



Weatherford®

Oil Country Manufacturing



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Contents

Introduction	2
Well-Servicing Equipment	4
"Full Nelson" Bidirectional Jaw System	4
Master Tubing Tongs	
Model 55000, 56800, 55700 and 57800	6
Open-Head Tubing Tongs	
Model 45000	8
Models RS and CTS	9
Backup Tongs	
Double Backup	10
Models Three-Jaw and MS	11
Closed-Head Tubing Tongs	
Model CH 58	12
Model 93	13
Power Sucker-Rod Tongs	
Models M-20, M-40, M-50 and M-75	14
Hooks	
100-Ton Tubing Hooks and Blocks	15
Links	
Weldless Elevator and Big Eye™ Links	16
Inverted Snubbing Spiders	
Model CHD	17
Tubing Spiders	
Models B, CHD and E	18
Elevators	
Center-Latch Tubing Elevator Model CL-100	20
Load-Locking Elevator	21
Heavy-Duty Rod Hooks	
Models RH-20 and RH-35	22
Heavy-Duty Rod Elevators	
Models RES-1 and REP-1	23
Rod-Handling Accessories	
Rod Swivel and 35-Ton Rod Hook Clevis	24
Miscellaneous	
Depthometer and Sucker-Rod Wrenches	25
Casing Equipment	26
Casing Tongs	
16-25 High-Torque Casing Tong	26
24-50 High-Torque Casing Tong	27
Hydraulic Power Units	28
Drilling Equipment	29
Kelly Spinners	29

Introduction



Weatherford's Oil Country Manufacturing (OCM), committed to the success of well-servicing contractors worldwide, supplies state-of-the-art well-servicing equipment of the highest quality. Our innovative product designs represent many years of field research, and our dedication to quality and service result in lower operational costs, less downtime and better safety records for our clients.

From our main manufacturing facilities in Ventura, California, USA, we promptly and efficiently process your equipment orders. Our easy access to international air and ocean freight terminals ensures prompt shipment to anywhere in the world.

We do one thing better than anyone else: We build the best well-servicing equipment on the market. Count on Weatherford's OCM equipment for efficiency, dependability and safety!



A complete line of well-servicing equipment

Our complete line of high-quality, well-servicing equipment combines field-proven features with innovative designs, developed in response to client needs. From tongs, spiders and elevators to hooks, we can deliver the equipment you need to be more productive. And we're available 24 hours a day to service what we sell.



Practical design and quality manufacturing

The quality of Weatherford's OCM products attests to our management and engineering staff's extensive experience in the well-servicing industry. Field-proven features and innovative design distinguish our superior Well-Servicing Equipment.

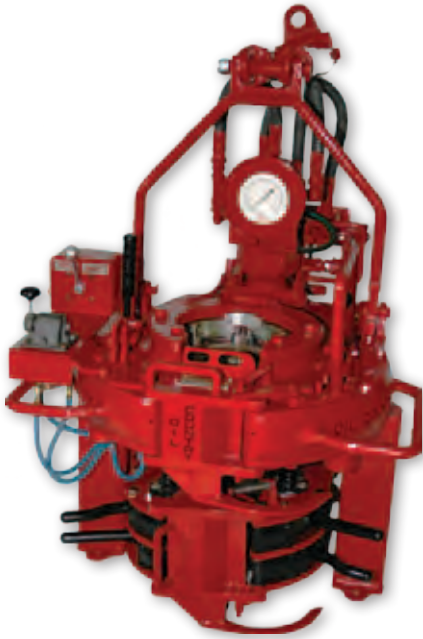
Our manufacturing facility includes state-of-the-art CNC machines for precise manufacture of our product-line components. We understand that proper fit and function of high-quality equipment give you confidence and peace of mind.

Products are quality inspected for materials, dimensions, function and load test. Our quality assurance program meets Weatherford's standards, ensuring superior inspection methods, materials, processes, procedures, testing, engineering and product design.

With our commitment to quality, you know you are receiving the best well-servicing equipment in the industry; equipment that is consistently reliable, cost-effective and safe.

INTRODUCING

“Full Nelson” Bidirectional Jaw System



Features

- Our “Full Nelson” bidirectional jaw system saves time and enhances safety.
- Unlike other open-face tubing tongs, our new bidirectional jaw system enables you to go from make to break with the flip of a switch.
- Sizes range from 2.38 to 5.50 in. with full-wrap rocker directional dies.
- No need to shut down hydraulics to the tong, as hands are never placed inside the tong.
- Models available are: 46000 and 57500.
- Size range increased to 5 1/2 in. (model 57500).
- The combination top-cast case and bottom-fabricated plate provide greater strength.
- Gears, rollers, pins, and bearings are reengineered to provide greater strength that is required for higher torque.
- Integrated load cell and torque gauge with backup offer increased makeup torque accuracy (optional).
- Makeup pressure-control valve is mounted on tong (optional).
- Three-jaws power backup or the double backup provide greater safety (optional).
- The system offers a gear-driven design.



