

EDT's stainless ball bearing line up expands...
**SOLUTION BALL BEARINGS FOR EQUIPMENT
 ALL AROUND THE PROCESS FLOOR**

3 kinds of ball bearings available in polymer or stainless housings



Value Ball Polymer



Choice Ball Polymer



Classic Ball Polymer



Value Ball Cast Stainless



Choice Ball Cast Stainless



Classic Ball Cast Stainless

Select the style that fits your needs and budget



Choice Ball Machined Stainless



Classic Ball Machined Stainless

- Corrosion resistant units designed to withstand harsh processing environments
- Good availability either greased or solid lubricated
- Select ball bearings for applications that include:
 - Flat- or v-belt tensioned drives
 - Curved conveyors
 - Side flexing tabletop chain
 - Direct motor drives
 - High-speed shafts
 - Overhung load



EDT presents Ball Bearings for the Process Floor

1 Select the bearing that fits your needs

All stainless construction for superior corrosion resistance



Value Ball '4B'

- Economical
- Normal duty applications on the process floor
- Setscrew locking yields the narrowest length-thru bore



Choice Ball '4U'

- Great price to performance with positive locking system
- Normal to tough duty applications where 'staying power' is desired
- Eccentric self-locking collar eliminates problem of cracked inner rings caused by overtightening setscrews that loosen over time



Classic Ball '4Y'

- Longer bearing life with customizable seals, shields, and lube configurations
- Extreme duty applications including where maintaining grease is problematic
- Setscrew locking yields the narrowest length-thru bore

2 Select the lube that's right for your application

All EDT stainless bearings come standard with food grade grease



Food Grade Grease 'G'

- Mobil Grease FM222
- Multi-purpose water-resistant grease with rust inhibitors
- H1 rated
- Re-greaseable
- Protected by seals and flingers



Food Grade Solid Lube 'F'

- An EDT Polymer lubricant (EPL)
- Food grade oil-permeated polymer utilizing high performance synthetic lubricants
- Withstands and inhibits corrosion from moisture and wash-down
- H1 rated
- 100% fill keeps contaminants out
- Never requires re-lubrication
- Protected by seals and flingers*

*4B insert with EPL is flush filled on one (1) side; front has seal and flinger



Additional Solid Lubricants

Are available for operating conditions such as:

- Non-food grade
- H1 rated or H2 rated
- High temperature (to 650°F)
- Low temperature (to -250°F)
- Vacuum

Lubricant is indicated by last 2 digits of part number. On charts, change 'GX' to 'FX' to indicate 'F' solid lube with seals and flingers

3 Select the housing you need

KG Polymer 'G'



- Stronger and more resistant to process chemicals than injection molded housings
- Smooth, solid construction designed with highest levels of sanitation in mind
- USDA/NSF accepted

304 Cast Stainless Steel 'P'



- Very corrosion resistant
- Durable, functional, directly interchangeable US-standard dimensions
- Great price to performance

304 Machined Stainless Steel 'A'



- Very corrosion resistant
- Made from solid stainless steel designed for highest levels of sanitation
- USDA/NSF accepted
- Stronger than cast stainless

4 Select the style you need

Find the correct shaft size, check the critical dimensions for fit, and identify the part number of the mounted bearing you want.

