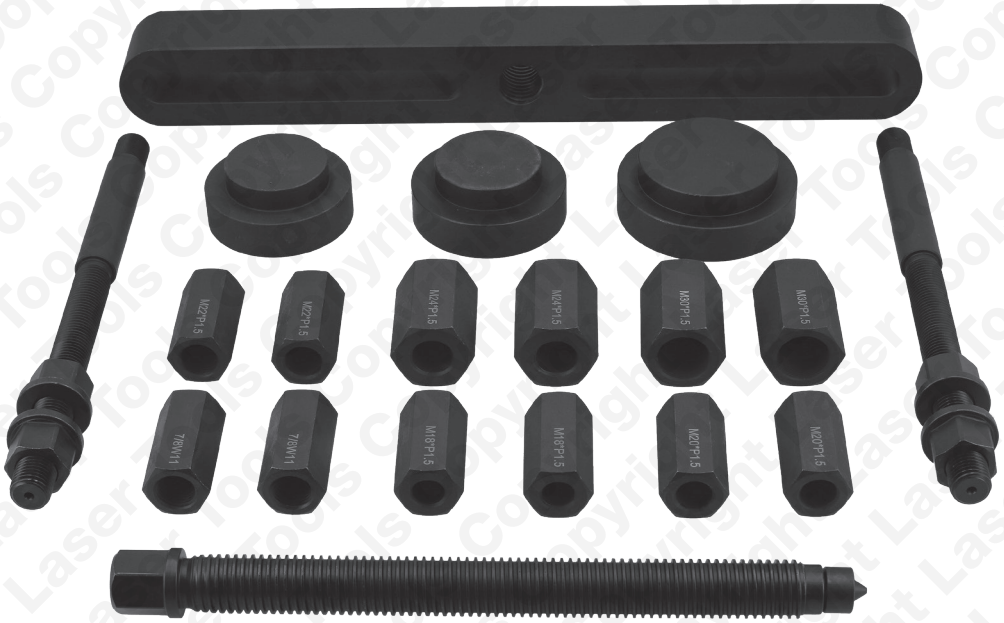
Part No. 8498

LASER®

Adjustable Hub Puller
for HGVs

Instructions



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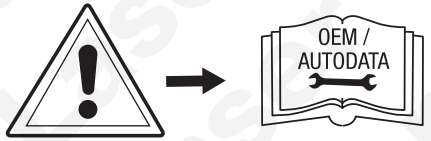
Introduction

Designed to allow the operator to pull off HGV wheel hubs in a controlled manner, this heavy-duty puller is supplied with six pairs of wheel stud adaptors and features an adjustment range (between wheel bolts) of 110mm to 448mm PCD (pitch circle diameter).

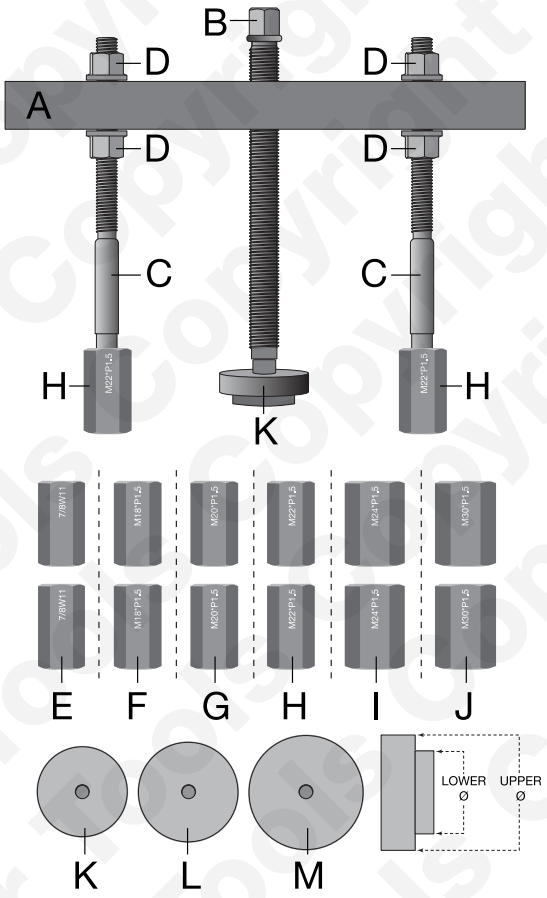
Stud thread adaptors included: M18 x 1.5mm, M20 x 1.5mm, M22 x 1.5mm, M24 x 1.5mm, M30 x 1.5mm, 7/8" BSF/W. Supplied with three axle pressure plates (90mm Ø, 95mm Ø and 110mm Ø). Applications include: Fuso, Hino, MAN, DAF, Mercedes-Benz, Renault, Scania, Sauer, Volvo. The full kit is supplied in a metal tin for safe workshop storage.

The following instructions are for guidance only. Please refer to OEM derived data such as the vehicle manufacturers' own data or Autodata.

