



WTC MACHINERY Engineered to perform. Built to last.

WTC Machinery is a global leader in designing and building machinery and tooling for heavy equipment repair facilities.

MPP150 Portable Pin Press

Overview

WTC Machinery's mid-range MPP150 Portable Pin Press, with a pressing force up to 150 tons is a workhorse able to handle those tougher jobs. This pin press features a tie rod design making it easier to service larger construction or mining equipment and is ideally suited to service excavators and bulldozers up to a Caterpillar D10, Komatsu PC800, and D275. With the full range of tooling, the MPP150 pin press can service track style chains with pin diameters ranging from .87" (22,0mm) up to 2.75" (69,8mm).



MPP150

The MPP150 press is available without a hydraulic pump, or we provide several durable pumps to match shop or a service truck power. For safety during use, we also offer an optional pressure gauge, lifting sling (engineered specifically for use with this press) and a safety blanket (to protect from possible flying debris).

To protect your investment and keep everything together in one convenient spot WTC offers either a custom storage/travel box or a travel skid with optional cover for safe and secure storage and transportation of your MPP150 press, pump and tooling.



Travel Box
MPP150-SB



Travel Skid
MPP150-TS



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MANUFACTURERS/BENEFICIARY'S WARRANTY CERTIFICATE WTC MACHINERY, LLC WARRANTY

WTC MACHINERY, LLC warrants its products to be free from defects in material and workmanship under normal use and service for a period of twelve (12) months after date of shipment. WTC MACHINERY, LLC undertakes to be responsible for any defect that may arise due to faulty raw materials, design, workmanship and defective parts and to replace them without extra cost. Freight charges are the customer's responsibility. Our warranty is not transferable.

WTC MACHINERY, LLC shall have the option of requiring the return of all parts claimed defective. Parts proved to be defective, due to defect in workmanship and/or material, shall be either repaired or replaced free of charge, F.O.B. our designated factory. All parts warranty claims are subject to inspection by WTC MACHINERY, LLC and acceptance at the factory

Our warranty does not obligate us to bear the cost of labor or transportation charges in connection with the replacement or repair of defective parts and the removal and/or remounting of the parts repaired or replaced under this warranty, unless specifically authorized in writing by WTC MACHINERY, LLC. All parts returned to the factory must be shipped freight prepaid; no collect freight will be accepted by the factory. Forms authorizing such returns for inspection must accompany all returns.

This warranty shall not apply to products not manufactured by WTC MACHINERY, LLC. Outside purchased equipment and accessories (not of WTC manufacture) are warranted only to the extent of the original equipment manufacturer's warranty and subject to their allowance to WTC MACHINERY, LLC. In this respect, our warranty obligations must conform and be limited to the warranty extended to WTC MACHINERY, LLC by its suppliers as extended to the customer.

We shall, in no event, be liable for consequential damages or contingent liability arising out of the failure of any unit or part to operate properly, or that is subject to:

- Ordinary operating wear, abuse, misuse, or overloading;
- Repairs or alterations by parties other than WTC MACHINERY, LLC;
- The use of improper fluids, contaminated fluids or improper filtering;
- The use of improper voltage hookup in the electrical connections of any equipment;
- Negligence, accident or damages due to deterioration during periods of storage by the purchaser prior to installation and operation;
- Damages occurred in shipment after leaving factory en route to customers' delivery point, as title to equipment passes to customer when loaded onboard for shipment, f.o.b. factory, and customer must place his own claim against damaged goods directly to the shipping company and not against WTC MACHINERY, LLC, its factory, or any of its personnel.
- Damages due to circumstances beyond the control of WTC MACHINERY, LLC and in connection with fulfilling any obligation under this warranty.

To the maximum extent permitted by applicable law, in no event shall WTC Machinery, LLC be liable for indirect, special, incidental or consequential damages resulting from personal injury, loss of business profits or business interruption from the use of its products, or from the inability to use its products.

This warranty is exclusive and is in lieu of all other expressed and implied warranties, including but not limited to implied warranties or merchantability and fitness for a particular purpose. WTC MACHINERY, LLC shall not be subject to any other obligations or liabilities whatsoever with respect to equipment manufactured or supplied by WTC MACHINERY, LLC, or services rendered to it.



