

HYDRAULIC POWER TONGS
TORQUE TURN SYSTEMS
PIPE HANDLING TOOLS
DIES & INSERTS
SAFETY PRODUCTS



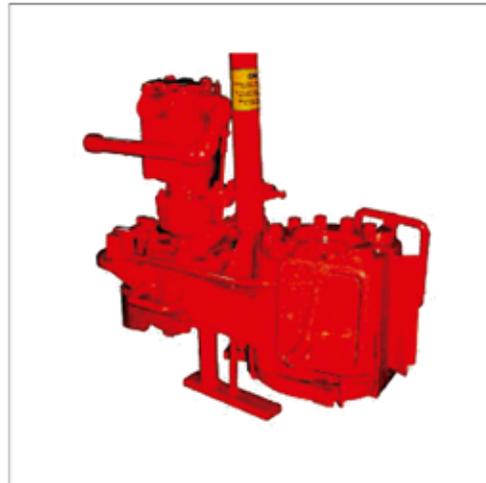
www.m-o-t.com



ROD TONG

Rang: **5/8" - 1-1/8"**

Max Torque Ratings: **1,200 - 4,000 Ft-Lbs.**



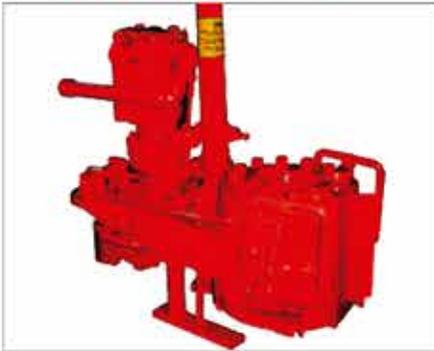
MODELS M20/ M40/M50/M75				500C		
CATALOG. N°	RANGE	HIGH GEAR	LOW GEAR	WEIGHT		
M20	5/8" - 1-1/8"	517 Ft.Lbs.	1200 Ft. Lbs.	230 Lbs.		
M40	5/8" - 1-1/8"	600 Ft.Lbs.	1600 Ft. Lbs.	363 Lbs.		
M50	5/8" - 1-1/8"	675 Ft.Lbs.	1900 Ft. Lbs.	363 Lbs.		
M75	5/8" - 1-1/8"	775 Ft.Lbs.	2800 Ft. Lbs.	366 Lbs.		
500C (Rod Tubing)	5/8" - 1-1/2"	1150 Ft. Lbs	4000 Ft. Lbs.	430 Lbs.		
ACCESSORIES						
BACKUP:	OPTIONAL					
JAWS:	OPTIONAL					
SPRING HANGER:	INCLUDED					
INNER RING ASSEMBLIES AND BACK-UP WRENCHES						
Size of Road	1/2"	5/8"	3/4" , 7/8"	1"	1-1/8"	7/8" Rod with 1-1/8" Square
Rod Inner Ring	27899-2	27899		27899-4	27899-1	27899-3
Rod Back-Up Wrench	27898	27902	27903	27906	27907	27903-1
Size of Macaroni Tubing	1.050"	1.315"		1.660"	1.900"	
Tubing Inner Ring	30718	30716		30714	30712	



TUBING TONG (OPEN FACE)

Range: **1.05" - 4-3/4"**

Max Torque Ratings: 4,250 ft-Lbs - 11,750 Ft-Lbs.



MODEL	500C	RS	4500/5500/5600	
CATALOG. N°	RANGE	HIGH GEAR	LOW GEAR	WEIGHT
500C (Rod Tubing)	1.05" - 3-1/2"	1150 Ft.Lbs.	4250 Ft. Lbs.	450 Lbs.
RS	1.05" - 4-1/2"	1150 Ft.Lbs.	4500 Ft. Lbs.	615 Lbs.
RS HT	1.05" - 4-1/2"	1600 Ft.Lbs.	6700 Ft. Lbs.	615 Lbs.
4500	1.05" - 4-3/4"	1600 Ft.Lbs.	6700 Ft. Lbs.	610 Lbs.
5500	1.05" - 4-3/4"	2200 Ft.Lbs.	8750 Ft. Lbs.	615 Lbs.
5600	1.05" - 4-3/4"	2850 Ft.Lbs.	11750 Ft. Lbs.	620 Lbs.
ACCESSORIES				
BACKUP:	OPTIONAL			
JAWS:	OPTIONAL			
SPRING HANGER:	INCLUDED			



CASING TUBING (CLOSE FACE)

Range: **15/16" - 10-3/4"**

Max Torque Ratings: 6,000 - 21,000 Ft-Lbs.

MODEL: 59-93R / 54-93 / 54-02				
CATALOG. N°	RANGE	HIGH GEAR	LOW GEAR	WEIGHT
58-93R	1-5/16" - 7"	300-1300Ft.Lbs.	6000 Ft. Lbs.	1000 Lbs.
54-93	1-5/16" - 7"	300-1500Ft.Lbs.	12000 Ft. Lbs.	1360 Lbs.
54-93HT	1-5/16" - 7"	300-1500Ft.Lbs.	18000 Ft. Lbs.	1400 Lbs.
54-02	2-3/8" - 10-3/4"	300-1500Ft.Lbs.	18000 Ft. Lbs.	1600 Lbs.
54-02HT	2-3/8" - 10-3/4"	300-1500Ft.Lbs.	21000 Ft. Lbs.	1650 Lbs.
ACCESSORIES				
BACKUP:	OPTIONAL			
JAWS:	OPTIONAL			
SPRING HANGER:	INCLUDED			



SUCKER ROD TONG 5/8" - 1-1/8"
MODEL: XQ29/2.6



ROD / TUBING TONG
5/8" - 1-1/8" / 1.90" - 2-3/8"
MODEL: XQ29/1.8



TUBING TONG 1.90" - 3-1/2"
MODEL: XQ89/3YC



ROD TONG - MODEL: XYQ29/2.6

CATALOG. N°	RANGE	HIGH GEAR	LOW GEAR	WEIGHT
XQ29/2.6Y	5/8" - 1 1/8"	700 Ft. Lbs.	2400 Ft. Lbs.	220 Lbs.

