

RLX COMPACT

The assets of a **new range**
for precision applications



THE ASSETS

RLX COMPACT



The RLX-COMPACT is a new high precision slewing ring designed to quickly respond our customer's expectations.

This range is designed to give a high precision in positioning, which gives a great advantage for robots, indexing tables, positioners, machine-tools, turntables, etc.

The ROLLIX know-how in robotics is:

- More than 25 years experience
- More than 100000 slewing rings in service
- Reliable slewing rings appropriate to the machine life time
- a « crossed roller » design with preload and ground raceway

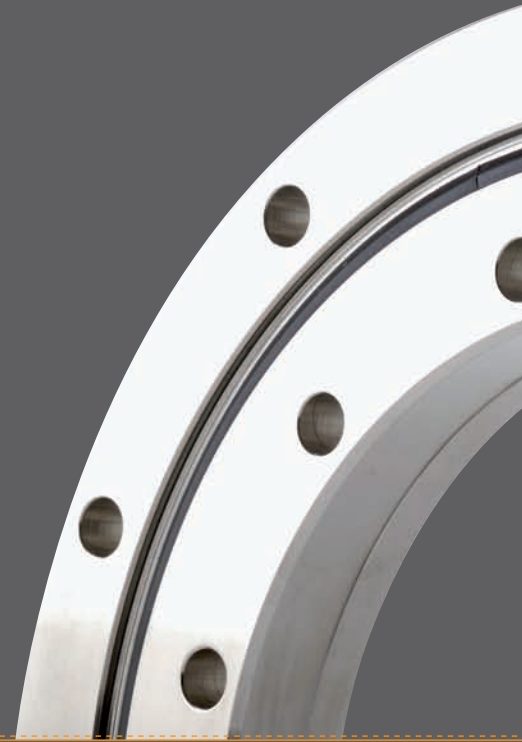
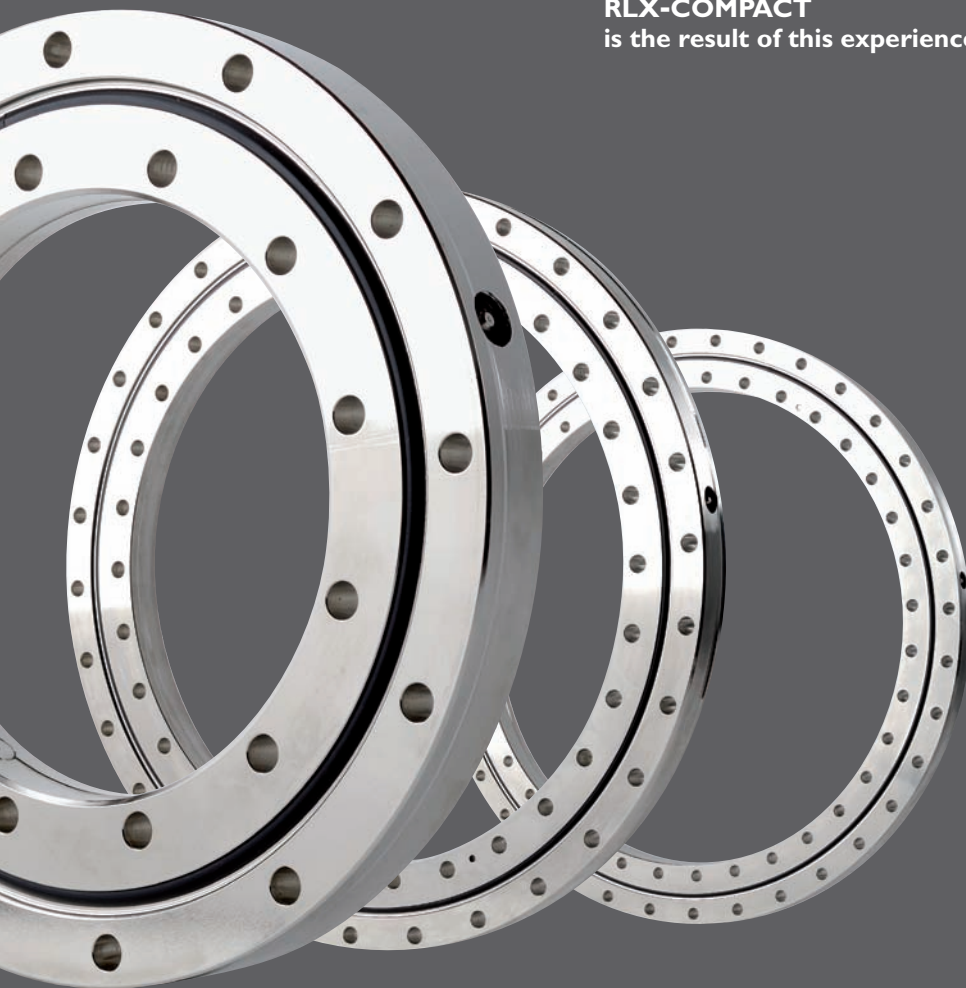
RLX-COMPACT is the result of this experience.

