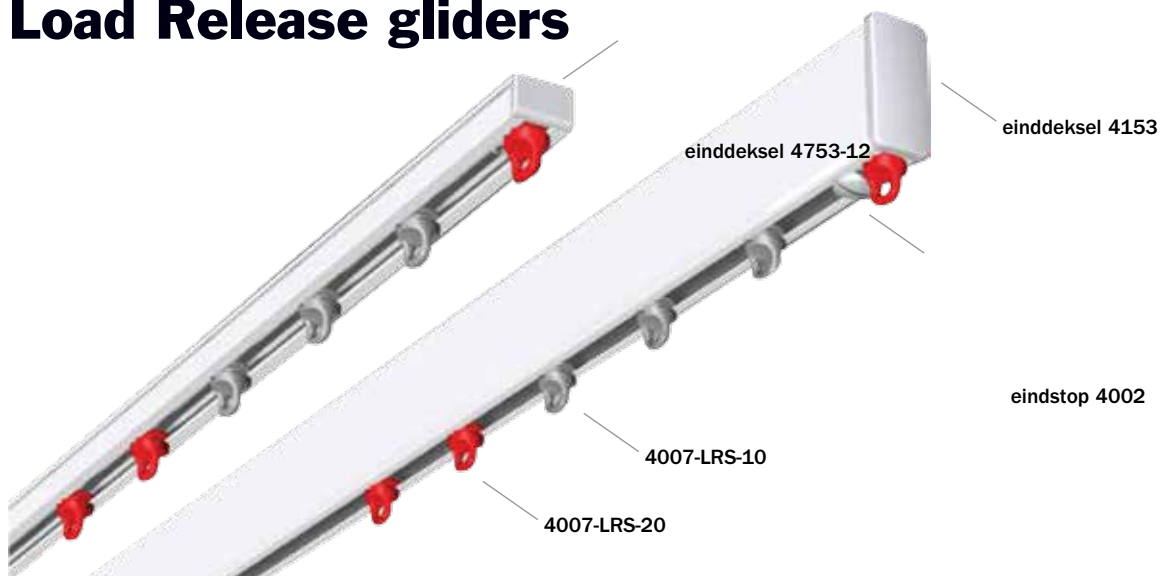


Load Release gliders



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 mountings - (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.



Example of profile 4301 with end cap 4353 with red LR glider 4007-20 acting as end stop and grey LR gliders LR 4007-10.

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

Application

1 - Prevent damage to the curtains:

If the curtain is blocked or being pulled firmly

only wide channel profiles, and

- do not apply standard pilot (overlap) carrier
- neither metal end stop with eye 4001-M or standard end stop 4001.

handdrawn : yes
 cord drawn : yes, but only with adapted carrier
 electric. operated : yes, bu only with adapted carrier

2 - In emergency situations, the curtains can be pulled from the rail

when blocking an exit

only wide channel profiles, and

- do not apply standard pilot (overlap) carrier
- neither metal end stop with eye 4001-M or standard end stop 4001.

handdrawn : yes
 cord drawn : yes, but only with adapted carrier
 electric. operated : yes, bu only with adapted carrier

3 - Prevent the curtain-rail from being pulled from its mounting points,

considering the aluminium curtain rail can be abused to cause harm

only wide channel profiles, and

- do not apply standard pilot (overlap) carrier
- neither metal end stop with eye 4001-M or standard end stop 4001.

handdrawn : yes
 cord drawn : yes, but only with adapted carrier
 electric. operated : yes, bu only with adapted carrier

4 - Reduce risk on suicide by hanging from the curtains,

appliccable to next profiles considering:

- place extra ceiling supports
- tight fit profile against mounting surface
- do not apply carrier
- neither metal end stop with eye 4001-M or standard end stop 4001.
- 4100 : ceiling mount with 4145 to fill the gap
- 4200 : ceiling mount with 4145 to fill the gap
- 4700-series : using punched rail and screw mounting
- 5100 (hand drawn) : ceiling mount with 4145 to fill the gap

not appliccable for small channel profiles nor

- 4550 and 4560 because of suspended ceiling-use
- 4800 because of wall mounting
- 5100 when cord drawn
- 5300 because of wall mounting and being cord drawn
- 5600 when cord drawn
- 6200-based electrically operated systems

Components Load Release Gliders

Gliders

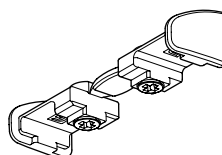


4007-LRS-10
rotating glider LRS grey



4007-LRS-20
rotating glider LRS red

Accessories 4301



4353
end cap set 4301 L + R
for 4301 profile