



Thomson Precision Ball

Overview of Standard and Custom Precision Balls



Quality Ball Technology From Thomson: FAST

Thomson Precision Ball offers the finest in quality ball technology with fast delivery times. The Thomson Precision Ball A2LA (ISO 17025) accredited calibration laboratory ensures unparalleled quality with a unique blend of metrology services. We can leverage over 70 years of application experience and prototyping to provide the right standard or custom solution to your project. And, we are ISO 9001:2000 registered to ensure consistency and quality in all operations.

We offer ball sphericity within 3 millionths of an inch (0.077 micron), 100% quality inspection, and a choice of over 27 high performance materials—all guaranteed to meet or exceed the standards of the ISO 3290. Look below for a partial list of our most common products. Many other precision ball materials are also available upon request.

Material Type	Size Range	Grade Range	Standard	Delivery Time	Applications
Carbon	1/16" - 1"	100-1000 and burnishing media	Grade 200	1-6 weeks	<ul style="list-style-type: none"> Inexpensive bearings Drawer slides Casters Ball transfer units Conveyers
Chrome Steel (52100)	1/16" - 3"	5-1000 and burnishing media	Grade 10 and 25	Stock-6 weeks	<ul style="list-style-type: none"> Bearings, Ball screws Automotive (transmission, steering, anti-lock brakes) Valves Couplings Locks Slides Conveyers
Stainless Steel (440C, 420)	.012 - 3"	5-100 and burnishing media	Grade 25	Stock-6 weeks	<ul style="list-style-type: none"> Bearings Ball screws Automotive (transmission, steering, ABS, seat belts, fuel injectors)
Stainless Steel (302, 316, 430)	1mm - 1"	100-1000 and burnishing media	Grade 100	Stock-6 weeks	<ul style="list-style-type: none"> Valves Couplings Detent balls Locks Vent ball Mixing balls (soap dispensers, cosmetics) Ball transfer units Plug balls Pumps Slides Disk drives Pump sprays
Ceramic (silicon nitride)	1mm - 2"	3-25	Grade 5	2-10 weeks	<ul style="list-style-type: none"> High end bearings Ball screws Valves Aero space bearings Windmill bearings Used where high wear, corrosion resistant, high temp and no lubrication needed.
Titanium	1mm - 3/8"	25-200	Grade 200	Stock-8 weeks	<ul style="list-style-type: none"> Body Jewelry Light weight applications Corrosion resistant cable ends
Brass	1/16" - 1"	200-1000	Grade 200	2-6 weeks	<ul style="list-style-type: none"> Marine applications Bearings Valves Check balls Can be silver plated as electrical contact balls
Tungsten Carbide	1/16" - 1"	5-200	Grade 25	4-8 weeks	<ul style="list-style-type: none"> High hardness applications Test balls for Rockwell testers
Monel and K-Monel	3/32" - 7/16"	100-200	Grade 100	6-10 weeks	<ul style="list-style-type: none"> Corrosion resistant applications such as marine and nuclear Valves & check valves
Glass	1/8" - ?"	100-1000	Grade 100	6-10 weeks	<ul style="list-style-type: none"> Specialty bearing Mixing balls Pump sprays
Hollow Stainless Steel	5/8" - 2"	200-1000	Grade 200	1" stk 6-8 weeks all others	<ul style="list-style-type: none"> Light weigh corrosion resistant applications Ball transfer units for aircraft Check valves Float balls

Other precision ball materials available upon request.

Quick Quote Form

To receive your quote, please complete this form and fax it to us at: 540-639-4162. You can also email the information requested in this quote to thomson@thomsonlinear.com or call our customer service group at 540-633-3549.

	QUOTE 1	QUOTE 2	QUOTE 3	QUOTE 4
Material Type				
Size				
Grade				
Quantity				
Estimated Annual Usage				
Other Specifications				

Please provide detailed contact information in case we need clarifications on your quote:

Name: _____

Title: _____

Company: _____

Address: _____

City: _____ State: _____ ZIP: _____ Country: _____

Phone: _____

Fax: _____

E-mail: _____

Local Sales Agents are also available at:

Ohio, Indiana, Kentucky and West Virginia

Boberschmidt & Associates

E-mail: lbober@cinci.rr.com

Phone: (513) 225-7957

Michigan

Interlake Products Inc

E-mail: interlakeprod@aol.com

Phone: (586) 294-7440

California

Nebco Sales

E-mail: CecilMarkley@nebcosales.com

Phone: (925) 426-8131

Illinois and Wisconsin

Newtek Engineered Sales Corp

E-mail: nweibye@newtek-sales.com

Phone: (630) 947-4211

Texas, Louisiana, Arkansas, and Oklahoma

Premier Components

E-mail: ctudyk@premiercomponents.com

Phone: Phone: (512) 244-3622

Pennsylvania, New Jersey, Maryland, and Delaware

Rolled Steel Products

E-mail: terry@rolledsteelproducts.com

Phone (610) 647-6264

North and South Carolina

Vander Kaay and Associates

E-mail: rgvk@bellsouth.net

Phone: (704) 650-1659

For immediate assistance:

Thomson Customer Service

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