ACCESSORIES

MECHANICAL BACKUP:	INCLUDED
JAWS:	INCLUDED (5/8" - 1-1/8")
SPRING HANGER:	INCLUDED
DOOR INTERLOCK SYSTEM	OPTIONAL

ROD - TUBING TONG
MODEL: XQ29/1.8

CATALOG N°	RANGE	HIGH GEAR	LOW GEAR	WEIGHT
XQ29/1.8		517 Ft.Lbs.	1330 Ft. Lbs.	230 Lbs.
ROD:	5/8" - 1-1/8"			
TUBING:	1.90" - 2-3/8"			

ACCESSORIES

HYDRAULIC BACKUP	INCLUDED
JAWS	INCLUDED FULL SET
SPRING HANGER	INCLUDED
DOOR INTERLOCK SYSTEM	OPTIONAL

TUBING TONG
MODEL: XQ89/3YC

CATALOG N°	RANGE	HIGH GEAR	LOW GEAR	WEIGHT
XQ89/3YC	1.90" - 3-1/2"	811 Ft.Lbs.	2950 Ft. Lbs.	230 Lbs.

ACCESSORIES

HYDRAULIC BACKUP	INCLUDED
JAWS	INCLUDED 2-3/8" - 3-1/2"
SPRING HANGER	INCLUDED
DOOR INTERLOCK SYSTEM	OPTIONAL



TUBING TONG 1.66" - 4-1/2"
MODEL: XQ114/6B



TUBING TONG, 4-1/2" - MODEL: XQ114/6B				
CATALOG. N°	RANGE	HIGH GEAR	LOW GEAR	WEIGHT
XQ114/6YB	1.66" - 4 1/2"	1100 Ft. Lbs.	4400 Ft. Lbs.	485 Lbs.
ACCESSORIES				
HYDRAULIC BACKUP		INCLUDED		
TONG JAWS		INCLUDED "2-3/8" - 4-1/2"		
BACKUP JAWS		INCLUDED "2-3/8" - 5-9/16"		
SPRING HANGER		INCLUDED		
HYDRAULIC LIFT		OPTIONAL		
DOOR INTERLOCK SYSTEM		INCLUDED		

TUBING-DP-CASING-TONG
2-3/8" - 5-1/2"
MODEL: XQ140/12A



TUBING - DP- CASING TONG, 5-1/2"				
MODEL: XQ140/12A				
CATALOG. N°	RANGE	HIGH GEAR	LOW GEAR	WEIGHT
XQ140/12YA	2 3/8" - 5 1/2"	1900 Ft. Lbs.	8,850 Ft. Lbs.	1040 Lbs.
ACCESSORIES				
HYDRAULIC BACKUP		INCLUDED		
TONG JAWS		INCLUDED "2-3/8" - 5-1/2"		
BACKUP JAWS		INCLUDED "2-3/8" - 6-1/8"		
SPRING HANGER		INCLUDED		
HYDRAULIC LIFT		INCLUDED		
DOOR INTERLOCK SYSTEM		INCLUDED		



Our **SNUBBING / WORKOVER** tubing tongs are powerful, efficient and reliable. The small size and light weight of the tongs makes them ideal for Snubbing and Workover operations.

**SNUBBING / WORKOVER
TUBING TONG**
MODEL: XQ114-45MA



MODEL: XQ114-45M			
RANGE	HIGH TORQUE	LOW TORQUE	WEIGHT
1.66" - 4-1/2"	1,100 Ft. Lbs.	5,400 Ft. Lbs.	510 Lbs.
SYSTEM PSI	RPM HIGH	RPM LOW	WIDTH
1,800 Lbs.	85 RPM	20 RPM	19"
ACCESSORIES			
HYDRAULIC BACKUP	INCLUDED		
TONG JAWS	INCLUDED (2-3/8"- 4-1/2")		
BACKUP JAWS	INCLUDED (2-3/8"- 5-9/16")		
SPRING HANGER	INCLUDED		
HYDRAULIC LIFT	OPTIONAL		
LOAD CELL OPTION	OPTIONAL		
DOOR INTERLOCK SYSTEM	INCLUDED		

**SNUBBING / WORKOVER
CASING TUBING TONG**
MODEL: XQ140-55MA



MODEL: XQ140-55M			
RANGE	HIGH TORQUE	LOW TORQUE	WEIGHT
2-3/8" - 5-1/2"	2,000Ft. Lbs.	10,000Ft. Lbs.	1,150 Lbs.
SYSTEM PSI	RPM HIGH	RPM LOW	WIDTH
2,000 Lbs.	70 RPM	15 RPM	23"
ACCESSORIES			
HYDRAULIC BACKUP	INCLUDED		
TONG JAWS	INCLUDED 2-3/8"- 5-1/2"		
BACKUP JAWS	INCLUDED 2-3/8"- 6-1/8"		
SPRING HANGER	INCLUDED		
HYDRAULIC LIFT	INCLUDED		
LOAD CELL OPTION	INCLUDED		
DOOR INTERLOCK SYSTEM	INCLUDED		



