



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.

WTC-305 Track Press

Overview

With 307 tons (280M) of pressing force and standard track clamp, the WTC-305 has the muscle to work practically any track chain safely. The high-force indexer and wireless controlled winch move the biggest chain, and rapid ram movement shortens turn-around time.

The WTC-305 comes with a standard 40 foot (12.2 meter) conveyor for most track chains, while the optional 50 foot (15.2 meter) conveyor supports even the longest chains. Either conveyor system can be equipped with an optional Shoe Lifting Device.

The WTC-305 works with all popular tooling types, including the 91-Series Tooling and C-Style Tooling available from WTC Machinery.



Features: WTC-305 Track Press

1. Optional Hydraulic Hold Down Clamp securely holds the track chain in position, preventing tool and track damage.
2. Safety Door.
3. Large main cylinders (not shown in picture) use low hydraulic pressure for safe, economical, low-maintenance operation.
4. Jaws are securely held by tapered locks and hold down bolts. Adapters are available for all popular styles of jaws.
5. The WTC-305 accepts all popular models of tooling, with Tool Mounts that precisely adjust in all directions and make tooling changes fast and simple.
6. The Ram Controls feature infinitely-variable speed forward and reverse.

Specifications:

Main Rams

Pressing Force: 305/277M Tons
 Piston Diameter: 12.5 inches (317 mm)
 Stroke: 11 inches (279 mm)

Ram Speed:	50 Cycle	60 Cycle
Approach:	140 IPM (3.6 m/min)	140 IPM (3.6 m/min)
Pressing:	18 IPM (0.4 m/min)	21 IPM (0.5 m/min)
Return:	260 IPM (6.6 m/min)	260 IPM (6.6 m/min)

Hydraulic System

Fluid Capacity: 100 gallons (378 liters)
 Pressure at Full Ram Force: 5000 psi (345 bar)
 Maximum Flow Rate: 74.5 gpm (282 lpm)

Electrical

Main Motor: 40 Hp (30.0 kW)
 Charge Pump: 0.5 Hp (0.43 kW)
 Standard Voltages: Three Phase
 208V / 60 Hz 125 A
 220V / 50 Hz 114 A
 230V / 60 Hz 110 A
 380V / 50 Hz 55 A
 415V / 50 Hz 62 A
 460V / 60 Hz 55 A

WTC305 Track Press Specifications

COMPONENT DIMENSIONS

	Weight	Width	Height	Length
Track Press	15200lbs (6900kg)	136 in (3,5m)	74 in (1,9 m)	45 in (1,2 m)
Control Console	850 lbs (386 kg)	39 in (1,0 m)	44 in (1,1 m)	69 in (1.8 m)
Index Table	1800 lbs (820 kg)	28 in (0,7 m)	36 in (0,9 m)	130 in (3,3 m)
Hydraulic Pump Unit (Dry)	2000 lbs (910 kg)	44 in (1,1 m)	40 in (1,1 m)	62 in (1,6 m)
Conveyor System (40 Foot)	4920 lbs (2232 kg)	27 in (0,7 m)	36 in (0,9 m)	550 in (14,0 m)
Optional Pad Lift (40 Foot)	975 lbs (442 kg)	See 40 Foot Conveyor System		

Operating Temperature Range 50° to 100° F (10° to 37° C)

RAMS

Capacity ... 305 tons (277 t), each ram	Speeds -
Travel 11 inches (279 mm)	50 Cycle _____ 60 Cycle
Ram Diameter: 8.50 inches (217 mm)	Approach 132 IPM (3,4 m/min) 132 IPM (3,4 m/min)
Piston Diameter: 12.50 inches (317.5 mm)	Return 175 IPM (4,4 m/min) 175 IPM (4,4 m/min)

SADDLES AND CONTACT TOOLING

The WTC305 Track Press accepts most current models of track saddles and contact tooling.

Please consult the "C"-Style Tool Catalog, 91-Series and 93-Series Tool Catalogs (available from WTC Machinery) for details on part numbers and proper use of tooling.

