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PRODUCT CATALOG

Quality Well Servicing, Workover and Drilling Equipment



AN API Q1, 8C AND ISO 9001:2008 REGISTERED COMPANY



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Our Facilities

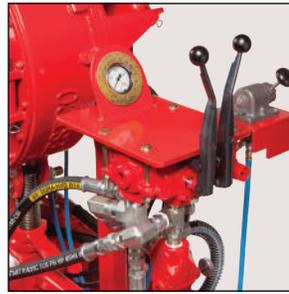
Ventura, California



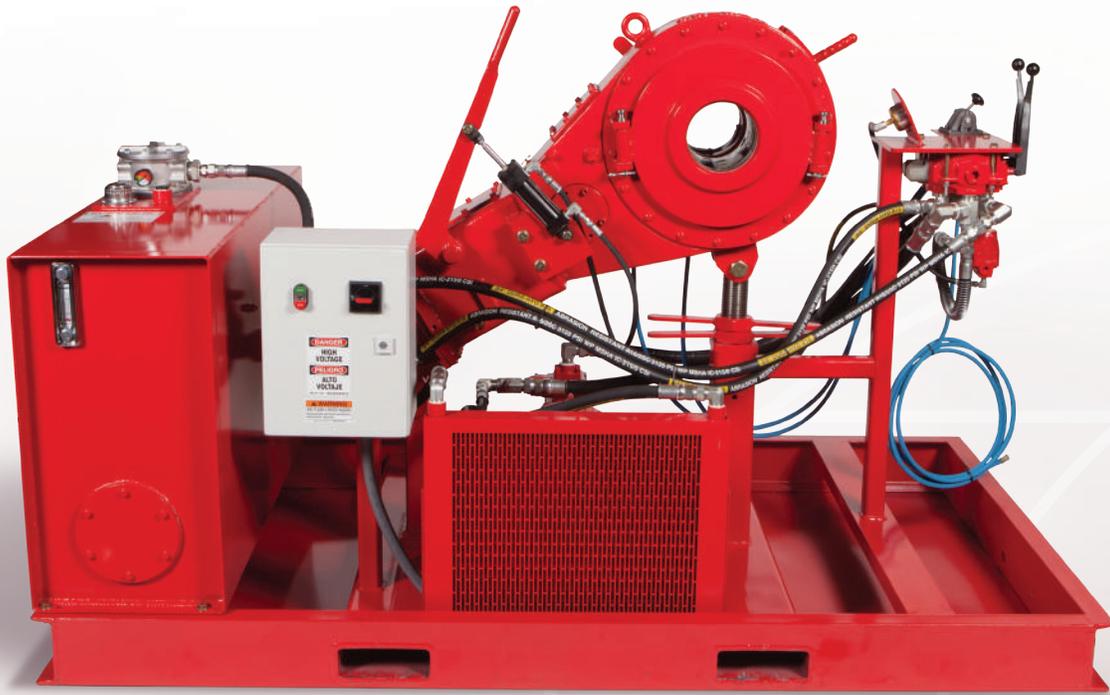
WESTCO International Consulting maintains a **large inventory of equipment in our Ventura, California, warehouse** and **has the ability to ship all replacement parts ordered on a same day basis**. As we are in the process of expanding our product line in order to meet the future needs of our customers, we are looking forward to your valuable suggestions so that we can assist in meeting your equipment needs.

Bucking Unit

Hydraulic Power



Our Bucking Unit is a portable self-contained skid mounted hydraulically powered unit that is used to make up or break out 1-5/16" up to 7" tubular connections in a horizontal position and or tool assemblies. Maximum torque of 8,000 ft-lbs.



Global service for quality Well Servicing, Workover and Drilling Equipment

WESTCO International Consulting has the knowledge and experience in manufacturing, assembling, testing, quality assurance, and consulting programs to keep your business moving.

Introduction

WESTCO International Consulting, Inc., was established in an effort to serve the growing demand for quality Well Servicing and Workover Equipment in North America, and is currently providing equipment and quality replacement parts to several other international markets.

Our personnel at **WESTCO International Consulting** **comprise over 100 years' experience** dealing in manufacturing, assembling, testing, quality assurance, and consulting programs. In addition, we have **over 50 years of field and installation experience** to ensure our valued customers that all materials supplied by WESTCO International Consulting will meet and exceed all current industry standards.



