

EDT's standard ball bearing inventory is stainless steel. For extreme applications where stainless is not required and/or is not advantageous, 52100 steel bearings are available. 52100 steel non-corrosive treated inserts operate at higher loads and speeds than stainless steel.



Stainless ball bearings can RUST since the balls and races are made of 400-series (hardenable) stainless steel. High concentrations of cleaning solutions as well as other strong chemicals will speed up the corrosion process.

EDT plane bearings are fully non-corrosive alternatives to ball bearings for many locations except high tension, high speed, overhung loads, and trunnions.

**Choose the optimum ball bearing for your application!
Part Numbering of EDT ball bearings**



Material of ball bearing	Lubricant details	Insert part number (example: 52 mm OD x 1" ID)	Housing part number (example 1" in EDT polymer pillow block)
400-series ss	Food grade grease, regreaseable, temps 40° to 240°F (ZY)	205-16	ZY1GC8-1
400-series ss	Solid lubricated with polymer – based lube (ZJ)	205-16-J	ZJ1GC8-1
400-series ss	Solid lubricated with low-temp polymer-based lube (ZB)	205-16-B	ZB1GC8-1
400-series ss	Solid lubricated, low friction & chemical resistance -250° to +250°F (ZW)	205-16-W	ZW1GC8-1[^]
400-series ss	Solid lubricated, low friction & chemical resistance +250° to +450°F (ZM)	205-16-M	ZM1GC8-1[^]
400-series ss	Solid lubricated, low friction & chemical resistance +450° to +650°F (ZT)	205-16-T	ZT1GC8-1[^]
300-series ss	Food grade grease, relubricatable, temps 40° to 240°F (ZY)	205-16-3	ZY1GC83-1
300-series ss	Solid lubricated with polymer-based lube (ZJ)	205-16-3J	ZJ1GC83-1
Non-corrosive treated steel	Solid lubricated for low friction, -250° to +250°F (ZCW)	205-16C-W*	ZCW1GC8-1[^]
Non-corrosive treated steel	Solid lubricated for low friction +250° to +450°F (ZCM)	205-16C-M*	ZCM1GC8-1[^]
Non-corrosive treated steel	Solid lubricated for low friction, +450° to +650°F (ZCT)	205-16C-T*	ZCT1GC8-1[^]
Steel	Solid lubricated for low friction, +450° to +650°F (ZFM)	205-16F-M	ZFM1GC8-1[^]
Steel	Solid lubricated for low friction, +450° to +650°F (ZFT)	205-16F-T	ZFT1GC8-1[^]

*Additional moisture protection available. Indicate with "P" suffix (example ZCM1GC8-1P).

[^]If operating in a vacuum, indicate with "V" suffix (example ZCM1GC8-1V).