

12 TON HYDRAULIC SHOP PRESS

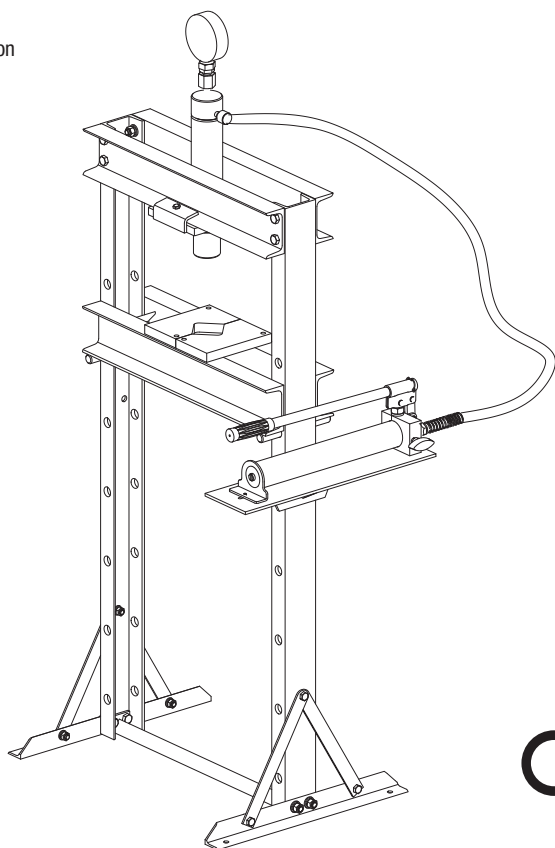
(FR) PRESSE D'ATELIER HYDRAULIQUE

(ES) PRENSA HIDRÁULICA DE TALLER

(DE) HYDRAULISCHE PRESS

(RU) МАГАЗИН ПРЕССЫ

Item: TY12002
Capacity: 12 Ton



CE

⚠ WARNING!

Read carefully and understand all ASSEMBLY AND OPERATION INSTRUCTIONS before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

TECHNICAL SPECIFICATIONS

	Description
Item	TY12002
Capacity	12 TON
Bed Opening	80mm
Work Range	0~920mm
Stroke Length	165mm
Inside Bed Dimensions L x W	80×500mm
Dimensions L x W x H	770×500×1665mm

SAFETY MARKINGS

⚠ WARNING!

1. Study, understand, and follow all instructions before operating the device.
2. Do not exceed rated capacity.
3. Prior to use, make sure the press is securely anchored.
4. The press shall be installed and operated in accordance with instructions.
5. Ensure the work area is clean and free of any hazards before operation.
6. Keep hands, arms, feet, and legs out of the work area. Accidental slippage can result in personal injury.
7. Use appropriate guarding to contain any pieces that may break or fly apart when applying force.
8. Use only press accessories having a capacity rating equal to or greater than the capacity of the press.
9. Verify lift cables are slack before pressing on the bolster.
10. Avoid off-center loads.
11. No alterations shall be made to the product.
12. Do not use this press for any use other than the manufacturer specified usage.
13. Failure to heed and understand these instructions and markings may result in personal injury, property damage, or both.