Please feel free to contact our Ventura office at: **Street Address:** 1360 N. Olive Street Ventura, CA 93001
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Tubing Tongs

Model 4500 / 5500 / 5600 / 57801 / 57802

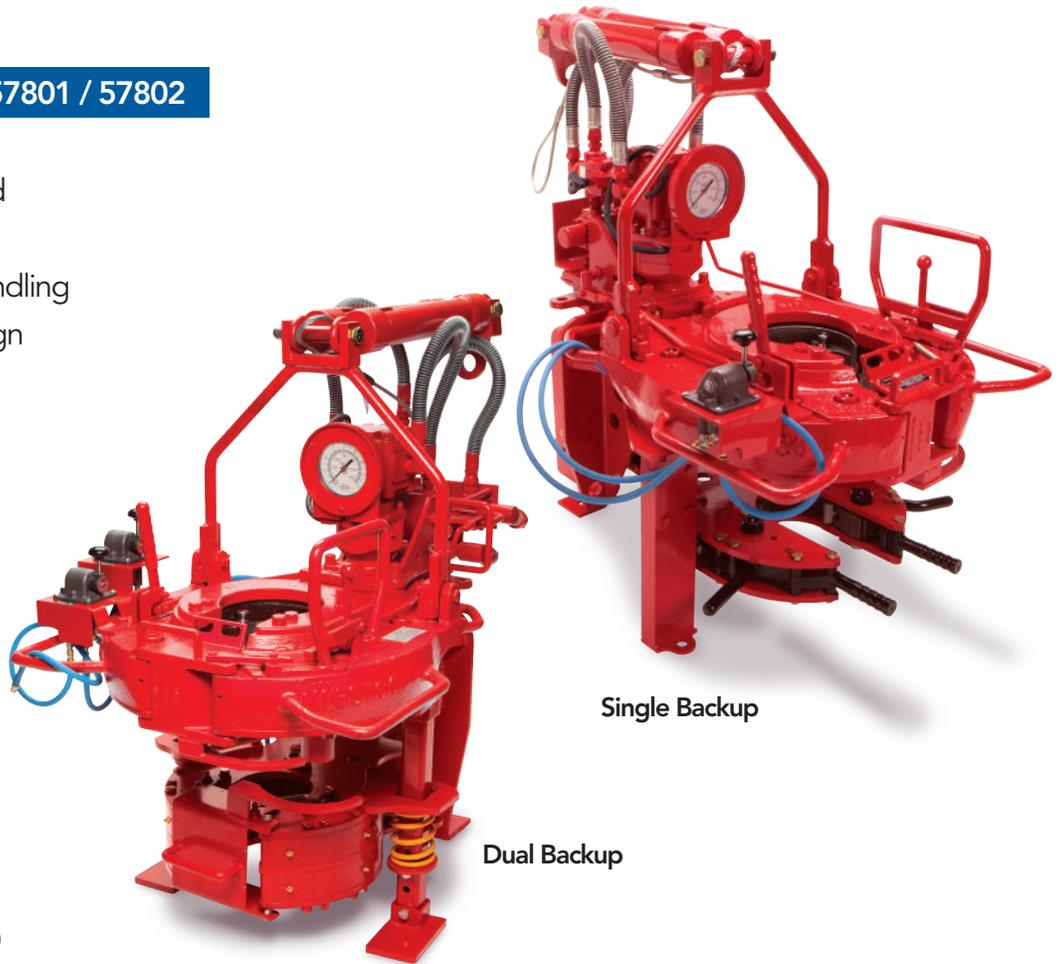
- Safety Lock Front Guard
- High Torque
- Light Weight / Easy Handling
- Low Maintenance Design
- Proven Durability

Options

- Torque Load Cell
- Hydraulic Back-up
- Pneumatic Back-up

Dimensions

- Length:** 43" (109.22 cm)
- Height:** 26" (66.04 cm)
- Weight:** 620 lbs. (281.2 kg)
- Width:** 31" (78.74 cm)
- Arm Length:** 29" (73.66 cm)



Single Backup

Dual Backup

Specifications

	4500	5500	5600	57801	57802-100TK
Pipe Size Range	1.05" to 4-3/4" (26.6 mm to 114.3 mm)	1.05" to 4-3/4" (26.6 mm to 114.3 mm)	1.05" to 4-3/4" (26.6 mm to 114.3 mm)	1.05" to 5 1/2" (26.6mm to 139.7mm)	1.05" to 5 1/2" (26.6mm to 139.7mm)
Torque ft-lb/Nm Low Gear @ 2,500 PSI (172 Bar)	6,670 ft-lbs (9,043 Nm)	8,740 ft-lbs (11,850 Nm)	11,750 ft-lbs (15,931 Nm)	12,680 ft-lbs (19,659Nm)	14,500 ft-lbs (19,659Nm)
Rated Speed High Gear @ 30 GPM (114 LPM)	96 RPM	101 RPM	76 RPM	67 RPM	61 RPM
Torque Arm Length	29" (737 mm)	29" (737 mm)	29" (737 mm)	29" (737 mm)	29" (737 mm)
Nominal Power Requirements	2,000 PSI (30 GPM)	2,000 PSI (30 GPM)	2,000 PSI (30 GPM)	2,000 PSI (30 GPM)	2,000 PSI (30 GPM)

