



Eccentric Collar Ball Bearings

LUBRICANTS

DODGE ball bearings are factory lubricated with a lithium complex base lubricant. For applications where extreme ambient temperatures or speeds are anticipated or environmental considerations require a different lubricant, DODGE has a variety of lubricants available. Special lubricant options usually require set-up charges and premiums.

HIGH TEMPERATURE

DODGE high temperature bearings are designed to operate in temperatures from 225° F (108° C) to 400° F (205° C). The bearings have adjusted internal clearance, labyrinth seals, retainers, and lubricants to meet the temperature needs of the application. To insure proper replacement, the bearing is identified by a six digit part number etched on a stainless steel nameplate riveted to the housing. The part number identifies the specific feature of the bearing. High temperature bearings are factory assembled to order and are available at extra cost. Consult Dodge Engineering for application assistance at (864)284-5700 or fax (864) 281-2317.

AIR HANDLING

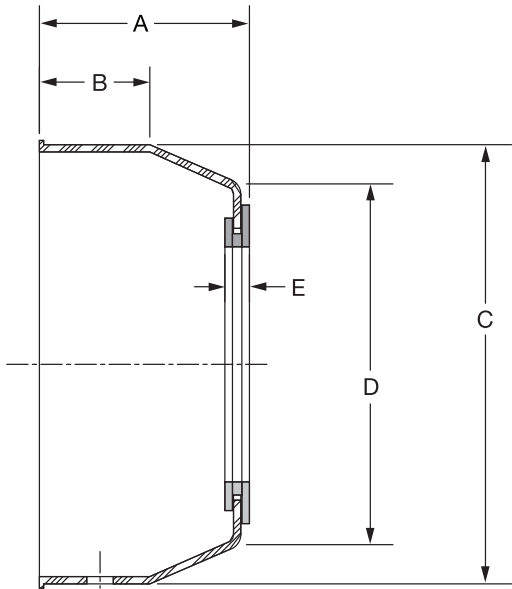
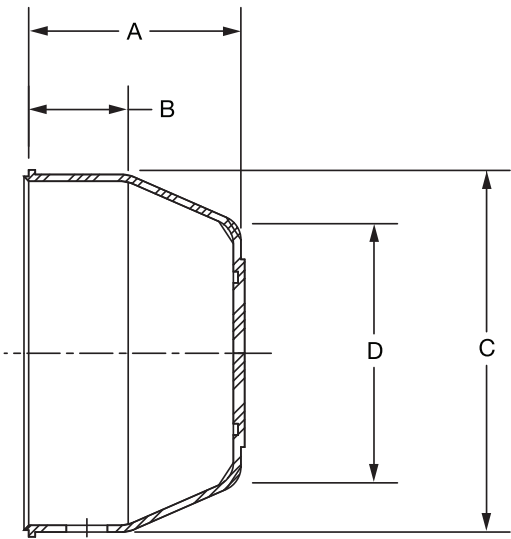
Industrial fans and blowers generally operate at high speeds with bearing requirements of long life and quiet operation. Dodge stocks a complete line of SC and SCM air handling ball bearings that are specifically designed to meet the requirements of the Air Handling Industry. However SXR air handling ball bearings in a wide variety of sizes and housing configurations can be supplied on a made/assembled to order basis. These bearings are 100% inspected for quiet operation and are recommended for fan and blower operations.

OTHER MODIFICATIONS

For applications requiring modifications not listed, we encourage you to contact our Customer Order Engineering Department at (864) 284-5700 or fax (864) 281-2317.