**DRILL PIPE/CASING TONG
2-3/8" - 5-1/2"**
MODEL: ZQ127-25Y / ZQ127-20Y



DRILL PIPE / CASING TONG				
CATALOG. N°	RANGE	HIGH TORQUE	LOW TORQUE	WEIGHT
ZQ127-25Y	2-3/8"- 5-1/2'	18,439 #/FT	2,581 #/FT	1,433 LBS
ZQ127-20Y	2-3/8"- 5-1/2'	14,750 #/FT	1,770 #/FT	1,146 LBS
ACCESSORIES				
HYDRAULIC BACKUP		INCLUDED		
TONG JAWS FOR DRILL PIPE & CASING		INCLUDED (2-7/8" - 5-1/2")		
BACKUP JAWS FOR DRILL PIPE & CASING		INCLUDED (4" - 6-1/8")		
WRAPAROUND JAWS FOR TONG & BACKUP/TUBING & CASING		INCLUDED (2-3/8" - 5-1/2")		
WRAPAROUND DIES FOR TONG & BACKUP		INCLUDED (2-3/8" - 5-1/2")		
SPRING HANGER		INCLUDED		
HYDRAULIC LIFT		OPTIONAL		
LOAD CELL OPTION		INCLUDED		
DOOR INTERLOCK SYSTEM		OPTIONAL		



CASING TUBING TONG

RANGE: 2-3/8"-5-1/2"

MAX TORQUE: 25,000 Lbs - Ft

MODEL: KHT-5500A



MODEL: KHT-5500A

JAW RANGE	HIGH TORQUE	LOW TORQUE	TONG WEIGHT
2-3/8"-5-1/2"	25,000 # / Ft	3,200 # / Ft	1,230 Lbs
SYSTEM PSI	RPM HIGH	RPM LOW	WIDTH
2,000 Lbs	78 RPM	9.5 RPM	33.90"

ACCESSORIES

HYDRAULIC BACKUP	OPTIONAL
DIMENSION & WEIGHT	33" WIDE; 870 LBS
SPRING HANGER	INCLUDED
HYDRAULIC LIFT BUCKET	OPTIONAL
DOOR INTERLOCK SYSTEM	INCLUDED

CASING TUBING TONG

RANGE: 2-3/8" - 7-5/8"

MAX TORQUE: 35,000 Lbs - Ft

MODEL: MA-7625



MODEL: MA-7625

JAW RANGE	HIGH GEAR TORQUE	LOW GEAR TORQUE	TONG WEIGHT
2-3/8"-7-5/8"	3,022 # / Ft	35,376 # / Ft	2,486 Lbs
SYSTEM PSI	RPM HIGH	RPM LOW	WIDTH
2,300 Lbs.	38 RPM	3.3 RPM	39.37"

ACCESSORIES

HYDRAULIC BACKUP	OPTIONAL 2-3/8" - 8-1/2"
WEIGHT	660 LBS
SPRING HANGER	INCLUDED
HYDRAULIC LIFT BUCKET	OPTIONAL
DOOR INTERLOCK SYSTEM	INCLUDED
NON-MARKING CHROME GRIP	OPTIONAL



CASING TUBING TONG
RANGE: 2-7/8" - 9-5/8"
MAX TORQUE: 27,000 Lbs - Ft
MODEL: KHT-9625



KHT-9625 w / "A" Style BackUp

MODEL: KHT-9625			
JAW RANGE	HIGH GEAR TORQUE	LOW GEAR TORQUE	TONG WEIGHT
2-7/8"- 9-5/8"	2,850 # / Ft.	27,000 # / Ft.	1,750 Lbs
SYSTEM PSI	RPM HIGH	RPM LOW	WIDTH
2,300 Lbs.	65 RPM	6 RPM	31"
ACCESSORIES			
HYDRAULIC BACKUP		OPTIONAL 2-7/8" - 10-1/2"	
WEIGHT		930 LBS	
SPRING HANGER		INCLUDED	
HYDRAULIC LIFT BUCKET		OPTIONAL	
DOOR INTERLOCK SYSTEM		INCLUDED	

CASING TUBING TONGS
RANGES: 5-1/2" to 20"
MAX TORQUES: 25,000/50,000 Lbs-Ft
MODELS: TQ340-35/50/70/SE 16-25



TQ340-35Y (Optional Backup)

MODEL: TQ340-35Y			
JAW RANGE	HIGH TORQUE	LOW TORQUE	TONG WEIGHT
4-1/2"- 13-3/8"	3,540 # / Ft.	25,800 # / Ft.	1,650 Lbs
SYSTEM PSI	RPM HIGH	RPM LOW	WIDTH
2,000 Lbs.	42 RPM	6 RPM	35,5"
ACCESSORIES			
HYDRAULIC BACK UP		OPTIONAL	
SPRING HANGER		INCLUDED	
HYDRAULIC LIFT BUCKET		OPTIONAL	



The “ZQ” series of hydraulic power drill pipe tongs are designed for quick and safe making up and breaking out of drill pipe and drill collars. These power tongs are widely used in oil and gas drilling, in land and offshore operations around the world. The “ZQ” series tong is designed, manufactured and tested according to API 7K specifications. The ZQ203 drill pipe power tong 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. (ZQ203-125II).

