



The "DPRT" series of Drill Pipe Roughneck Tongs are designed for quick and safe making up and breaking out of drill pipe and drill collars. These roughneck tongs are widely used in oil and gas drilling, in land and offshore operations around the world. The "DPRT" roughneck tong is designed, manufactured and tested according to API 7K specifications.

The "M-O-T" - DPRT roughneck comes with the following features:

- ✓ The tong is open face, offering easy maneuvering and flexibility while operating.
- ✓ Integrated hydraulic torque tong and bucking tong in one single structure eliminates the need for cat head, manual tongs and spinning chains.
- ✓ The combined upper and lower tong structure avoids the possibility of bending the drill pipe under high torque application and prevents the pipe from slipping out of the spider or slips.
- ✓ With dual hydraulic and pneumatic control systems, the tong enhances safety and ease of operations by combining control during pipe gripping, door opening and closing; also during the push and pull cylinder operation.
- ✓ Automatic centering and gripping mechanism guarantees the reliable gripping of new and older joints.
- ✓ Fit for frequent and long period of operations, with features that provide safety and save time.
- ✓ Push and pull of the tong body is accomplished by the air cylinder action, instead of man power.
- ✓ Simple mechanism to control torque and speed. Maximum torque attained on both forward and reverse directions.
- ✓ Integrated air clutch allows shifting between high and low speeds with out stopping the tong.
- ✓ Integrated hydraulic lifting capabilities for tong height adjustment.

**DRILL PIPE  
ROUGHNECK TONG  
3-1/2" - 8-1/2"  
MODEL: DPRT-70/90/100**



DRILL PIPE TONG				
MODEL		DPRT-70	DPRT-90	DPRT-100
DRILL PIPE	mm	127-203	127-203	127-219
	in	3 1/2"~8	3 1/2"~8	3-1/2" 8-1/2"
MAX TORQUE	kNm	100	125	135
	ft.lbf	73,750	92,200	102,000
SPEED (HIGH GEAR)	rpm	40	40	36.7
SPEED (LOW GEAR)	rpm	2.7	2.7	2.35
AIR PRESSURE	MPa	0.5-09	0.5-09	0.5-0.9
	psi	72.5-130	72.5-130	72.5-130
PRESSURE RATING	MPa	16.6	20.7	20.7
	psi	2,400	3,000	3,000
FLOW RATING	L/min	114	114	135
	gpm	30	30	35.6
SHIFFING DISTANCE	mm	0-1,500	0-1,500	0-1,500
	in	0-59	0-59	0-59
LIFTING DISTANCE	mm	0-430	0-430	0-430
	in	0-17	0-17	0-17
SIZE	mm	1760x1000x1630	1760x1080x1630	1885x1162x1666
	in	69x39x64	69x42.5x64	74.2x45.7x65.9
WEIGHT	Kg	2,500	2,750	2,800
	lb	5,510	6,063	6,173