A top-of-the range product

- High stiffness
- Soft and smooth rotation with low torque
- High geometric quality
- Maintenance contract possible on request, for the high precision range

Easy to use

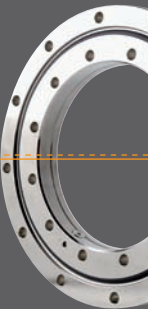
- Quick choice
- Reduction in the number of elements
- Reduced size
- Less machining required
- Very quick and easy to install
- Weight saving
- Ex stock availability
- Reduced prototyping time
- Competitive prices for small batches







THE RANGE

RLX COMPACT

RLX-COMPACT
is available in five diameters
and two precision levels:



-  Rotary table
-  Indexing table
-  Tool changer
-  Machining

Range
↓
High precision

| REFERENCES | WEIGHT | DIMENSIONS | | | | | | | FASTENING | | | | AXIAL RUN-OUT | | RADIAL RUN-OUT | | STARTING TORQUE UNLOADED in Nm | ALLOWABLE MAX ROTATION SPEED in rpm |
|------------|--------|------------|-----|---------|---------|----|------|------|-----------|----|-----|----|---------------|------|----------------|------|--------------------------------|-------------------------------------|
| | Kg | De | Di | Ce (h5) | Ci (H5) | HT | He | Hi | Fe | Ne | Fi | Ni | OR μ | IR μ | OR μ | IR μ | | |
| 88-0240-01 | 9 | 296 | 184 | 297 | 183 | 30 | 29,8 | 29,8 | 275 | 12 | 205 | 12 | 4 | 4 | 4 | 4 | 25 | 145 |
| 88-0352-01 | 23 | 423 | 281 | 424 | 280 | 40 | 39,8 | 39,8 | 396 | 18 | 308 | 18 | 6 | 6 | 6 | 6 | 40 | 95 |
| 88-0455-01 | 30 | 526 | 384 | 527 | 383 | 40 | 39,8 | 39,8 | 500 | 24 | 410 | 24 | 7 | 7 | 7 | 7 | 50 | 75 |
| 88-0550-01 | 36 | 621 | 479 | 622 | 478 | 40 | 39,8 | 39,8 | 595 | 30 | 505 | 30 | 8 | 8 | 8 | 8 | 65 | 60 |
| 88-0650-01 | 42 | 721 | 579 | 722 | 578 | 40 | 39,8 | 39,8 | 695 | 36 | 605 | 36 | 10 | 10 | 10 | 10 | 80 | 50 |

| REFERENCES | WEIGHT | DIMENSIONS | | | | | | | FASTENING | | | | AXIAL RUN-OUT | | RADIAL RUN-OUT | | STARTING TORQUE UNLOADED in Nm | ALLOWABLE MAX ROTATION SPEED in rpm |
|------------|--------|------------|-----|---------|---------|----|------|------|-----------|----|-----|----|---------------|------|----------------|------|--------------------------------|-------------------------------------|
| | Kg | De | Di | Ce (h6) | Ci (H6) | HT | He | Hi | Fe | Ne | Fi | Ni | OR μ | IR μ | OR μ | IR μ | | |
| 88-0240-00 | 9 | 296 | 184 | 297 | 183 | 30 | 29,8 | 29,8 | 275 | 12 | 205 | 12 | 10 | 10 | 10 | 10 | 25 | 145 |
| 88-0352-00 | 23 | 423 | 281 | 424 | 280 | 40 | 39,8 | 39,8 | 396 | 18 | 308 | 18 | 15 | 15 | 15 | 15 | 40 | 95 |
| 88-0455-00 | 30 | 526 | 384 | 527 | 383 | 40 | 39,8 | 39,8 | 500 | 24 | 410 | 24 | 15 | 15 | 15 | 15 | 50 | 75 |
| 88-0550-00 | 36 | 621 | 479 | 622 | 478 | 40 | 39,8 | 39,8 | 595 | 30 | 505 | 30 | 20 | 20 | 20 | 20 | 65 | 60 |
| 88-0650-00 | 42 | 721 | 579 | 722 | 578 | 40 | 39,8 | 39,8 | 695 | 36 | 605 | 36 | 20 | 20 | 20 | 20 | 80 | 50 |