DRILL PIPE TONG
3-1/2”- 8”
MODEL: ZQ203-125II



DRILL PIPE TONG			
MODEL		ZQ203-100 II	ZQ203-125 II
DRILL PIPE	mm	127-203	127-203
	in	3 1/2”~8	3 1/2”~8
MAX TORQUE	kNm	100	125
	ft.lbf	73,750	92,200
SPEED (HIGH GEAR)	rpm	40	40
SPEED (LOW GEAR)	rpm	2.7	2.7
AIR PRESSURE	MPa	0.5-09	0.5-09
	psi	72130	72130
PRESSURE RATING	MPa	16.6	20.7
	psi	2,400	3,000
FLOW RATING	L/min	114	114
	gpm	30	30
SHIFFING DISTANCE	mm	1,500	1,500
	in	59	59
LIFTING DISTANCE	mm	0-430	0-430
	in	0-17	0-17
SIZE	mm	1760x1000x1630	1760x1080x1630
	in	69x39x64	69x42.5x64
WEIGHT	Kg	2,500	2,750
	lb	5,510	6,063

SÓLO NK POWER TONG TORQUE TURN SYSTEM

With our SÓLO NK Torque Turn System you can monitor, record and control tubular connections make-up easily, accurately and reliably. Specially designed to work with our XQ/ZQ/TQ Series Power Tong, it allows the user to easily specify working parameters, control the make-up process to ensure optimal torque, record every joint and evaluate results for each connection. MOT also offers universal type and customized Torque Turn Systems.

MODEL: SÓLO NK BASE MODEL



SYSTEM COMPONENTS:	
PORTABLE COMPUTER	LAPTOP
POWER CONVERTER	NK-2A/485
TORQUE DISPLAY	NK-OLED
TORQUE SENSOR	NK - 15T
CROSS JOYSTICK	NK - 4X - Y
UPLOADING VALVE	NK- 14 -160
COMMUNICATION CABLE	NKTD -P25/5P