Extreme Duty Ball Bearing
END CLOSURES



Series	Closed End Closure	
	Part Number	Description
204	128280	EC-204-Y
205	128281	EC-205-Y
206	128282	EC-206-Y
207	128283	EC-207-Y
208	128284	EC-208-Y
209	128285	EC-209-Y
210	128286	EC-210-Y
211	128277	EC-211-Y
212	128278	EC-212-Y

Open End Closure		
Shaft Size	Part Number	Description
3/4	128350	ECO-012-Y
20mm	128363	ECO-20M-Y
1	128351	ECO-100-Y
25mm	128364	ECO-25M-Y
1-3/16	128352	ECO-103-Y
1-1/4	128353	ECO-104S-Y
30mm	128365	ECO-30M-Y
1-1/4	128355	ECO-104-Y
1-7/16	128354	ECO-107-Y
35mm	128366	ECO-35M-Y
1-1/2	128356	ECO-108-Y
40mm	128367	ECO-40M-Y
1-11/16	128357	ECO-111-Y
45mm	128368	ECO-45M-Y
1-15/16	128358	ECO-115-Y
50mm	128369	ECO-50M-Y



Extreme Duty Housed Mounted Bearings

Open Cover Extreme Duty Dimensions

Series	Shaft Size	A	B	C	D	E
204	3/4	1-3/16	17/32	1-29/32	1-3/8	3/16
	20mm	30.2	13.5	48.4	35.1	4.9
205	1	1-1/4	17/32	2-11/64	1-39/64	3/16
	25mm	31.8	13.5	55.1	40.9	4.9
206	1-3/16	1-25/64	9/16	2-1/2	31/32	3/16
	1-1/4					
	30mm	35.3	14.2	63.5	50.0	4.9
207	1-1/4	1-17/32	11/16	2-29/32	2-5/16	3/16
	1-7/16					
	35mm	38.9	17.5	73.9	58.9	4.9
208	1-1/2	1-19/32	11/16	3-5/16	2-49/64	13/64
	40mm	40.6	17.5	84.1	70.1	5.1
209	1-11/16	1-21/32	23/32	3-1/2	2-7/8	13/64
	45mm	41.9	18.3	88.9	72.9	5.1
210	1-15/16	1-23/32	29/32	3-5/8	3	13/64
	50mm	43.7	23.1	91.4	76.2	5.1

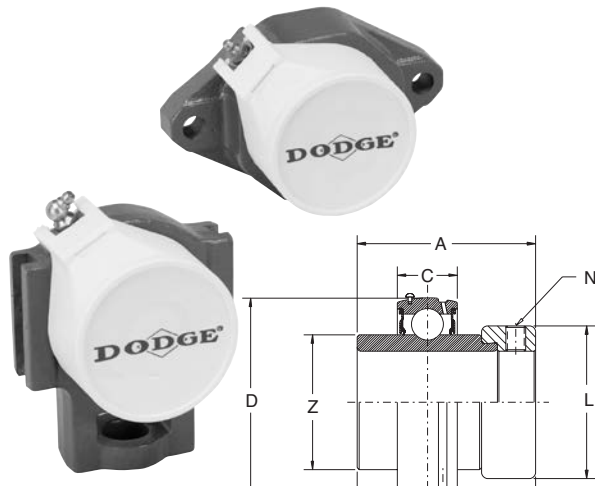
Closed Cover Extreme Duty Dimensions

Series	A	B	C	D
204	1-1/8	17/32	1-29/32	1-3/8
	28.7	13.5	48.4	35.1
205	3/16	17/32	2-11/64	1-39/64
	30.2	13.5	55.1	40.9
206	1-21/64	9/16	2-1/2	31/32
	33.8	14.2	63.5	50.0
207	1-15/32	11/16	2-29/32	2-5/16
	37.3	17.5	73.9	58.9
208	1-35/64	11/16	3-5/16	2-49/64
	39.1	17.5	84.1	70.1
209	1-19/32	23/32	3-1/2	2-7/8
	40.4	18.3	88.9	72.9
210	1-21/32	29/32	3-5/8	3
	42.2	23.1	91.4	76.2
211	1-51/64	31/32	3-15/16	3-19/64
	45.5	24.6	100.1	83.6
212	1-29/32	1	4-3/8	3-21/32
	48.3	25.4	111.3	92.7