Back-Up Type	Pneumatic/Hydraulic		
	Manual M/S	Single	Dual
Pipe Size Range	1.05" to 4-1/2" (26.6 mm to 114.3 mm)	1.05" to 4-1/2" (26.6 mm to 114.3 mm)	1.05" to 5-9/16" 26.6 mm to 141.3 mm)
Weight	53 lbs (24 kg)	250 lbs (113.4 kg)	400 lbs (181 kg)

WESTCO Part Number Model EPU-027 380 volts 50 Hz, 3 phase AC, 68 Amperes full motor load current draw. Can also be wired for 460 volts 60Hz, 72 Amperes.

Explosion Proof Junction box, containing Circuit Breaker, Motor Starter & Overload (O/L) Relay, (emergency) Stop and O/L Relay Reset and "On" indicator light.

Explosion Proof Electric Motor 50 HP, 1480 RPM. Motor-mounted tandem dual flow Gear Pump, complete with integral system Relief Valve, Unloader Valve, and Pressure Gauge.

EPU Skid is fitted with 90 gallon (340 L) Oil Tank, complete with Suction Filter, Return Filter, Thermometer and 2 Thermostatically controlled Immersion Heaters (each 2.36 KW, 380 Volts, 3 phase, 4.8KW total).

EPU fitted with Remote Start/ Stop station on 30 meter long cable, and fitted with 30 meter SOOW4/2 Power cable "pig tail".



Unit is fitted with a tandem or dual stage pump. **When the Pump Control Valve is in the closed or "casing tong" position** (small 1/4" control valve located on the side of the tank), the pump automatically transitions from approx. **50 GPM at 1100 psi** to approx. **25 GPM at 2000 psi**.

When the Pump Control valve is in the open or "tubing tong" position, only one of the (two tandem) pump sections is active, and **flow is restricted to 25 GPM at all pressures**.

Maximum flow rate: High Flow (casing tong position): 52 GPM (197 LPM) at 1100 PSI (83 bar), Low Flow: 25 GPM (95 LPM) at 2500 PSI (172 bar). Max Pressure (Relief valve setting): 2500 PSI.

Unit fitted with oil-to-water heat exchanger (oil cooler).

EPU Skid Dimensions: 90" (2286 mm) L x 50" (1168 mm) W x 46" (1168 mm) H

With lifting points and overhead hose storage basket.

Diesel Power Unit

Model HPU - 6914



Dimensions

Length: 96" (2438 mm)

Width: 48" (1219 mm)

Height: 56" (1422 mm)

The WESTCO model HPU-6914 diesel hydraulic power unit is designed **exclusively for generating hydraulic power in order to drive tubing-, casing- and drill pipe tongs.**

Power is provided by a "DEUTZ" air cooled, six cylinder diesel engine, type F6L 914.

At the designed **operational speed of 2300 rpm max.**, the engine has a **power output of 84 kW (113 hp).**

This power unit is capable of generating pressure up to **200 Bar (2,900 PSI)** at **110 liters (29 GPM) flow.**