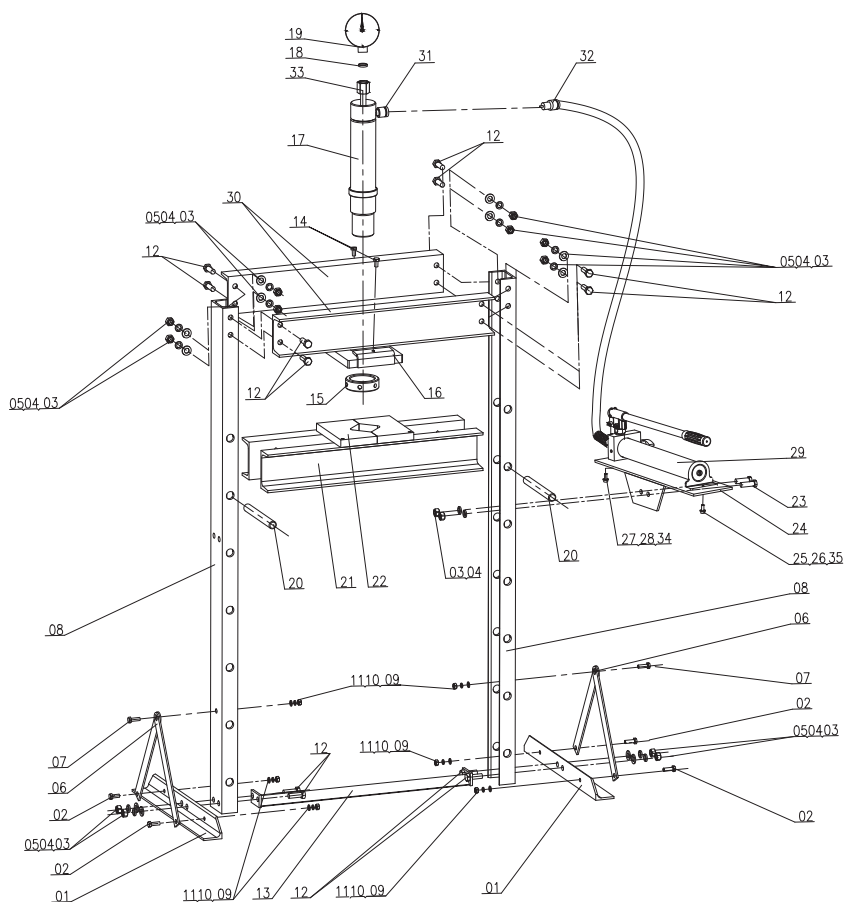
PARTS LIST

SHOP PRESS PARTS LIST (figure a)

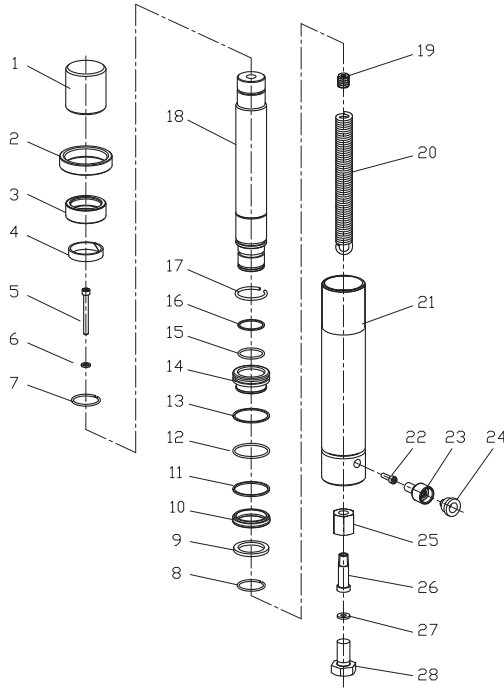
No.	Description	QTY
1	base supports	2
2	bolt M10×25	4
3	nuts M12	14
4	spring washer 12	14
5	washer 12	12
6	knighthead	4
7	bolt M10×30	2
8	post	2
9	nuts M10	6
10	spring washer 10	6
11	washer 10	6
12	bolt M12×35	12
13	spreader	1
14	bolt M8×16	2
15	under round nut	1
16	jack fired seat	1
17	press cylinder	1
18	nylon ring	1

No.	Description	QTY
19	pressure gauge	1
20	support pins	2
21	bed flat	1
22	heel block	2
23	bolt M12×30	2
24	fixer plate	1
25	bolt M6×16	1
26	washer 6	1
27	bolt M8×16	1
28	washer 8	1
29	press pump	1
30	upper crossbeam	2
31	connecting nut	1
32	hose fitting	1
33	gauge connection nut	1
34	spring washer 8	1
35	spring washer 6	1

SHOP PRESS PARTS LIST (a)



RAM PARTS LIST (b)

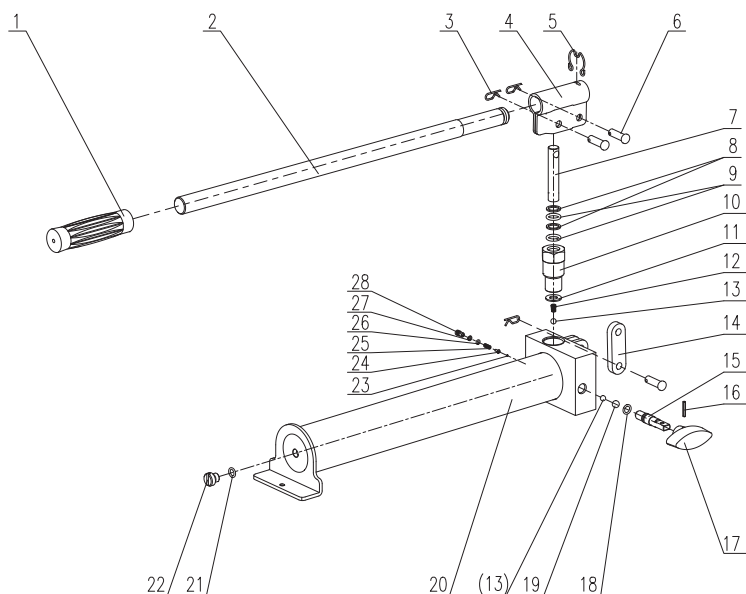


RAM PARTS LIST (figure b)

