

Spring Pressure Lubricators

Automatic lubrication. Refillable. Reusable.

The graduated channels in the meter rod allow the bearing to use grease as required. The lubricator uses Venturi action to discharge lubricant only when the bearing is in motion. The generated pressure is 0,07 bar.

3 springs

- light
- medium
- heavy

Spring selection to be determined by operating temperature and NLGI grade. See table below



**Series 200
Polycarbonate
base**



**Series 300
Metal base**



**Series 500
Corrosion
resistant**



**Series 700
High
temperatures**

Standard model for general applications with minimal vibration, impact, shock, high-torque or centrifugal forces. Spring pressure made of stainless steel.

This model is designed for applications subject to vibration, impact, shock, high-torque or centrifugal forces. Spring pressure made of stainless steel.

This model is nickel-chromed, double-plated for applications where corrosive resistance is required, such as chemical and food processing applications.

This model is ideal for applications in steel mills, foundries, lumber drying kilns, glass plants, nuclear environments and metal heat-treating facilities.

Model		202	205	260	302	305	360	502	505	560	704																				
Capacity	gram	28	56	170	28	56	170	28	56	170	113																				
Height	mm	92	120	153	89	120	152	89	120	152	114,5																				
Ø	mm	45	61	78	45	61	76,2	45	61	75	82,5																				
Thread size	G	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8																				
Dome made of		polycarbonate			polycarbonate			polycarbonate			glass																				
Base made of		polycarbonate			anodized aluminum			nickel-chrome plated			anodized aluminum																				
Piston seal ring		neoprene			neoprene			viton			viton																				
1 piece	Including springs piece x spring (color)	1x ■	1x ■	1x ■	1x ■	1x ■	1x ■	1x ■	1x ■	1x ■	1x ■ 1x ■																				
	Ord.no.	12691	12693	12695	12696	12698	12700	12701	12703	12705	12706																				
Packaging unit 10 pieces	Including springs piece x spring (color)	3x ■	3x ■		3x ■	3x ■		3x ■	3x ■																						
		10x ■	10x ■		10x ■	10x ■		10x ■	10x ■																						
		3x ■	3x ■		3x ■	3x ■		3x ■	3x ■																						
		Ord.no.	12692	12694		12697	12699		12702	12704																					
		Spare springs																													
		<table border="1"> <thead> <tr> <th>For models</th> <th>light ■</th> <th>medium ■</th> <th>heavy ■</th> </tr> <tr> <th></th> <th>Ord.no.</th> <th>Ord.no.</th> <th>Ord.no.</th> </tr> </thead> <tbody> <tr> <td>202 302 502</td> <td>12688</td> <td>12685</td> <td>12682</td> </tr> <tr> <td>205 305 505</td> <td>12689</td> <td>12686</td> <td>12683</td> </tr> <tr> <td>260 360 560</td> <td>12690</td> <td>12687</td> <td>12684</td> </tr> </tbody> </table>										For models	light ■	medium ■	heavy ■		Ord.no.	Ord.no.	Ord.no.	202 302 502	12688	12685	12682	205 305 505	12689	12686	12683	260 360 560	12690	12687	12684
For models	light ■	medium ■	heavy ■																												
	Ord.no.	Ord.no.	Ord.no.																												
202 302 502	12688	12685	12682																												
205 305 505	12689	12686	12683																												
260 360 560	12690	12687	12684																												

Which model to use?	These 4 technical criteria as well as the size determine which model to use: 202-560.	Shaft-Ø		up to 40 mm				over 40 mm			
		Running time		intermittent		continuous		intermittent		continuous	
		Bearing class		open	sealed	open	sealed	open	sealed	open	sealed
		Less than 1000 RPM	202 · 302 502	202 · 302 502	202 · 302 502	202 · 302 502	205 · 305 505	205 · 305 505	205 · 305 505	205 · 305 505	205 · 305 505
1000-2500 RPM	202 · 302 502	202 · 302 502	202 · 302 502	202 · 302 502	205 · 305 505	205 · 305 505	360 · 560	360 · 560	360 · 560		
More than 2500 RPM	205 · 305 505	202 · 302 502	205 · 305 505	205 · 305 505	360 · 560	360 · 560	360 · 560	360 · 560	360 · 560		

Which spring to use?	Units are assembled with medium springs. Additional light and heavy springs are included for applications requiring higher pressure. 2 factors determine the choice of the right spring: the operating temperature and the NLGI grade of the grease. → See table. Note: It is recommended to use lubricants with low shares of base oil.	The right spring selection for operating temperature and NLGI grade	-23 °C to +4 °C	+5 °C to +43 °C	+44 °C to +93 °C	+94 °C to +120 °C	+121 °C to +230 °C	
			0	light	medium	heavy	-	-
			1	light	medium	medium	heavy	-
			2	-	light	medium	medium	heavy
			3	-	-	light	medium	heavy
			4	-	-	medium	medium	heavy



Spring Pressure Lubricators

suitable for general applications.

A coil spring pushes the exact grease dosage out of the refillable container of these spring fed lubricators. The container itself can be filled with a filler and a regular grease gun. The grease dosage is regulated manually via a valve on the grease lubricator. The grease level can be easily monitored as the lubricant reservoir of the lubricator is transparent. Thereby, timely refilling is guaranteed.

The ALS Spring Pressure Lubricators are maintenance-free: they do not require any spare parts or replacement parts

- No more stockkeeping of lubricators with different greasing discharge periods necessary.
- Easy to install in any position. Extension lines can be used for remote lubrication points.
- Easy to refill with grease gun.
- Lubricant quantity can be set by manually adjusting the valve.
- Consistent lubrication release. Every bearing gets just the right grease supply.
- No external power supply needed.
- Easy installation.
- The service intervals of these lubricators are considerably extended, which leads to a reduction of your operating costs.
- Lubrication consumption can be visually monitored from outside scale.
- No more overgreasing of bearings with the correct settings.
- Improved safety and reliable long-term lubrication.
- These lubricators do not need any spare parts or replacement parts.

Model	ALS SB 50	ALS SB 501
Powered by	spring pressure	spring pressure
Thread size	R 1/8	R 1/8
Number of outlets	1	3
Container-Ø	66 mm	86 mm
Height	121 mm	122 mm
Volume	160 gram	350 gram
NLGI grade	1-2	1-2
Pressure at outlet	ca. 1 bar	ca. 1 bar
Operating temperature	ca. -0 °C to +60 °C	ca. -0 °C to +60 °C
Settings for lubricating time and quantity	adjustable through mini valve (SB 101)	adjustable through mini valve (SB 101)
Ord.no.	13145	13146