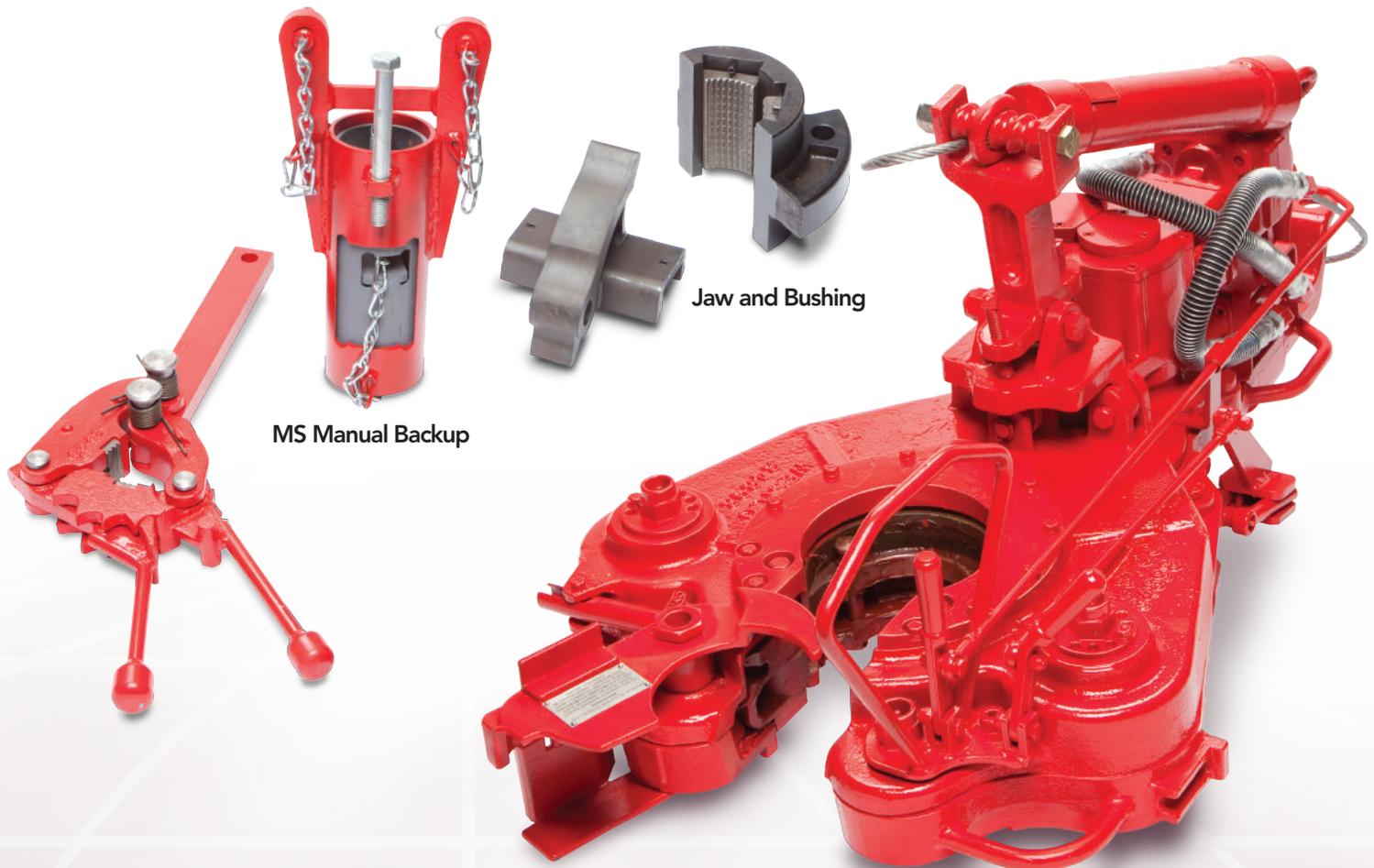
The engine is rigidly mounted on a skid.

Reinforced steel case in order to reduce case spreading

Gussets added to bottom case to reduce potential of case spreading

Integral sprocket and outer ring (sprocket teeth machined on outer ring)

Traditional chain-driven design



Specifications

Maximum RPM	35 GPM (132.5 LPM)
Rotation Speed	High Gear: 100 RPM Low Gear: 26 RPM
Make-Up Torque	4,650 ft-lbs (642 kg-m) (Low Gear, 2,000 PSI, 140.6 kg/sq. cm)

