

ROLLON®

BY TIMKEN

Compact Rail



New Compact Rail

It simplifies the project, improves the performance and reduces the application cost: **8 main advantages.**



1

Self-aligning system

- Select the most suitable structure for your project
- Avoid machining the mounting surface
- Reduce the assembly time

Up to 3.9 mm with T+U or K+U rails
Up to 3.5 mm with TG rails



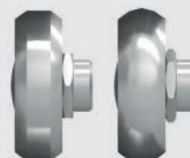
Compact Rail

Configurations of

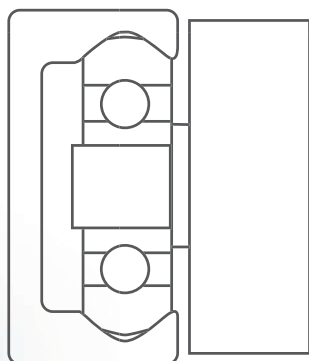


Rails with different geometries

+



Single row ball bearings



Up to $\pm 2^\circ$ with K+U rails



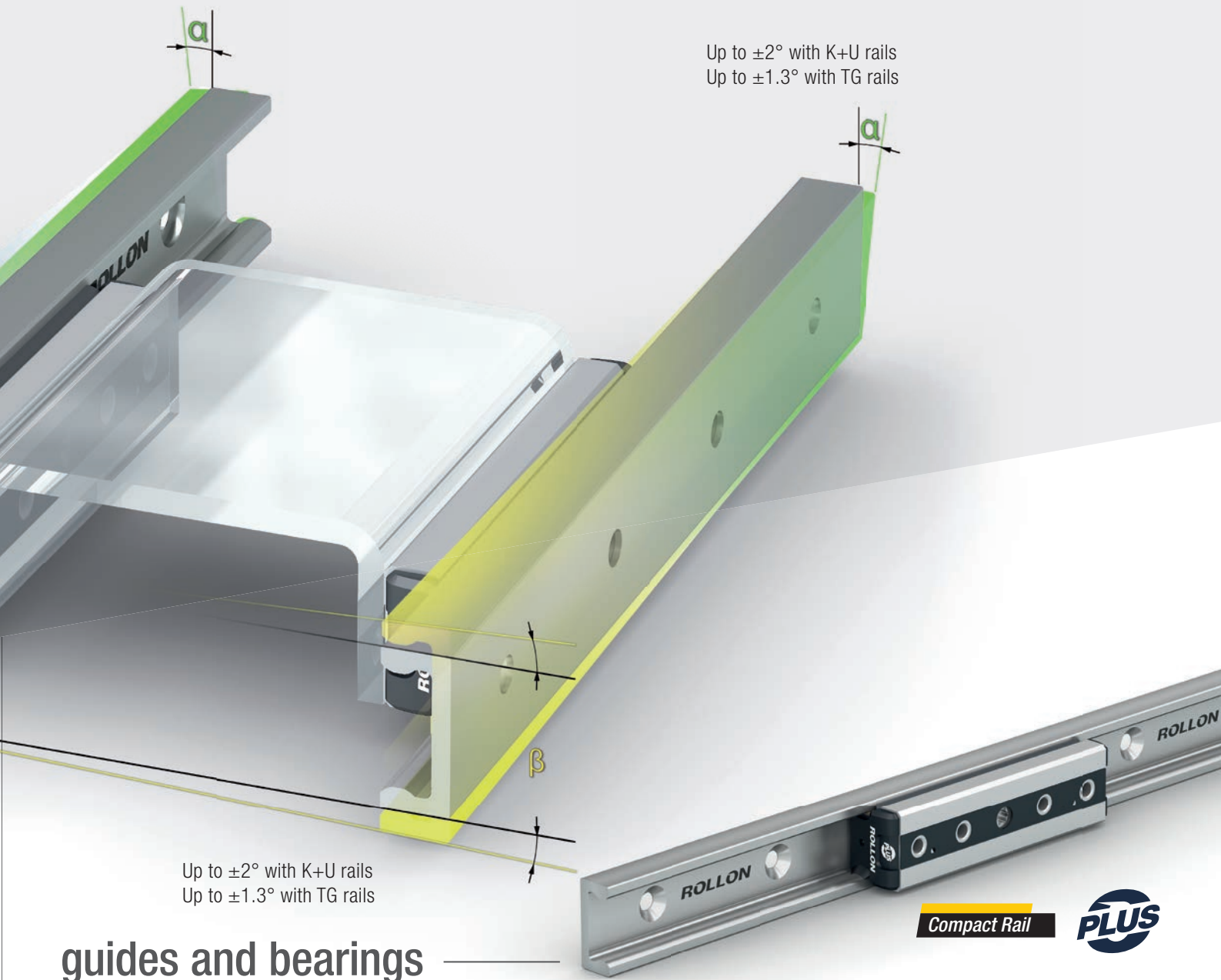
Up to $\pm 2^\circ$ with K+U rails



Up to 3.9 mm with T+U or K+U rails



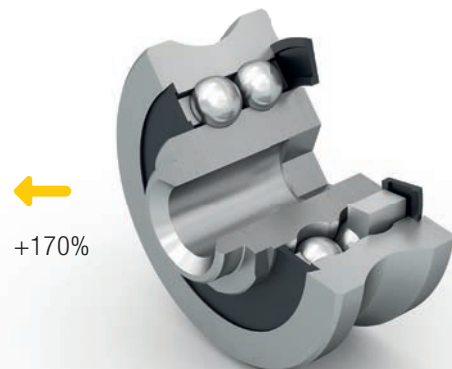
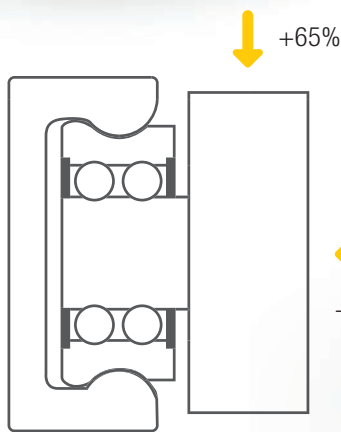
Up to $\pm 2^\circ$ with K+U rails
Up to $\pm 1.3^\circ$ with TG rails



Rail with convex raceways and higher rigidity