“Full Nelson” Bidirectional Jaw System

Specifications

Models	46000	57500	57501	57502	57503
Length (in./mm)	42.5 1,079.5				
Width (in./mm)	30 762.0				
Height (in./mm)	29.25 743.0				
Weight (lb/kg)	672 304.81	675 306.2	780 353.8		
Tong arm length (in./mm)	29 736.6				
Pipe size range (in./mm)	1.05 to 4.75 26.7 to 120.7	1.05 to 5.50 26.7 to 139.7			
Torque in low gear at 2,500 psi (172 bar) (ft-lb/N•m)	6,670 9,043	8,740 11,850	11,750 15,931	12,680 17,192	14,500 19,659
Torque in low gear at 2,000 psi (138 bar) (ft-lb/N•m)	5,440 7,376	7,023 9,522	9,390 12,731	10,000 13,558	11,750 15,931
Rated speed in high gear, 35 gpm (133 lpm) (rpm)	93	93	76	67	61
Rated speed in low gear (rpm)	27.0	20.6	15.4	13.7	12.5
Nominal power requirements 35 gpm (133 lpm) (psi/bar)	2,000 138				

Backup type	Manual MS	Pneumatic/Hydraulic	Pneumatic/Hydraulic
Pipe size range (in./mm)	1.05 to 4.50 26.7 to 114.3	1.050 to 5.563 26.7 to 141.3	1.050 to 6.125 26.7 to 155.6
Weight (lb/kg)	53 24.0	148 67.1	148 67.1

Master Tubing Tong

Model 55000, 56800, 55700 and 57800



Master Tubing
Tong with Hydraulic
Backup and Load Cell

Features

- Increased size range to 5-1/2 in. (Models 55700/57800)
- Higher-torque open-head tong
- Combination top-cast case and bottom-fabricated plate for greater strength
- Gears, roller pins and bearings redesigned to provide greater strength required for higher torque
- Integrated load cell and torque gauge mounted with backup for increased makeup torque accuracy (optional)
- Makeup pressure control valve mounted on tong (optional)
- Flip-top lid for easy access to brake band
- Three-jaw power backup for greater safety (optional)
- Gear-driven, chainless design
- Proven planetary gear transmission

Master Tubing Tongs

Model 55000, 56800, 55700 and 57800

Specifications

Models	55000	56800	56801	56802	55700	57800	57801	57802
Length (in./mm)	42.5 1,079.5							
Width (in./mm)	30 762.0							
Height (in./mm)	29.25 743.0							
Weight (lb/kg)	716 324.8				675 306.2	780 353.8		
Tong arm length (in./mm)	29 736.6							
Pipe size range (in./mm)	1.05 to 4.75 26.7 to 120.7				1.05 to 5.50 26.7 to 139.7			
Torque in low gear at 2,500 psi (172 bar) (ft-lb/N•m)	8,740 11,850	11,750 15,931	12,680 17,192	14,500 19,659	8,740 11,850	11,750 15,931	12,680 17,192	14,500 19,659
Torque in low gear at 2,000 psi (138 bar) (ft-lb/N•m)	7,023 9,522	9,390 12,731	10,000 13,558	11,750 15,931	7,023 9,522	9,390 12,731	10,000 13,558	11,750 15,931
Rated speed in high gear, 35 gpm (133 lpm) (rpm)	93	76	67	61	93	76	67	61
Rated speed in low gear (rpm)	20.6	15.4	13.7	12.5	20.6	15.4	13.7	12.5
Nominal power requirements 35 gpm (133 lpm) (psi/bar)	2,000 138							

Backup type	Manual MS	Pneumatic/Hydraulic	Pneumatic/Hydraulic
Pipe size range (in./mm)	1.050 to 6.125 26.7 to 155.6	1.050 to 5.563 26.7 to 141.3	1.050 to 6.125 26.7 to 155.6
Weight (lb/kg)	53 24.0	148 67.1	148 67.1

Open-Head Tubing Tongs

Model 45000



Model 45000

Features

- Safety door: operational lock-out device prevents tong from operating with door open
- Load-bearing door minimizes case spreading effect
- Integrated load cell and torque gauge mounted with backup for increased makeup torque accuracy (optional)
- Flip-top lid for easy access to brake band
- Three-jaw power backup for greater safety (optional)
- Gear-driven, chainless design
- Proven planetary gear transmission

Specifications

Length (in./mm)	42.5 1,079.5
Width (in./mm)	30 762.0
Height (in./mm)	29.25 743.0
Weight (lb/kg)	672 304.81
Tong arm length (in./mm)	29 736.6
Pipe size range (in./mm)	1.05 to 4.75 26.6 to 120.6
Torque in low gear at 2,500 psi (172 bar) (ft-lb/N·m)	6,670 9,043
Torque in low gear at 2,000 psi (138 bar) (ft-lb/N·m)	5,440 7,376
Rated speed in high gear, 35 gpm (133 lpm) (rpm)	93
Rated speed in low gear (rpm)	27.0
Nominal power requirements 35 gpm (133 lpm) (psi/bar)	2,000 138