Closed Head Tong

Model 58 - 93R

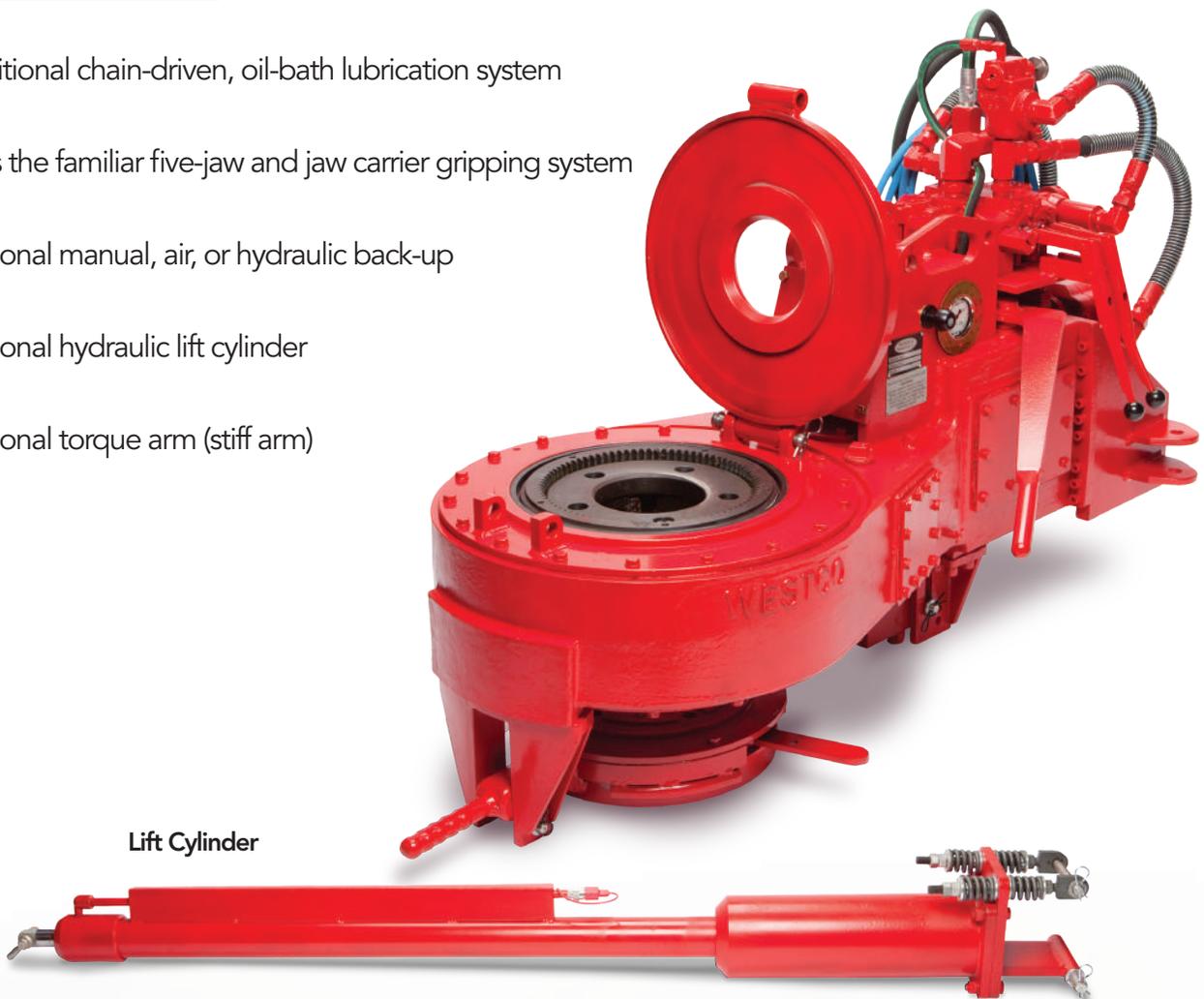
Traditional chain-driven, oil-bath lubrication system

Uses the familiar five-jaw and jaw carrier gripping system

Optional manual, air, or hydraulic back-up

Optional hydraulic lift cylinder

Optional torque arm (stiff arm)



Lift Cylinder

Specifications

Size Ranges	1-5/16" through 6-1/16" O.D. Tubing 4" through 7" O.D. Casing
Standard Torque Range	High Gear: 300 to 1,300 ft-lb Low Gear: 6,000 ft-lb
Max Hi-Torque	8,000 ft-lb
RPM	High Gear: 126 Low Gear: 27
Hydraulic Requirement	33 GPM @ 2,000 PSI
Tong Length	51"
Space Required to Pipe	Tong: 9-1/2" With Back-up: 16-1/2"
Maximum Elevator Diameter Clearance	30"
Estimated Weight	1,000 lbs.

Side Door Tubing Elevators

Our 65 Ton and 100 Ton side door tubing elevators have been carefully engineered and manufactured to provide safe tubing handling and hoisting. These elevators have been designed to handle tubing sizes 2 3/8" O.D. through 3 1/2 O.D.

Features

The top bore where the collar sets is flame hardened to provide extra life and wear.

The safety latch has a tension spring connected to the latch pin for strong return on the door to keep door latches in position while in operation.

For back-up safety, roller on door rides on ramp so that the door will not open if the latch fails. The collar also has to be lifted off the elevator in order for the door to open.



100 Ton Center Latch Tubing Elevator

65 & 100 Ton Side Door Tubing Elevator

Center Latch Tubing Elevators

Our 100 Ton center latch tubing elevator is designed for handling collar-type tubing joints. The Model CL-100 has a 100 ton rating and handles tubing sizes 2 3/8" O.D. through 3 1/2" O.D.

