

CLIENTE	Rollon	TESTATA	Railway Gazette newsletter	DATA	21 giugno 2013
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ROLLON® Linear Solutions For
Linear Evolution Railway Applications

ROLLON: CUSTOMISED SOLUTIONS FOR TRAIN DOORS

Understanding and handling the customer's needs is the key to success for all applications.

Different solutions made by different manufacturers involve numerous technical specifications and even applications differ. For example, the force and pressure exerted against high-speed train doors are much higher than in a local train, and as a consequence, the components should be different.

[Rollon Group](#), a leading international company in the linear motion sector, is able to handle the specific issues inherent to all types of movement for train doors, with standard and customised solutions that ensure smooth gliding movements, reliability, durability, low maintenance and resistance to corrosion at all times.

ROLLON SNK – Strong performance and durability for lateral motion sliding doors

Rollon has designed a special linear rail for one of the world's most important sliding door manufacturers for rail and road transport. Today it has evolved into SNK and is a standard catalogue product.

To deal with the mechanical requirements of this specific application, Rollon's R&D department designed a recirculating ball bearing linear rail with a C section of 35 mm in cold-drawn carbon steel. Raceways are induction-hardened and ground. This enables a considerable load capacity, extremely smooth gliding and a service life of 35-40 years, an essential requirement for this kind of application. Thanks to the geometry of the rail, the raceways are protected from knocks, while the wipers attached to the sliders protect them from dirt and prolong the smoothness of the glide and the durability of the rail. Rollon has also developed a specific anti-corrosion treatment, indispensable in external railway applications, called RollonAloy (720 hours of resistance in the salt spray test, in accordance with UNI EN ISO 9227).

COMPACT RAIL – Roller slider systems for doors opening

The Rollon product that is most used for train doors opening is COMPACT RAIL. This roller slider system has radial bearings which roll along internal, C-profile, ground, induction-hardened raceways. COMPACT RAIL guides are compact, fast and smooth. The standard version uses 3 bearings per slider. A special 2-bearing slider is also produced for train doors opening, which is capable of absorbing misalignments.

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