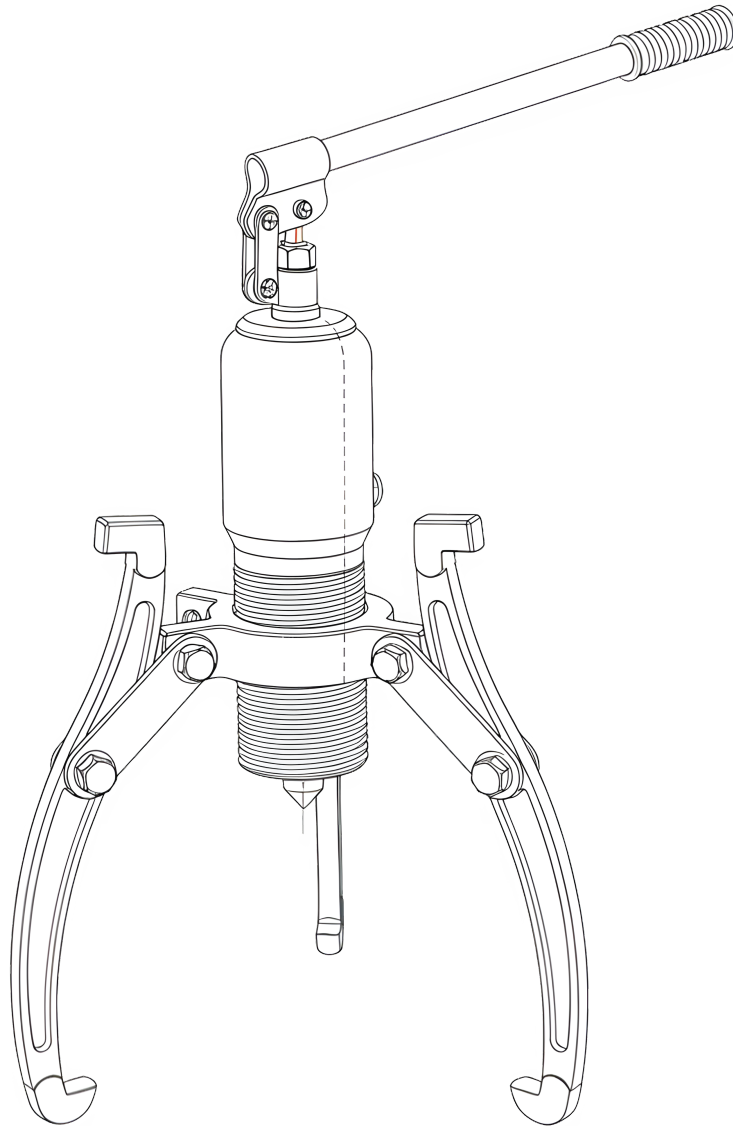


Instruction Manual

Integral Hydraulic Puller



YL Series

As part of continuous improvements, the actual product may differ slightly from the description provided here.

General Safety Rules

Safety is essential when using and maintaining these tools and equipment. This instruction manual, along with any markings on the tool, provides information for avoiding hazards and unsafe practices. Please observe all safety instructions provided.

1. **Work Area Safety** – Keep your work area clean and keep children away.
2. **Personal Safety** – Stay alert and use the tool properly.
3. **Service** – Have your hydraulic gear puller serviced by a qualified technician, using only identical replacement parts.

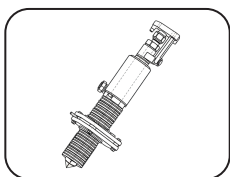
Usage

The YL Series Pullers are designed to pull items such as bearings, pulleys, and chucks from shafts.

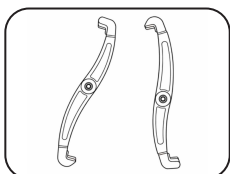
- The jaws can grip the object from either the inside or outside, depending on which provides the best hold.
- The piston pushes against the central shaft while the jaws pull outward, removing the item evenly and straight, without hammering or pulling at an angle.

Operating Instruction

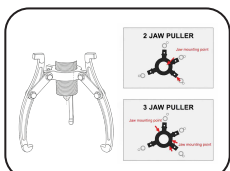
1. Assembly



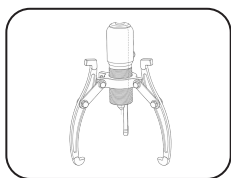
1. Thread the Puller Sleeve onto the Puller Unit until it reaches about halfway along the threaded section.



