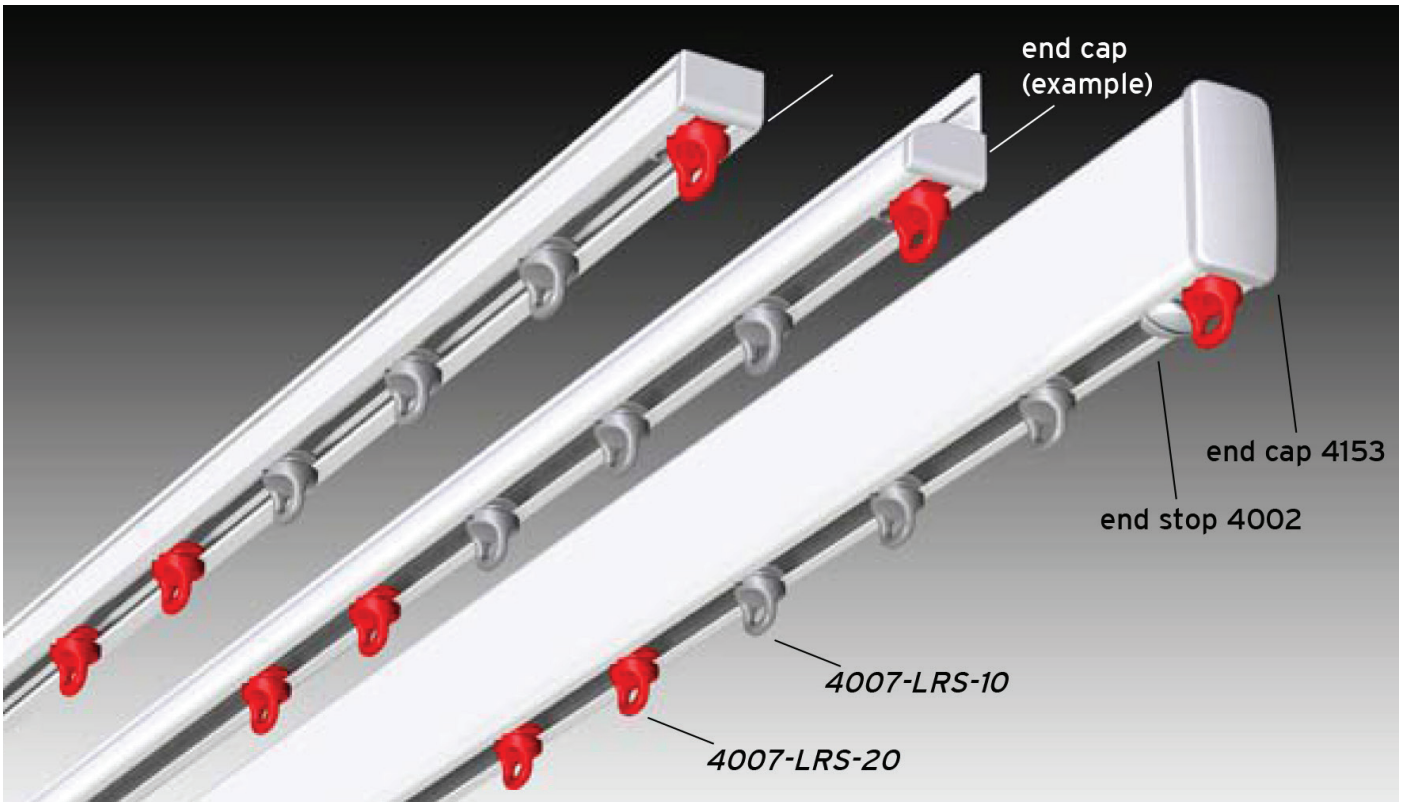
LRS Load Release Gliders

Red ‘pilot runner’ 4007-LRS-20 and grey glider 4007-LRS-10
Example with track 4701, 4301 and 4100



LRS-gliders: for reduced ligature risk

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 Load Release Glider 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 one red LRS gliders 4007-LRS-20 at the lead glider position 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 with each installation being individually tested.

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