



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
 Travel 11 inches (279 mm)
 Ram Diameter: 8.50 inches (217 mm)
 Piston Diameter: 12.50 inches (317.5 mm)

Speeds -
 50 Cycle _____ 60 Cycle
 Approach 132 IPM (3,4 m/min) 132 IPM (3,4 m/min)
 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>Other voltages available</p>
--	--

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