No.	Description	QTY
1	End Cap	1
2	Upper collar	1
3	Threaded ring	1
4	guide ring	1
5	Bolt M8X70	1
6	Washer	1
7	Circlip	1
8	Circlip	1
9	ring	1
10	Y-ring	1
11	Sealing ring	1
12	ring	1
13	Retaining ring	1
14	Threaded end	1
15	Ring	1

No.	Description	QTY
16	Retaining ring	1
17	Circlip	1
18	Ram piston	1
19	Spring nut	1
20	Spring	1
21	Cylinder body	1
22	Hex socket blot M8x30	1
23	Connector	1
24	Dust cap	1
25	Gauge coupling	1
26	Connecting insert	1
27	Sealing washer	1
28	Blot M20x25	1

PUMP PARTS LIST (C)



PUMP PARTS LIST (figure c)

No.	Description	QTY
1	handle grip	1
2	handle	1
3	torsional spring latch	3
4	socket	1
5	socket spring	1
6	pin	3
7	piston	1
8	seal	2
9	O-ring	2
10	clamping nut	1
11	copper pad	1
12	spring	1
13	6mm stell ball	2
14	connecting rod	1

No.	Description	QTY
15	release valve stem	1
16	pin ϕ 3×20	1
17	release valve stem handle	1
18	O-ring	1
19	8mm stell ball	1
20	base	1
21	O-ring 8.5×2.65G	1
22	seal screw	1
23	2mm stell ball	1
24	spring plate	1
25	spring	1
26	O-ring	1
27	seal	1
28	pressure adjusting screw	1

ASSEMBLY INSTRUCTIONS

Use the exploded drawing as your guide to assemble. Lay all parts and assemblies out in front of you before beginning. The following procedure is recommended:

- Attach one base support (01) to left post and spreader (13) using bolts (12), washers (05), lock washers (04) and nuts (03), then attach another to right post and the spreader.
- Fix one end of knighthead (06) to the base support (01) and another end to the post (08) using bolts (12), washers (05), lock washers (04) and nuts (03).
- Put the press frame in an upright position, attach one upper cross beam (30) to left and right posts (08) using bolts (12), washers (05), lock washers (04) and nuts (03).
- Put another upper crossbeam into position and insert the jack fired seat (16) to the two upper cross beams at the same time, then secure this cross beam to the posts using bolts (12), washers (05), lock washers (04) and nuts (03).
- Screw the upper round nut onto the ram (17), insert the ram into the hole in the jack fired seat (16), then screw the under round nut (15) onto the ram.
- Insert support pins (20) into the holes in the posts, then insert the joined press bed flat (21) into press frame and onto support pin.
- Attach the setting plate (24) to the right post using bolts (23), lock washers (04) and nuts (03), then secure the pump assembly using the screws (25) and washers (26), then insert the handle to the handle bracket.
- Connect the hydraulic hose fitting (32) to the connection nut (31) and assemble the pressure gauge (19) to the pressure gauge connection nut (33) which is on the top of ram (17).
- Tighten all bolts and screws.

BEFORE FIRST USE

- Before first use of this product, purge away air from the hydraulic system: open the release valve by turning it counterclockwise. Pump several full strokes to eliminate any air in the system.
- Check all parts and conditions, if there is any part broken, stop using it and contact your supplier immediately.

OPERATING INSTRUCTIONS

WARNING! ENSURE THAT YOU READ, UNDERSTAND AND APPLY THE SAFETY INSTRUCTIONS AND WARNINGS BEFORE USE.

- Place the heel block on press bed frame, then insert workpiece onto the heel block.
- Close the release valve by turning it clockwise until it is firmly closed.
- Pump the handle until serrated saddle nears workpiece.
- Align workpiece and ram to ensure center-loading.
- Pump the handle to apply load onto workpiece.
- When work is done, stop pumping the handle, slowly and carefully remove load from workpiece by turning the release valve counterclockwise in small increments.
- Once ram has fully retracted, remove workplace from bed frame.

MAINTENANCE

- Clean the outside of the press with dry, clean and soft cloth and periodically lubricate the joints and all moving parts with a light oil as needed.
- When not in use, store the press in a dry location with ram and piston fully retracted.
- When press efficiency drops, purge always air from hydraulic system as described before.
- Check the hydraulic oil; remove the oil filler nut on the top of the reservoir, if the oil is not adequate, fill with high quality hydraulic jack oil as necessary, then replace the oil filler nut, purge away air from the hydraulic system.