5.5 Check settings on lubricator

Check the required values for the lubrication point and adjust the settings of the lubrication system if necessary.

NOTE

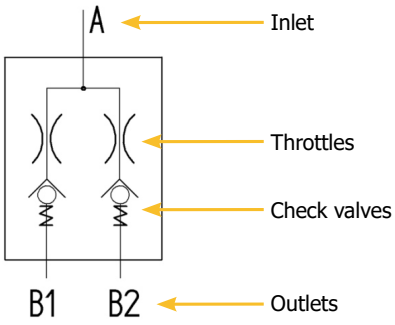
Never close any outlets or modify the splitter in any way. Once the splitter has been modified, the proper function can no longer be guaranteed and the manufacturer's warranty will become void.

6. Models

Splitters are available with 2, 3 or 4 outlets for use with grease or oil >ISO VG100. Splitters with 2 outlets are also available for oil <ISO VG100.

Art. no.	Description	Outlets
LAT-SPLIT-2	Splitter 1:2 for grease	2
LAT-SPLIT-2O	Splitter 1:2 for oil >ISO VG100	2
LAT-SPLIT-2O-S	Splitter 1:2 for oil <ISO VG100	2
LAT-SPLIT-3	Splitter 1:3 for grease	3
LAT-SPLIT-3O	Splitter 1:3 for oil >ISO VG100	3
LAT-SPLIT-4	Splitter 1:4 for grease	4
LAT-SPLIT-4O	Splitter 1:4 for oil >ISO VG100	4

7. Hydraulic circuit diagram



Hydraulic circuit diagram of the splitter 1:2

Splitter for grease or oil

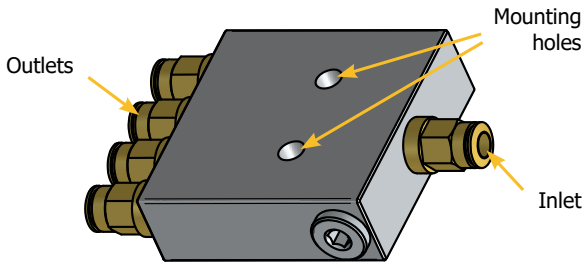
User manual

LAT-SPLIT, LAT-SPLIT-O, LAT-SPLIT-O-S

Gruetzner GmbH
Dagobertstr. 15 • D - 90431 Nuremberg, GER
Tel. +49 911 277 399 0 • info@G-LUBE.com • www.G-LUBE.com

GRUETZNER
AUTOMATIC LUBRICATION

1. Overview Splitter



2. Technical data

Housing			
Dimensions	LAT-SPLIT-2, LAT-SPLIT-2O LAT-SPLIT-2O-S	33 x 94 x 20	mm
	LAT-SPLIT-3, LAT-SPLIT-3O	51 x 94 x 20	mm
	LAT-SPLIT-4, LAT-SPLIT-4O	63 x 94 x 20	mm
Mounting position		any	
Material	Housing	Aluminium	
	Hose adapters	Brass, nickel-plated	
Lubricant and hydraulic			
Number of inlets		1	
Number of outlets		2 / 3 / 4	
Lubricating medium	LAT-SPLIT	Grease up to NLGI 2	
	LAT-SPLIT-O	Oil > ISO VG100	
	LAT-SPLIT-O-S	Oil < ISO VG100	
Operating temperature		+10 to +80 *	°C
Required operating pressure		10	bar
Max. operating pressure		100	bar
Lubricant in-/outlet		for hose 6 mm	
Maximum pressure difference between outlets		4 bar	
Dosing accuracy during proper operation		+ / - 10%	

* The stated value is down to the individual application and may extensively differ in some cases (depending on the lubricant and further conditions).

3. Compatibility

Splitters can be used with all **G-LUBE EM** models, **G-LUBE VIB**, all **LUBRICUS** models and **LUB-S-V**.

4. Product description

Splitters portion the lubricant quantity evenly across the outlets and are suitable for oils and greases up to NLGI grade 2. The amount of lubricant delivered by the lubrication system can be split into two, three or four parts and then transported to the lubrication point.
For this purpose, throttles are installed in the splitter that create a pressure difference of around 10 bar between the lubricant inlet and outlet. Each outlet is also fitted with a non-return valve to prevent the lubricant from overflowing between the outlets.

5. Commissioning

5.1 Mechanical fastening

Fix the splitter mechanically using the mounting holes in the housing. Splitters with 2 outlets have holes with a diameter of 5.5 mm, splitters with 3 or 4 outlets have holes with a diameter of 6.5 mm.

5.2 Hydraulic connection

Connect the supply tube of the lubricator to the inlet of the splitter and the outlets of the splitter to the respective lubrication points. Ensure that the tubes and connectors are tight, clean and properly installed. The tubes should have an inner diameter of at least 4 mm and an outer diameter of 6 mm.
To achieve a pressure increase at the inlet of the splitter, which is necessary for proper function, a maximum tube length of 1 m (recommended < 0.5 m) to the splitter must be maintained.
Ensure that the end of the tube is cut straight. Insert the pre-filled tube into the tube connectors until they stop.

ⓘ Ideally, use tubes prefilled with the appropriate lubricant! Pre-filling the splitter with the appropriate lubricant is recommended.

Do not use a hand-operated press to fill the splitter, as this may cause damage. Use only our designated lubrication systems.

5.3 Avoid pressure differences

An important requirement for the proper functioning of the splitter is to ensure relatively equal back pressures at the various lubrication points. Equal tube lengths and tube cross-sections when connecting the outlets to the lubrication points are ideal here.
If a lubrication point is blocked, the throttling principle of the splitter will result in the lubrication point no longer being supplied, and the lubricant will then flow completely to the other outlets.

5.4 Use of original parts

To ensure trouble-free operation of the splitter, the original accessories should always be used. Due to the high pressures that may occur when pumping lubricant through the splitter, particular attention must be paid to the pressure resistance of the hose connectors and tubes.