RELATED PRODUCTS

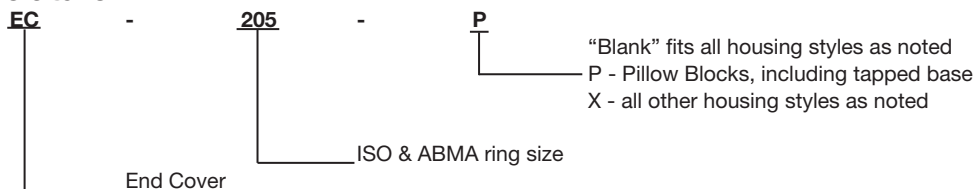


Eccentric Collar Ball Bearings DODGE Ball Bearing End Covers*



- Fits all styles of DODGE cast iron housed ball bearings: Pillow Blocks, 2 and 4 Bolt Flanges, and Take-Up bearings
- Injected molded, impact resistant, OSHA safety yellow end covers meet requirements for exposed rotating shafts
- Stainless steel "C" Washer for gripping power
- No modification or machining of existing housings required
- Concentric knockout grooves on inside of end cover for thru-shaft
- DODGE six digit part number and description embossed inside
- Operating temperature to 250° F
- For non relubricable/sealed for life applications (-NL), part number 430020 hex head plug is available

Nomenclature



Series	Pillow Blocks Std, U, B	Tapped Base PB	2 Bolt Flange	Flanged Bracket	4 Bolt Flange	Piloted Flange (FC)	Narrow Slot Take-Up	Wide Slot Take-Up
203	X		X		X			
204	X	X	X	X	X		X	X
205	X	X	X	X	X		X	X
206	X	X	X	X	X	@	X	X
207	X	X	X	X	X	@	X	X
208	X	X	X		X	@	X	X
209	X	X	X		X	@	X	X
210	X	X	X	X	X	@	X	X
211	X	X	X		X	NA	X	X
212	X		X		X	NA	X	X
214	X				X	NA		X
215	X				X			X
216	X				X	X		X
218	X				X	X		

* = Will not fit LF, LFT, SCHB, HNCR & CLY

@ = Some modification required

NA = Will not fit

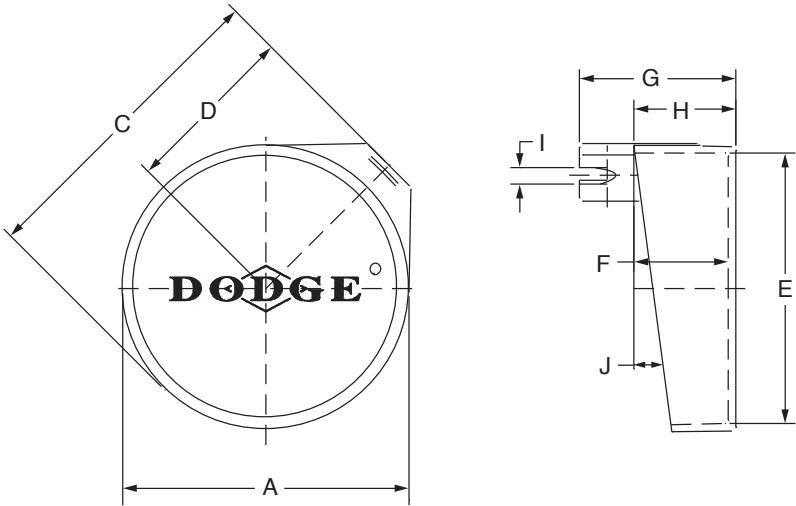
X = Will fit

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RELATED PRODUCTS

Eccentric Collar Ball Bearings
BALL BEARING END COVERS FOR PILLOW BLOCKS & TAPPED BASE UNITS



Series	Shaft Size*		Part Number	Description
	SXR, SXV	SXRH		
203	1/2 & 5/8 17mm	-----	128200	EC-203-P
204	3/4 20mm	-----	128202	EC-204-P
205	7/8 - 1 25mm	-----	128204	EC-205-P
206	1-1/16 - 1-1/4 30mm	-----	128206	EC-206-P
207	1-1/4 - 1-7/16 35mm	1-3/16 & 1-3/4 30mm	128208	EC-207-P
208	1-1/2 40mm	1-7/16 35mm	128210	EC-208-P
209	1-5/8 - 1-3/4 45mm	-----	128212	EC-209-P
210	1-15/16 & 2 50mm	1-11/16 & 1-3/4 45mm	128214	EC-210-P
211	2 - 2-3/16 55mm	1-15/16 & 2 50mm	128216	EC-211-P
212	2-1/4 - 2-7/16 60mm	2-3/16 55mm	128218	EC-212-P