MODEL: SÓLO NK
WIRELESS OPTION



WIRELESS OPTION



LOAD CELL

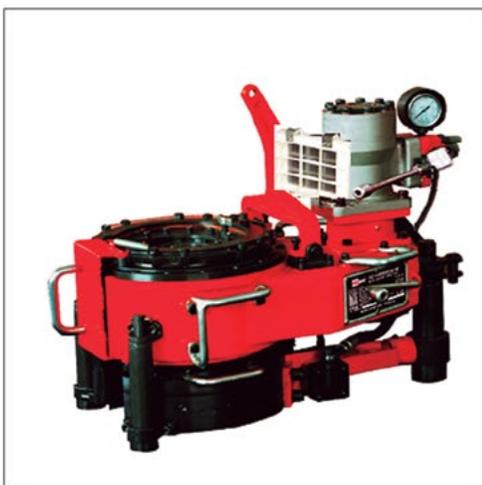


TURN COUNTER

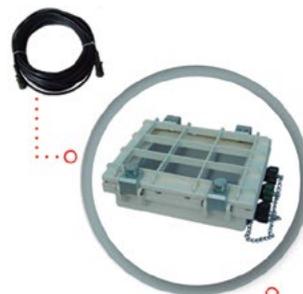
UNLOADING VALVE



MODEL: SÓLO NK
EXPLOSION PROOF DISPLAY



LOAD CELL



TORQUE DISPLAY
EXPLOSION PROOF

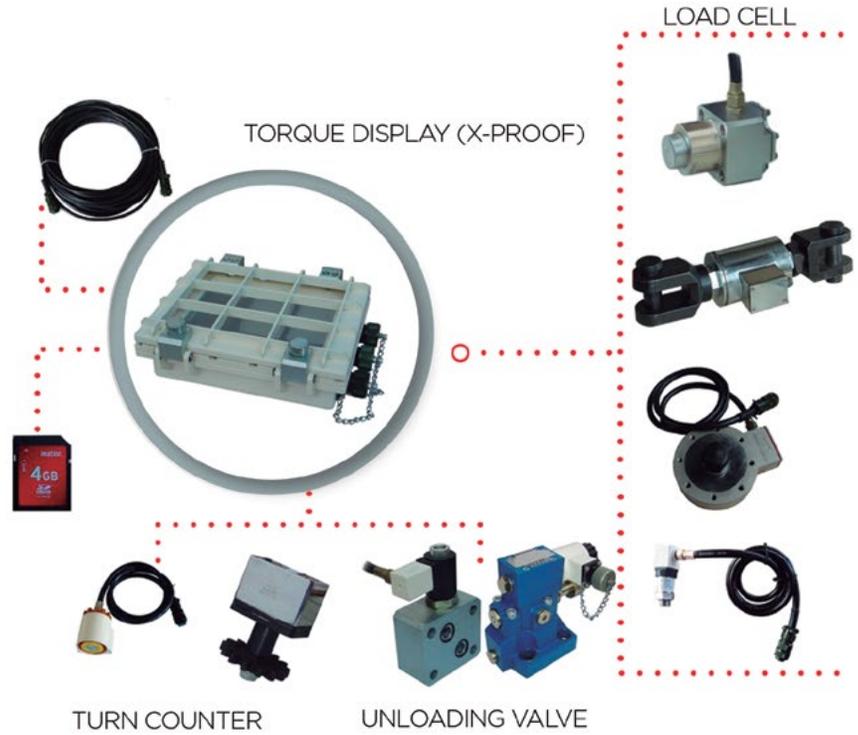


ALARM

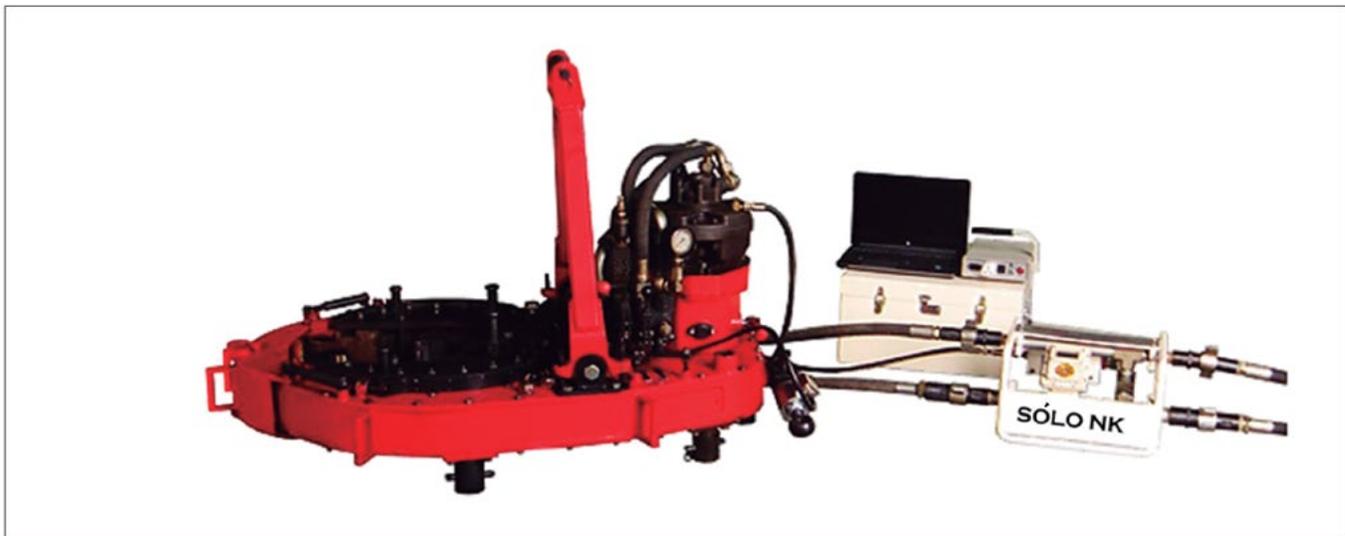




MODEL: SÓLO NK
TENSION LOAD CELL



MODEL: SÓLO NK
UNIVERSAL TYPE



TORQUE TURN SYSTEM (UNIVERSAL TYPE)



MANUAL TONGS are tools used in the makeup and breakout of tubular goods such as production tubing, drill pipe, drill collars and casing.

MOT offers BJ STYLE manual tongs that cover all pipe sizes up to 36" and torque ratings of up to 100,000 Ft-Lb. Each tong features a heavy duty design, with heat treated hinge pins and long lasting tong dies. They are designed and manufactured to API 7 K specifications.



TYPE LF (16,000 FT/ Lbs Torque)

Type LF Tongs are best suited for water well drilling, seismographic, mining and geothermal rigs. Sizes range from 2 3/8" through 7 1/4" OD. Additional hinge jaws are available to increase the size to 8 5/8" OD.

TYPE LF				
MODEL	LUG JAW No.	LUG JAW SIZE	TORQUE	
		In	kNm	Ft/Lbs
LF	No.1	2 3/8" - 3 1/2"	22	16,000
	No.2	3 1/2" - 5"		
	No.3	4 3/4" - 6 1/4"		
	No.4	5 3/4" - 7"		



TYPE C (35,000 FT/ Lbs Torque)

Type C Tongs are perfect for drill pipe or casing ranging from 2 3/8" to 10 3/4" OD and are most commonly found on smaller drilling rigs.

TYPE C				
LUG JAW No.	SHORT JAW No.	HINGER JAW No.	APPLICABLE PIPE DIAMETER	RATED TORQUE (Ft/Lbs)
			In	
No.1	No.1	/	2 3/8" - 3.668"	35,500
No.2	No.1	/	2 7/8" - 4 1/4"	
No.3	No.1	/	3 1/2" - 5 1/4"	
No.4	No.1	/	5 1/2" - 7"	
No.5	No.2	No.1	7" - 8 5/8"	
No.6	No.2	No.2	9 5/8" - 10 3/4"	



TYPE B (55,000 FT/Lbs Torque)

Type B Tong is the most popular size, accommodating pipe or casing from 3 1/2" through 13 3/8" OD.

TYPE B				
MODEL	LUG JAW No.	LUG JAW SIZE	TORQUE	
		In	kNm	Ft/Lbs
B	1	3 1/2" - 5"	75	55,000
	2	4 1/4" - 6 3/4"		
	3	6 5/8" - 9"		
	4	9" - 10 3/4"	55	40,000
	5	11 3/4"		
	6	12 3/4" - 13"	40	30,000
	7	13 3/8"		



TYPE DB (65,000 FT/ Lbs Torque)

A small step up from Type B, Type DB Tongs slightly increase the torque capacity and can handle 3" more (17" OD Max). Type DB and Type SDD are commonly found on larger drilling rigs.

TYPE DB				
MODEL	LUG JAW No.	LUG JAW SIZE	TORQUE	
		In	kNm	Ft/Lbs
DB	No.1	3 1/2" - 8 1/4"	90	65,000
	No.2	8" - 11 1/4"		
	No.3	11 3/4" - 14 3/8"	55	40,000
	No.4	16" - 17"		



TYPE SDD (100,000 FT/ Lbs Torque)

With the Type SDD Tongs, the OD capacity is similar to the Type DB, but the Torque Capacity is almost doubled.