HYDRAULIC PUMP UNIT

<p>Pumps -</p> <p>Main Pump 74.5 gpm (282 lpm) 5000 psi (345 bar) max.</p> <p>Charge System Pump 0.5 gpm (2,0 lpm) 300 psi (21 bar) max.</p> <p>Reservoir -</p> <p>Total - 100 US gallons (380 l) Usable - 80 US gallons (300 l)</p>	<p>Electric Motors -</p> <p>40 Hp (30,0 kW) and 1/2 Hp (0,43 kW) 3 Phase electric</p> <p>Standard Voltages:</p> <p>50 Hz (1500 rpm) 60 Hz (1800rpm)</p> <p>415V/62A, 460V/55A 380V/55A 230V/110A 220V/114A 208V/125A</p> <p style="text-align: center;">Other voltages available</p>
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WINCH

Hydraulically powered winch loads the track chain onto the Conveyor System, with a 12,000 pound (5450 kg) pulling capacity.

INDEXER

Hydraulically operated Indexer moves track in and out of work area.

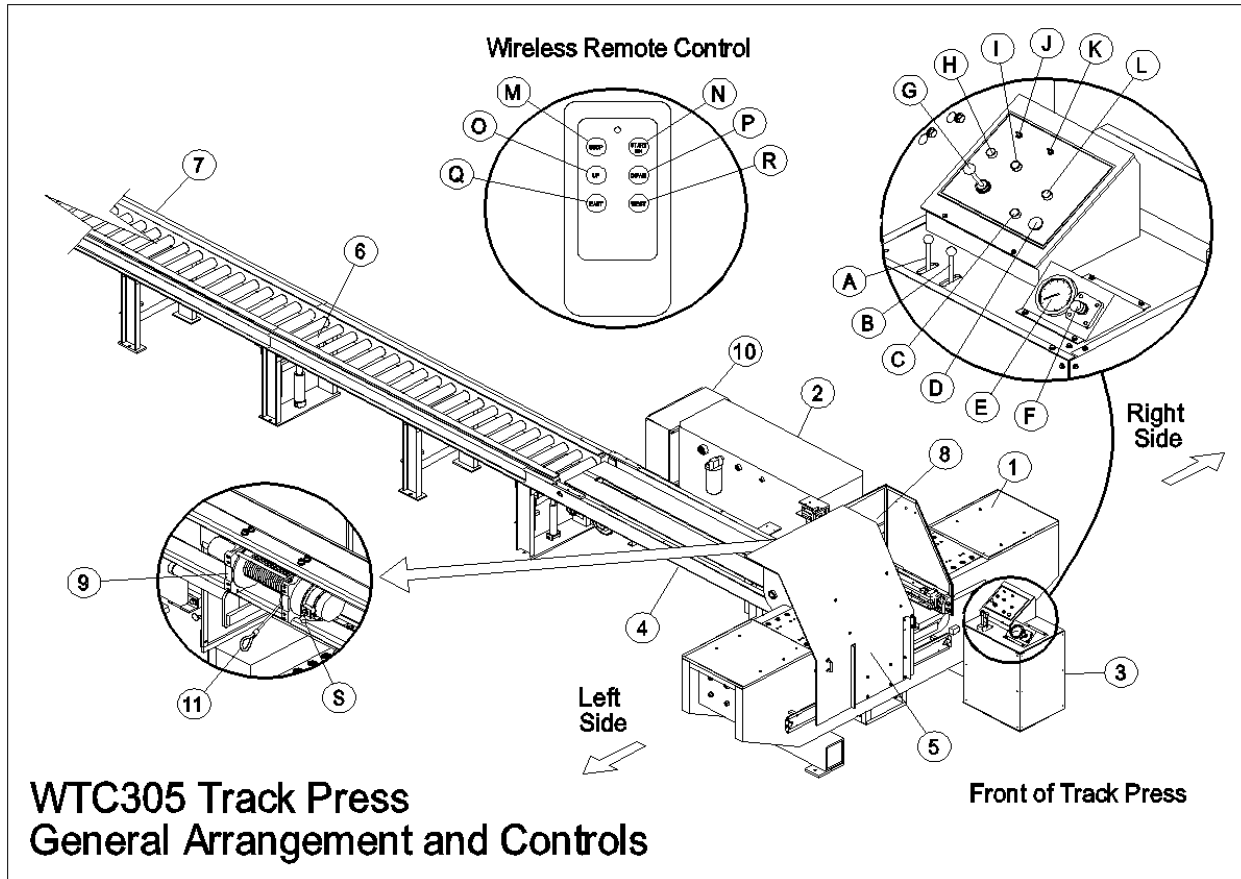
CONVEYOR SYSTEM AND OPTIONAL PAD LIFT SYSTEM

Conveyor System (C1091-040-DA) - Holds 40 feet (12,2 m) of track chain on heavy-duty roller conveyor sections – Maximum Chain Weight -16,000 lbs (7270 kg).

