

RBC Offers Thin Section Bearings

Date: 06-13-2007 03:23 PM CET

Category: [Industry, Real Estate & Construction](#)

Press release from: [RBC Bearings](#)

RBC Bearings Incorporated offers a series of thin section ball bearings, which are engineered for applications requiring less weight, less geometric space, and higher stiffness than conventional bearings.

Generally, a thin section bearing has a bore diameter greater than four times the radial cross section. RBC's standard thin section bore sizes range from 1" to 40" and in 7 cross sections from 3/16" to 1". Additionally, RBC specializes in custom bearings to solve specific application challenges.

The new bearings are also available in metric sizes and in radial, angular, and 4-point contact designs. Customers may specify a variety of seals, separators, and different materials such as SAE 52100 steel, 440C stainless steel, and 17-4 stainless steel. Special ball materials available include 440C stainless steel, silicon nitride (ceramic), and M-50 steel. Further, special coatings, including thin dense chrome, are available for enhanced corrosion resistance. RBC thin section bearings are offered in precision classes ABEC-1 through ABEC-7.

According to the company, typical applications for RBC's thin section bearings include semiconductor manufacturing equipment, aerospace equipment and components, antenna pedestals, construction equipment, harmonic drives, specialized industrial machinery, material handling mechanisms, metalworking machine tools, medical equipment, military turrets, optical equipment, packaging machinery, radar equipment, robotics, rotary joints, satellite systems, slip ring assemblies, speed reducers, and textile machinery.

RBC Bearings – supported by a global network of sales engineers, distributors, and authorized agents – are used in a variety of applications throughout the aerospace, construction, mining, packaging, transportation, off-highway, agricultural, robotics and automation, material handling, and semiconductor equipment industries. There are currently 18 RBC Bearings manufacturing locations throughout North America and Europe.

For more information about RBC's thin section ball bearings, including separators, lubrication requirements, seals, load ratings, speed capacities, tolerances, mountings, recommended fits, or a custom bearing need contact RBC customer service at 800.390.3300, or www.rbcbearings.com

About RBC Bearings

Headquartered in Oxford, Connecticut, RBC Bearings Incorporated is an international manufacturer and marketer of highly engineered precision bearings and components. Founded in 1919, the Company is primarily focused on producing highly technical or regulated bearing products requiring sophisticated design, testing, and manufacturing capabilities for the diversified industrial, aerospace and defense markets. Principal bearing product lines include: Spherical plain bearings, ball bearings, rod ends, custom-engineered bearings and much more. For more information, please visit www.rbcbearings.com.

###

Contact:

Wade Costello

RBC Bearings

1 Tribology Center

Oxford, CT 06478

wcostello@rbcbearings.com

203.267.7001

www.rbcbearings.com

[You can find this press release here](#)