		1 Series										M																		
Ring	Shaft Size	Value Ball		Choice Ball			Classic Ball			Z		V		Q		R		P min		P max		T		G		P		A		
		Polymer	SS	Polymer	SS	Machined SS	Polymer	SS	Machined SS	G	P	A	G	P	A	G	P	A	G	P	A	Bolt Dia.	B/Y	U	B/Y	U	B/Y	U		
204	5/8	4B1GB8-10GX	4B1PB8-10GX	4U1GB8-10GX	4U1PB8-10GX	4U1AB8-10GX	4Y1GB8-10GX	4Y1PB8-10GX	4Y1AB8-10GX	1.31	2.69	2.56	2.56	5.25	5.00	1.38	1.50	1.13	3.25	3.37	3.25	4.38	4.11	3/8	1.41	1.74	1.47	1.8	1.28	1.61
	3/4	4B1GB8-12GX	4B1PB8-12GX	4U1GB8-12GX	4U1PB8-12GX	4U1AB8-12GX	4Y1GB8-12GX	4Y1PB8-12GX	4Y1AB8-12GX	1.31	2.69	2.56	2.56	5.25	5.00	1.38	1.50	1.13	3.25	3.37	3.25	4.38	4.11	3/8	1.41	1.74	1.47	1.8	1.28	1.61
205	1	4B1GC8-16GX	4B1PC8-16GX	4U1GC8-16GX	4U1PC8-16GX	4U1AC8-16GX	4Y1GC8-16GX	4Y1PC8-16GX	4Y1AC8-16GX	1.44	2.94	2.81	2.81	5.50	5.00	1.50	1.50	1.13	3.44	3.76	3.44	4.63	4.51	3/8	1.47	1.75	1.53	1.81	1.34	1.62
	25mm	4B1GC8-25MGX	4B1PC8-25MGX	4U1GC8-25MGX	4U1PC8-25MGX	4U1AC8-25MGX	4Y1GC8-25MGX	4Y1PC8-25MGX	4Y1AC8-25MGX	1.44	2.94	2.81	2.81	5.50	5.00	1.50	1.50	1.13	3.44	3.76	3.44	4.63	4.51	3/8	1.47	1.75	1.53	1.81	1.34	1.62
206	1-3/16	4B1GD8-19GX	4B1PD8-19GX	4U1GD8-19GX	4U1PD8-19GX	4U1AD8-19GX	4Y1GD8-19GX	4Y1PD8-19GX	4Y1AD8-19GX	1.69	3.38	3.25	3.25	6.25	6.42	1.75	1.89	1.47	4.13	4.36	4.13	5.13	5.02	1/2	1.75	2.07	1.82	2.14	1.6	1.92
	1-1/4	4B1GD8-20GX	4B1PD8-20GX	4U1GD8-20GX	4U1PD8-20GX	4U1AD8-20GX	4Y1GD8-20GX	4Y1PD8-20GX	4Y1AD8-20GX	1.69	3.38	3.25	3.25	6.25	6.42	1.75	1.89	1.47	4.13	4.36	4.13	5.13	5.02	1/2	1.75	2.07	1.82	2.14	1.6	1.92
207	1-1/4	4B1GE8-20GX	4B1PE8-20GX	4U1GE8-20GX	4U1PE8-20GX	4U1AE8-20GX	4Y1GE8-20GX	4Y1PE8-20GX	4Y1AE8-20GX	1.88	3.88	3.75	3.75	6.56	6.56	1.75	1.89	1.47	4.69	4.67	4.69	5.44	5.33	1/2	1.88	2.15	1.95	2.22	1.73	2.00
	1-7/16	4B1GE8-23GX	4B1PE8-23GX	4U1GE8-23GX	4U1PE8-23GX	4U1AE8-23GX	4Y1GE8-23GX	4Y1PE8-23GX	4Y1AE8-23GX	1.88	3.88	3.75	3.75	6.56	6.56	1.75	1.89	1.47	4.69	4.67	4.69	5.44	5.33	1/2	1.88	2.15	1.95	2.22	1.73	2.00
208	1-1/2	4B1GF8-24GX	4B1PF8-24GX	4U1GF8-24GX	4U1PF8-24GX	4U1AF8-24GX	4Y1GF8-24GX	4Y1PF8-24GX	4Y1AF8-24GX	2.13	4.31	3.86	4.19	7.25	7.25	1.94	2.13	1.63	5.00	5.07	5.00	6.13	5.72	1/2	2.16	2.34	2.26	2.44	2.00	2.18