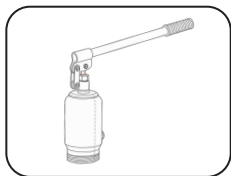
2. Decide whether to grip from the outside or inside: Hooks face inward for outside grip. Hooks face outward for inside grip.



3. Choose one of the four jaw positions (upper/lower holes, inside/outside). **Warning:** All jaws must face the same direction.



4. Attach the three jaws to the Puller Sleeve using two Connector Plates and two Bolt Sets each.



5. Insert the Handle securely into the Pump Handle Socket.

2. Open the Return Valve to fully retract the piston. Close the Return Valve by turning it clockwise until hand-tight. Do not overtighten to avoid seal damage.
3. Place the jaws around (or inside) the item to be pulled, ensuring a firm grip.
4. While holding the jaws, rotate the Puller Unit on the Puller Sleeve until the piston contacts the workpiece.
5. Pump the handle up and down to drive the piston downward, causing the jaws to pull upward.
6. Continue pumping while ensuring the jaws remain secure and the object is not being damaged.
7. In most cases, pressure will build up until the gear puller suddenly loosens and releases. Support it to prevent falling.
8. When finished, open the Return Valve by turning it one turn counterclockwise (do not remove). Remove the puller from the workpiece.
9. To prevent accidents, clean and store the gear puller indoors, out of children's reach.

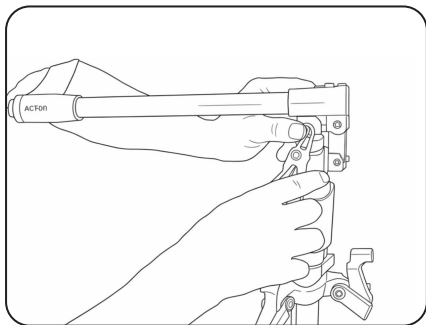
Specifications

Model	Output	Reach Max	Spread max	Axes Travel
YL-5T	5T	140mm	200mm	50mm
YL-10T	10T	160mm	250mm	50mm
YL-15T	15T	180mm	300mm	55mm
YL-20T	20T	200mm	350mm	75mm
YL-30T	30T	250mm	400mm	75mm
YL-50T	50T	350mm	500mm	75mm

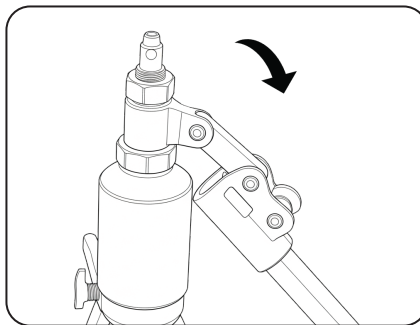
Maintenance Instructions

1. Cleanliness – Keep the tool clean for better and safer performance. Dust, sand, and dirt are harmful to hydraulic devices. Clean all movable parts with a cloth after every use.
2. Condition Check – Do not operate if the tool is damaged, misaligned, or incorrectly assembled. Inspect for broken parts or conditions affecting performance. Repair or replace only at authorized facilities.
3. Repairs – Repairs must be performed by qualified personnel using original spare parts. Improper repairs may cause danger to the user.
4. Hydraulic Oil – When replacing oil, use Hydraulic Oil ISO VG #15 – #46.

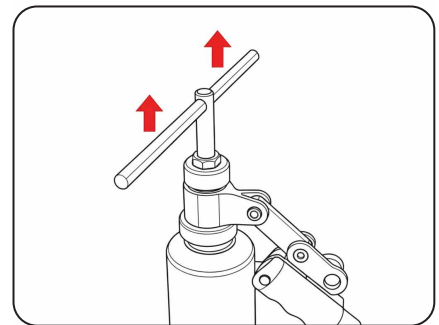
Hydraulic Oil Filling



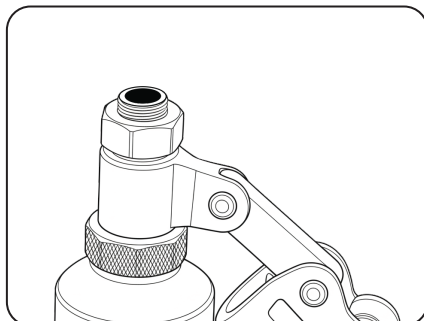
1. Remove the circlip using circlip pliers.