WESTCO TUBING ELEVATORS are constructed of high-quality alloy steel and heat-treated for maximum strength and durability. Each elevator is manufactured and tested to API 8C.

Features:

The center latch elevator is designed with two halves of almost equal weight, providing proper balance and easier opening/closing actions.

The latch and safety latch lock combination is easy to operate with one hand and prevents accidents to operators.

An extra handle at the rear of the elevator, in combination with the protective cover over the hinge portion of the two-body halves, permits easier and safer operation.

For convenience, many replacement parts will fit many different sizes of center latch elevators.

Specifications

Specifications	65-Ton Side Door	100-Ton Side Door	100-Ton Center Latch
Rating	65 Tons (130,000 lbs.)	100 Tons (200,000 lbs.)	100-Tons (200,000 lbs.)
Material	Alloy Steel- Heat Treated	Alloy Steel- Heat Treated	Alloy Steel- Heat Treated
Weight	80 lbs.	105 lbs.	120 lbs.
Height	8-13/32"	10-1/4"	10-1/6"
Base Dimensions	8-7/8" x 21"	12-7/16" x 22-1/2"	17-1/8" x 17-15/16"
Tube Range	1.9" to 3-1/2"	1.9" to 3-1/2"	1.9" to 3-1/2"
API Compliant	YES	YES	YES
Dual Safety Features	YES	YES	YES

Tubing Spider

Model E



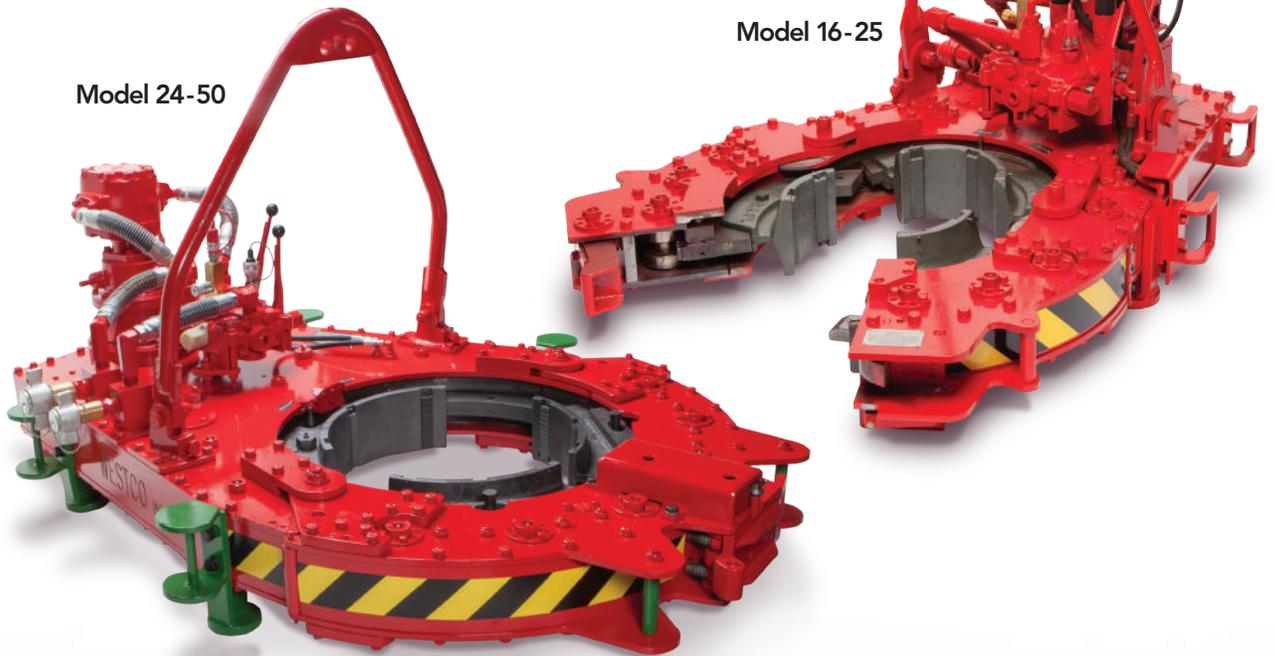
Specifications

Rating	350,000 lbs. (175 tons)
Material	Alloy Steel - Heat Treated
Weight with Door (Less Slip Bodies)	945 lbs. (428 kg)
Height (To Top of Guard)	21-1/2" (546 mm)
Base Dimensions	24" (610 mm) x 23.5" (596 mm)
Bolt Centers	17" (432 mm) to 21" (533 mm)
Gate Opening	7-1/2" (190 mm)
Bowl Opening	9-1/8" (232 mm)
Hydraulic Operating Pressure	300 to 500 PS (20.7 to 34.5 Bar)
Pneumatic Operating Pressure	90 to 120 PSI (6.2 to 8.3 Bar)
Pipe Range	2-3/8" to 7-5/8" (60 mm to 194 mm)
Door Weight	85 lbs. (38 kg)

