LIGHT TELESCOPIC RAIL
Your Partner in Automation Solutions

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Heavy Telescopic Rail
Light Telescopic Rail

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LTR4613 – 100% Extension

The Light Telescopic Rail 4613 is made for smaller loads. It is possible to disassemble the LTR4613 into two parts to make the mounting easier. The locking device A is a soft bumper with a hold function. See page 10, Locking device, for further information.

TECHNICAL PRODUCT SPECIFICATION

Deflection: Max 4% of extension length
Max temp: 80° celsius
Material: Galvanised steel, blue-galvanised steel
Possible with Surface treatment: No
Max. Recommended Load: Read in column below “Load per pair” Calculated on 10,000 cycles.

TECHNICAL DIMENSIONS

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LTR5619 – 100% Extension

The Light Telescopic Rail 5619 fits in many applications, with different loads. The LTR5619-800/800 and shorter, includes locking device B. The LTR5619-900/950 and longer, includes locking device A. See page 10, Locking device, for further information.

TECHNICAL PRODUCT SPECIFICATION

Deflection: Max 4% of extension length
Max temp: 100° celsius
Material: Galvanised steel, blue-galvanised steel
Possible with Surface treatment: On customer request
Max. Recommended Load: Read in column below “Load per pair”
Calculated on 10,000 cycles.

TECHNICAL DIMENSIONS

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LTR7118 – 100% Extension

The Light Telescopic Rail 7118 is made for high loads. The LTR7118-800/800 and shorter, includes locking device B. The LTR7118-900/950 and longer, includes locking device A. See page 10, Locking device, for further information. The LTR 7118 suits well in applications that need a stiffer light telescopic solution.

**TECHNICAL PRODUCT SPECIFICATION**

- **Deflection:** Max 4% of extension length
- **Max temp:** 100°Celsius
- **Material:** Galvanised steel, blue-galvanised steel
- **Possible with Surface treatment:** On customer request
- **Max. Recommended Load:** Read in column below "Load per pair" Calculated on 10,000 cycles.

**TECHNICAL DIMENSIONS**

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LTR7125 – 140% Extension

The Light Telescopic Rail 7125 is made to fit applications that needs a longer extension than the length of the rail. The locking device is a soft bumper with a hold close function.

The LTR7125 has an extra safety lock which keeps the slider closed. To release the lock, manually push the green handle. See page 10, Locking device, for further information.

TECHNICAL PRODUCT SPECIFICATION
Deflection: Max 4 % of extension length
Max temp: 100° celsius
Material: Galvanised steel, blue-galvanised steel
Possible with Surface treatment: On customer request
Max.Recommended Load: Read in column below “Load per pair”
Calculated on 10,000 cycles.

TECHNICAL DIMENSIONS

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Additional facts

WHERE AND WHEN TO USE LIGHT TELESCOPIC RAILS:
Light telescopic rail are often used in pairs and in vertical 90 degrees upright position. They are used in applications with loads between 1–230 kilo per pair, and where a high stiffness on the rail is not required.
If you are looking for a Telescopic rail with higher loads and higher stiffness please look in our catalogue of heavy telescopic rails or contact AluFlex.
Light telescopic rails are used in many different applications, most common telescopic solutions are in drawers, sliding doors, footsteps, etc. But of course it is only your imagination that put the limit for where to use them.

RECOMMENDED LOADS ON LIGHT TELESCOPIC RAILS:
We are recommending loads on Light telescopic rails between 1–230 Kg, please look in the column Load per pair for each rail. The load each pair of rail can carry depends on the length of the telescopic movement and the size of the slider.

HORIZONTAL OR VERTICAL MOVEMENT:
We recommend to use our Light telescopic rails in horizontal movements, if you require a vertical telescopic movement please contact AluFlex and we will help you to find the solutions for the vertical movement.