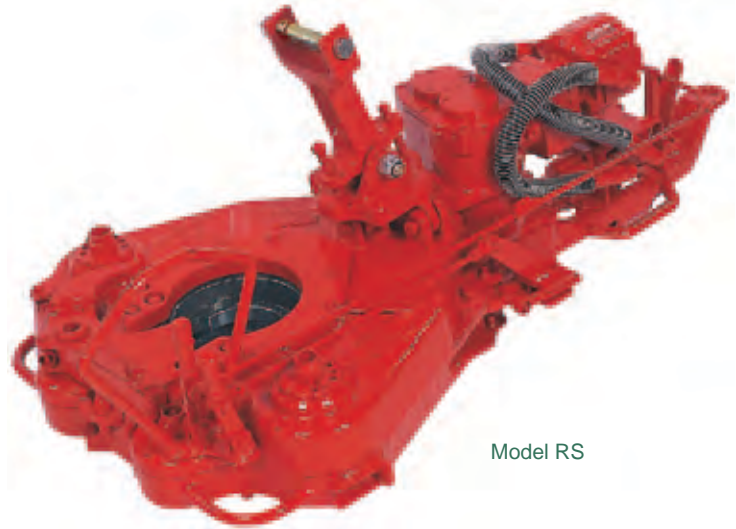
Backup type	Manual MS	Pneumatic/Hydraulic
Pipe size range (in./mm)	1.05 to 4.5 26.7 to 114.3	1.05 to 5.563 26.7 to 141.3
Weight (lb/kg)	53 24.0	148 67.1

Open-Head Tubing Tongs

Models RS and CTS

Features

- More steel weight in case to reduce potential of 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
- Uses the familiar jaw-and-bushing biting system



Model RS

Specifications

Model	RS	CTS
Length (in./mm)	51.5 1,308.1	
Width (in./mm)	27.75 704.9	
Height (in./mm)	25 635.0	
Weight (lb/kg)	658 298.46	
Tong arm length (in./mm)	39.5 1,003.3	

Model	RS	RS Hi-Torque	CTS	CTS Hi-Torque
Pipe size range (in./mm)	1.05 to 4.50 26.7 to 114.3	1.05 to 4.75 26.7 to 120.7	1.05 to 5.50 26.7 to 139.7	
Torque in low gear at 2,000 psi (136 bar) (ft-lb/N·m)	4,650 6,305	6,600 8,948	4,650 6,305	6,600 8,948
Rated speed in high gear, 35 gpm (133 lpm) (rpm)	100	80	100	80
Nominal power requirements 35 gpm (133 lpm) (psi/bar)	2,000 138			

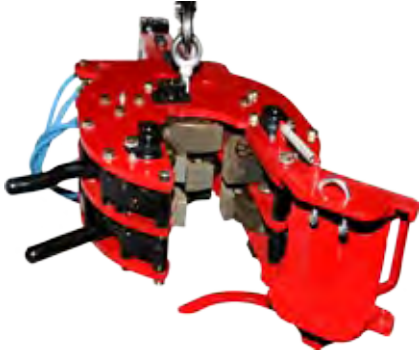
Backup type	Manual MS	Pneumatic/Hydraulic
Pipe size range (in./mm)	1.05 to 4.50 26.7 to 114.3	1.05 to 5.563* 26.7 to 141.3
Weight (lb/kg)	53 24.0	148 67.1

*Also available in sizes up to 6 1/8-in. (155.6 mm).

INTRODUCING

Backup Tongs

Double Backup

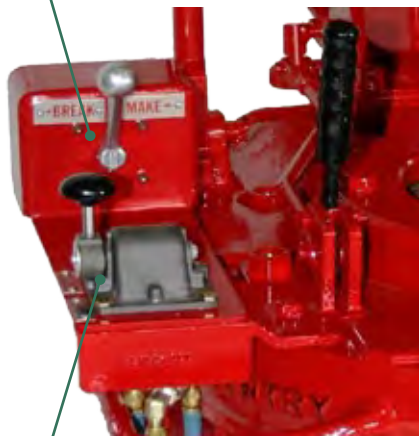


Air-operated double backup

Features

- The double backup was created to save time and enhance safety.
- The double backup has an upper and lower biting system with a directional control switch.
- With our double backup system, the operator flips a switch when going from make to break, instead of flipping the backup.
- This system doubles the proven technology of our single backup system.
- A tested time saver, it offers automatic door closing when the tong is brought onto the tubing.

Backup directional controls



Backup controls

Backup Tongs

Models Three-Jaw and MS

OCM can provide the three-jaw or MS backup tongs for use with our open-head tubing tongs and master tubing tongs. Backup tongs hang below the power tubing tong for making and breaking threaded tubular connections. The three-jaw backup tong is available with pneumatic or hydraulic operation. The MS backup tong is available only for manual operations.

