

5 **Rolling bearing comprising a multi-component plastics
bearing ring**

Abstract

10 The invention relates to a rolling bearing, in particular a
ball bearing, comprising, in the form of two bearing rings
that are mounted so as to be rotatable relative to each
other about an axis, an inner ring and an outer ring which
each form a guide portion of a guide provided between the
15 bearing rings, which guide portion surrounds the axis,
wherein the guide portion formed by the inner ring is
radially opposite the guide portion formed by the outer
ring, and, in the guide, rolling bodies, in particular
balls, are distributed around the axis and rest on the two
20 guide portions so that when the bearing rings rotate
relative to each other about the axis, the rolling bodies
roll on the two guide portions. At least one of the bearing
rings has a slide ring, which forms the guide portion of the
bearing ring, and a stabilising ring, which rests on the
25 slide ring so as to surround the axis, wherein the slide
ring is produced from a first plastics material and the
stabilising ring is produced from a second plastics
material, wherein the first plastics material is softer than
the second plastics material, wherein in particular the
30 rolling bodies are mounted in the guide without lubricant.

FIG. 1C