

Hydraulic Tool Lubrication Pump HTL101



The HTL101 pump is a hydraulically driven centralized lubrication pump. It is used mainly for the lubrication of hydraulic hammers. However, it can also be used for the lubrication of other hydraulically driven devices.

As a compact small-sized pump, the HTL101 is ideal for being mounted directly on the hammer or any other attached devices. The drive is effected via the hydraulic system of the carrier device. While the hammer or any other attached device operates, the pump continuously supplies lubricants such as chisel paste or greases up to NLGI class 2 to the connected lube point(s).

The pump is provided with lubricant by means of an exchangeable 400 g cartridge. The red follower piston in the cartridge serves as a visual control of the grease level. When the follower piston reaches the low-level position (control window), the cartridge must be replaced.

The pump output can be controlled via an adjustable fine throttle and can therefore be adopted to most hammer sizes.

The function of the pump can be checked by observing whether the eccentric shaft turns or whether the grease-level position of the follower piston changes.



HTL 101 Pump

The pump is suitable for operating at ambient temperatures down to -25° C (-13° F) as well as under water (10 m or 32.8 feet).

Technical Data

output	0.22 cm ³ /rotation	0.13 in ³ /rotation
operating temperature	- 25° C to 80° C	- 13° F to 176° F
factory setting	4 rpm (setting range 2-20 rpm)	4 rpm
setting of pressure relief valve	120 bar (grease pressure)	1740 psi
max. hydraulic pressure	250 bar	3626 psi
min. hydraulic pressure	40 bar	580 psi
oil pressure connector	M 16 x 1.5 mm	
oil return line connector	M 16 x 1.5 mm	
feed line connection	G 1/4	
feed line connections	3 different outlets (top, bottom, back)	

Dimensions

Height (Cartridge Included)	Depth	Depth
302 mm (11.2 in)	173 mm (6.8 in)	85 mm (3.4 in)



HTL Cartridge

Popular HTL101 Models

Part No.	Model
642-40950-1	HTL101
642-40950-4	HTL101 Flange

Current HTL 201 cartridges

Part No.	
642-37608-4	5 packages with 12 cartridges chisel paste Ln
642-37631-2	10 packages with 12 cartridges chisel paste Ln
642-37609-2	1 package with 12 cartridges grease EP2
642-37608-1	1 package with 12 cartridges chisel paste Fu
642-37608-8	1 package with 12 cartridges chisel paste Ln

Hydraulic Tool Lubrication Pump HTL 201



The hydraulic lubrication pump HTL 201 was specially developed to minimize friction and wear on small-series hydraulic hammers from 300 kg onward. This pump is a miniature version of the successful Lincoln HTL 101 hydraulic pump series.

The HTL 201 is suitable for all hydraulic attachments such as hammers, grippers or pliers, as well as for mini excavators.



Pump HTL 201

Technical Data

hydraulic system (carrier device)	
hydraulic inlet pressure	P 80 to 210 bars
min. starting pressure	25 bars and visual indication
lubrication pump HTL 201	
output	0.14 cm ³ /stroke
max. operating pressure (lubricant): pressure relief valve (standard)	120 bars
pressure relief valve (optional)	270 bars
admissible operating temperature	-25°C to +60°C
pressure connection P	G 1/4
relief line connection T	G 1/4
feed line	G 1/4
factory setting	
throttle	fully opened
max. output	depending on inlet pressure

Technical Data

Part No.	
642-41084-1	HTL201 with pump element K6
642-41084-3	HTL201 with pump element K6 and visual indication
642-41084-2	HTL201 with pump element C6
642-41084-4	HTL201 with pump element C6 and visual indication

Current HTL 201 cartridges

Part No.	
642-37608-4	12 cartridges with chisel paste, 150 g
642-37609-3	12 cartridges with grease EP 2, 150 g
642-37632-2	12 cartridges with chisel paste, 310 g
642-37609-4	12 cartridges with grease EP 2, 310 g

Accessories

Part No.	
542-33047-1	Visual indication
542-33136-1	Adapter kit for 400-g cartridge, trapezoidal thread TR 22 x 2.75
542-33135-1	Adapter kit for 500-g cartridge, trapezoidal thread TR 20 x 2.5
542-33134-1	Reservoir for oil including strainer & adapter kit

Dimensions

Height (including cartridge 310 g)	Width	Depth
286 mm	183 mm	79 mm

The HTL 201 is very compact (length 183 mm x width 80mm x height 80mm – plus the dimensions of the cartridge) and can therefore be mounted directly on the hammer or other attachment – even on those small series attachments where there just doesn't seem to be any space.

The pump is driven by the hydraulic system of the carrier machine. The HTL 201 enables a continuous lubricant supply with small quantities while the hydraulic unit is operating.

Validated Environmental Information

The hydraulically operated lubrication pump HTL 201 was developed for the lubrication of small hydraulic devices. The pump is very compact and is mounted directly on the hydraulic device. In comparison to the HTL 101, the lubricant output has further been reduced, while still providing a continuous, small quantity of lubricant supply that only occurs while the hammer or device is operating.

Lincoln Environmental Declaration:
www.lincolnindustrial.de/Environment