Three-Jaw Power Backup System

Features

- Increased safety: helps keep rig crew's hands clear of potential danger
- Easy operation: straightforward design for ease of use
- Increased strength: significantly stronger than traditional manual backups

Specifications

Models	Manual MS	Three-Jaw Pneumatic	Three-Jaw Hydraulic
Part Number	45700-	55510-102*	55520-202*
Pipe Size Range (in./mm)	1.05 to 6.125 26.7 to 155.6	1.05 to 5.563 26.7 to 141.3	
Weight (lb/kg)	53 24	148 67	170 77
Jaws for MS Backup size range (in./mm)			Part Number
1.310 to 2.060 (33.3 to 52.3)			45420 Lug Jaw
2.188 to 3.668 (55.6 to 93.2)			45422 Lug Jaw
3.500 to 4.500 (88.9 to 114.3)			45424 Lug Jaw
4-1/2 to 6-1/8 (114.3 to 155.57)			45577 Short Latch Jaw
Jaw Sets for both Air and Hydraulic Backup size range (in./mm)			
1.050 to 3.690 (26.7 to 93.7) diamond tooth			55152-100
1.900 to 4.500 (48.3 to 114.3) straight tooth			55177-100
2.875 to 5563 (73.0 to 141.3) straight tooth			55157-100

*Also available in sizes up to 6 1/8-in. (155.6 mm).

MS Manual Backup Tong

Features

- Increased safety: helps keep rig crew's hands clear of potential danger
- Easy operation: straightforward design for ease of use



Model Air Backup



Model MS

Closed-Head Tubing Tongs

Model CH 58



Model CH 58-1

Features

- Increased safety: drag button adjustments made from outside the tong; hands are never placed inside the drag ring for adjustments
- Gear-driven, chainless design eliminates need for oil bath lubrication
- No oil seals to leak fluid
- Fabricated case for easier maintenance
- For higher-torque versions, backup uses same full-size jaws as in the tong for greater strength
- Integrated load cell and torque gauge mounted with backup for increased makeup torque accuracy (optional)
- Uses the familiar five-jaw and drag gripping system
- Optional hydraulic lift and stiff arm

Specifications

Models	CH 58-1	CH 58-2	CH 58-5
Length (in./mm)	50 1,270.0		
Width (in./mm)	30 762.0		
Height (in./mm)	38 965.2		
Weight* (lb/kg)	1,196 542.5		
Tong arm length (in./mm)	36 914.4		
Pipe size range (in./mm)	1.312 to 7.0 33.3 to 178.8		
Torque in low gear at 2,500 psi (172 bar) (ft-lb/N•m)	8,210 11,131	11,200 15,185	15,824 21,454
Torque in low gear at 2,000 psi (138 bar) (ft-lb/N•m)	6,580 8,921	9,180 12,446	12,700 17,219
Rated speed in high gear, 35 gpm (133 lpm) (rpm)	106	76	55
Nominal power requirements 35 gpm (133 lpm) (psi/bar)	2,000 138		

Backup type	Pneumatic	Hydraulic	Hydraulic
Pipe size range (in./mm)	1.05 to 6.125 26.7 to 155.6		

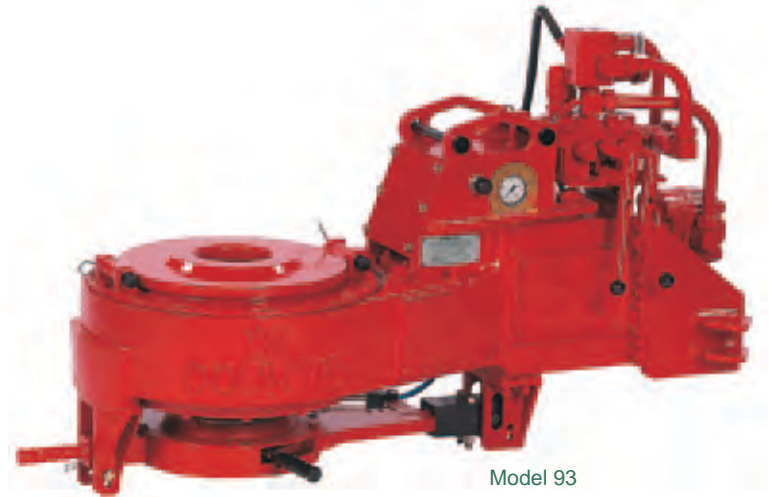
*Excluding backup

Closed-Head Tubing Tongs

Model 93

Features

- Traditional chain-driven, oil-bath lubrication system
- Uses the familiar five-jaw and jaw-carrier gripping system
- Optional manual, air or hydraulic backup
- Optional hydraulic lift cylinder
- Optional torque arm (stiff arm)



Model 93

Specifications

Length (in./mm)	51 1,295.4
Width (in./mm)	22 558.8
Height (in./mm)	32 812.8
Weight (lb/kg)	1,173 532.1
Tong arm length (in./mm)	36 914.4
Pipe size range (in./mm)	1.312 to 7.0 33.3 to 178.8
Torque in low gear at 2,500 psi (172 bar) (ft-lb/N·m)	6,000 8,135
Rated speed in high gear, 35 gpm (133 lpm) (rpm)	126
Nominal power requirements 35 gpm (133 lpm) (psi/bar)	2,000 138

Backup type	Pneumatic/ Hydraulic
Pipe size range (in./mm)	1.05 to 6.125 26.7 to 155.6

Power Sucker-Rod Tongs

Models M-20, M-40, M-50 and M-75



Model M-40

Features

- Safer than manual rod wrenches
- Optional pressure control valve and gauge mounted on tong for greater accuracy of makeup torque
- Reduced incidence of cross threading
- Increased accuracy and consistency of makeup torque

Safety Installation and Removal Tool

- Installs and removes the rod tong inner ring assembly when changing rod sizes.
- Optional safety installation tool eliminates need for placing hands inside the tong to change inner rings.



