



Emerson Bearing Company

201 Brighton Avenue

Boston, MA 02134

Phone: (800) 225-4587 • Fax: (800) 252-1996

Email: info@emersonbearing.com

16002 Series Deep Groove Radial Ball Bearings

Thin section ball bearings feature a reduced distance between the bore edge and the outer edge. They are most useful for applications that have space and weight limitations, but still require high-strength [bearings](#).

Dimensions Available:

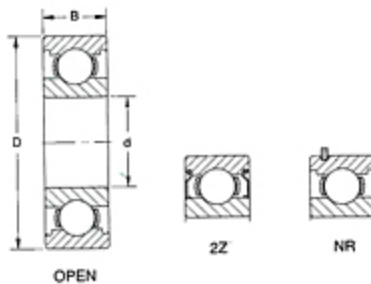
Bore diameter: 15 mm to 200 mm.

Outer diameter: 32 mm to 310 mm.

Width: 8 mm to 34 mm.

Optional Features: Available with either metal shields (ZZ) or rubber seals (2RS). Metal shields provide good dust resistance and fair temperature resistance. Rubber seals

[+ more](#)



1 2

Item #	(d) Bore Diameter	(D) Outer Diameter	(B) Width	(C) Dynamic Load	(Co) Static Load	(Grease) Lubrication Speed	(Oil) Lubrication Speed
16002	15 mm	32 mm	8 mm	5590 N	2850 N	22000 r/min	28000 r/min

<u>Item #</u>	<u>(d) Bore Diameter</u>	<u>(D) Outer Diameter</u>	<u>(B) Width</u>	<u>(C) Dynamic Load</u>	<u>(Co) Static Load</u>	<u>(Grease) Lubrication Speed</u>	<u>(Oil) Lubrication Speed</u>
<u>16003</u>	17 mm	35 mm	8 mm	6050 N	3250 N	19000 r/min	24000 r/min
<u>16004</u>	20 mm	42 mm	8 mm	6890 N	4050 N	17000 r/min	20000 r/min
<u>16005</u>	25 mm	47 mm	8 mm	7610 N	4750 N	14000 r/min	17000 r/min
<u>16006</u>	30 mm	55 mm	9 mm	11200 N	7350 N	12000 r/min	15000 r/min
<u>16007</u>	35 mm	62 mm	9 mm	12400 N	8150 N	10000 r/min	13000 r/min
<u>16008</u>	40 mm	68 mm	9 mm	13300 N	9150 N	9500 r/min	12000 r/min
<u>16009</u>	45 mm	75 mm	10 mm	15600 N	10800 N	9000 r/min	11000 r/min
<u>16010</u>	50 mm	80 mm	10 mm	16300 N	11400 N	8500 r/min	10000 r/min
<u>16011</u>	55 mm	90 mm	11 mm	19500 N	14000 N	7500 r/min	9000 r/min
<u>16012</u>	60 mm	95 mm	11 mm	19900 N	15000 N	6700 r/min	8000 r/min
<u>16013</u>	65.000 mm	100 mm	11 mm	21200 N	16600 N	6300 r/min	7500 r/min
<u>16014</u>	70.000 mm	110 mm	13 mm	28100 N	25000 N	6000 r/min	7000 r/min
<u>16015</u>	75.000 mm	115 mm	13 mm	28600 N	27000 N	5600 r/min	6700 r/min
<u>16016</u>	80.000 mm	125 mm	14 mm	33200 N	31500 N	5300 r/min	6300 r/min
<u>16017</u>	85.000 mm	130 mm	14 mm	33800 N	33500 N	5000 r/min	6000 r/min

<u>Item #</u>	<u>(d) Bore Diameter</u>	<u>(D) Outer Diameter</u>	<u>(B) Width</u>	<u>(C) Dynamic Load</u>	<u>(Co) Static Load</u>	<u>(Grease) Lubrication Speed</u>	<u>(Oil) Lubrication Speed</u>
<u>16018</u>	90.000 mm	140 mm	16 mm	41600 N	39000 N	4800 r/min	5600 r/min
<u>16019</u>	95.000 mm	145 mm	16 mm	42300 N	41500 N	4500 r/min	5300 r/min
<u>16020</u>	100.000 mm	150 mm	16 mm	44200 N	44000 N	4300 r/min	5000 r/min
<u>16021</u>	105.000 mm	160 mm	18 mm	52000 N	51000 N	4000 r/min	4800 r/min
<u>16022</u>	110.000 mm	170 mm	19 mm	57200 N	57000 N	3800 r/min	4500 r/min
<u>16024</u>	120.000 mm	180 mm	19 mm	60500 N	64000 N	3400 r/min	4000 r/min
<u>16026</u>	130 mm	200 mm	22 mm	79300 N	81500 N	3200 r/min	3800 r/min
<u>16028</u>	140 mm	210 mm	22 mm	80600 N	86500 N	3000 r/min	3600 r/min
<u>16030</u>	150 mm	225 mm	24 mm	92300 N	98000 N	2600 r/min	3200 r/min