

TC-150

MAN-TC-150 (R04)

OWEN OIL TOOLS

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Warning: use of owen equipment contrary to manufacturer's specifications or operating instructions may result in property damage, serious injury or fatality. If you are not trained in the handling and use of explosive devices, do not attempt to use or assemble any owen perforating systems or owen firing devices.

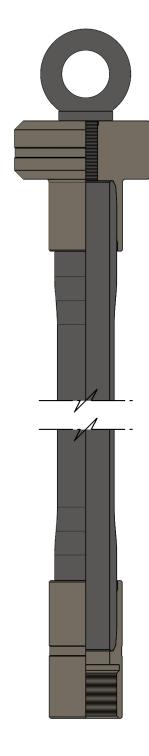
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DESCRIPTION:

The Handling Sub is used to lift or lay down guns on the catwalk or loading area, with the use of a winch line and rig hoisting equipment. The Handling Sub eye allows for hoisting/dragging the guns. The pup joint allows handling of the guns with the elevator.

An alternate handling sub is also available. Reference the catalog page documentation for TC-155 for details.

ADVANTAGES:

- Adapts to all carriers, Top Subs or Tandem Subs
- Compatible with 2-3/8" (60.3 mm) EU, 2-7/8" (73.0 mm) EU, 3-1/2" (88.9 mm) EU tubing, not requiring change of elevators while running production tubing
- Handling stem is a standard 2 foot pup joint.
- · Can be used repeatedly to lift perforating guns into place
- The Handling Cap, Pup Joint and Pickup Sub, are easily threaded together then screwed onto the perforating gun
- All assemblies are rated according to the "Eye-Bolt" rating

SPECIFICATIONS:

2-3/8 IN EU (60.3MM)		
MAXIMUM OD	3.063 in (77.80 mm)	
TUBING WEIGHT	4.7 lb/ft (6.99 kg/m)	

2-7/8 IN EU (73.0 MM)		
MAXIMUM OD	3.668 in (93.17 mm)	
TUBING WEIGHT	6.5 lb/ft (9.67 kg/m)	

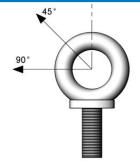
3-1/2 IN EU (88.9 MM)				
MAXIMUM OD	4.500 in (114.3 mm)			
TUBING WEIGHT	9.3 lb/ft (13.84 kg/m)			

NOTES: ALL ASSEMBLIES

Working Load Limit: 13,300 lbf Proof Load: 26,600 lbf

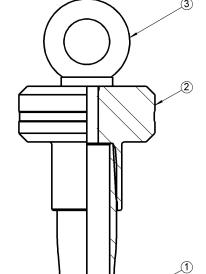
Capacity limit is reduced when loading at an angle

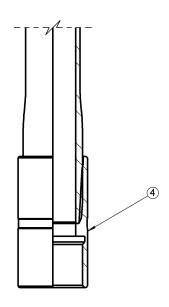
45°= 30% => W.L.L. = 3990 lbs. 90°= 25% => W.L.L. = 3325 lbs.



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BILL OF MATERIALS: 2.375" Assemblies Include

ITEM	PART NUMBER	QTY	DESCRIPTION
1	CC-101-2347-002	1	Pup Joint 2-3/8"EU 4.70lb/ft x 2 ft. L80
2	TC-150-0000-000	1	Handling Cap 2-3/8" EU with Eye Bolt
3	PF-051-100C-250	-	Eye Bolt, Crosby 1" 8 TPI UNC x 2-1/2 LG. #9900253, Included w/ Item 2

ITEM	PART NUMBER	QTY	DESCRIPTION
	TC-150-0023-000		Top Sub (GO Thread) x 2-3/8" EU
4	TC-150-0003-000	1	Crossover, 2-3/8" EU x Top Sub (GO)

ITEM	PART NUMBER	QTY	DESCRIPTION
	TC-150-2723-100		2-3/4" Gun (Box) x 2-3/8" EU
4	TC-150-0014-000	1	Crossover, 2-3/8" EU x 2-3/4" Gun (Box)