		2 Series										M																	
Ring	Shaft Size	Value Ball		Choice Ball			Classic Ball			V		P		Q		R		N		T		G		P		A			
		Polymer	SS	Polymer	SS	Cast SS	Polymer	SS	Machined SS	G	P	A	G	P	A	G	P	A	G	P	A	Bolt Dia.	B/Y	U	B/Y	U	B/Y	U	
204	5/8	4B2GB8-10GX	4B2PB8-10GX	4U2GB8-10GX	4U2PB8-10GX	4U2AB8-10GX	4Y2GB8-10GX	4Y2PB8-10GX	4Y2AB8-10GX	4.41	4.45	4.41	3.53	2.69	2.36	2.42	0.95	1.00	0.95	0.44	0.44	3/8"	1.31	1.64	1.31	1.64	1.31	1.64	
	3/4	4B2GB8-12GX	4B2PB8-12GX	4U2GB8-12GX	4U2PB8-12GX	4U2AB8-12GX	4Y2GB8-12GX	4Y2PB8-12GX	4Y2AB8-12GX	4.41	4.45	4.41	3.53	2.69	2.36	2.42	0.95	1.00	0.95	0.44	0.44	3/8"	1.31	1.64	1.31	1.64	1.31	1.64	
205	1	4B2GC8-16GX	4B2PC8-16GX	4U2GC8-16GX	4U2PC8-16GX	4U2AC8-16GX	4Y2GC8-16GX	4Y2PC8-16GX	4Y2AC8-16GX	4.77	5.11	4.89	3.89	2.93	2.68	2.66	0.99	1.06	0.97	0.50	0.51	0.50	7/16"	1.41	1.69	1.41	1.69	1.41	1.69
	25mm	4B2GC8-25MGX	4B2PC8-25MGX	4U2GC8-25MGX	4U2PC8-25MGX	4U2AC8-25MGX	4Y2GC8-25MGX	4Y2PC8-25MGX	4Y2AC8-25MGX	4.77	5.11	4.89	3.89	2.93	2.68	2.66	0.99	1.06	0.97	0.50	0.51	0.50	7/16"	1.41	1.69	1.41	1.69	1.41	1.69
206	1-3/16	4B2GD8-19GX	4B2PD8-19GX	4U2GD8-19GX	4U2PD8-19GX	4U2AD8-19GX	4Y2GD8-19GX	4Y2PD8-19GX	4Y2AD8-19GX	5.72	5.83	5.59	4.60	3.63	3.15	3.12	1.07	1.22	1.07	0.50	0.51	0.50	7/16"	1.53	1.85	1.58	1.90	1.53	1.85
	1-1/4	4B2GD8-20GX	4B2PD8-20GX	4U2GD8-20GX	4U2PD8-20GX	4U2AD8-20GX	4Y2GD8-20GX	4Y2PD8-20GX	4Y2AD8-20GX	5.72	5.83	5.59	4.60	3.63	3.15	3.12	1.07	1.22	1.07	0.50	0.51	0.50	7/16"	1.53	1.85	1.58	1.90	1.53	1.85
207	1-1/4	4B2GE8-20GX	4B2PE8-20GX	4U2GE8-20GX	4U2PE8-20GX	4U2AE8-20GX	4Y2GE8-20GX	4Y2PE8-20GX	4Y2AE8-20GX	6.25	6.34	6.25	5.12	4.00	3.54	3.62	1.22	1.34	1.22			0.56	1/2"	1.79	2.06	1.75	2.02	1.79	2.06
	1-7/16	4B2GE8-23GX	4B2PE8-23GX	4U2GE8-23GX	4U2PE8-23GX	4U2AE8-23GX	4Y2GE8-23GX	4Y2PE8-23GX	4Y2AE8-23GX	6.25	6.34	6.25	5.12	4.00	3.54	3.62	1.22	1.34	1.22			0.56	1/2"	1.79	2.06	1.75	2.02	1.79	2.06
208	1-1/2	4B2GF8-24GX	4B2PF8-24GX	4U2GF8-24GX	4U2PF8-24GX	4U2AF8-24GX	4Y2GF8-24GX	4Y2PF8-24GX	4Y2AF8-24GX	6.78	6.89	6.78	5.66	4.56	3.94	4.00	1.24	1.42	1.24			0.56	1/2"	1.96	2.14	2.02	2.20	1.96	2.14

