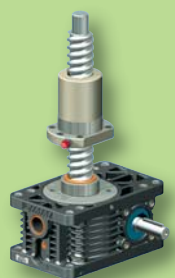
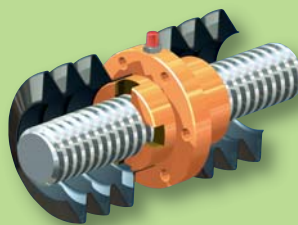
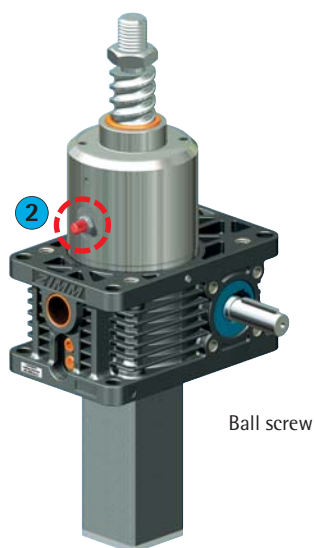
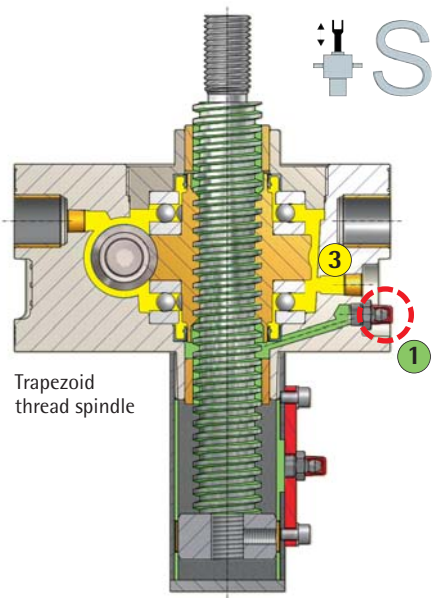


NEW!!!

Lubricants
for Screw Jacks



Innovative, separate lubrication

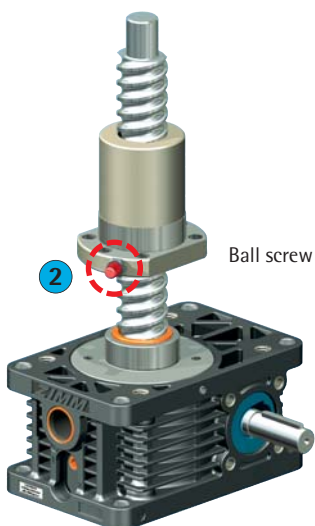
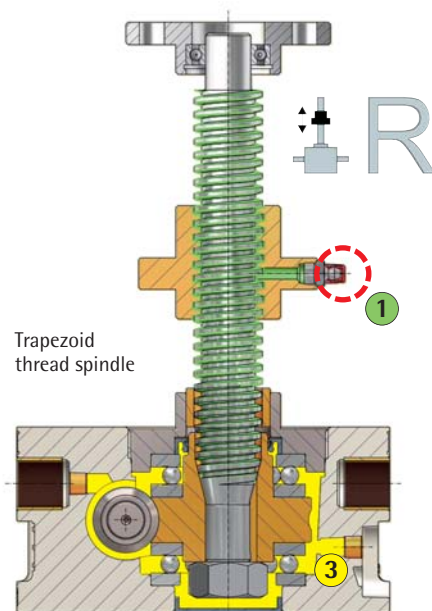


i The separate lubrication system is essential for a high performance.

- 1** The INNOVATION:
For optimum grease distribution, spindle lubrication is possible **during operation**.
- 2** The same INNOVATION also for the ball screw version (KGT).



- 1** For optimum grease distribution, spindle lubrication is possible **during operation**.
- 2** The same lubrication point also for the ball screw version (KGT).



1 Trapezoid thread spindle
Inspect the trapezoid thread spindle regularly and regrease depending on the duty case. Use our selected greases. These are specially selected for use with our screw jack systems.