Optional Pad Lifting Device (D1429-040-DA) - Matched to the 40 foot (12,2 m) Conveyor System Lifts and holds track pads off of the track chain, to reduce handling and labor time.

Pad Lift Capacity -12,000 lbs (5450 kg)

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



WTC305 Track Press – General Arrangement – Major Component Parts

- 1) Track Press (305-000) –
- 2) Hydraulic Pump Base (305-021) – Supplies power for the Track Press.
- 3) Control Console (305-019) – Controls the Track Press functions.
- 4) Index Table (D1218-006) – Precisely moves the track chain during servicing.
- 5) Safety Door (305-007) – Protects the operator while using the Track Press
- 6) Conveyor System – Holds the track chain and makes its movement easy.
The standard model Conveyor System (C1091-040-DA) holds 40 feet (12,2 meters) of track chain. Optional Conveyor Systems (30, 35 and 50 feet) are available for confined spaces or additional capacity.
- 7) (Optional) Pad Lift System – raises and hold the track chain's pads while the track chain is serviced.
The Pad Lift Systems are available to match the Conveyor System lengths –
The standard model is 40 foot (12,2 meters D1429-040-DA) - other lengths are available.
- 8) Track Clamp System (305-012) – Holds the track chain during disassembly and assembly.
- 9) Hydraulic Winch – Pulls the track chain onto the Conveyor System.
- 10) Power Enclosure – Location for the main electrical supply connection.
- 11) Winch Cable – Connects the Winch to the track chain.

Operator Controls

**CAUTION!**

The Main Rams, Index Table, Track Clamp, Winch and Pad Lift System contain pinch points which can cause serious injury. Always make sure people and objects are clear before using these devices.

Main Control Console –

- A) Right Main Ram Joystick – Move this joystick to extend and retract the Right Main Ram
- B) Left Main Ram Joystick – Move this joystick to extend and retract the Left Main Ram
- C) Pump Start Pushbutton – Press this button to start the electric motor and enable all other controls.
- D) Pump Stop Pushbutton – Press this button to stop the electric motor and turn off all other controls except the work lamps.
- E) Ram Force Gauge – Shows the pressing force of the Main Rams, in short tons (2000 pounds)
- F) Remote Pressure Control – Turn this control clockwise to increase the Main Ram force, and anti-clockwise to decrease the Main Ram force. The Pressure Control is used with the Set Pressure pushbutton (below).
- G) Index Table Joystick –
 - Index Lift Up - Push up on the joystick to raise the Indexer Table.
Both rams must be retracted to raise the Index Table.
 - Index Lift Down - Push down on the joystick to lower the Index Table.
 - Indexer Reverse - Push left on the joystick to move the track chain away from the track press.
 - Indexer Forward - Push right on the joystick to move the track chain towards the track press.
- H) Clamp Up Pushbutton – Push the button to raise the Track Clamp.
- I) Clamp Down Pushbutton – Push the button to lower the Track Clamp.
- J) Worklamp Switch – Switch On to light the worklamps, and Off to turn off the worklamps.
- K) Remote Control Switch – Switch On to enable the Remote Control (below), which controls the Pad Lift and Winch. Switch Off to disable the Remote Control.
- L) Set Pressure Pushbutton – Press this button while adjusting the Remote Pressure Control (above) to set the Main Ram force.

Remote Control –

- M) Start Button – Press this button to enable the Remote Control.
- N) Stop Button – Press this button to disable the Remote Control.
- O) UP Button – Press this button to raise the Pad Lift System, lifting track pads above the track chain.
- P) Down Button – Press this button to lower the Pad Lift System, lowering track pads back down to the track chain.
- Q) East Button – Press this button to retract (reel in) the Winch cable, pulling the track chain onto the Conveyor System
- R) West Button – Press this button to extend (pay out) the Winch cable.

Winch –

- S) Winch Engage Lever – Turn the handle up to disengage the Winch, and freely pull out the Winch Cable. Turn the handle down to engage the Winch for pulling the track chain.



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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.