Casing Tong

Models 16 -25 & 24 - 50

WESTCO's 16-25 and WESTCO's 24-50 hydraulic casing tong provide 25,000 ft-lb to 50,000 ft-lb of torque capacity for running and pulling 4" to 24" casing. At the heart of this versatile and lightweight tong is a unique gated rotary that completely encircles the casing. This design provides as many as seven contact points which distribute gripping forces over a greater area than conventional tong designs, ensuring a positive grip without damaging the casing.



Specifications

	Model 16 - 25	Model 24 - 50
Pipe Size Range	4" to 13-3/8", 16"	6 5/8" to 24"
Rated Torque in Low Gear	2000 PSI –25,000 ft-lb 33,900 Nm	2500 PSI – 50,000 ft-lb 67,800 Nm
Rated Speed in High Gear At 70 GPM (265 LPM)	93 RPM	38 RPM
Tong Dimensions	34" x 54" x 31" (864 mm x 1,356 mm x 782 mm)	76" x 63" x 28" (1930mm x 1600 mm x 711 mm)
Torque Arm Length	32" (813 mm)	48" (1220 mm)
Weight	1,075 lbs. (488 kg)	2300 lbs. (1040 kg)
Nominal Power Requirement Flow at 1,000 PSI (69 Bar)	60 to 80 GPM (227 to 303 LPM)	60 to 80 GPM (227 to 303 LPM)
Nominal Power Requirement Flow at 2,000 PSI (138 Bar)	30 to 40 GPM (114 to 152 LPM)	30 to 40 GPM (114 to 152 LPM)

Rod Tongs

Model M20 / M40 / M50 / M75

Hydraulic Requirements – 2,000 PSI @ 30 GPM
(137.6 Bar @ 144 LPM)

Rod Size – 0.5" (12.7 mm) to 1.125" (28.6 mm)

API Pipe Range* – 1.050" (26.7 mm) to 1.900" (48.3 mm)

Estimated Weight – 363 lbs. (164.7 kg)



Rod Tong Inner Ring



Rod Tong Backup



Specifications

	M20	M40	M50	M75
Part Number	27841	27841-1	27841-5	27841-75
Max Torque ft-lbs (Nm)	1,290 ft-lbs (1,750 Nm)	1,620 ft-lbs (2,197 Nm)	2,090 ft-lbs (2,767 Nm)	2,830 ft-lbs (3,838 Nm)
Max Speed	130	105	80	65

Model M20 Provides high RPM & low torque for shallow to medium well depths

Model M40 Provides medium RPM & torque for medium to deep well depths

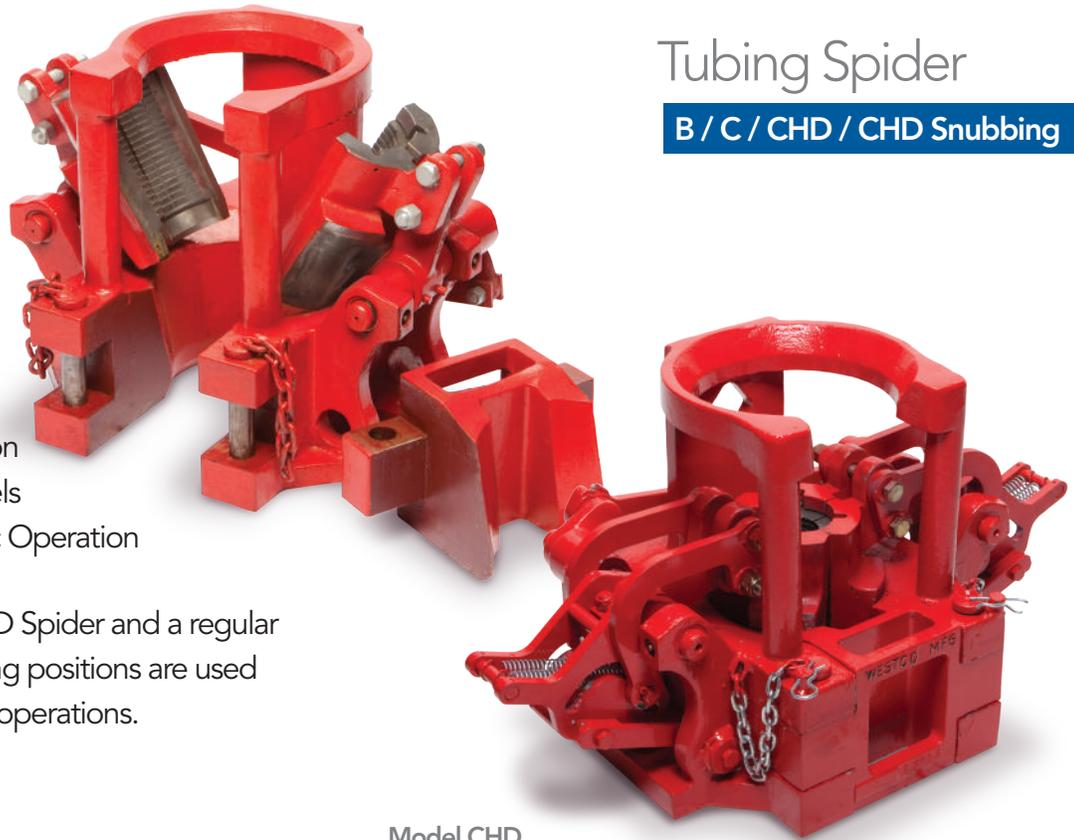
Model M50 Provides higher torque with low RPM for cost efficient operation