* NOTE: SXRH uses the next larger end cover. E.G. A P2B-SXRH-103 would use a EC-207-P

RELATED PRODUCTS



Eccentric Collar Ball Bearings

BALL BEARING END COVERS FOR PILLOW BLOCKS & TAPPED BASE UNITS

Eccentric Collar Ball Bearing

Setscrew VSC Ball Bearing

Eccentric SXV Collar Ball Bearing

Take-Up Frames

Engineering

Part Number Index

Keyword Index

Series	Shaft Size		Weight lbs gm	A	C	D	E	F	G	H	I	J
	SXR, SXV	SXRH										
203	1/2 & 5/8 17mm	-----	.02 9	1-25/32 45.2	2-7/64 53.6	1-3/32 27.7	1-41/64 41.7	49/64 19.6	1-29/64 37.1	29/32 22.9	1/4 6.4	9
204	3/4 20mm	-----	.03 14	2-3/64 52.0	2-37/64 65.3	1-19/64 33.0	1-55/64 47.2	1-1/64 25.7	1-49/64 45.0	1-5/32 29.5	5/16 7.9	11
205	7/8 - 1 25mm	-----	.05 23	2-3/8 60.2	2-13/16 71.4	1-3/16 35.0	2-5/32 54.9	1-1/16 26.9	1-7/8 47.8	1-7/32 31.0	11/32 8.6	9
206	1-1/16 - 1-1/4 30mm	-----	.07 34	2-47/64 69.3	3-21/64 84.3	1-45/64 43.2	2-1/2 63.5	1-15/64 31.5	2-5/32 54.9	1-13/32 35.6	23/64 8.9	9
207	1-1/4 - 1-7/16 35mm	1-3/16 & 1-1/4 30mm	.11 48	3-1/4 82.6	3-51/64 96.3	1-29/32 48.5	3-1/64 76.7	1-5/16 33.3	2-11/32 59.4	1-31/64 37.6	3/8 9.4	7 30'
208	1-1/2 40mm	1-7/16 35mm	.13 61	3-3/8 85.9	4.0 101.6	2-1/16 52.3	3-7/64 79.0	1-19/64 33.0	2-13/32 61.0	1-1/2 38.1	27/64 10.7	6
209	1-5/8 - 1-3/4 45mm	-----	.15 69	3-11/16 93.7	4-17/64 108.2	2-11/64 55.1	3-13/32 86.6	1-21/64 33.8	2-21/64 59.2	1-17/32 38.9	25/64 9.9	7
210	1-15/16 & 2 50mm	1-11/16 & 1-3/4 45mm	.17 78	3-7/8 98.6	4-1/2 114.3	2-19/32 59.2	3-37/64 90.9	1-23/64 34.3	2-1/2 63.5	1-9/16 39.6	31/64 12.5	9
211	2 - 2-3/16 55mm	1-15/16 & 2 50mm	.22 102	4-27/64 112.3	5-1/16 128.5	2-19/32 66.0	4-1/8 104.7	1-13/32 35.8	2-37/64 65.3	1-5/8 41.2	29/64 11.4	7
212	2-1/4 - 2-7/16 60mm	2-3/16 55mm	.26 118	4-59/64 125.0	5-29/64 138.7	2-3/4 69.9	4-39/64 117.1	1-17/32 38.9	2-11/16 68.3	1-3/4 44.5	13/32 10.4	8