TYPE SDD				
MODEL	LUG JAW No.	LUG JAW SIZE	TORQUE	
		In	kNm	Ft/Lbs
SDD	No.1	4" - 8 1/2"	135	100,000
	No.2	8 1/2" - 12"		
	No.3	12" - 15"	100	75,000
	No.4	15" - 3 3/4"	135	100,000
	No.5	16" - 17"	80	60,000



MODEL : "TA" CENTER LATCH



TA Center Latch Elevators, are used for handling collar type tubing.

Manufactured and Certified per API 8C Specifications (API Monogram Stamped).

When ordering, please specify:

- ✓ OD of tubular (Pipe)
- ✓ Type of tubular (drill pipe; casing; tubing)
- ✓ Plain or upset
- ✓ Ton Load Requirement (35; 65; 100; 150)

MODEL: "TA" CENTER LATCH				
PIPE	TUBING (UPSET / NON UPSET)			
MODEL	TA	TA	TA	TA
MAX LOAD (Tons)	35	65	100	150
API RANGE	1.050	1.66	-	-
	1.315	1.900	2-3/8	2-3/8
	1.660	2-3/8	2-7/8	2-7/8
	1.900	2-7/8	3-1/2	3-1/2
	2-3/8	3-1/2	4	4
	2-7/8	-	4-1/2	4-1/2
	-	-	-	5-1/2" to 8-5/8



Type **MYT** is a light-weight (195 Lb) elevator for medium wells. It handles all tubing within its range with one set of slips, plus reducing inserts. The MYT has four curved slips that form a circle around the tubing. This assures a uniform grip with minimum marking of pipe.

TYPE MYT SLIP TUBING ELEVATOR MODEL: MYT- 40 Ton



SPECIFICATIONS: TYPE MYT CENTER LATCH SLIP TUBING ELEVATOR					
PART NAME	RANGE	PART NO.	WELDLESS LINKS	RATED CAPACITY	WEIGHT DRESSED (APPROX.)
TYPE MYT	1.315" - 2-7/8"	29328	1-1/4" - 2-3/4"	40 TON	195 LBS
SIZE	SLIP ASSEMBLY	INSERT	INSERT QTY	SETTING RING	
2-7/8" X 1" (1.315")	29343-7	29259	8	29354	
2-7/8" X 1-1/4" (1.660")	29343-6	29258	8	29353	
2-7/8" X 1-1/2" (1.900")	29343-5	29257	8	29352	
2-7/8" X 2.000"	29343-4	29256	8	29351	
2-7/8" X 2-1/16"	29343-3	29256	8	29350	
2-7/8" X 2-3/8"	29343-2	29255	8	29345	
2-7/8" X 2-7/8"	29343-1	24773	8	29348	

The **YT** is an outstanding combination tool for use with any of the power tubing spiders. It has four slips each contacting 9 inches of pipe length. The interlocking slips form a circle around the tubing, assuring a uniform grip. Slip inserts are easily replaceable. Only one set of slip body is required to handle all tubing sizes from 1.315 through 2-7/8". A sturdy latch and safety latch-lock combination holds the YT securely in closed position.

TYPE YT SLIP TUBING ELEVATOR MODEL: YT - 75 TON



SPECIFICATIONS: TYPE YT CENTER LATCH SLIP TUBING ELEVATOR					
PART NAME	RANGE	PART NO.	WELDLESS LINKS	RATED CAPACITY	WEIGHT DRESSED (APPROX.)
TYPE YT	1.315" - 3-1/2"	23105-3	2-1/4" - 2-3/4"	75 TON	450 LBS
SIZE	SLIP ASSEMBLY	INSERT	INSERT QTY	SETTING RING	
2-7/8" X 1" (1.315")	23108-11	29259	12	29001	
2-7/8" X 1-1/4" (1.660")	23108-10	29258	12	27810	
2-7/8" X 1-1/2" (1.900")	23108-9	29257	12	27811	
2-7/8" X 2"	23108-8	29256	12	27821	
2-7/8" X 2-1/16"	23108-7	29256	12	27812	
2-7/8" X 2-3/8"	23108-6	29255	12	27694	
2-7/8" X 2-7/8"	23108-4	24773	12	27695	
3-1/2" X 2-7/8"	23108-3	30358	12	27695	
3-1/2" X 3-1/2"	23108-5	24774	12	27813	



The **HYT** is designed to accommodate the widest possible range of tubing. The key is the various combinations possible with three different slip-setting rings, reducing inserts and two sizes of slips. The HYT handles 2-3/8", 2-7/8" or 3-1/2" OD tubing, with any type of upset and any wall thickness.

**TYPE HYT SLIP
TUBING ELEVATOR**
MODEL: HYT - 150 Ton



SPECIFICATIONS: TYPE HYT CENTER LATCH SLIP TUBING ELEVATOR					
PART NAME:	RANGE	PART NO.	WELDLESS LINKS	RATED CAPACITY	WEIGHT DRESSED (APPROX.)
TYPE HYT	2-3/8" - 3-1/2"	39284	2-1/4" - 3-1/2"	150 TON	900 LBS
SIZE	SLIP ASSEMBLY	INSERT	INSERT QTY	SETTING RING	
2-7/8" X 2-3/8"	39259-4	29255	16	39214-1	
2-7/8" X 2-7/8"	39259-2	24773	16	39214-2	
3-1/2" X 2-7/8"	39258-4	30358	32	39214-2	
3-1/2" X 3-1/2"	39258-2	24774	32	39214-3	

The **HYC** elevator is the newest in the series of Type "Y" series elevators. It provides 200 Ton capacity and can handle from 3-1/2" to 7-3/4" tubing or casing. The full range can be achieved with the use of three sets of slips. All slips provide a full 10-1/2" of insert contact to firmly grip your casing or tubing. The HYC elevator as with all Type 'Y' series elevators operate with the latch-lock combination for safety. When your 250 ton elevator/spiders are more than you need, and your 75 ton slip type elevator is not enough, remember the 200 ton HYC elevator.

