



Dear Customer,

RBC produces a wide range of needle ball bearings in imperial dimensions, with or without an internal ring, open or closed.

Needle ball bearings are in fact cylindrical rollers, which are long and thin in relation to their diameter, hence the reason they are called needles.

These ball bearings have a high load capacity despite a small cross-section and are therefore perfectly suited to a limited radial space.

The use of tandem type needle ball bearings is recommended to further increase load capacity from 10 to 40% and increase its life span from 37% to 200%.

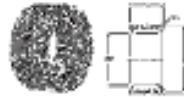
All of these ball bearings are easy to assemble.

You can directly consult our website to check the availability of a product, its price even order one at [www.rbcfrance.com](http://www.rbcfrance.com) in the e-shop section

**Ask for our free catalog :**



**RBC France :** an international partner with a team ready to assist you !



SJ Pitchlign® Series



With Seals



Inner Rings



TJ TandemRoller® Bearings

## Product of the month NEEDLE BEARINGS

- sizes from 1 to 12 1/4 inches (outer rings)
- 8 possible seal configurations
- « SJ » Pitchlign series, sealed and unsealed configurations and matching inner ring
- « IR » series (inner rings) only or matching with SJ and TJ bearings
- « TJ » Tandem series with double row of needles and also matching with IR series

### Applications :

Helicopter rotors and transmissions,  
Marine crankshafts and connecting rods,  
Gear pumps,  
Oil field pumping jacks,  
Mud pumps, etc ...

Metric sizes or double row of needles possible on specific request and if important quantity.

**Interchangeability McGill & Torrington**

### RBC France also manufactures :

- ITB thin section ball bearings
- RBC needle bearings
- Microlinea miniature linear bearings
- MPS and RBC ball screws
- Bianchi TAS universal joints and cardan shafts
- ADAX et RBC needles, pins, rollers and shafts
- ORS ball bearings in chromium steel
- RMB & EZO miniature ball bearings
- UNIBAL, HEIM, HIRSCHMANN rod ends
- SCHAUBLIN collets and toolholders

Are you working on a project?  
Do you have any special requests?  
**Do not hesitate to contact us!**