Specifications

Model	M-20	M-40	M-50	M-75
Part number	27841	27841-1	27841-5	27841-75
Maximum torque (ft-lb/N·m)	1,290 1,749	1,620 2,196	2,040 2,766	2,830 3,837
Maximum speed (rpm)	130	105	80	65
Hydraulic requirements	2,000 psi at 30 gpm 138 bar at 114 lpm			
Estimated weight (lb/kg)	348 158	321 146	366 166	
Rod size (in./mm)	0.500 to 1.125 12.7 to 28.6			
API pipe range* (in./mm)	1.05 to 1.90 26.7 to 48.3			

* When using special jaw assembly.

Hooks

100-Ton Tubing Hooks and Blocks

Features

- Available in the 80 series (solid shaft) or the 70 series (spring-loaded shaft)
- Solid side plates available in standard or weighted versions

Specifications

Series	70	80
Length (in./m)	76 1.9	57 1.4
Width (in./mm)	27.5 698.5	
Height (in./mm)	15.25 387.4	
Weight (lb/kg)	2,672 1,212.0	2,120 961.6



80 Series

Links

Weldless Elevator and Big Eye™ Links



Weldless Elevator Links



Big Eye Links

Weldless Elevator Links

Features

- All 1 3/4-in., 150-ton rated
- Available in 36-, 48-, 60-, 72-, 84-, and 96-in. lengths

Specifications

Models (in./m)	36 0.9	48 1.2	60 1.5	72 1.8	84 2.1	96 2.4
Length (in./m)	42.50 1.1	53.50 1.4	65.50 1.7	77.25 2.0	90.00 2.3	101.00 2.6
Width (in./mm)	8.5 215.9					
Weight (lb/kg)	165 74.8	184 83.5	220 99.8	265 120.2	308 139.7	350 158.8

Big Eye Links

Features

- 200-ton rated
- Available in 60-, 72-, 84-, and 96-in. lengths. (longer lengths available upon request)
- Top link eye will fit vertically and roll to a horizontal position in all 75-, 150- and 160-ton block hooks
- Bottom link eye will fit vertically and roll to a horizontal position in all 65-, 100- and 150-ton elevators

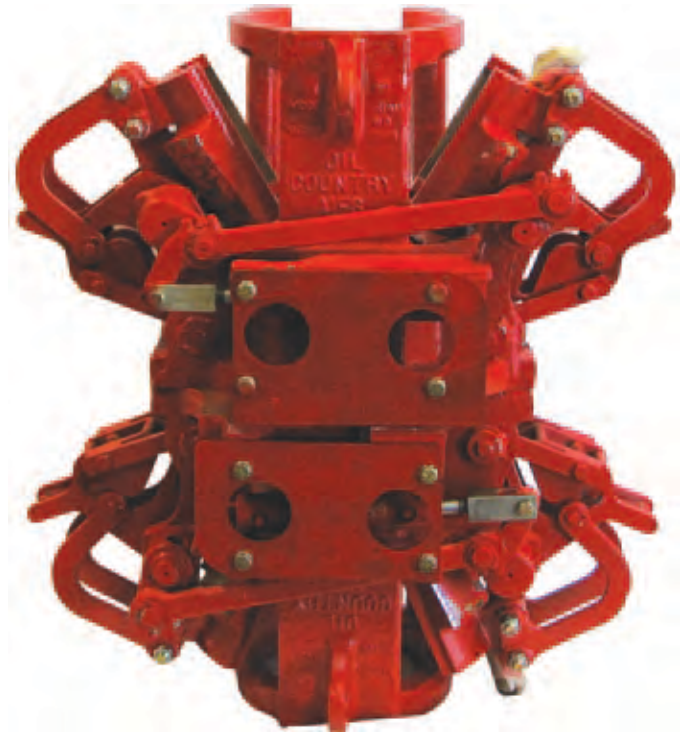
Inverted Snubbing Spiders

Model CHD

These spiders can be manufactured to operate in the inverted (or upside-down) position for use in snubbing operations.

Features

- Choice of models for varying size ranges and tonnage ratings for single-string operations
- Interchangeable doors (within a model size)
- 360° replaceable inserts
- Operates pneumatically or hydraulically



Model CHD

Tubing Spiders

Models B, CHD and E



Model CHD



Model B



Model E

OCM Models B, CHD and E tubing spiders can handle various tubing sizes and load ratings. Tubing spiders use two slip-body assembly halves. (Slip inserts fit into the slip-body assembly elements.)

A safety latch can engage a shoulder on the link to prevent movement of the link and shaft arms. This feature traps the slips in the down and engaged positions, preventing accidental release of the tubing string.