		3 Series										M																	
Ring	Shaft Size	Value Ball		Choice Ball			Classic Ball			Z		V		P		Q		R		T (Bolt Dia.)		G		P		A			
		Polymer	SS	Polymer	SS	Machined SS	Polymer	SS	Machined SS	G	P	A	G	P	A	G	P	A	G	P	A	Bolt Dia.	B/Y	U	B/Y	U	B/Y	U	
204	5/8	4B3GB8-10GX	4B3PB8-10GX	4U3GB8-10GX	4U3PB8-10GX	4U3AB8-10GX	4Y3GB8-10GX	4Y3PB8-10GX	4Y3AB8-10GX	1.68	1.69	1.69	4.34	4.25	4.25	1.50	2.56	2.50	2.50	0.95	0.94	0.95	3/8	1.31	1.64	1.31	1.64	1.31	1.64
	3/4	4B3GB8-12GX	4B3PB8-12GX	4U3GB8-12GX	4U3PB8-12GX	4U3AB8-12GX	4Y3GB8-12GX	4Y3PB8-12GX	4Y3AB8-12GX	1.68	1.69	1.69	4.34	4.25	4.25	1.50	2.56	2.50	2.50	0.95	0.94	0.95	3/8	1.31	1.64	1.31	1.64	1.31	1.64
205	1	4B3GC8-16GX	4B3PC8-16GX	4U3GC8-16GX	4U3PC8-16GX	4U3AC8-16GX	4Y3GC8-16GX	4Y3PC8-16GX	4Y3AC8-16GX	1.81	4.75	4.72	4.75	1.63		2.75	0.99	1.00	0.97			3/8	1.42	1.7	1.43	1.71	1.42	1.7	
	25mm	4B3GC8-25MGX	4B3PC8-25MGX	4U3GC8-25MGX	4U3PC8-25MGX	4U3AC8-25MGX	4Y3GC8-25MGX	4Y3PC8-25MGX	4Y3AC8-25MGX	1.81	4.75	4.72	4.75	1.63		2.75	0.99	1.00	0.97			3/8	1.42	1.7	1.43	1.71	1.42	1.7	
206	1-3/16	4B3GD8-19GX	4B3PD8-19GX	4U3GD8-19GX	4U3PD8-19GX	4U3AD8-19GX	4Y3GD8-19GX	4Y3PD8-19GX	4Y3AD8-19GX	2.06	5.44	5.38	5.38	1.88		3.25	3.13	3.12	1.07	1.06	1.07	3/8	1.53	1.85	1.58	1.90	1.53	1.85	
	1-1/4	4B3GD8-20GX	4B3PD8-20GX	4U3GD8-20GX	4U3PD8-20GX	4U3AD8-20GX	4Y3GD8-20GX	4Y3PD8-20GX	4Y3AD8-20GX	2.06	5.44	5.38	5.38	1.88		3.25	3.13	3.12	1.07	1.06	1.07	3/8	1.53	1.85	1.58	1.90	1.53	1.85	
207	1-1/4	4B3GE8-20GX	4B3PE8-20GX	4U3GE8-20GX	4U3PE8-20GX	4U3AE8-20GX	4Y3GE8-20GX	4Y3PE8-20GX	4Y3AE8-20GX	2.38	2.37	2.38	6.19	6.00	6.00	2.00	3.81	3.63	3.63			1.22	1/2	1.79	2.06	1.75	2.02	1.79	2.06
	1-7/16	4B3GE8-23GX	4B3PE8-23GX	4U3GE8-23GX	4U3PE8-23GX	4U3AE8-23GX	4Y3GE8-23GX	4Y3PE8-23GX	4Y3AE8-23GX	2.38	2.37	2.38	6.19	6.00	6.00	2.00	3.81	3.63	3.63			1.22	1/2	1.79	2.06	1.75	2.02	1.79	2.06