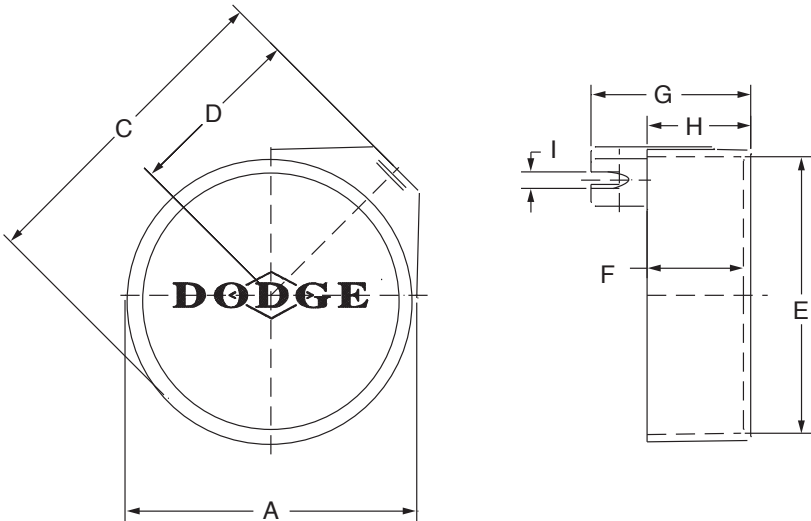
For no-re-lube (-NL) applications, part number 430020, hex head plug is available

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RELATED PRODUCTS



Eccentric Collar Ball Bearings BALL BEARING END COVERS FOR MOUNTED UNITS OTHER THAN PILLOW BLOCKS & TAPPED BASE UNITS



Series	Shaft Size*	Part Number	Description
	SXR, SXV		
203	1/2 & 5/8 17mm	128201	EC-203-X
204	3/4 20mm	128203	EC-204-X
205	7/8 - 1 25mm	128205	EC-205-X
206	1-1/16 - 1-1/4 30mm	128207	EC-206-X
207	1-1/4 - 1-7/16 35mm	128209	EC-207-X
208	1-1/2 40mm	128211	EC-208-X
209	1-5/8 - 1-3/4 45mm	128213	EC-209-X
210	1-15/16 & 2 50mm	128215	EC-210-X
211	2 - 2-3/16 55mm	128217	EC-211-X
212	2-1/4 - 2-7/16 60mm	128219	EC-212-X