Range
↑
Precision
For larger diameters, please contact us.

THE FEATURES

RLX COMPACT

The mounting holes are equispaced.
Ne : quantity of holes in outer ring
Ni : quantity of holes in inner ring

G : 2 equispaced M10 x 100 grease nipples mounted on the outer ring, except for 88-0240-00 and 88-0240-01 which have M6 x 100 nipples

Material of the rings : 42CrMo4
 Hardness : 260-290 HB

The slewing rings are delivered lubricated with MOBILUX EP2 or equivalent grease.

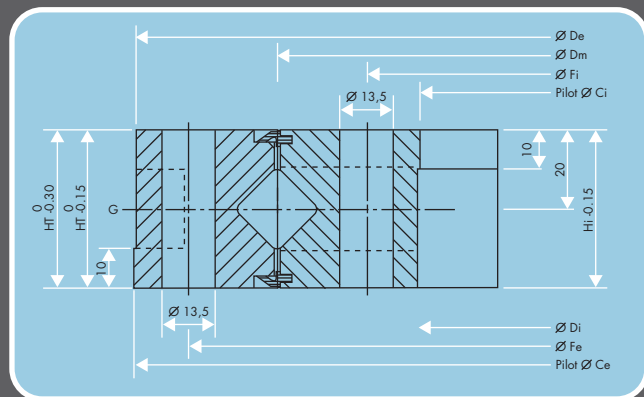
They have to be installed and re-greased according to ROLLIX catalogue and to ROLLIX installation and maintenance recommendations IT-ETR 941.

Use temperature : -25°C to + 70°C
 The temperature of both rings must be homogeneous.
 Lower or higher temperatures can be reached. In those particular cases, please contact us.

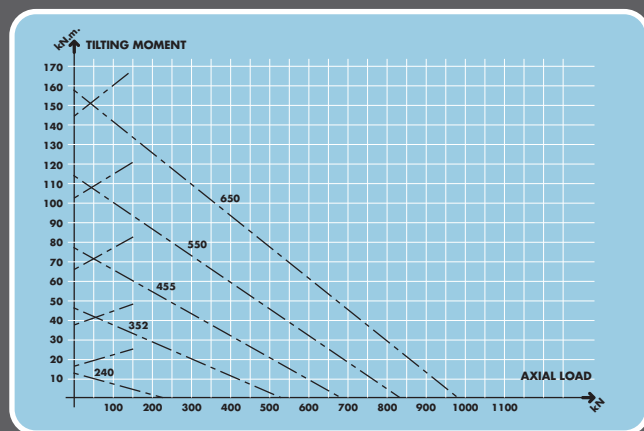
The values on capacity curves can be read directly without any additional factor.

All the dimensions are in mm.







Drawing



Utilization curves





-  Machine tool
-  Indexing table
-  Tool changer
-  Turntable
-  Robot
-  Welding cell



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➤ Proximity, partnership

ROLLIX has established a commercial and technical presence across all five continents.

Our subsidiaries and agents provide a permanent service and build a vital partnership with your company managers.

At the heart of your project

Simultaneous engineering ensures that you benefit from our advice and experience from the moment your needs are expressed.

This forward planning optimises project management, guarantees quality results and cuts design time.

Performance

For over 20 years, ROLLIX has been developing its slewing ring expertise applied to several fields of activity.

Our constant quest to learn and achieve excellence is recognised by all the world's leading companies in these sectors.

Certification

ISO 9001
ISO 14001

