



Helping you build a better machine, faster.

Thomson Precision Balls

Overview of Standard and Custom Precision Balls



Quality Ball Technology From Danaher Motion: FAST

Thomson Precision Balls offer the finest in quality ball technology and fast delivery times. Our A2LA accredited calibration laboratory ensures unparalleled quality with a unique blend of metrology services. We can leverage over 45 years of application experience and rapid 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 American Bearing Manufacturers Association (ANSI/ABMA Std. 10- 1989). Below is a list of our most common products. Many other materials are available.

Material Type	Size Range	Grade Range	Standard	Delivery Time	Applications
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.
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
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
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
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
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
Glass	1/8" - ?"	100-1000	Grade 100	6-10 weeks	<ul style="list-style-type: none"> • Specialty bearing • Mixing balls • Pump sprays

Other precision ball materials available upon request.

Quick Quote Form

To receive your quote, please complete this form and fax it to us at: 1-540-639-4162. You can also email the information requested in this quote to BALLRFQS@DANAHERMOTION.COM or call our customer service group at 1-540-633-3400.

	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: _____

For immediate assistance:

Danaher Motion Customer Service

E-mail: ballrfqs@danahermotion.com
Phone: 540-633-3580 / 540-633-3418
Fax: 540-639-4162
203A West Rock Road
Radford, VA 24141 USA

Local Sales Agents are also available at:

**Connecticut, Rhode Island, Massachusetts,
New Hampshire, Vermont and Maine**

GMR
E-mail: gerestelli@snet.net
Phone: 860-485-0732
Fax: 860-485-0732

New York, Western Pennsylvania and Northern New Jersey

Eastern Technologies
Email: jfcook@mindspring.com
Phone: 919-870-5105
Fax: 919-870-8207

Eastern Pennsylvania, Southern New Jersey

Maryland and Delaware
C Warner Smith & Associates
E-mail: vze587hb@verizon.net
Phone: 610-687-0750
Fax: 610-687-3650

Virginia, North and South Carolina

Niche International, LLC
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Phone: 443-283-1435
Fax: 410-994-5956

Alabama, Georgia, Mississippi, Tennessee and Florida

Modern Sales, Inc.
E-mail: tad@modernsales.com
Phone: 205-999-8561
Fax: 205-870-7558

Indiana, Kentucky and West Virginia

Boberschmidt & Associates
E-mail: lbober@cinci.rr.com
Phone: 513-831-7722
Fax: 513-248-3304

Illinois and Wisconsin

Rice Marketing Group, Inc.
E-mail: rmginc1@comcast.net
Phone: 847-428-0455
Fax: 847-428-0844

Michigan, Ohio and Ontario

Interlake, Products Inc
E-mail: interlakeprod@aol.com
Phone: 586-294-7440
Fax: 586-294-9415

Missouri, Kansas, Iowa and Nebraska

Motion Products, Inc.
E-mail: motnprod@planetkc.com
Phone: 913-649-1100
Fax: 913-649-6254

Texas, Louisiana, Arkansas and Oklahoma

Premier Components
E-mail: lburnett@premiercomponents.com
Phone: 512-244-3622
Fax: 512-244-3868

Arizona and New Mexico

Van Dahl Engineering & Sales
E-mail: peter@vandahl.com
Phone: 480-595-0252
Fax: 480-595-0377

California

Nebco Sales
E-mail: bobnebozuk@nebcosales.com
Phone: 925-426-8131
Fax: 925-426-2393