* NOTE: Above end covers will not fit the LF and LFT bearings

RELATED PRODUCTS



Eccentric Collar Ball Bearings

BALL BEARING END COVERS FOR MOUNTED UNITS OTHER THAN PILLOW BLOCKS & TAPPED BASE UNITS

Eccentric Collar Ball Bearing

Setscrew VSC Ball Bearing

Eccentric SXV Collar Ball Bearing

Take-Up Frames

Engineering

Part Number Index

Keyword Index

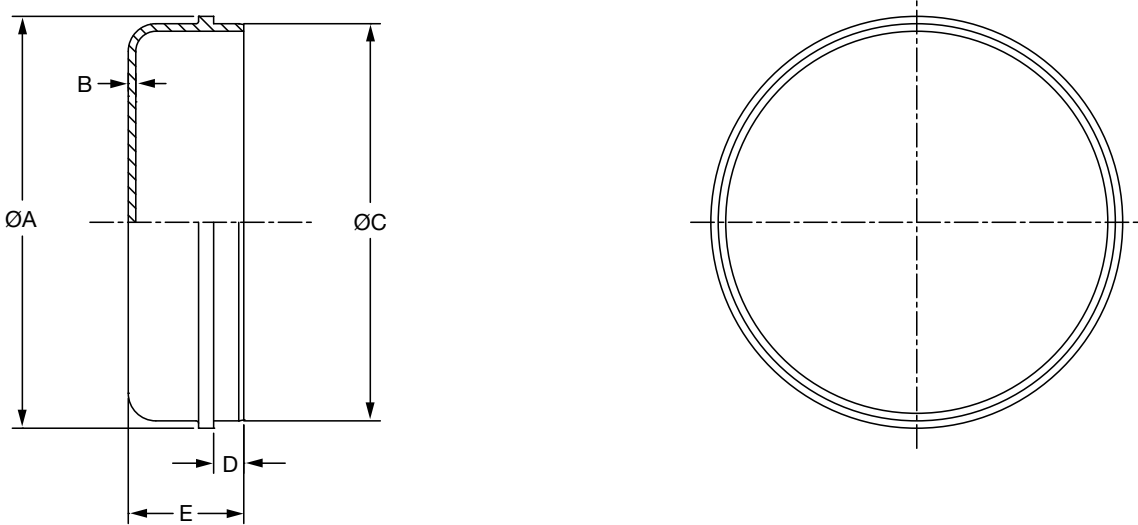
Series	Shaft Size	Weight lbs gm	A	C	D	E	F	G	H	I
	SXR, SXV									
203	1/2 & 5/8	0.02	1-51/64	2-13/64	1-3/16	1-41/64	51/64	1-29/64	15/16	1/4
	17mm	10	45.5	56.1	30.2	41.7	20.3	37.1	23.9	6.4
204	3/4	0.03	2-7/32	2-47/64	1-25/64	2-1/32	1-1/64	1-13/16	1-5/32	5/16
	20mm	15	56.1	69.6	35.3	51.6	25.7	45.7	29.5	7.9
205	7/8 - 1	0.05	2-3/8	3-3/64	1-19/32	2-5/32	1-1/64	1-53/64	1-11/64	11/32
	25mm	24	60.2	77.2	40.6	54.9	25.7	46.5	29.7	8.7
206	1-1/16 - 1-1/4	0.08	2-47/64	3-21/64	1-45/64	2-1/2	1-3/16	2-1/16	1-23/64	23/64
	30mm	36	69.3	84.3	43.2	63.5	30.2	52.3	34.5	8.9
207	1-1/4 - 1-7/16	0.12	3-1/4	3-27/32	1-31/32	3-1/64	1-11/32	2-11/32	1-17/32	3/8
	35mm	53	82.6	97.5	50.0	76.7	34.5	59.4	38.9	9.4
208	1-1/2	0.14	3-3/8	4.0	2-1/16	3-7/64	1-19/64	2-13/32	1-1/2	27/64
	40mm	64	85.9	101.6	52.3	79.0	33.0	61.0	38.1	10.7
209	1-5/8 - 1-3/4	0.16	3-11/16	4-17/64	2-11/64	3-13/32	1-23/64	2-21/64	1-17/32	25/64
	45mm	73	93.7	108.2	55.1	86.6	34.3	59.2	38.9	9.9
210	1-15/16 & 2	0.18	3-7/8	4-1/2	2-21/64	3-9/16	1-23/64	2-33/64	1-9/16	31/64
	50mm	82	98.6	114.3	59.2	90.9	34.3	63.8	39.6	12.4
211	2 - 2-3/16	0.24	4-27/64	5-1/16	2-19/32	4-1/8	1-29/64	2-37/64	1-21/32	29/64
	55mm	108	112.3	128.5	66.0	104.7	36.8	65.3	42.2	11.4
212	2-1/4 - 2-7/16	0.27	4-59/64	5-15/32	2-3/4	4-39/64	1-35/64	2-11/16	1-3/4	13/32
	60mm	124	125.0	138.7	69.9	117.1	39.1	68.3	44.5	10.4

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RELATED PRODUCTS

Eccentric Collar Ball Bearings
BALL BEARING END COVERS FOR MOUNTED UNITS 214 SERIES & LARGER



Series	Shaft Size	Part Number	Description
	SXR, SXV		
214	2-1/2 & 2-11/16 70mm	480037	EC-080
215	2-15/16 75mm	480455	EC-090
216	-----	480456	EC-100
218	-----	480457	EC-218

Series	Shaft Size	Weight lbs gm	A	B	C	D	E
	SXR, SXV						
214	2-1/2 & 2-11/16 70mm	0.33 151	4-15/16 125.4	3/32 2.4	4.741/4.737 120.4/120.3	3/16 4.8	1-13/32 35.7
215	2/15/16 75mm	0.36 154	5-1/8 130.2	3/32 2.4	4.944/4.940 125.6/125.5	3/8 9.5	1-7/16 36.5
216	-----	0.44 201	5-9/16 141.3	3/32 2.4	5.350/5.346 135.9/135.8	9/32 7.1	1-7/16 36.5
218	-----	0.57 257	6-5/16 160.3	3/32 2.4	6.100/6.096 154.9/154.8	3/8 9.5	1-9/16 39.7

NOTE: WILL NOT WORK WITH PILLOW-BLOCK HOUSINGS