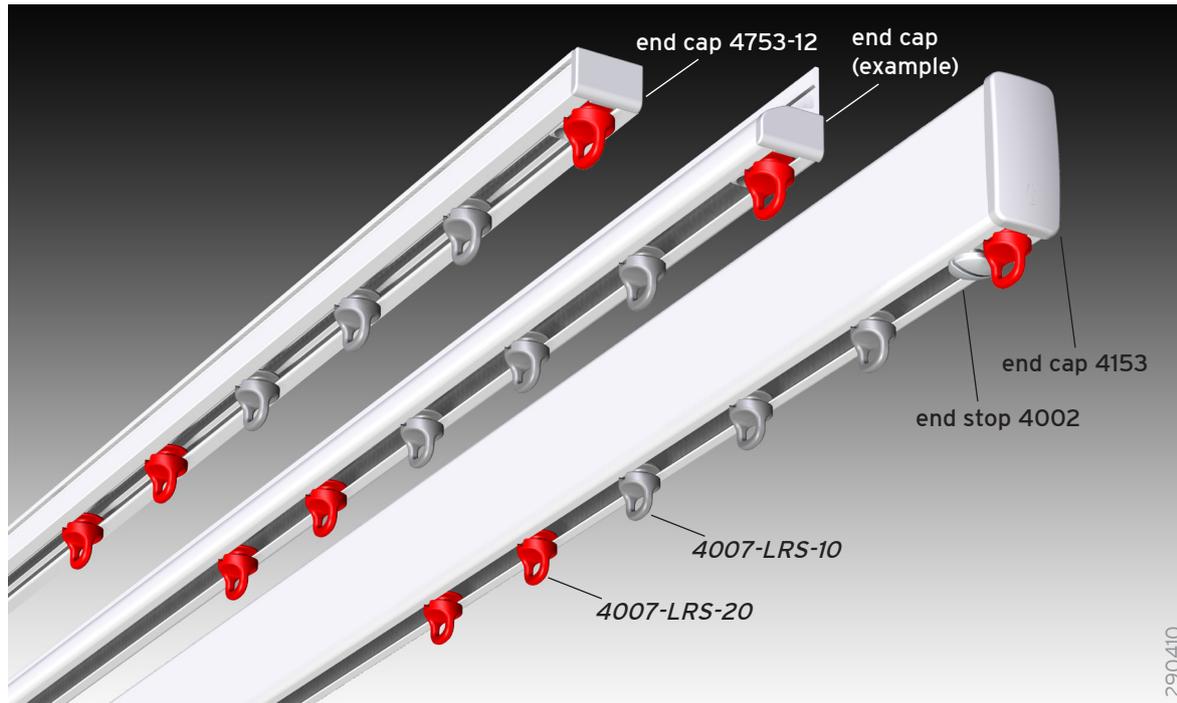


## Goelst LRS Anti-ligature Gliders

> red 'pilot runner' 4007-LRS-20 and grey glider 4007-LRS-10

> example with track 4701, 4301 and 4100



### **LRS-gliders: for Anti-ligature purposes**

Goelst LRS-gliders have been developed to allow the controlled release of curtains from specific Goelst curtain tracks (ref: 4100; 4301 & 4701). The gliders are provided with a flexible, yet firm gliding foot and rotate freely in the gliding channel.

In every day use the LRS gliders behave as ordinary gliders. However, when exposed to sudden and/or high loads, the glider design allows it to be pulled out of the track. Use of the LRS gliders also helps prevent the track being pulled from its fixings - (important when considering personal safety).

### **Loads**

The LRS anti-ligature system incorporates both red and grey gliders.

When loading is applied gradually, individual red gliders can resist up to 12 kg\* and individual grey gliders up to 8 kg\* of weight. With sudden loading other values apply to both red and grey LRS gliders.

The red glider is released from the track with 1 kg falling from 5 cm. A weight of 0,5 kg falling from a height of 5 cm causes the grey glider to release.

This difference in response to gradual and sudden loading explains why the glider can function both as a normal glider as well as a quick release LRS glider.

The release of one LRS glider induces a 'zip' effect. If the curtain weight is taken as a whole, separate glider loads cannot simply be added up. There is always one glider that releases first, inducing an accelerated release of the other remaining gliders.

### **Use**

Place two red LRS gliders 4007-LRS-20 at the lead glider positions of each curtain stack. Also place a red LRS glider 4007-LRS-20 in the last glider position and capture it within the end stop-cover (ref: 4753) or between two end stops (ref: 4002).

Remaining glider positions are to be filled using grey glider 4007-LRS-10.

### **Recommendation**

It is recommended that a maximum of 10 LRS gliders are used per metre of track.

*\*) Loads mentioned may vary due to ageing of the material, humidity or varying temperatures and are specific to Goelst products.*