DEFLECTION ON THE TELESCOPIC SLIDER:
The Light telescopic rails are products with low stiffness. If you require a higher stiffness on your telescopic movement please look in our catalogue Heavy telescopic rails like LCE, LCAD, LCAH and LCAS, or please contact AluFlex.

STOCK ITEMS:
The standard Light telescopic rails in this catalogue are normal stock items, and can be delivered within a few days. If you do not find the Light telescopic solution that you are looking for in this catalogue AluFlex can make a customised telescopic rail of your special demands.
Please see page 11.

ENVIRONMENT:
Our standard Light telescopic rails are made of galvanised steel and can handle the most normal environments, but if you require a surface treatment for special environment please contact AluFlex for different surface treatments.

SPECIAL SOLUTIONS ON TELESCOPIC MOVEMENT:
We have many different solutions of telescopic movements in our program, if you do not find the telescopic solution you are looking for in this catalogue please contact AluFlex and we will help you design a solution to meet your requirements.
Article number

The chart below describes how the LTR article number is configurated, use this configuration code when ordering.

Code for light telescopic rail

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Series: LTR
Model of Light telescopic rail: 4613, 5619, 7118, 7125
Closed length on Light telescopic rail:
Extension length on Light telescopic rail:
Type of locking device: A, B
Safety lock: S (Safety lock, 1 per pair), N (No Safety lock)

Lubrication advice

Our light telescopic rails are pre-lubricated from the factory. The rails are maintenance free, the first 100,000 strokes. After this amount of strokes you need to lubricate with normal ballbearing grease in small portion on the ballway of the light telescopic rail.

Load per pair description

Each telescopic rail in this catalogue has a “Load per pair in Kg” column that shows max recommended load per pair.

The amount in the “Load per pair in Kg” column is only valid when the position of the load is placed evenly on the extension length of the telescopic rail, like the drawing.
Locking device

Locking device A
The locking device A is a simple version of locking device. It is a soft bumper that holds the telescopic rail in a closed position.

Locking device B
The locking device B is an advanced locking device. 15 mm before closing, the locking device B will catch the slider and drag it in to a locked position. The locking device gives a small resistance when you open the rail.

Safety lock
The safety lock is used mainly to make sure that the telescopic rail will not open by accident. To open the telescopic rail, push the green handle to the side and pull the rail. The safety lock is only included when ordering LTR7125.
Special customised light telescopic rails

If you do not find the telescopic solution that you are looking for in this catalog, AluFlex can manufacture a customised telescopic rail to your special demands, according to the below points. Please contact AluFlex for a proposal on customised light telescopic rails.

The points below describes which areas we can manufacture a special design:

- **SURFACE TREATMENT:**
  Special surface treatment for different environments

- **LENGTH ON THE TELESCOPIC RAIL AND EXTENSION:**
  Closed and extension length will be customised to your needs.

- **LOAD ON THE TELESCOPIC RAIL:**
  Load capacity for each pair of telescopic rails will be customised after your needs.

- **FASTENING POSSIBILITIES OF THE TELESCOPIC RAIL:**
  We customise the telescopic rail to your needs of fastening possibilities, for example special fastening holes or bayonet fastening methods.

- **QUANTITY:**
  Minimum quantity for ordering customised light telescopic rail, is 250 pair per each model of telescopic rail.

Mounting advice

When mounting the Light telescopic rail we recommend you to use a countersunk screw both on the cabinet side and the drawer side. The size on the countersunk screw hole you will find in the drawings on product page 4-7.

Surface treatment

STANDARD SURFACE TREATMENT:
All of our standard Light telescopic rails have a surface treatment called Blue galvanized steel. This means that they will resist a salt spray test, of 72 hours, before red rust appears.

SPECIAL SURFACE TREATMENT:
If you require a special surface treatment according to a rough environment, we can manufacture a special surface treatment to meet your requirements. Please read more under Special customised Light telescopic rails, or please contact AluFlex.
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