**TYPE HYC SLIP
CASING TUBING ELEVATOR**
MODEL: HYC- 200 TON



SPECIFICATIONS: TYPE HYC CASING - TUBING ELEVATOR					
PART NAME:	RANGE	PART NO.	WELDLESS LINKS	RATED CAPACITY	WEIGHT DRESSED (APPROX.)
TYPE HYC	3-1/2" - 7-3/4"	55310	2-1/4" - 3-1/2"	200 TON	1200LBS
SIZE	SLIP ASSEMBLY	INSERT	INSERT QTY	SETTING RING	GUIDE PLATE
4-1/2" X 3-1/2"	55509	24779	24	55516	26827-1
4-1/2" X 4"	55510	24781	24	55517	26827
4-1/2" X 4-1/2"	55511	16408	24	55518	24071-4
5-1/2" X 5"	55512	24783	36	55519	24071
5-1/2" X 5-1/2"	55513	16407	36	55520	24701H
7" X 6-5/8"	55514	24748	48	55521	24701-3
7" X 7"	55515	16407	48	55522	24701-2
7-5/8" X 7-5/8"	70009	16407	48	70012	24701-6
7-5/8" X 7-3/4"	70015	32477	48	70014	24701-6



Purpose: Single-joint , center-latch elevator designed to replace unsafe rope slings for hoisting collar-type pipe into position to be added to the string. The Type SJ enables the crew to handle pipe properly, help avoid damaged pipe threads and reduce the chances of accident or injury.

Size Range: All API sizes of collar-type drill pipe, casing and tubing from 2-3/8" (60.33mm) through 24-1/2" (622.3mm).



ELEVATOR COMPLETE LESS SWIVEL SUSPENSION ASSEMBLY

API SIZE		FRAME No.	WEIGHT Ea.	
In	mm		lb	Kg
2 3/8" - 3 1/2"	60.33 - 88.9	33010		
4" - 5 1/2"	101.6 - 139.7	33039	51	23.13
6 5/8" - 7 5/8"	168.28 - 193.68	33040	69	31.30
8 5/8" - 10 3/4"	219.08 - 273.05	33041	98	44.45
11 3/4" - 13 3/8"	298.45 - 339.73	33042	130	58.97
16" - 20"	406.4 - 508	33043	213	96.62
21 1/2" - 24 1/2"	546.1 - 622.3	33044	283	128.37

REPLACEMENT PARTS - TYPE SJ ELEVATOR

N° REQ.	PART. NAME	PART N°	DIMENSIONS		WEIGHT Ea.	
			In	mm	lb - Oz	Kg
1	HINGE PIN (4" - 13 3/8" / 101.6 mm - 339.73 mm)	33032	1 X 4	25.4 X 101.6	0 - 15	0.43
1	HINGE PIN (16" - 24 1/2" / 406.4 mm - 622.3 mm)	33033	13/16" X 4	3016 X 101.6	1 - 4	0.57
1	LATCH	33026			1 - 12	0.79
1	LATCH SPRING	7829-1			0 - 1	0.03
1	LATCH PIN	33035		15.88 X 103.19	0 - 6	0.17
1	LATCH RETAINING PIN ASSY	34439	5/8" X 4 1/16"		1 - 0	0.45
1	SWIVEL SUSPENSION ASSY COMPLETE (OPT)	34568			25 - 0	11.34



MODEL: "C" - 83 Ton



MODEL: "CHD" - 125 Ton



MOT Tubing Spiders are pneumatic or hydraulic spiders with slips that handle tubing sizes from 1.315" to 5-1/2".

These slips are operated by a remote foot valve connected to the slip by a set of hoses, eliminating the need for lifting and setting the slips manually while tripping the string.

They are available in 83 Ton and 125 Ton versions. MOT's style tubing spiders operate using full circle wrap around inserts to prevent damage to the tubing. Construction is of high quality alloy steel that provides durability.

TUBING SPIDERS		
MODEL	TYPE C (83 TON)	TYPE CHD (125TON)
CAPACITY Lbs / (Kg)	165,000 (74,850)	250,000 (113,400)
WEIGHT w/ Slips Lbs / (Kg)	430 (195)	480 (218)
HEIGHT	16 1/2"	16 1/2"
BASE DIMENSION	16 1/2" X 18 1/2"	16 1/2" X 18 1/2"
GATE OPENING	5 3/4"	5 3/4"
BOWL OPENING	6 1/2" DIAMETER	6 1/2" DIAMETER
TUBULAR RANGE	1.315 - 5 1/2"	1.315 - 5 1/2"
SPIDER ASSEMBLY (LESS SLIPS)		
PNEUMATIC	65000-100	650000HD-100
HYDRAULIC	65000H-100	650000HDH-100
HYDRAULIC / INVERTED / SNUBBING	N/A	65000HDHSI-100
SLIP BODY, 3-1/2", SIDE LOAD	65622-100	
SLIP BODY, 3-1/2", TOP LOAD	65622TL-100	
SLIP BODY, 4-1/2", SIDE LOAD	65623-100	
INTEGRAL SLIPS BODY		
4-3/4" (120.7 mm) TUBING	65624-4.75	55 Lb (25 Kg)
5" (127.0 mm) TUBING	65624-1	50 LB (22.7 Kg)
5-1/2" (139.7 mm) TUBING	65624-2	45 Lb (20.4 Kg)



SDS, SDML, and SDXL Rotary Slips are for use in API standard insert bowls. Featuring better contact and distribution of load on drill pipe thru a superior wraparound configuration and unique insert design, these slips prevent bottlenecking and gouging damage. The buttress design of the body segments provides great strength while minimizing weight for ease of handling.

