

FIBROTOR RT.0750

15/08/2016

Efficient ring rotary table for use in sophisticated, high-performance machines

Modern, highly efficient assembly plants for the automotive, electronics and consumer goods industries require precise and process-safe drive components that are also economical whilst offering sufficient space for creative drive concepts. The FIBRO answer to these customer requirements is the new ring rotary table FIBROTOR RT.0750. This new FIBRO product has a clever bearing concept that leads to the maximum tipping moment being doubled and the permissible charging tripled without increasing the investment costs for the rotary table. In size RT.0750 (inner diameter of 440 mm), the maximum permissible values of the axial force lie at 5,000 N, the radial force at 8,000 N and the tipping moment at 2,250 Nm. For applications that do not fully utilise these maximum values, the robust bearing pays off in the form of an extended operating life. The operating life amounts to 20,000 hours MTTF (Mean Time To Failure).

High dynamics and precision

In addition, FIBROTOR RT.0750 provides short switching time, soft acceleration and a high indexing precision of +/- 12 angle seconds. In the basic version already, the ring rotary table is equipped with a sealed table top (total height of 95 mm) and can either be equipped directly or with any additional table top. Like all proven FIBROTOR rotary tables with a fixed division, a robust and efficient cam drive is also used on the RT.0750; the cam geometry of this drive have been optimised according to the German Energy Saving Act. In comparison with conventional cam drives, RT.0750 thus saves about 20% more in terms of current consumption. Optionally, the ring rotary table can also be provided ex works with FIBRO frequency converters from SEW or Siemens. These frequency converters already contain the sequential programs for a clockwise, counter-clockwise or swinging operation, soft start, fast or creep speed and a switching time optimisation. A three-phase brake motor monitor minimises brake wear. The affordable ring rotary table will soon be available in 11 fixed divisions from 4 to 36 and as the NC rotary table FIBROTOR RT.NC.0750 with flexible division.

FIBRO GmbH
Rotary Table Division
Weidachstr. 41-43
D-74189 Weinsberg
T +49 71347 3-0
www.fibro.com

**FIBRO at the Motek in Stuttgart:
Hall 5, Booth 5114**

Info box:

FIBRO

FIBRO GmbH from Weinberg, Germany, is a pioneer among rotary table manufacturers and offers the world's most extensive rotary table programme from a single source with more than 150 types of rotary tables. The rotary tables are used as swivelling or positioning axes and as workpiece carriers in highly productive machine tools, assembly and production systems. The greatest possible standardisation of the individual series also makes the company an interesting partner with regard to cost aspects. Numerous projects in various industries around the globe prove how strongly customers benefit from the high solution competence and worldwide service network of the rotary table specialists from Weinsberg.

www.fibro.de

Captions

FIBROTOR RT.0750	Faster, more precise, longer living: The affordable ring rotary table FIBROTOR RT.0750 was especially designed for dynamic assembly applications.	
------------------	---	---

Contact person

Thorsten Schauder
Business Development
Rotary Table Division

FIBRO GmbH
Weidachstraße 41-43
D-74189 Weinsberg

T +49 7134 73-335
F +49 7134 96105-335
t.schauder@fibro.de
www.fibro.de