Features

- Choice of models for varying size ranges and tonnage ratings for single-string operations
- Interchangeable doors (within a model size)
- 360° replaceable inserts
- Air or hydraulic operation

Specifications

Models (in./m)	B	CHD	E
Height to guard (in./mm)	14.00 355.6	17.75 450.9	21.50 546.1
Base (in./mm)	12.00 to 16.00 304.8 to 406.4	19.25 to 18.50 489.0 to 469.9	23.50 to 24.50 596.9 to 622.3
Gate opening (in./mm)	4.25 108.0	6.00 152.4	7.50 190.5
Bowl opening (in./mm)	4.750 120.7	6.625 168.3	9.125 231.8
Weight (lb/kg)	206 93.4	376 170.6	856 388.3

Tubing Spiders

Model B, CHD and E

Specifications (continued)

Model	B	CHD	E
Capacity (lb/kg)	110,000 49,895	250,000 113,398	350,000 158,757
Tubing Spider Assembly Without Slips	Part Number		
Domestic pneumatic	60000-100	65701-100	66007-100
Domestic hydraulic	60000H-100	65701-200	66007-200
Manual operation	60000-101		
Slip-Body Assembly, 3 1/2-in. Nominal*	60622-100		66621-100
Slip-Insert Set, 3 1/2-in. Nominal*			
1.315-in. (33.4-mm) tubing	65652-1.315		
1.660-in. (42.2-mm) tubing	65652-1.660		
1.900-in. (48.3-mm) tubing	65652-1.900		
2.060-in. (52.3-mm) tubing	65652-2.060		
2-3/8-in. (60.3-mm) tubing	65652-1		66651-1ST
2 7/8-in. (73.0-mm) tubing	65652-2		66651-2ST
3 1/8-in. (79.4-mm) tubing	65652-3.125		
3 1/2-in. (88.9-mm) tubing	65652-3		66651-3ST
Slip-Body Assembly, 4 1/2-in. Nominal*		65623-100	
Slip-Insert Set, 4 1/2-in. Nominal*			
3 1/2-in. (88.9-mm) tubing		65653-1	
4-in. (101.6-mm) tubing		65653-2	
4 1/2-in. (114.3-mm) tubing		65653-3	
Solid Slip-Body Assembly			
4.75-in. (120.7-mm) tubing		65624-4.75	
5-in. (127.0-mm) tubing		65624-1	
5 1/2-in. (139.7-mm) tubing		65624-2	
7 5/8-in. (193.7-mm) tubing			66625-100ST
Slip-Body Assembly, 5 1/2-in. Nominal*			66623-100
Slip-Insert Set, 5 1/2-in. Nominal*			
4-in. (101.6-mm) tubing			66653-1
4 1/2-in. (114.3-mm) tubing			66653-2
5-in. (127.0-mm) tubing			66653-3
5 1/2-in. (139.7-mm) tubing			66653-4
Slip-Body Assembly, 7-in. Nominal*			66624-100
Slip-Insert Set, 7-in. Nominal*			
5 1/2-in. (139.7-mm) tubing			66654-1ST
6 5/8-in. (168.3-mm) tubing			66654-2ST
7-in. (177.8-mm) tubing			66654-3ST

*Without slip insert set.

Elevators

Center-Latch Tubing Elevator Model CL-100



Model CL-100

OCM's center-latch tubing elevator can handle plain or upset collar-type tubing, drillpipe, and casing. The elevator is designed for various tubing sizes and for a 100-ton load rating. The two halves of the elevator are nearly of equal weight, providing proper balance for easier opening and closing. A safety latch prevents accidental opening of the elevator. Pulling on the latch disengages it and opens the elevator. Closing the two halves of the elevator automatically resets the latch in the locked position.

Features

- Safety latch and latch lock design
- When comparing raised load-bearing surface versus traditional elevators, during repair, this surface can be machined instead of being forced to build up elevator body
- Rear handle for safer handling
- Available in a 100-ton version

Specifications

Models (in./mm)	2-3/8 60.3	4-1/2 114.3
Length (in./mm)	17.25 438.2	19.25 489.0
Width (in./mm)	16.25 412.8	18.25 463.6
Height (in./mm)	10.25 260.4	11.00 279.4
Weight (lb/kg)	128 58.1	172 78.0

Model	CL-100
Capacity (ton/tonne)	100 90.7
Tubing Size and Type	Part Number
2 3/8-in. (60.3-mm) plain	100017-100
2 3/8-in. (60.3-mm) upset	100018-100
2 7/8-in. (73.0-mm) plain	100019-100
2 7/8-in. (73.0-mm) upset	100020-100
3 1/2-in. (88.9-mm) plain	100021-100
3 1/2-in. (88.9-mm) upset	100022-100
4-in. (101.6-mm) plain	100023-100
4-in. (101.6-mm) upset	100024-100
4 1/2-in. (114.3-mm) plain	100025-100
4 1/2-in. (114.3-mm) upset	100026-100

Elevators

Load-Locking Elevator

Features

- 360° load-support area provides greater security
- Rifle-style lock keeps elevator closed, even under zero load
- Load-locking plate keeps safety latches tightly shut under load
- Wedged-designed back handle
- Available in 2 3/8- and 2 7/8-in. sizes
- 100-ton