SECTION 2 – MPP150 Portable Pin Press Specifications

DIMENSIONS

Weight (less Hydraulic Power Supply) 800 lbs (364 kg) **Length**64 inches (1,63 m)
Width 12 inches (0,30 m) **Height** 18 inches (0,46 m)

ENVIRONMENTAL

Operating Temperature Range - -40 to 100 °F (-40 to 38 °C) (See page 5 for hydraulic oil recommendations)

Storage Conditions - 0 to 150 °F (-18 to 65 °C) Non-condensing Moisture

PRESSING CAPACITY

150 Short Tons (136 tonnes)

HYDRAULIC CYLINDER STROKE

Stroke – 16 inches (406 mm) Bore – 6.12 inches (155 mm)

THROAT DIMENSIONS

Width – 27 inches (686 mm) Depth – 10 inches (254 mm)

TRACK MODELS

Caterpillar D10 & Smaller, Komatsu D275, PC800 & Smaller, & All Comparable Models

HYDRAULIC POWER SUPPLIES

Maximum Pressure (all units)..... 10,000 p.s.i. (690 bar)

	Hand Power	Compressed Air	115V 60 Hz Electric	220V 50 Hz Electric*
MPP150 Model	MPP150-H	MPP150-A	MPP150-E	MPP150-220CE
Reservoir Capacity	1.8 gal (6,8 l)	5 gal (18,9 l)	5 gal (18,9 l)	5 gal (18,9 l)
Flow @ 150 psi (10,3 bar)	137 in ³ /min (2,2 lpm)**	500 in ³ /min (8,2 lpm)	310 in ³ /min (5,1 lpm)	700 in ³ /min (11,5 lpm)
Flow @ 10000 psi (690 bar)	5 in ³ /min (0,08 lpm)**	100 in ³ /min (1,6 lpm)	37 in ³ /min (0,6 lpm)	60 in ³ /min (1,0 lpm)
Power	-	4 Hp (3,0 kW)	1-1/2 Hp (1,1 kW)	1-3/4 Hp (1,3 kW)
Power Supply	-	62 SCFM @ 100 psi 1,8 m ³ /min @ 6,9 bar	10 A @ 115 V 60Hz	11 A @ 220 V 50 Hz
Width	30.98" (0,79m)	12.5" (0,30 m)	11.7" (0,30 m)	19.7" (0,50 m)
Length	12.2" (0,31m)	18" (0,46 m)	25.8" (0,66 m)	24.0" (0,61 m)
Height	11.73" (0,3m)	16.4" (0,42 m)	18.3" (0,47 m)	18.3" (0,47 m)
Dry Weight	60 lb (32 kg)	88 lb (40 kg)	108 lb (49 kg)	109 lb (50 kg)

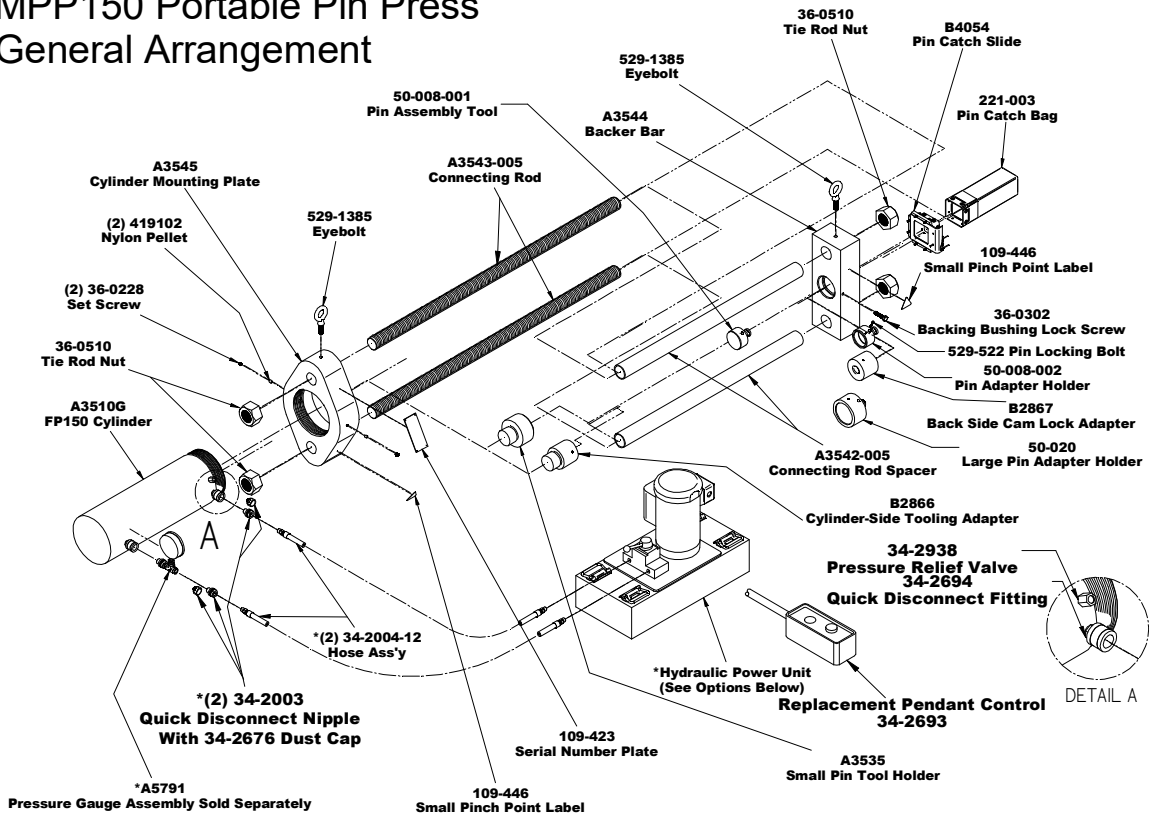
* - Also available: 5.0 Amps, 220V 60Hz, 1 Phase (MPP150-220DOM)
5.0 Amps, 220V 50Hz, 1 Phase Non-CE Mark (MPP150-220-50)