Tubing Spider

B / C / CHD / CHD Snubbing

- 360° Inserts
- Removable Gate
- Single String Application
- Available in Four Models
- Hydraulic or Pneumatic Operation

WESTCO inverted CHD Spider and a regular CHD Spider in opposing positions are used for hydraulic snubbing operations.



Model B

Capacity - 111,000 lbs. (55.5 tons) 49,887 kg
Estimated Weight - 195 lbs. (88.5 kg)

Model C

Capacity - 165,000 lbs. (82.5 tons) 74,830 kg
Estimated Weight - 408 lbs. (185.1 kg)

Model CHD

Capacity - 250,000 lbs. (125 tons) 113,379 kg
Estimated Weight - 457 lbs. (207.3 kg)

Model CHD Snubbing

Capacity - 165,000 lbs. (82.5 tons) 74,830 kg
Estimated Weight - 925 lbs. (419.6 kg)

Specifications

	Model B	Model C	Model CHD	CHD Snubbing	
Slip Body Assembly, 3-1/2" Nom.	1.315" (33.4 mm)	1.315" (33.4 mm)	1.315" (33.4 mm)	1.315" (33.4 mm)	
	Slip Insert Set, 3-1/2" Nom.	1.660" (42.1 mm)	1.660" (42.1 mm)	1.660" (42.1 mm)	1.660" (42.1 mm)
		1.900" (48.2 mm)	1.900" (48.2 mm)	1.900" (48.2 mm)	1.900" (48.2 mm)
		2.060" (52.3 mm)	2.060" (52.3 mm)	2.060" (52.3 mm)	2.060" (52.3 mm)
		2-3/8" (60.0 mm)	2-3/8" (60.0 mm)	2-3/8" (60.0 mm)	2-3/8" (60.0 mm)
		2-7/8" (73.0 mm)	2-7/8" (73.0 mm)	2-7/8" (73.0 mm)	2-7/8" (73.0 mm)
		3-1/8" (79.2 mm)	3-1/8" (79.2 mm)	3-1/8" (79.2 mm)	3-1/8" (79.2 mm)
3-1/2" (88.9 mm)	3-1/2" (88.9 mm)	3-1/2" (88.9 mm)	3-1/2" (88.9 mm)		
Slip Body Assembly, 4-1/2" Nom.	3-1/2" (88.9 mm)	3-1/2" (88.9 mm)	3-1/2" (88.9 mm)	3-1/2" (88.9 mm)	
	Slip Insert Set, 4-1/2" Nom.	4" (101.6 mm)	4" (101.6 mm)	4" (101.6 mm)	
		4-1/2" (114.3 mm)	4-1/2" (114.3 mm)	4-1/2" (114.3 mm)	
Solid Slip Body Assembly	4-3/4" (120.7 mm)	4-3/4" (120.7 mm)	4-3/4" (120.7 mm)	4-3/4" (120.7 mm)	
	5" (127.0 mm)	5" (127.0 mm)	5" (127.0 mm)	5" (127.0 mm)	
	5-1/2" (139.7 mm)	5-1/2" (139.7 mm)	5-1/2" (139.7 mm)	5-1/2" (139.7 mm)	