2 Ball screw KGT
Regrease the ball screw every 300 hours of effective running time. Every 100 hours for high loads. Quantity: Reference value approx 1 ml per cm spindle diameter.



3 Gearbox lubrication
The screw jack is sealed and filled with a high-grade, synthetic fluid grease. During normal use, the gearbox is life-time lubricated.



Use the correct lubricant for a long life-time!

These lubricants were carefully selected for the requirements of the screw jack. Caution is advised when using another grease! "Good" grease does not necessarily have to be the "right" grease. Adaptation to the requirements is important.



Lubricants

1 Trapezoid thread Tr 		Also as MSZ gearbox grease 				
Application		Grease type			Ability	
		Grease	Base oil	Thickener	Suitable	Conditionally/Unsuitable
Standard grease up to size 150		Castrol Tribol 4020/460-2	mineral	Li-Compl.	optimum characteristics under normal conditions and temperatures	very stiff at low temperatures
Standard grease from size 250	 	Castrol Tribol 3020/1000-2	mineral	Lithium	high loads, slow speeds, from size 250	very stiff at low temperatures
High-performance grease, High-temperature grease	  	Castrol Firetemp XT 2	synthetic PAO	Polyurea	for high duty cycle or at high ambient temperature	at constant temperature from approx. 160°C, low life-time of grease
High-temperature grease up to 200°C	  	Castrol, Molub Alloy 2115-2	synthetic PFPE	PTFE	long life-time at high constant temperature up to 200°C, clean room, vacuum, food	high price
Low-temperature grease		Castrol TR 4747/220-2	synthetic PAO/Ester	Li-Compl.	optimum characteristics and smooth-running at low temperatures	above 60°C operating temperature, viscosity too low
Food industry grease	  	Castrol Obeen UF 2	synthetic PAO	Al-Compl.	for food industry, NSF-H1 registered	somewhat stiffer at minus temperatures

 All spindle greases are available in a 400g cartridge (Alloy 2115: 800g, because density approx. 2). The cartridge also fits in standard grease guns.

2 Ball screw KGT 						
Application		Grease type			Ability	
		Grease	Base oil	Thickener	Suitable	Conditionally/Unsuitable
Standard grease for KGT		Castrol TR 4747/220-2	synthetic PAO/Ester	Li-Compl.	high-grade, synthetic grease for all standard applications	
Food industry grease	  	Castrol Obeen UF 2	synthetic PAO	Al-Compl.	for food industry, NSF-H1 registered	

 All spindle greases are available in a 400g cartridge. The cartridge also fits in standard grease guns.

3 Gearbox fluid-grease (Z+GSZ) 						
Application		Grease type			Ability	
		Grease	Base oil	Thickener	Suitable	Conditionally/Unsuitable
Standard grease gearbox, Food industry grease	   	Castrol Obeen UF 00	synthetic PAO	Al-Compl.	very high-grade, synthetic grease for all standard applications with NSF-H1 approval	
Heavy-duty grease	 	Castrol Tribol 3020/1000-00	mineral	Lithium	high loads, low speeds, Z-250 to Z-1000 ≤ 250 rpm	very stiff at low temperatures
High-temperature grease up to 200°C	  	Castrol, Molub Alloy 2115-0	synthetic PFPE	PTFE	long life-time at high constant temperature up to 200°C, clean room, vacuum, food	high price

 The gearboxes are sealed and have life-time lubrication under normal conditions. It may be necessary to replace the grease during operation at high temperatures and with high duty cycles.

 Optimum lubrication characteristics are generally achieved with the standard greases at an operating temperature up to 70°C. Depending on the ambient temperature, load and duty cycle, the grease becomes too thin for good lubrication at higher operating temperatures. High temperatures are reached quickly especially with trapezoidal-thread spindles. High-temperature and high-performance greases are used here. We will be pleased to advise you with respect to your application parameters (Checklist please).

 **ATTENTION:** Higher idle and starting torques must generally be expected at low temperatures. Synthetic greases are much more suitable here than mineral greases.

Order example:
Castrol Tribol 4020/460-2,
400g cartridge



Sales Partner - worldwide



Austria



Germany



Switzerland

...see www.zimm.at



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