

# RADIAL BALL BEARINGS

## EDT puts a new spin on unmounted ball bearings

Stainless deep groove ball bearings for your process equipment needs



- Engineered for better life in food processing environments
- Materials for most applications: 440C, 52100, NCS\* and 316 ss
- More metal components maximizes metal detection
- Available sealed, shielded, or open
- Stocked greased or solid lubricated

### EDT has your Solution<sup>®</sup> for Packaging Equipment:

DGBB's for Yamato Scales, Ossid Packaging Machines, PacMac Baggers



#### And others like:

- Bosch • Circle
- Eagle • Triangle



316 stainless R8-2 and 1616-2RS are ideal on dancer bars in food packaging



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\*NCS = Non-Corrosive Steel

# The EDT Radial Bearing Difference

More metal components for durability, corrosion resistance and metal detection

440C inner and outer race and balls

Available sealed, shielded or open

304-ss cage



Sizes include:

- 6000 series from 6000 to 6016
- 6200 series from 6200 to 6212
- 6300 series from 6300 to 6308
- 6800 series from 6800 to 6804
- 6900 series from 6900 to 6907
- 1600 series from 1602 to 1654
- R series from R4 to R24
- Other sizes upon request

Specify food grade grease or a solid lubricant

## Solid lubricants can significantly reduce the problems associated with maintaining grease

Solid lubricants help exclude contaminants from interfering with rolling activity by filling the area around the balls. Choose lubrication based on the environment. Consider: moisture, contamination, temperature, requirement for low friction



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

Note: solid lubrication reduces the speed capacity compared to greased bearings  
EDT offers EGL solid lubricants that can operate in a vacuum

EDT Radial Bearings significantly reduce your cost of ownership with a longer lifespan, reduced maintenance and fewer change-outs

Compare the Costs of Ownership of EDT radial ball bearings	Original bearing	EDT bearing	
	52100	440C ss	316 ss
	Replace every 4 weeks	Replace every 6 months	
Bearing cost	\$8.00	\$45.00	\$32.00
Installation: ½ hr x \$35/hr	\$17.50	\$17.50	\$17.50
Cost of 1 bearing in location	\$25.50	\$62.50	\$49.50
Total bearings per year	___ x 13	___ x 2	___ x 2
Yearly cost for bearings in 1 location	\$331.50	\$125.00	\$99.00
	Original bearing cost less EDT bearing cost	\$331.50	\$331.50
	1 YEAR SAVINGS per location x locations per machine	- \$125.00	- \$99.00
		<b>\$206.50</b>	<b>\$232.50</b>
		x 10	x 32
<b>1 YEAR SAVINGS PER MACHINE</b>		<b>\$2,065.00</b>	<b>\$7,440.00</b>

## Options for eliminating ball bearings and all lubrication

For locations where ball bearings are problematic and require frequent change-out like:

- Partial rotation or oscillating motion
- Low to moderate speed
- Wash-down or process moisture
- High or low temperature
- In contact with edible product

Consider EDT's Radial Poly-Round® bearings:

- 316 ss and engineered polymer with no rolling elements
- Grease-less
- Excellent corrosion resistance
- Long bearing life without maintenance
- Excellent ROI with highest levels of sanitation



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