The use of this tool is purely down to the user's discretion and The Tool Connection Ltd. cannot be held responsible for any damage caused whatsoever.



Components



Ref.	Description
A	Load Beam
B	Central Force Screw M20
C	Puller Support Legs
D	Support Leg Securing Nuts M22
E	Stud Thread Adaptor (7/8" BSF/W)
F	Stud Thread Adaptor (M18 x 1.5mm)
G	Stud Thread Adaptor (M20 x 1.5mm)
H	Stud Thread Adaptor (M22 x 1.5mm)
I	Stud Thread Adaptor (M24 x 1.5mm)
J	Stud Thread Adaptor (M30 x 1.5mm)
K	Pressure Plate (90mm upper Ø. 62.7mm lower Ø)
L	Pressure Plate (95mm upper Ø. 65mm lower Ø)
M	Pressure Plate (110mm upper Ø. 85mm lower Ø)

Operation

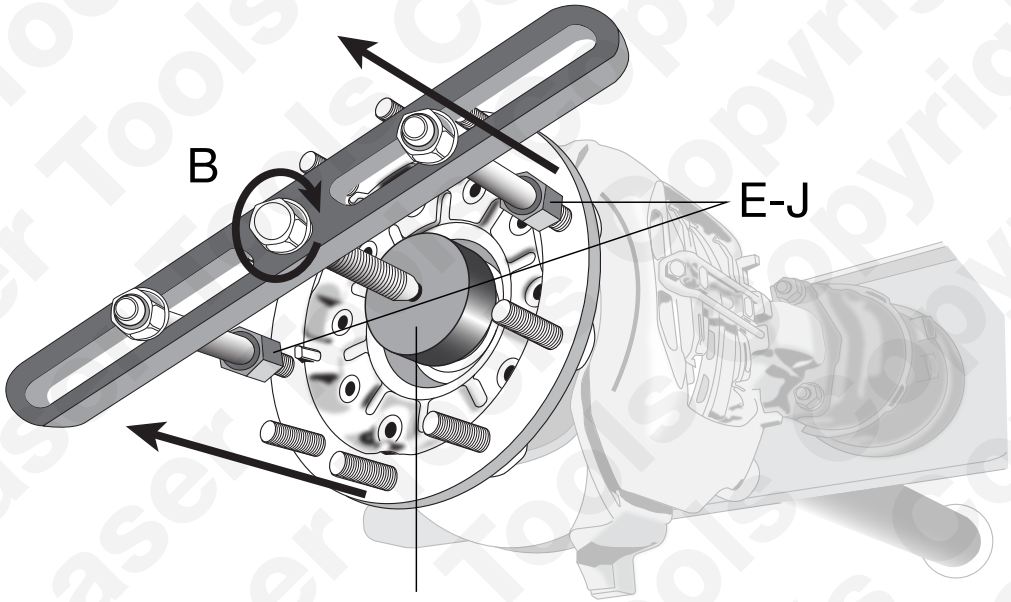


Fig 1

Refer to Figure 1. Assemble components as shown, choosing the correct stud thread adaptors (**E** – **J**) to suit the wheel studs. **Ensure that the central force screw (B) and the stud thread adaptors are adequately lubricated with molybdenum disulphide grease.**

Choose the pressure plate (**K** – **M**) that will securely locate in the hub carrier and allow the hub to pass past the pressure plate as it is extracted.

Ensure that the puller support legs are secure and the whole structure is rigid and square by tightening the support leg securing nuts (32mm socket or spanner).

To extract the hub, steadily turn the central force screw (**B**) clockwise. Ensure the extraction is steady and gradual.

Precautions

- Always read these instructions carefully before using the tool.
- Refer to the vehicle manufacturer's documentation for the correct procedure.
- Wear eye protection and protective gloves.
- Wear suitable clothing to avoid catching or snagging; remove watches, rings, etc. Tie back long hair.
- Visually inspect all equipment before use for signs of damage or wear and tear. Any defective or suspect equipment should be repaired or replaced before use.
- Use caution when using these tools — components are heavy.
- Do not use these tools for any purpose other than that for which they have been designed.
- If vehicle is raised, ensure it is adequately supported with axle stands, ramps, etc, as appropriate.
- Do not use air tools with this product.
- Always grease the centre force screw and stud thread adaptors before and after every job with a high quality molybdenum disulphide grease.
- Always check that the puller is correctly assembled and is correctly aligned, straight and square with the bearing housing, etc. Danger of breakage or damage if this is not adhered to.
- When finished, account for all tools and parts being used.
- Maintain the tools in good and clean condition and always return to case for safekeeping.

Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by the Tool Connection for incorrect use of any of our products, and the Tool Connection cannot be held responsible for any damage to personnel, property or equipment when using the tools. Incorrect use will also invalidate the warranty.

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If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.

Safety First. Be Protected.

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Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186.** Normal wear and tear are excluded as are consumable items and abuse.