Specifications

Model CLL-100 (in./mm)	2-3/8 60.3	2-7/8 73.0
Capacity (ton/tonne)	100 90.7	
Part Number	22205-008	22215-008
Length (in./mm)	17.25 438.2	
Width (in./mm)	16.25 412.8	
Height (in./mm)	10.25 260.4	
Weight (lb/kg)	148 67.1	146 66.2



Load-Locking Elevator

Heavy-Duty Rod Hooks

Models RH-20 and RH-35



Model RH-20



Model RH-35

Weatherford's OCM rod hooks are available with a load rating of either 20 or 35 tons and with a choice of locking mechanism. The standard locking mechanism operates with a one-hand grip at the hook's center of balance. This capability enables the operator to steady the hook, open the latch, and engage or remove the bail of the rod elevator in one smooth, continuous motion on or off the hook. The alternative to the standard lock is a new latching mechanism that further enhances operator safety.

Both models feature a structural guard on the rod hook that protects the operator's hand. The RH-35 rod hook uses a spring support for easier stabbing, makeup, and disengagement of sucker rod threads; however, some operators prefer the shorter length of the RH-20 model.

Features

- Choice of 20- and 35-ton models
- Both models available in standard locking version or with new safety latch mechanism for increased safety

Specifications

Models	RH-20	RH-35
Part Number	22040-100	21982-100
Capacity (ton/tonne)	20 20.1	35 31.8
Width (in./mm)	12.00 304.8	18.25 463.6
Length (in./mm)	25.5 647.7	39.0 990.6
Weight (lb/kg)	51 23	88 40

Heavy-Duty Rod Elevators

Models RES-1 and REP-1

Features

- Available in solid- or plate-type body style
- Reversible body styles
- Front and rear latches for easier operation

Specifications

Models	RES-1 (Solid) Body	REP-1 (Plate-Type) Body
Capacity (lb/kg)	50,000 22,680	
Weight (lb/kg)	32 14.5	31 14.1
Size Range:	Part Number	
1/2 to 5/8 in. (13 to 16 mm)	—	27728-100
5/8 to 3/4 in. (16 to 19 mm)	27725-100	27729-100
3/4 to 7/8 in. (19 to 22 mm)	27726-100	27730-100
1 in. (25 mm)	27727-100	27731-100
1-1/8 in. (29 mm)	27750-100	27732-100

Model PRE (Solid) Body for Polished Rods	
Capacity (lb/kg)	50,000 22,680
Weight (lb/kg)	32 14.5
Size Range:	Part Number
1 in. (25 mm)	27736-100
1-1/8 in. (29 mm)	27733-100
1-1/4 in. (31.75 mm)	27734-100
1-1/2 in. (38 mm)	27735-100



Model RES-1



Model REP-1

Rod-Handling Accessories

Rod Swivel and 35-Ton Rod Hook Clevis



Rod Swivel

OCM rod swivels create a safer working environment by greatly reducing the effects of potentially dangerous operations, such as releasing sanded-up rods in standard pump wells. In a progressive cavity pump application, once the downhole pump is initially unseated, the rods will spin within the rod swivel, and that action is contained within the tubing elevator. After the danger has passed, the rod swivel is removed, and normal operations can resume. The rod swivel works in either a 2 7/8- or 3 1/2-in. collar-type tubing elevator.

Specifications

Width (in./mm)	7.0 177.8
Height (in./mm)	18.0 457.2
Weight (lb/kg)	53.0 24.0



35-Ton Rod Hook Clevis

Features

- For installation of rod hook onto blocks

Miscellaneous

Depthometer and Sucker-Rod Wrenches

Depthometer

OCM's depthometer provides quick and accurate wireline measurements when performing bailing, cleaning out, swabbing, or similar operations.

Features

- Available in either ball-bearing or bronze-bearing design

Specifications

Models	Bronze Bearing		Ball Bearing	
	(units in ft)	(units in mm)	(units in ft)	(units in mm)
Part Number	14000-200	14000-202	14000-201	14000-203
Weight (lb/kg)	11 5			



Model DP-200

Sucker Rod Wrenches

Specifications

Sucker Rod Wrench Assembly Part Number	Rod/Coupling Square Size (in./mm)	Size of Sucker Rod ¹ (in./mm)	Handle Length (in./mm)	Wrench Head Part Number	Spring Kit ² Part Number
QA1-19	7/8 22.5	5/8 SR 15.9 SR	19 482.6	27609	800026
QA2-19	1 25.4	3/4 to 7/8 SR 19.1 to 22.2 SR		27610	
QA2-19R	1-1/8 28.6	7/8 EL SR 22.2 EL SR		27611	
QA4-19	1-5/16 33.3	1 SR 25.4 SR		27612	
QA5-19	1-1/2 38.1	1-1/8 SR 28.6 SR		27613	

¹SR = Sucker rod

²Spring kit includes 1 spring, 1 pivot pin, and 2 retainer rings.



Casing Tongs

16-25 High-Torque Casing Tong



16-25 High-Torque Casing Tong



Optional hydraulic free-floating backup virtually eliminates shearing and bending when making or breaking out connections.

