oil cup
R317.0	.1250/.1254"	.2492/.2502"	.040/.042"	Olive ring jewel
R318.0	.1250/.1252"	.2500/.2508"	.050/.052"	Olive ring jewel
R32.40	.0124/.0126"	.0626/.0630"	.0177/.0197"	Olive ring jewel with oil cup
R32.40K	.0124/.0126"	.0626/.0630"	.0177/.0197"	Olive ring jewel with 2 oil cups
R33.00	.0122/.0130"	.0783/.0791"	.0150/.0181"	Straight ring jewel

R35.00K	.0142/.0144"	.063/.067"	.013/.015"	Olive ring jewels with oil cup
R35.60	.0140/.0143"	.069/.071"	.013/.015"	Straight ring jewels with oil cup
R41.00	.0154/.0162"	.0783/.0791"	.015/.016"	Straight ring jewels
R46.00	.0177/.0181"	.0783/.0791"	.0150/.0181"	Straight ring jewels
R46.10	.0180/.0183"	.062/.064"	.0190/.0195"	Straight ring jewels
R46.40A	.0182/.0185"	.0640/.0645"	.019/.021"	Straight ring jewel with oil cup
R46.40B	.0183/.0185"	.0669/.0673"	.0154/.0165"	Olive ring jewel
R46.40K	.0183/.0185"	.0669/.0673"	.0154/.0165"	Olive ring jewels with oil cup
R47.75	.0188/.0192"	.0707/.0709"	.020/.021"	Olive ring jewels
R475.0	.1875/.1895"	.3240/.3248"	.100/.102"	Olive ring jewel
R48.30	.0190/.0192"	.0645/.0655"	.020/.025"	Straight ring jewels with oil cup
R48.50G	.0190/.0195"	.0645/.0655"	.020/.025"	Straight ring jewels with oil cup
R48.90	.0190/.0195"	.0701/.0704"	.018/.020"	Olive/Bombe ring jewels
R49.00	.0199/.0201"	.0796/.0800"	.018/.020"	Straight/Bombe ring jewel with oil cup
R50.80	.0199/.0202"	.0799/.0803"	.0177/.0197"	Olive ring jewel with oil cup
R50.80K	.0199/.0201"	.0799/.0803"	.0177/.0197"	Olive ring jewel with 2 oil cups
R51.40	.0199/.0201"	.0799/.0803"	.018/.020"	Olive ring jewel with oil cup
R52.00	.0206/.0210"	.046/.047"	.018/.020"	Straight ring jewels
R53.30	.0211/.0212"	.0610/.0614"	.0172/.0180"	Olive/Bombe ring jewels
R53.30C	.0211/.0212"	.0524/.0532"	.0185/.0193"	Olive ring jewel
R57.00	.0205/.0215"	.0620/.0630"	.020/.024"	Straight ring jewel
R63.00	.0248/.0256"	.0783/.0791"	.0197/.0217"	Straight ring jewel
R635.0	.2500/.2502"	.4200/.4208"	.100/.102"	Olive ring jewel
R64.00C	.0252/.0254"	.0783/.0787"	.0224/.0236"	Straight ring jewel with oil cup
R65.00	.0257/.0259"	.0705/.0709"	.020/.021"	Olive ring jewel
R66.00	.0260/.0268"	.078/.079"	.035/.038"	Straight ring jewel with 2 oil cups
R68.00	.0267/.0269"	.095/.105"	.038/.042"	Olive ring jewel

R71.10	.027/.029"	.0866/.0870"	.038/.040"	Olive ring jewel
R72.00	.027/.029"	.0638/.0646"	.0388/.0420"	Olive ring jewel
R76.20	.0300/.0301"	.0895/.0900"	.020/.021"	Olive ring jewel
R76.30	.0301/.0303"	.0898/.0902"	.018/.020"	Olive ring jewel
R77.90	.0307/.0310"	.0626/.0630"	.0142/.0154"	Straight/Bombe ring jewel with oil cup
R77.91	.0307/.0310"	.0626/.0630"	.0185/.0197"	Straight ring jewel
R77.92	.0307/.0310"	.0626/.0630"	.0185/.0197"	Straight/Bombe ring jewel with oil cup
R78.00	.0311/.0315"	.0783/.0788"	.0150/.0157"	Straight ring jewel
R78.20	.0310/.0312"	.0705/.0709"	.017/.018"	Olive/Bombe ring jewel
R78.70A	.0315/.0320"	.0705/.0709"	.031/.032"	Straight ring jewel with oil cup
R78.70I	.0313/.0317"	.0628/.0632"	.016/.018"	Straight/Bombe ring jewel
R78.70K	.0312/.0314"	.0705/.0709"	.0252/.0264"	Olive ring jewel
R78.70W	.0310/.0315"	.055/.056"	.025/.026"	Olive ring jewel
R83.50	.0328/.0330"	.0705/.0710"	.020/.021"	Olive/Bombe ring jewels
R84.00	.0325/.0335"	.1345/.1355"	.044/.048"	Straight ring jewel with oil cup
R84.58	.0328/.0330"	.0705/.0710"	.020/.021"	Olive/Bombe ring jewels
R88.50	.0350/.0355"	.0941/.0949"	.0260/.0315"	Olive ring jewels
R88.90	.0350/.0355"	.090/.094"	.025/.029"	Straight ring jewels
R98.00	.0382/.0398"	.0783/.0791"	.0197/.0217"	Straight ring jewels
R99.06	.039/.042"	.0945/.0953"	.0323/.0394"	Straight ring jewels

Ring Jewel Cross Section



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