

Title (en)
BARREL-SHAPED BEARING

Title (de)
TONNENLAGER

Title (fr)
ROULEMENT A GALETS-TONNEAUX

Publication
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Application
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Abstract (en)
[origin: WO2004051099A2] The invention relates to a barrel-shaped bearing which comprises an external ring and an internal ring and at least one row of barrel-shaped rolling bodies arranged therebetween. The inventive bearing also comprises a cage in the form of a disc which turns together with said rolling bodies, meshes the peripheral grooves thereof and is provided with cavities whose number corresponds to the number of the rolling bodies of one row arranged on the external periphery thereof. The total rolling surface of the internal ring is embodied in such a way that the cross section thereof is concave along the entire axial length of the rolling body. The smallest distance between two sides of the cavity of the disc-shaped cage in the area of the external periphery thereof is less than the diameter of the rolling body in the area of the peripheral groove thereof.

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