Weatherford's 16-25 hydraulic high-torque casing tong provides 25,000 ft-lb torque capacity for running and pulling 6 5/8- to 16-in. casing. The unit's unique gated rotary completely encircles the casing and provides as many as seven contact points that distribute gripping forces over a greater area than conventional tong designs. Optional integral free-floating backup unit helps to ensure proper connection makeup and long-term wellbore integrity.

Features

- Tong design handles high-torque requirements without the case body distortions that plague many other tongs
- Versatile, lightweight and easy to operate
- Optional hydraulic free-floating backup design virtually eliminates shearing and bending moments when making up or breaking out connections
- Hydraulic door interlock prevents tong operation while the doors are open or unlatched
- Optional lift cylinder quickly adjust to varying connection heights
- Weatherford's optional Micro-Grip™ system grips the casing fully

Specifications

Pipe size range	6-5/8 to 13-3/8 in. ^a	16 in. ^b
Rated torque in low gear ^c (ft-lb, <i>N•m</i>)	25,000 33,900	
Rated speed in high gear ^d (rpm)	93	
Tong dimensions (in./mm)	34 x 54 x 31 864 x 1,356 x 782	
Torque arm length (in./mm)	32 813	
Tong weight (lb/kg)	1,075 488	
Nominal power requirement flow ^e (gpm/lpm)	60 to 80 227 to 303	
Nominal power requirement flow ^f (gpm/lpm)	30 to 40 114 to 152	

^a13 3/8-in. rotary and jaws

^b16-in. rotary and jaws

^cAt 2,000 psi (138 bar)

^dAt 70 gpm (265 lpm)

^eAt 1,000 psi (69 bar)

^fAt 2,000 psi (138 bar)

Casing Tongs

24-50 High-Torque Casing Tong

Weatherford's 24-50 high-torque casing tong provides 50,000 ft-lb torque capacity for running and pulling 10 3/4- to 24-in. casing. The unit's unique gated rotary completely encircles the casing, providing greater circumferential coverage, a smaller footprint, and lighter overall weight than conventional tong designs. The 24-50 tong is capable of fully mechanized remote operation or semi-mechanized operation and is completely compatible with all of Weatherford's automated tong-positioning systems, including PowerFrame® and PowerScope® systems.

Features

- Tong design eliminates the need to use large manual rig tongs as backup when running casing
- Gated rotary completely encloses the casing, distributing the gripping forces over a greater area and ensuring a positive grip without pipe deformation or pipe marking problems
- Integral hydraulic backup grips pipe and couplings without crushing
- Free-floating backup design virtually eliminates shearing and bending moments when making or breaking out connections

Specifications

Pipe size range	10-3/4 to 20 in. ^a	24 in. ^b
Rated torque in low gear ^c (ft-lb, <i>N•m</i>)	50,000 67,800	
Rated speed in high gear ^d (rpm)	38	
Tong dimensions (in./mm)	53 × 77 × 28 1,346 × 1,948 × 711	
Torque arm length (in./mm)	48 1,219	
Tong weight (lb/kg)	2,300 1,045	
Nominal power requirement flow ^e (gpm/lpm)	60 to 80 227 to 303	
Nominal power requirement flow ^f (gpm/lpm)	30 to 40 114 to 152	

^a20-in. rotary and jaws
^b24-in. rotary and jaws
^cAt 2,500 psi (172 bar)
^dAt 70 gpm (265 lpm)
^eAt 1,000 psi (69 bar)
^fAt 2,500 psi (172 bar)



24-50 High-Torque Casing Tong

Hydraulic Power Units



Weatherford's hydraulic power units are engineered to deliver maximum power output from a compact and rugged design. Electric or diesel-powered 40- to 100-HP units are available to provide a reliable power source for a wide range of hydraulic requirements. Weatherford's power units are available in standard or custom configurations and are usually skid-mounted with provisions for marine handling.

Features

- Units are skid-mounted
- Explosion-proof motors
- Engines and hydraulics are water-cooled
- Low-noise units
- Remote on/off capability
- Heavy-duty pumps
- Hydraulic fluid is environmentally safe
- Automatic engine overspeed shut-off valves

Kelly Spinners

Weatherford's kelly spinners not only eliminate the spinning chain, thereby increasing both speed and safety when making kelly connections, they are also available in both pneumatic and hydraulic models. These kelly spinners also can be used for making up running tools, as well as for limited rat-hole and mouse-hole drilling. They provide the slow rotation necessary for fishing jobs or for orienting directional drilling tools. The pneumatically operated Model KS 1500 AB provides a torque of 825 ft-lb while the hydraulically operated Model KS 2400 HB provides a torque of 2,400 ft-lb.

Features

- Strong, simple, compact and incredibly rugged
- Heavy-duty, case-hardened, forged alloy-steel gear
- Rig up and down easily to fit all types of drilling rigs
- Fully reversible, allowing the driller to spin in or out by simply pushing or pulling the control valve handle
- All operations, including reversing direction and varying the speed, are completely controlled at the driller's console
- Unique engagement device eliminates accidental operation of the tool
- Easy installation and maintenance



Pneumatically operated Model KS 1500 AB provides a torque of 825 ft-lb.

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