



WBM Cylindrical roller diameter range from 20 to 120mm .Widely used in industrial and wind-power bearings.

Cylindrical rollers are engineering parts commonly used in rolling bearings. Its shape is similar to a cylinder, usually with a flat bottom and cylindrical sides, which sometimes have grooves or ridges to increase the contact area with other parts or improve its performance. The diameter and length of cylindrical rollers can be designed and manufactured according to the requirements of the specific application.

**Cylindrical rollers offer many advantages, some of which include:**

- 1.High load-bearing capacity: The design of cylindrical rollers enables them to withstand large radial loads and axial loads, so they perform excellently in terms of load-bearing capacity.
- 2.High rotational speed capability: Compared with other rolling elements, cylindrical rollers can better adapt to high-speed rotation environments because their structure helps reduce friction and heat generation.
- 3.Long service life: Since the pressure distribution experienced by cylindrical rollers during operation is relatively uniform, the wear on the rolling contact surface can be reduced, thereby extending the service life of the parts.
- 4.Smaller friction loss: Cylindrical rollers have a smaller contact surface area compared to other rolling elements, so friction losses are smaller and mechanical efficiency can be improved.
- 5.Convenient installation and maintenance: Cylindrical rollers are usually designed as detachable structures, which are easy to install and replace, and are also convenient for maintenance and repair.

