



HTL Hydraulic Lubricator Pump for Hammers

- Delivers precise lubrication every time the hammer cycles
- Increase productivity—no work interruption
- Reduces machine repairs and replacement costs

Arms and breakers move constantly and exert enough force to demolish a building or repair roads in a tough environment filled with grit and debris. OEMs recommend bearing lubrication of that hammer every two hours to achieve optimal performance and to hold down maintenance and repair costs. However, deadline-driven operators rarely halt work to grease the hammer, which can lead to breakdowns that grind down productivity and inflate repair expenses. Lincoln's HTL Pumps make precise, consistent lubrication a reality. Now your operator can lubricate the hammer without leaving the cab. The pumps attach directly to the hammer, and your operator, with the push of a pedal, automatically sends a single shot of hydraulic fluid to the pump. Then the pump gives one shot of grease to lubricate the bearing points. When the operator's foot comes off the pedal, pressure releases the spring in the pump so it's ready to lubricate again.

Applications: construction OEMs, hydraulic hammer retrofits, demolition attachments and medium to larger breakers/hammers

- Withstands vibrations of an operating hammer
- Travels with hammer, perfect for rental equipment or hammers used on various machines
- Hydraulic power supply
- Pedal-actuated
- Attached grease fitting allows for manual filling and fast priming of pump
- Uses standard 14.5-ounce grease cartridges and handles chisel paste
- To adjust output, metering plugs are available (0.006 in³ [0.1cm³] to 0.031 in³ [0.5cm³])
- Convenient visual low level indicator

Operating Temperature:	-10°F to +180°F / -23°C to +80°C
Hydraulic Port:	SAE #4 (1/16"-20 UNF) O-ring
Pump Outlet:	SAE #4 (1/16"-20 UNF) O-ring
Weight (Empty):	16.3 lbs. / 7.4 kg
Weight (Full):	17.3 lbs. / 7.8 kg

Specifications

Model No.	85429	85425	85424	85414
Hydraulic Ratio at Max. Output and Pressure*	2.4:1	0.7:1		
Max. Hydraulic Operating Pressure:	2600 psig (112 bar)	5000 psig (345 bar)		
Max. Recharge (or Vent) Pressure:	400 psig (28 bar)	1100 psig (75 bar)	600 psig (41 bar)	1100 psig (75 bar)
Max. Lube Outlet Pressure:	6500 psig (450 bar)			
Output per Stroke (Std. Metering Plug)	.018 cu. in. (0.3 cc) Std. .006 - .031 cu. in. (0.1 - .5 cc) Optional*		.031 cu. in. (0.5 cc) Std. .006 - .031 cu. in. (0.1 - .5 cc) Optional*	
Grease Reservoir Volume:	14.5 oz.			

*Optional metering plugs are available for different output volume. See Pump Output Adjustment chart below.

Pump Output Adjustment Metering Plug

Model No.	Output per Stroke
271924	0.006 in ³ / 0.1 cm ³
271925	0.012 in ³ / 0.2 cm ³
271926 *	0.018 in ³ / 0.3 cm ³
271927	0.031 in ³ / 0.5 cm ³

*Note: Standard plug included with pump

203 Pumps Designed for Hammer Applications*

Model No.	Description	Low Level	Timer	Element	Reservoir	Voltage	Pressure Relief Valve
271374	P203-4XNBO-1C7-24-1A1.10	No	No	7mm Chisel	4L	24	Yes
272633	P203-4XLBO-1C7-24-2A1.10	Yes	No	7mm Chisel	4L	24	Yes
272643	P203-4XLBO-1C7-12-2A1.10	Yes	No	7mm Chisel	4L	12	Yes
273426	P203-4XLBO-1K5-24-2A1.10	Yes	No	5mm Std.	4L	24	Yes
272632	P203-8XLBO-1C7-24-2A1.10	Yes	No	7mm Chisel	8L	24	Yes
273422 **	P203-8XLBO-2K7-24-2A1.10	Yes	No	2 x 7mm Std.	8L	24	Yes
273425	P203-8XLBO-1K7-24-2A1.10	Yes	No	7mm Std.	8L	24	Yes

* Chisel paste compatibility must be confirmed by Lincoln technical.

** Pump comes with 272634 kit installed for double output



203 Hammer Pump Accessories

Model No.	Description
272634	Double output kit (front and side)
274149	Triple output kit
600-28750-1	7mm chisel paste element
274847	Double output kit (side to side)

Push-Button Switches



Model No.	Description	Color	Voltage
664-36070-5	Illuminated Manual Switch	Green	12 VDC
664-36070-6	Illuminated Manual Switch	Green	24 VDC
664-34005-5	Illuminated Manual Switch	Red	12VDC
664-34005-6	Illuminated Manual Switch	Red	24 VDC
237-13381-2	Replacement Bulb		12 VDC
237-13381-3	Replacement Bulb		24 VDC
236-10580-1	Replacement Lens	Green	
236-14261-9	Replacement Lens	Red	

Pressure Relief Valves



Model No.	Pressure Relief Setting	Supply Line Connection
270864	4000 psi / 270 bar	1/8" NPT (female)
624-28894-1	5076 psi / 350 bar	6 mm Compression Nut*
624-28895-1	5076 psi / 350 bar	8 mm Compression Nut
624-28931-1**	5076 psi / 350 bar	6 mm Quickclinc*
304-19614-1	Adapter	6 mm Stem x 1/8" NPT (female)

* 6 mm x 1/8" NPT supply line adapter (Model 304-19614-1) can be used to convert supply line connection to 1/8" NPT for these models.

** Return to tank

Note: Model 226-14105-5 (psi relief adapter) is required for 4-, 8- and 15-liter pump models

Proximity Switches

Electric grease pumps with Feedback Monitoring require purchase of one of the following proximity switches:



Model No.	Description	Use with Corresponding Pump Connection
519-34339-3	Bayonet 3 m (9.8') cable length	4 - bayonet quarter turn
519-34339-4	Bayonet 7 m (23.0') cable length	4 - bayonet quarter turn
519-34271-2	3 m (9.8') with open end	
519-34271-7	AMP 3 m (9.8') cable length	4 - AMP (existing field models)
519-34271-8	AMP 7 m (23.0') cable length	4 - AMP (existing field models)