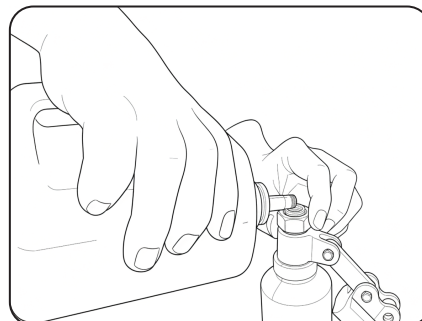
2. Open the handle.



3. Pull the plunger up and out.

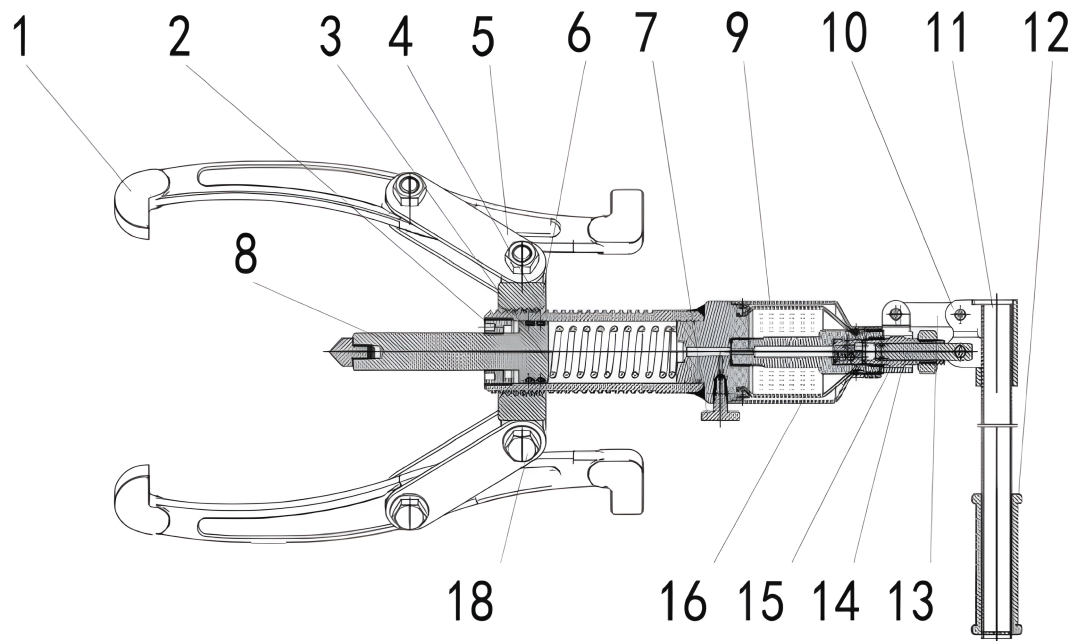


4. Expose the oil filling port.



5. Add hydraulic oil as required.

YL Series Component Overview



Part	Description	Qty.
1	Jaw	3
2	Piston	1
3	Spring	1
4	Oil Cylinder	1
5	Connector Plate	6
6	Puller Sleeve	1
7	Return Valve	1
8	Piston	1
9	Outer Sleeve	1
10	Pump Handle Socket	1
11	Handle	1
12	Anti-slip Handle Cover	1
13	Connecting Rod	2
14	Pump Axle	1
15	Pump Core	1
16	Oil Reservoir	1
17	Oil Seal	1
18	Bolt/Washer/Nut Set	6

Safety Information

Disregarding these warnings may result in serious injury or damage to equipment and property.

1. YL-5T delivers up to 5 tons, YL-10T up to 10 tons, YL-20T up to 20 tons, YL-30T up to 30 tons, and YL-50T up to 50 tons.
2. Do not use on any workpiece that cannot withstand these forces.
3. Do not drop or expose the tool to shocks. Internal precision parts may be damaged.
4. Do not expose the tool to water, rain, oil, or solvents.
5. Keep the tool away from excessive heat. Do not expose to temperatures above 80°C, which may weaken seals.
6. When not in use, store in a dry environment, out of children's reach.
7. Hydraulic fluid under pressure can cause severe injury or death. Do not use your body to check for leaks. If exposed, seek medical attention immediately.
8. Keep the work area clear of unnecessary items to prevent accidents.

