

# The added-value for the customer: A full expertise from a global provider of

# LINEAR

# TECHNOLOGY

Rollon, the International Group who specialize in producing components for the **linear motion**, extends its range of telescopic solutions with a new range of telescopic rails, in order to fit all the requirements of its customers.

**B**ased in Italy since 1975 and now with a branch office in Bangalore, Rollon produces linear guides, telescopic rails and linear actuators, offering to its customers 40 years of know how in linear motion and a full range of products that keeps on growing. Meeting the needs of the customers and finding the best solutions for their application are the main drivers of Rollon philosophy.

Hegra Rail is the name of the new product family that Rollon introduces after the acquisition of the German company Hegra. The product family includes various telescopic guide profiles with ball cage

capable of handling high loads up to 20 kN per pair, overextensions up to 200% of the length of the guide in closed position and available in different materials such as aluminium or stainless steel AISI 304 and AISI 316.

The Hegra Rail family of telescopic guides completes the range of products of the Group with complementary solutions, opening up original options for designing new applications. It includes five product categories: partial and full extensions, overextensions, guides for heavy loads and S-sections.

## Telescopic guides for partial extensions

Telescopic guides for partial extensions of

The new product family Hegra Rail from Rollon includes telescopic rails with extension up to 200% of the length of the guide in closed position.



Some of the different profiles available in Hegra Rail product family.

about 50% of the total length. These include a fixed guide and a cursor which is the mobile part and comes in various shapes and sizes. The high rigidity of the system arises from the way the fixed part and the cursor are coupled.

#### Telescopic guides for full extensions

Telescopic guides for full extensions of 100% of the total length. These consist of three stages with sections of different shapes and measurements.

#### Telescopic guides for overextensions

Telescopic guides for overextensions up to 200% of the total length. These consist of four stages (5 for the model with extension up to 200%) with sections of different shapes and measurements. The use of intermediate section

with high moment of inertia results in high rigidity of the system and a high load capacity even with the guide completely extended.

#### Telescopic guides for heavy loads

Telescopic guides for full extensions of 100% of the total length. These consist of three stages, with an intermediate section having a double-T structure. These telescopic guides, available in various sizes, are conceived specifically for handling heavy loads, ensuring low bending and high rigidity of the system.

#### Telescopic guides with S-sections

Telescopic guides for full extensions of about 100% of the length. These consist of 3 stages, the intermediate section is S-shaped. The telescopic guides are available in various

### Main fields of application of the Hegra Rail telescopic guides:

- Rolling stock
- Special vehicles
- Building and mechanical engineering
- Automotive
- Industrial machinery

sizes and combine high rigidity with a narrow cross-section.

### The main features of the Hegra Rail telescopic guides:

- Handling of heavy loads combined with minimal bending
- Profiles with 1, 2 or 3 extensions for extractions up to 200%
- Available in different materials: steel, aluminium, stainless steel AISI 304 and AISI 316
- High rigidity and moment of inertia with thin sections
- Fluid noiseless operation
- Long working life
- Extremely reliable
- Temperature range: from 0°C to +100°C (32 °F to +212 °F)
- Maximum speed: 0.3 m/s (in relation to the application)
- Various anti-corrosion materials and treatments are available
- Special solutions, such as blocking, snap systems and dampers, available on request

**ROLLON**<sup>®</sup>  
Linear Evolution

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