ITEM	PART NUMBER	QTY	DESCRIPTION
	TC-150-2823-100		2-7/8" Gun (Box) x 2-3/8" EU
4	TC-150-0026-000	1	Crossover, 2-3/8" EU x 2-7/8" Gun (Box)

	ITEM	PART NUMBER	QTY	DESCRIPTION
		TC-150-3323-100		3-3/8" Gun (Box) x 2-3/8" EU
ĺ	4	TC-150-0015-000	1	Crossover, 2-3/8" EU x 3-3/8" Gun (Box)

ITEM	PART NUMBER	QTY	DESCRIPTION
	TC-150-4023-100		4" Gun (Box) x 2-3/8" EU
4	TC-150-0016-000	1	Crossover, 2-3/8" EU x 4" Gun (Box)

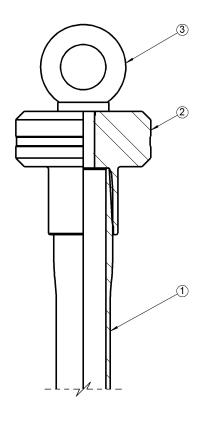
ITEM	PART NUMBER	QTY	DESCRIPTION
	TC-150-4523-100		4-1/2" Gun (Box) x 2-3/8" EU
4	TC-150-0018-000	1	Crossover, 2-3/8" EU x 4-1/2" Gun (Box)

ITEM	PART NUMBER	QTY	DESCRIPTION
	TC-150-5023-100		5" Gun (Box) x 2-3/8" EU
4	TC-150-0020-000	1	Crossover, 2-3/8" FU x 5" Gun (Box)

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BILL OF MATERIALS: 2.875" Assemblies Include



ITEM	PART NUMBER	QTY	DESCRIPTION
1	CC-101-2865-002	1	Pup Joint 2-7/8"EU 6.50lb/ft x 2 ft. L80
2	TC-150-0001-000	1	Handling Cap 2-7/8" EU with Eye Bolt
3	PF-051-100C-250	-	Eye Bolt, Crosby 1" 8 TPI UNC x 2-1/2 LG. #9900253, Included w/ Item 2

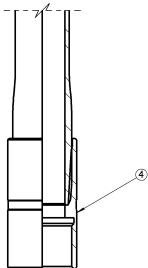
ITEM	PART NUMBER	QTY	DESCRIPTION
	TC-150-0027-000		Top Sub (GO Thread) x 2-7/8" EU
4	TC-150-0004-000	1	Crossover, 2-7/8" EU x Top Sub (GO)

ITEM	PART NUMBER	QTY	DESCRIPTION
	TC-150-4027-100		4" Gun (Box) x 2-7/8" EU
4	TC-150-0017-000	1	Crossover, 2-7/8" EU x 4" Gun (Box)

ITEM	PART NUMBER	QTY	DESCRIPTION
	TC-150-4527-100		4-1/2" Gun (Box) x 2-7/8" EU
4	TC-150-0019-000	1	Crossover, 2-7/8" EU x 4-1/2" Gun (Box)

ITEM	PART NUMBER	QTY	DESCRIPTION
	TC-150-5027-100		5" Gun (Box) x 2-7/8" EU
4	TC-150-0021-000	1	Crossover, 2-7/8" EU x 5" Gun (Box)





ITEM	PART NUMBER	QTY	DESCRIPTION
1	CC-101-3593-002	1	Pup Joint 3-1/2"EU 9.30lb/ft x 2 ft. L80
2	TC-150-0002-000	1	Handling Cap 3-1/2" EU with Eye Bolt
3	PF-051-100C-250	-	Eye Bolt, Crosby 1" 8 TPI UNC x 2-1/2 LG. #9900253, Included w/ Item 2

ITEM	PART NUMBER	QTY	DESCRIPTION
	TC-150-0035-000		Top Sub (GO Thread) x 3-1/2" EU
4	TC-150-0005-000	1	Crossover, 3-1/2" EU x Top Sub (GO)

ITEM	PART NUMBER	QTY	DESCRIPTION
	TC-150-5035-100		5" Gun (Box) x 3-1/2" EU
4	TC-150-0022-000	1	Crossover, 3-1/2" EU x 5" Gun (Box)

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