

HIWIN®

ROLLER GUIDE UR

MADE FOR HEAVY LOADS. BUILT FOR PRECISION.

NOW EVEN
MORE DURABLE!

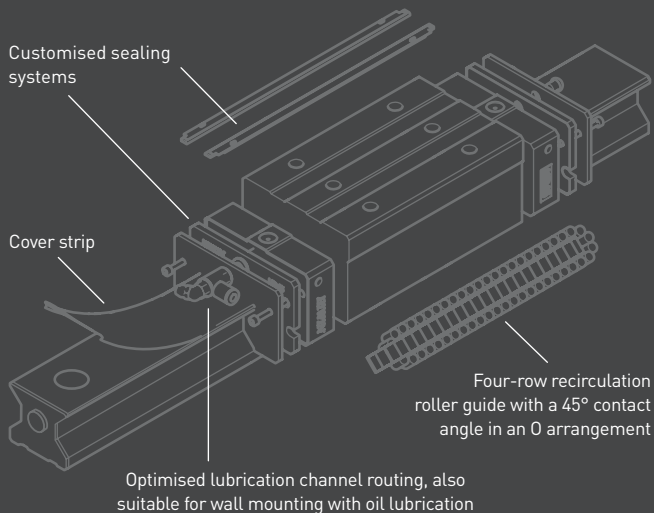


OUR NEW POWER ON WHEELS.

PRECISE MOVEMENTS. LONG-LASTING QUALITY.

Our new UR heavy load roller guides have been developed for applications where every detail counts. Tool and special machine construction, automated production lines, guide units for large components and heavy load handling all benefit from these extremely load-bearing linear guideways.

The new roller guide has an enlarged contact surface for the rolling elements, which results in high rigidity and load capacity. In addition, the optimised lubricant distribution ensures a long service life – even under the most extreme conditions.



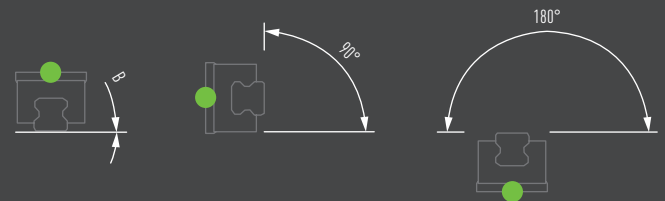
Your advantages:

- Highest load capacity and rigidity for maximum machining performance, dimensional accuracy and surface quality
- Protection against harsh environmental conditions thanks to dirt-resistant sealing systems
- Innovative lubricant distribution with reduced lubricant consumption and application-oriented lubrication positions
- Integrated position measuring systems
- Up to 70% longer service life thanks to optimised roller geometry
- Easy customisation to suit your specific requirements thanks to a wide range of types and options

ROLLER GUIDES FOR EVERY REQUIREMENT

Optimised lubricant distribution

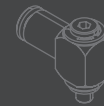
- ✓ Reliable lubricant transport to all rolling elements
- ✓ Also suitable for wall mounting with oil lubrication
- ✓ Easy maintenance and servicing
- ✓ Reduced lubricant consumption
- ✓ Process reliability



Grease nipple



Push-in fitting



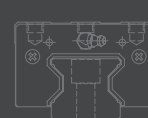
Lubrication adapter



- 8 standard lubrication points on the block for maximum flexibility
- Lubrication adapters for grease, fluid grease and oil lubrication
- Lubrication adapters for individual or central lubrication

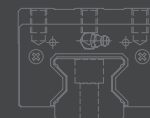
Bendable in shape and length

Our UR roller guides are available in flat, high or flange designs as heavy load or super heavy load variants. Choose from several sizes, designs and carriage lengths to optimally match the load capacity, rigidity and installation space to your applications.



L

Flat type



H

High type



W

Flange design

TECHNICAL HIGHLIGHTS

BUILT FOR EXTREMES

Static load capacity C_0 [kN]:



127.5 kN to 467.6 kN

- ▶ **34 %** higher, for maximum load capacity with high-precision axis movements.

Dynamic load capacity C_{dyn} [kN]*:

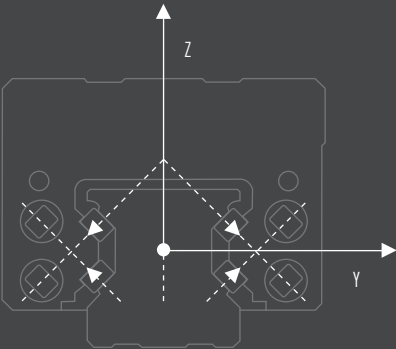


61.2 kN to 185.5 kN

- ▶ **19 %** higher for up to **70 %** longer service life and reliable continuous use.

* for 100,000 m travel distance

Force distribution in the roller carriage:



Maximum load ratings – for every load:

Size	C_{dyn} [kN]	C_0 [kN]	M_x [kN-m]	M_y/M_z [kN-m]
UR35C	61.2	127.5	2.72	1.82
UR35H	75.4	172.1	3.67	3.21
UR45C	110.4	240.0	6.38	4.58
UR45H	134.8	309.5	8.24	7.43
UR55C	144.0	336.0	10.37	7.39
UR55H	185.5	467.6	14.43	14.34

Note:

C = heavy load; H = super heavy load

Available in flat, high or flange design

With a stroke that can be freely selected in millimetre increments



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