6 Series											M											
Ring	Shaft Size	Value Ball		Choice Ball			Classic Ball			V	P	Q	R	N	T	Bolt Dia.	G		P		A	
		Polymer	SS	Polymer	SS	Machined SS	Polymer	SS	Machined SS								B/Y	U	B/Y	U	B/Y	U
204	5/8	4B6GB8-10GX	4B6PB8-10GX	4U6GB8-10GX	4U6PB8-10GX	4U6AB8-10GX	4Y6GB8-10GX	4Y6PB8-10GX	4Y6AB8-10GX	3.56	2.81	2.42	0.86	0.42	5/16	1.22	1.55	N/A	N/A	1.22	1.55	
	3/4	4B6GB8-12GX	4B6PB8-12GX	4U6GB8-12GX	4U6PB8-12GX	4U6AB8-12GX	4Y6GB8-12GX	4Y6PB8-12GX	4Y6AB8-12GX													
	20mm	4B6GB8-20MGX	4B6PB8-20MGX	4U6GB8-20MGX	4U6PB8-20MGX	4U6AB8-20MGX	4Y6GB8-20MGX	4Y6PB8-20MGX	4Y6AB8-20MGX													
205	1	4B6GC8-16GX		4U6GC8-16GX		4U6AC8-16GX	4Y6GC8-16GX		4Y6AC8-16GX	3.75	3.00	2.72	0.81	0.42	5/16	1.24	1.52	N/A	N/A	1.28	1.56	
	25mm	4B6GC8-25MGX		4U6GC8-25MGX		4U6AC8-25MGX	4Y6GC8-25MGX		4Y6AC8-25MGX													
206	1-3/16	4B6GD8-19GX		4U6GD8-19GX		4U6AD8-19GX	4Y6GD8-19GX		4Y6AD8-19GX	4.44	3.56	3.09	0.96	0.47	3/8	1.43	1.75	N/A	N/A	1.43	1.75	
	1-1/4	4B6GD8-20GX		4U6GD8-20GX		4U6AD8-20GX	4Y6GD8-20GX		4Y6AD8-20GX													
	30mm	4B6GD8-30MGX		4U6GD8-30MGX		4U6AD8-30MGX	4Y6GD8-30MGX		4Y6AD8-30MGX													
207	1-1/4	4B6GE8-20GX		4U6GE8-20GX		4U6AE8-20GX	4Y6GE8-20GX		4Y6AE8-20GX	4.94	3.94	3.5	0.96	0.5	3/8	1.56	1.83	N/A	N/A	1.56	1.83	
	1-7/16	4B6GE8-23GX		4U6GE8-23GX		4U6AE8-23GX	4Y6GE8-23GX		4Y6AE8-23GX													

EDT has ball bearings for all around the process floor

HOT OR COLD



**Classic Ball Machined SS
with solid lube on oven input**



**Classic Ball Stainless
with solid lube in freezer**

DRUM-DRIVEN BELTS



**Choice Ball Machined SS
on drive roller**



**Value Ball Polymer
on flat belt drum**

OVER PRODUCT ZONE



**Value Ball Polymer
on timing belt**



**Classic Ball Machined SS
with solid lube over
cheese shredding**

- At www.edtcorp.com, find:
- Technical information about bearings
 - Installation and maintenance instructions (User Handbook)
 - Bearing Design Checklist for assistance with your specific application
 - Additional copies of this and other materials



BY TIMKEN