

CLIENTE	Rollon	TESTATA	Aircraft Interiors International	DATA	Giugno 2016
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AHEAD OF THE CURVE

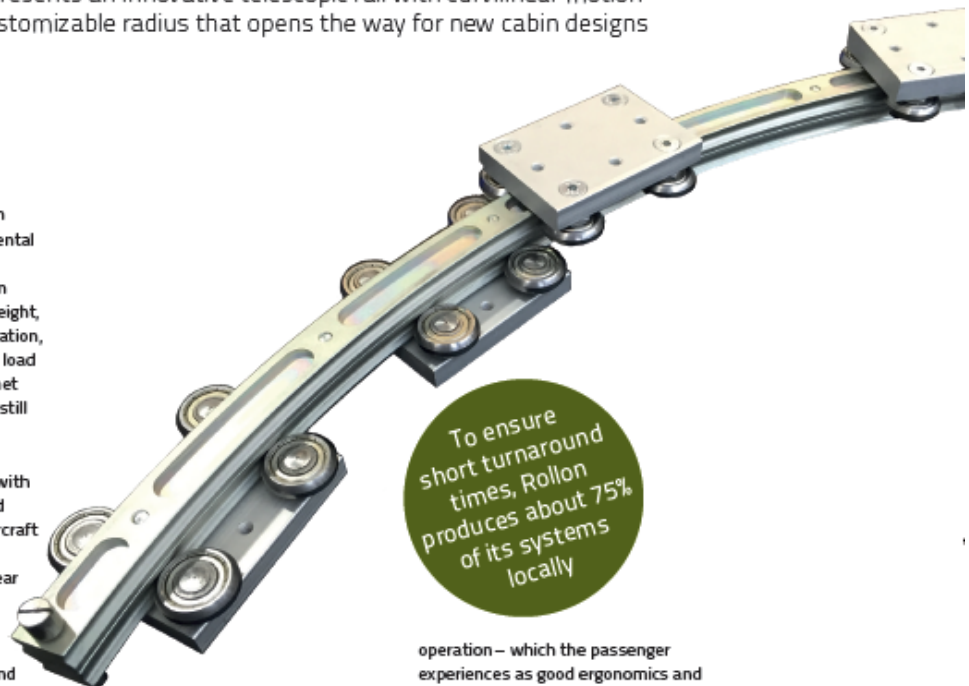
Rollon presents an innovative telescopic rail with curvilinear motion and a customizable radius that opens the way for new cabin designs

The aeronautical sector has demanding technical characteristics and performance requirements, of which Rollon is well aware. Some fundamental requirements of linear motion components supplied to the aviation sector are that they must be lightweight, compact in design and quiet in operation, as well as having high strength and load capacity. All these needs must be met in linear motion components, while still guaranteeing excellent rigidity and smooth motion.

This is why Rollon, which works with key players in the design of first and business class aircraft seats and aircraft interiors, is taking an innovative approach to the development of linear and telescopic rails that fit the requirements of numerous applications in this sector. These applications include seat tracking and movement mechanisms for headrests, footrests, armrests, privacy screens and extractable tables.

Because Rollon pays close attention to the particular needs and trends of the aeronautical sector, the company has been able to develop a new product that can open up innovative options for designing applications for aircraft interiors: Curviline, a new telescopic rail able to manage curved movements with a variable, customizable radius that can be adapted to a specific application.

The rail itself is made of steel, and therefore offers solidity and rigidity in a small amount of space. In order to achieve a lighter weight, the metal profile was redesigned to eliminate excess material, while still maintaining a high level of quality and reliability. The sliding motion is handled by sliders with ball bearings, to offer maximum fluidity of movement, absence of friction and quiet



To ensure short turnaround times, Rollon produces about 75% of its systems locally

ABOVE: TELESCOPIC RAIL WITH CURVILINEAR MOTION AND CUSTOMIZABLE RADIUS. THE RAIL PROFILES HAVE BEEN LIGHTENED COMPARED TO STANDARD CURVILINEAR PRODUCTS

BELOW: CURVILINE CAN BE ADAPTED AND CUSTOMIZED FOR SPECIFIC APPLICATION REQUIREMENTS



operation – which the passenger experiences as good ergonomics and comfort. In addition, a special surface treatment gives the rail sufficient resistance to corrosion, which is an indispensable quality in aviation.

The new telescopic rail with curvilinear movement can be used in several different applications inside the aircraft. It can be part of the movement mechanisms of seats, extractable tables, and sliding divider panel systems.

This product is a great example of the Rollon group's aptitude for customization and its ability to create new solutions based on its clients' requirements. The company is headquartered in Italy, with branches in Germany, France, the USA, India and China, and offices in Russia, Brazil and the UK. ☺

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