** - Flow based on 20 strokes per minute

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

PART IDENTIFICATION

**MPP150 Portable Pin Press
General Arrangement**



MODEL LISTING

- MPP150*** MPP150 with Cylinder, less Hydraulic Parts (Pump, Hoses and Fittings)
– Customer supplied Power Unit and Hydraulic Hoses
- MPP150-H*** MPP150 with Hand Powered Pump
– Includes 34-2999 Hand Pump
- MPP150-E MPP150 with 115 V Electric Powered Pump
– Includes 34-3057 Electric Pump 115V 60 Hz
- MPP150-220 MPP150 with 220V 50Hz Powered Electric Pump (Outside Europe and North America)
– Includes 34-3059 Electric Pump 220V 50 Hz
- MPP150-220DOM MPP150 with 220V 60Hz Electric Powered Pump (Inside North America)
– Includes 34-3061 Electric Pump 230V 60 Hz
- MPP150-220-CE*** MPP150 with CE-Certified 220V 50Hz Powered Electric Pump (European Union)
– Includes 34-2074 Electric Pump 220V 50 Hz CE-Marked
- MPP150-A MPP150 with Compressed Air Powered Pump
– Includes 34-3003MPP Compressed Air-Powered Pump

*** Certified

SECTION 6 – MPP150 Portable Pin Press Tooling

 **WARNING!**

The MPP150 Portable Pin Press generates high forces, which present a risk of crush damage and flying debris. Only trained personnel familiar with its operation should use the MPP150. Always make sure the MPP150 and tooling are aligned and centered with track components before pressing. Always wear eye protection when operating the MPP150. Always keep clear of moving parts when the MPP150 is in use.

 **CAUTION!**

Track condition affects the disassembly force, and some track models may exceed the capacity of the MPP150. It is the operator's responsibility to determine whether the MPP150 is adequate for a particular track.

The Tool Chart (starting on page 13) show the correct tooling for most crawler track models. For track models not listed, the drawing (below) shows the size ranges for Forcing Pins, Pin Adapters and Backing Bushing. See www.WTCmachinery.com for updated to tool charts

Disassembling large track models - those with high pressing forces and long pin lengths - require pairs of Pin Tools. Use the short "Starter" Pin Tool to make the initial push, and then switch to the long "Finishing" Pin Tool to complete pressing out the pin.