Double row ball bearings



* Example referred to size 43.

Up to $\pm 1.3^\circ$ with RP+RA or RU+RA sliders



Up to $\pm 1.3^\circ$ with RP+RA or RU+RA sliders



Up to 3.5 mm with RP+RV or RU+RV sliders





2

Optimal reliability in dirty environments

Lateral sealing for a greater protection against contaminants

New self-centering wiper for an optimal cleansing of the raceways



3

Resistant to corrosion

Different surface treatments make Compact Rail reliable even in the harsher environments

- **Indoor applications:** zinc-plating ISO 2081. Also available with electro-painted black finishing
- **Corrosive environments (humidity):** ZincNickel-plating ISO 19598.
- **Corrosive environments (acidic or basic):** nichel-plating



4

Long lifetime

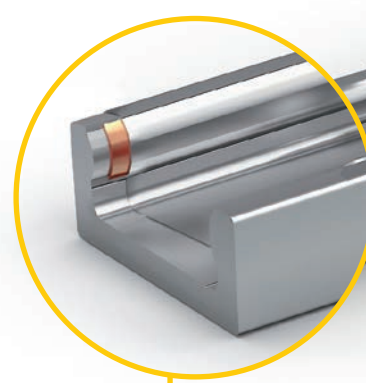
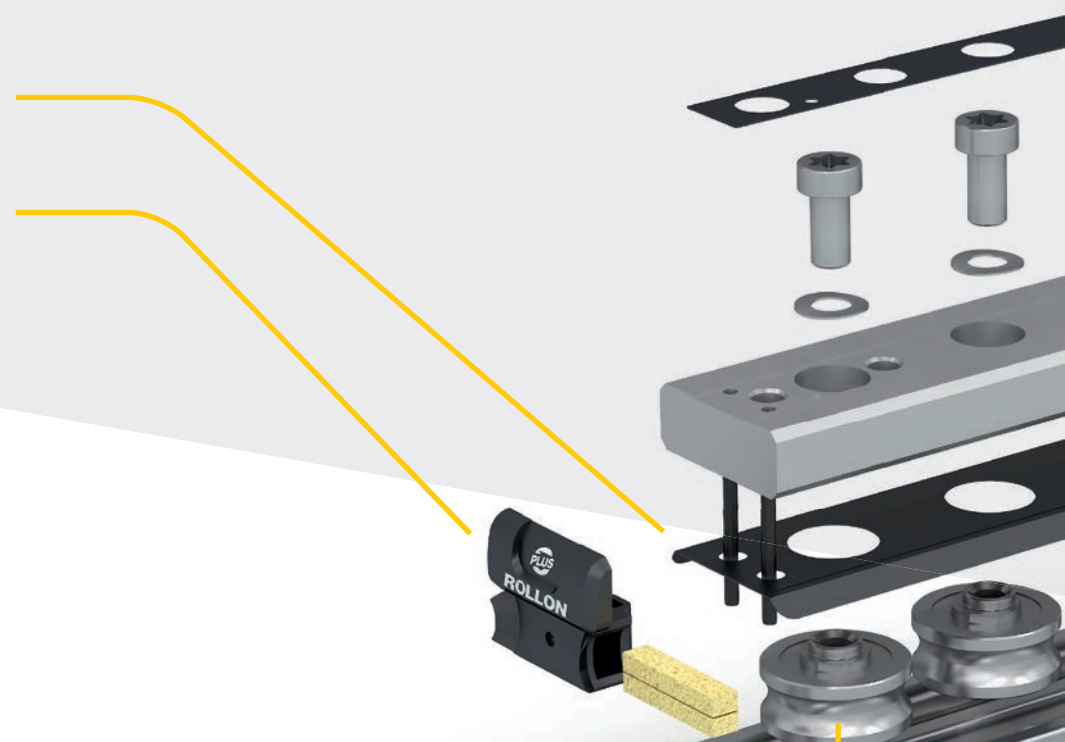
Induction hardened raceways with 1.2 mm effective depth and hardness between 58 and 62 HRC



