

# GUIDING LIGHT

In an environment where every gram of weight counts, Rollon is striving to make its telescoping and linear guide rails as lightweight as they are functional

**E**very gram of weight saved on an aircraft saves money on every flight. With interior parts, because many will be used for hundreds or thousands of flights, the right design can make a huge difference in terms of efficiency and costs.

With respect to the appearance, comfort and safety of all components in the cabin interior, there can be no compromises. Specifically, seating components such as telescopic rails and linear guide rails for seats, tray tables or adjustable furnishings must serve the passengers in a trouble-free and unobtrusive manner from the first day of operation to the last. To achieve these aims it is necessary for all interior components to have an optimal design in terms of having the lowest possible weight, uncompromising stability, a long life and durable comfort.

The international company Rollon Group specializes in producing linear and telescopic rails and has broad expertise in the aeronautical sector and with aircraft manufacturers. The company has strived to perfect its range of weight-reduced telescoping rails and linear guide rails, which are custom designed and manufactured for all individual interior design requirements.

The range of applications for telescoping rails and linear guide rails in aircraft interior design are numerous, from seats, armrests and tray tables, to pull-out displays, sliding tables, headrests and footrests. Partitions and mobile walls, and drawers for trash compactors and kitchen modules complete the range of applications.

When it comes to linear technology for the interior design of aircraft, Rollon relies on its research and development department to study and develop customized linear guides and offer



Rollon can develop and supply custom rails for client projects

unique development, production, system and application know-how from a single source. The engineers at Rollon create solutions that are custom tailored to the individual requirements of every interior design project, whether a customer prefers standard products, custom system solutions or wants completely new products to be developed. The company also supplies components to manufacturers of special aircraft, in addition to equipment and furnishings for airports.

Rollon's telescopic and linear guide rails are made of lightweight aluminum and steel, with hardened and ground raceways. They combine attractive and ergonomic design with smooth-running properties and excellent self-alignment. Furthermore they offer additional advantages for the airline companies, including being cost-effective and maintenance-free. Overall they are sturdy

and long-lasting components.

Depending on the particular task in the aircraft and the required load rating, Rollon can supply suitable telescoping rails and linear guide rails for the particular project, or construct a completely new design if necessary. The optimal weight reduction for the telescoping rails and linear guide rails is precisely calculated, without influencing the other characteristics. Calculations and tests are conducted for each component to determine where and how to modify the design without reducing the load rating and stability of the telescoping rails and linear guide rails. ✕

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