FP150 Backing Bushings			
Item	Part Number	Description	Pin Size Range
9	A3541-001	Extra Large Backing	2.125" to 2.875" (53,9 to 73mm)
10	A3541	Large Backing Bushing	1.75" to 2.5" (44,5 to 63,5mm)
11	A3540	Medium Backing Bushing	1.25" to 1.75" (31,8 to 44,5mm)
12	A3539	Small Backing Bushing	1.25" (31,8mm) and Smaller

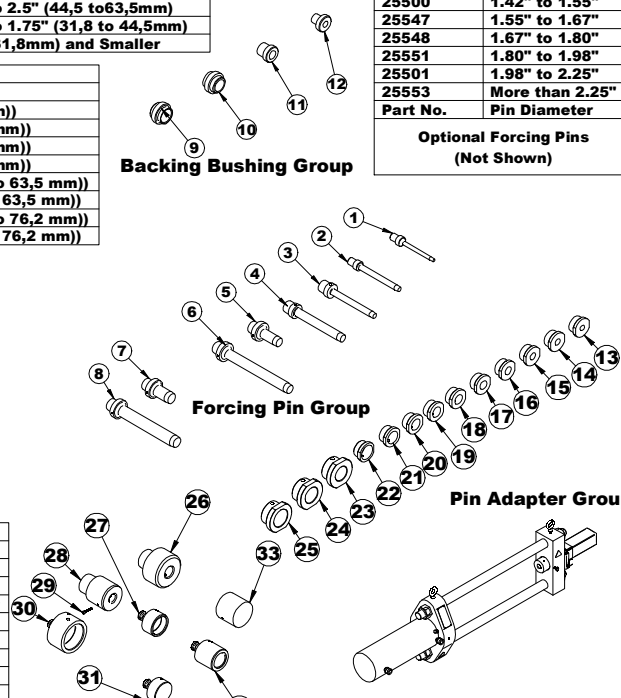
Forcing Pins		
Item	Part No.	Description
1	A3536	Pin Tool - (0.87" to 1.25" (22 to 31,7 mm))
2	A3537	Pin Tool - (1.25" to 1.37" (31.7 to 34,9 mm))
3	B3635	Pin Tool - (1.37" to 1.87" (34,9 to 47,6 mm))
4	B3815	Pin Tool - (1.87" to 2.12" (47,6 to 53,8 mm))
5	B3608	Pin Tool (short) - (2.12" to 2.50" (53,8 to 63,5 mm))
6	B3607	Pin Tool (long) - (2.12" to 2.50" (53,8 to 63,5 mm))
7	B3631	Pin Tool (short) - (2.50" to 3.00" (63,5 to 76,2 mm))
8	B3632	Pin Tool (long) - (2.50" to 3.00" (63,5 to 76,2 mm))

Pin Adapters		
Item	Part Number	Min/Max Pin Dia.
13	50-007-009	0.63" to 0.84" (15,9 to 21,4 mm)
14	50-007-008	0.84" to 0.94" (21,4 to 23,8 mm)
15	50-007-007	0.94" to 1.09" (23,8 to 27,7 mm)
16	50-007-006	1.09" to 1.22" (27,7 to 30,9 mm)
17	50-007-005	1.22" to 1.34" (30,9 to 34,1 mm)
18	50-007-004	1.34" to 1.47" (34,1 to 37,3 mm)
19	50-007-010	1.47" to 1.60" (37,3 to 40,7 mm)
20	50-007-003	1.60" to 1.72" (40,7 to 43,6 mm)
21	50-007-002	1.72" to 1.97" (43,6 to 50,0 mm)
22	50-007-001	1.97" to 2.22" (50,0 to 56,3 mm)
23	50-021-1	2.00" to 2.25" (50 to 57 mm)
24	50-021-2	2.25" to 2.50" (57 to 63 mm)
25	50-021-3	2.50" to 2.75" (63 to 70 mm)

Misc. Adapter Group		
Item	Part Number	Description
26	*A3535	Small Pin Tool Holder
27	*50-008-002	Pin Adapter Holder
28	*B2866	Cylinder-Side Cam-Lock Adapter
29	*529-522	Pin Locking Bolt
30	*50-020	Large Track Pin Holder
31	*50-008-001	Pin Assembly Tool
32	Pin Ass'y Tool	See Tooling Chart
33	*B2867	Backing Bar-Side Cam-Lock

200281	0.86" to 1.17"
25498	1.17" to 1.30"
25499	1.30" to 1.42"
25500	1.42" to 1.55"
25547	1.55" to 1.67"
25548	1.67" to 1.80"
25551	1.80" to 1.98"
25501	1.98" to 2.25"
25553	More than 2.25"
Part No.	Pin Diameter

Optional Forcing Pins (Not Shown)



MPP150 Tooling

* Items Included With MPP150