

ECCENTRIC BALL BEARINGS

The First Choice to improve food safety and reliability

Eccentric lock ball bearings are ideal for food processing



The collar with an opposing cam on the inner ring fits eccentrically around the shaft with 360° contact. It's a stable system that equally distributes the pressure between the bearing and shaft, and tightens as the shaft rotates. This eliminates cracked inner rings from over-tensioned set screws.



- Available in all styles of housings and "insert only"
- Assembled in choice of three (3) housing materials:
 - Production cast 304 stainless
 - Machined stainless (USDA-accepted)
 - Polymer (USDA-accepted)
- All components are metal detectable stainless steel
- Wide inner ring for greater stability
- Options of grease or solid lubricants for a maintenance-free bearing



BY TIMKEN

EDT 'Choice' Series eccentric bearings address food safety concerns

EDT has bearing inserts for all kinds of requirements



VALUE SERIES
'4B'



CHOICE SERIES
'4U'



CLASSIC SERIES
'4Y'

Anti-rotation pin facilitates fit into almost every brand of housing



Sizes Available (Including some not found elsewhere)

Bearing Part No.	OD	Shaft Diameter
4U203	40 mm	1/2", 5/8"
4U204	48 mm	5/8", 3/4", 20 mm
4U205	52 mm	1", 25 mm
4U206	62 mm	1-3/16", 1-1/4", 30 mm
4U207	72 mm	1-1/4", 1-3/8", 1-7/16"
4U208	80 mm	1-1/2", 40 mm
4U209	85 mm	1-3/4", 45 mm
4U210	90 mm	1-15/16", 2", 50 mm
4U211	100 mm	2", 2-3/16"
4U212	110 mm	2-7/16"
4U214	125 mm	2-3/4"
4U215	130 mm	2-15/16", 3", 75 mm



EDT Lubricant Options



Lube	Bearing Material	Color	Temperature Range
G	NSF H1 food grade grease	White	32° to 280°F / 0° to 140°C
F	NSF H1 food grade polymer	White	-55° to 200°F / -48°C to 93°C
B	NSF H1 food grade polymer	White	-65° to 200°F / -54° to 93°C
I	Industrial grade polymer (EPL)	Gray	-25° to 350°F / -32° to 176°C
E	Industrial grade polymer	Gray	-55° to 215°F / -48°C to 102°C
K	NSF H1 food grade polymer	White	-25° to 350°F / -32° to 176°C
W	NSF H1 food grade graphite	Black	-150° to 250°F / -101° to 121°C
M	NSF H1 food grade graphite	Black	32° to 450°F / 0° to 232°C
T	NSF H1 food grade graphite	Black	40° to 650°F / 5° to 343°C



Step-by-step guide to installing eccentric ball bearings at:

www.edtcorp.com/docs/eccentric-install-chart.pdf



YouTube

Eccentric ball bearing installation at:
<https://youtu.be/5YEnGdCCjks>



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