5

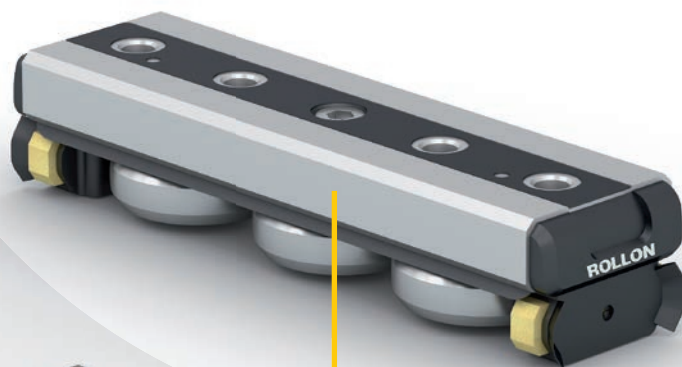
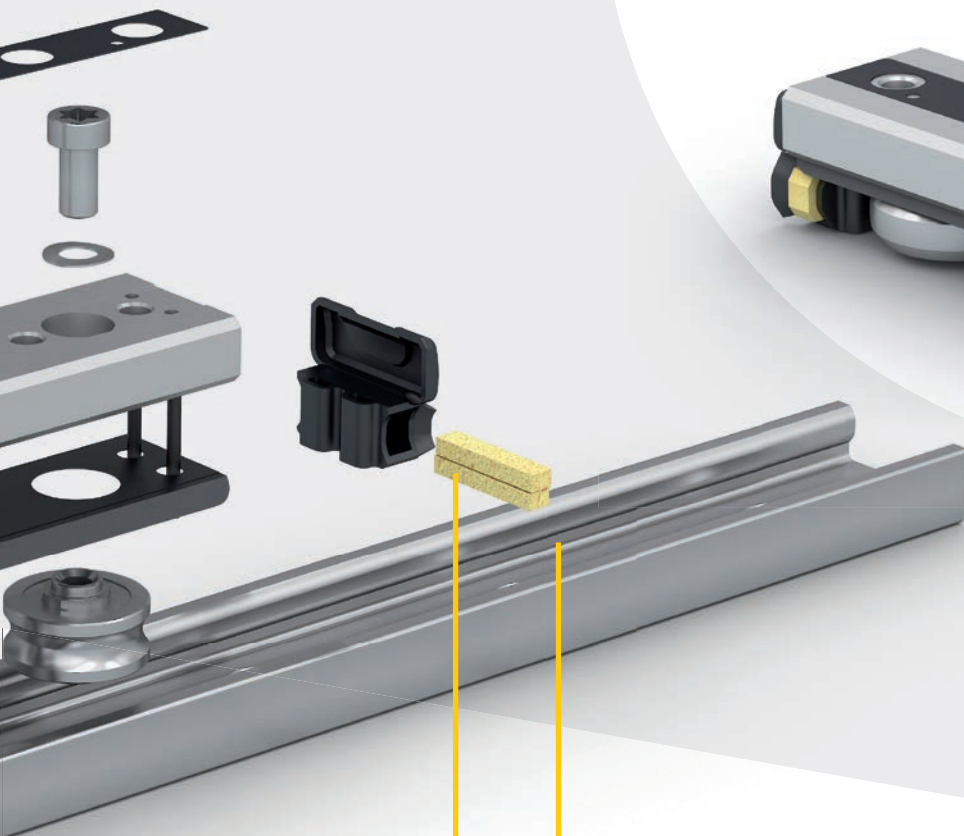
High dynamics

Speed up to 9 m/s
Acceleration up to 20 m/s²



New Compact Rail slider

Improved performance and a new look designed to fit every project perfectly.



6

Low maintenance

Integrated lubrication system with slow release felt and front-access for greasing



7

Uniquely quiet

Ground raceways for a smooth and silent movement



8

Strength and sturdiness

Thanks to steel slider body