

COMPACT RAIL: THE LINEAR MOTION SOLUTION

ROLLON's COMPACT RAIL is different from all other linear bearing systems available in the market. Compact Rail solves problems.

Whereas most linear bearings are descendents of heavy machine tool bearings and therefore by nature tend to be slow, recirculating-ball carriages mounted on simple round or profiled shafts, **ROLLON** started from scratch and designed a linear bearing system based on the needs of modern design engineers. We realized that while most linear bearings are applied in applications requiring good linear precision, few require machine tool-like, ultra-high precision. High precision grade rails (most popular round or profiled shafting fall into this category) are difficult, time consuming, and expensive systems that require machining of the mounting surfaces (a cost which often cannot be passed on to the customer).

COMPACT RAIL is a simple, precision, linear bearing system that is easy and inexpensive to mount to all - even non-machined- surfaces. What's more, **COMPACT RAIL** will self-align to another rail if mounting surfaces are not perfectly parallel.

We found that many linear bearing applications were in dirty or contaminated environments and that engineers were forced to specify external bellows or other costly protective devices.

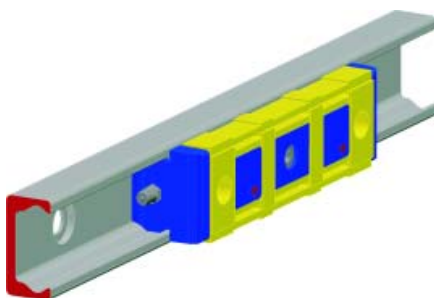
COMPACT RAIL is a well-protected system. The sliders run inside the hardened steel rails where they are protected. They have spring-loaded wipers which protect the shielded or sealed bearings from debris and damage.

Many engineers told us that recirculating ball sliders were slow and noisy and this effected the quality of their machines.

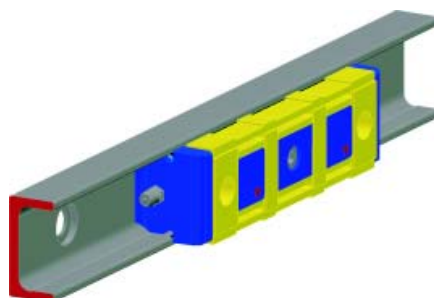
COMPACT RAIL is a fast (up to 9 m/s) and silent system (much quieter than recirculating ball systems).

Our customers told us of their need to make their new machinery as maintenance free as possible.

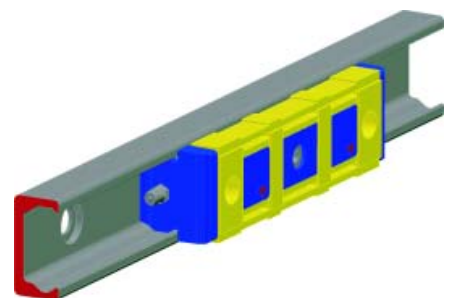
COMPACT RAIL has "lubed for life" bearings with patented wiper technology that lubricates the system as it runs. Even while we have achieved our goals and manufactured the most comprehensive linear bearings available, we will continue to strive to build the best products and surpass the needs of linear motion for the future.



"T" RAIL



"U" RAIL



"K" RAIL