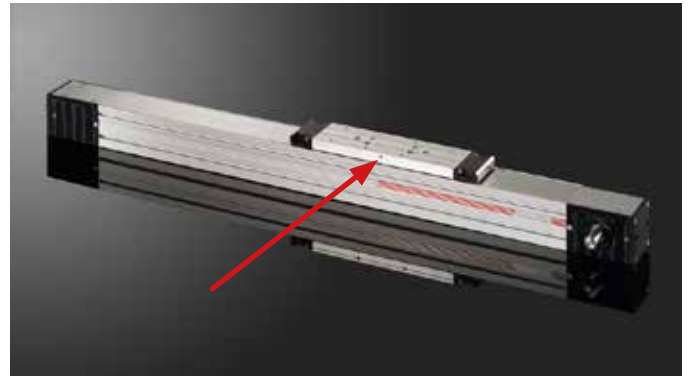


## Lubrication instructions: Linear modules with belt drive



### Maintenance

Maintenance for the belt modules generally applies solely to the rail guide. This is lubricated separately, giving you optimum control and ensuring that the correct amount of grease enters the rail guide. We recommend the following servicing- and lubrication advice.

### Servicing

Servicing applies to lubrication of the rail guide carriage. Lubricate the rail guide carriage by using the grease nipples on the side of the linear module carriage.

Use ball bearing grease as lubricant. The standard grease is lithium based.

**Keep in mind that it must not contain graphite or molybdenum disulphide.**

### Lubrication interval for rail guide

The table below shows the recommended lubrication interval for AluFlex® linear modules.

Temperature	10-40 °C	
Speed	up to 1 m/s	up to 3 m/s
Linearmodule	Load	Load
LM3ZR	up to 15 kg	over 15 kg
LM4ZR	up to 60 kg	over 60 kg
LM5ZR	up to 100 kg	over 100 kg
Lubrication interval every	10,000 km	5,000 km

### Amount of lubricant for rail guide

The amount of lubricant in grams each time regreasing takes place.

**Keep in mind not to over-lubricate. It can cause problems.**

Size	Amount of lubrication per carriage	
	gram	cm <sup>3</sup>
LM3ZR	0.3	0.3
LM4ZR	0.5	0.5
LM5ZR	0.8	0.9