Varco style rotary slips provide long and trouble-free service under the most severe conditions. Inserts are held securely in dovetail slots. Inserts are changed by removing the nuts, bolts, and retainers at the top of the slots.



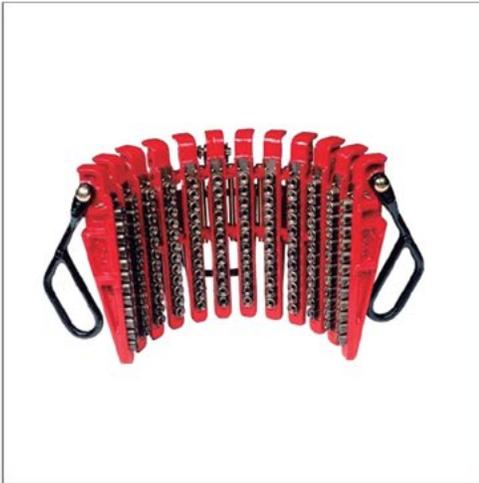
SDS- Short Rotary Slips & SDS Inserts							
Slip Body Size (in.)		3-1/2			4-1/2		
Pipe Sizes (in.)		2-3/8	2-7/8	3-1/2	3-1/2	4	4-1/2
P/N: Slip W/inserts		3901	3903	3905	3907	3909	3911
Wt: Slip W/Insert lbs (kg)		134 (61)	128 (58)	124 (56)	162 (73)	155 (70)	146 (66)
Insert Set	P/N	2160-24	2161-24	2162-24	2163-36	2164-36	2165-36
	Wt-lbs (kg) Qty	21 (9.5) 24	16 (7) 24	10 (4.5) 24	32 (14.5) 36	25 (11) 36	16 (7) 36

SDML- Medium Rotary Slips & SDML Inserts													
Slip Body Size (in.)		3-1/2			4-1/2			5			5-1/2		
Pipe Sizes (in.)		2-3/8	2-7/8	3-1/2	3-1/2	4	4-1/2	4	4-1/2	5	4-1/2	5	5-1/2
P/N: Slip W/inserts		15524	15523	15522	15563	15564	15565	15567	15568	15569	15571	15572	15573
Wt: Slip W/Insert lbs (kg)		193 (87.5)	188 (85)	180 (81.5)	207 (94)	199 (90)	188 (85)	204 (92.5)	196 (89)	185 (84)	200 (91)	192 (87)	181 (82)
Insert Set	P/N	2160-30	2161-30	2162-30	2163-45	2164-45	2165-45	2168-45	2166-45	2167-45	2168-45	2169-45	2170-45
	Wt-lbs (kg) Qty	26 (12) 30	21 (9.5) 30	13 (6) 30	39 (17.5) 45	31 (14) 45	20 (9) 45	39 (17.5) 45	31 (14) 45	20 (9) 45	39 (17.5) 45	31 (14) 45	20 (9) 45

SDXL- Extra Long Rotary Slips & SDXL Inserts										
Slip Body Size (in.)		4-1/2			5			5-1/2		
Pipe Sizes (in.)		3-1/2	4	4-1/2	4	4-1/2	5	4-1/2	5	5-1/2
P/N: Slip W/inserts		15515	15514	15513	15518	15517	15516	15521	15520	15519
Wt: Slip W/Insert lbs (kg)		229 (104)	219 (99)	205 (93)	237 (107.5)	227 (103)	213 (96.5)	234 (106)	224 (101.5)	210 (95)
Insert Set	P/N	2163-54	2164-54	2165-54	2168-54	2166-54	2167-54	2168-54	2169-54	2170-54
	Wt-lbs (kg) Qty	47 (21) 54	37 (17) 54	23 (10.5) 54	47 (21) 54	37 (17) 54	23 (10.5) 54	47 (21) 54	37 (17) 54	23 (10.5) 54



CASING SLIPS "CMS-XL / CP-S"



CMS-XL - Extra-Long Multi-Segment Casing Slips

Today's deeper drilling calls for long and heavy casing strings. Varco has slips to handle any casing job.

MOT CMS-XL slips are manufactured from drop forgings, reinforced to take severe service. The self centering full wraparound grip prevents damage to casing. With certain simple adjustments, the CMS-XL can accommodate casing from 6-5/8 to 30 inches OD. All Varco slips have an API taper of 4 in./ft on the diameter.

Casing OD (in.)	6-5/8	7	7-5/8	8-5/8	9-5/8*	10-3/4*	11-3/4*	13-3/8*	16*	18-5/8*	20*	24*	26*	30*
P/N Slip complete	5315	5301	5303	5305	5307	5309	5311	5313	5325	5333	5329	5331	5346	5342
Weight, complete														
lbs	154	160	166	181	192	209	260	247	308	367	383	443	486	546
(kg)	(70.0)	(73)	(75)	(82)	(87)	(95)	(118)	(112)	(140)	(166.5)	(174)	(201)	(220.5)	(247.5)
Total Segments	12	12	12	13	14	15	17	18	21	25	26	30	33	37
Total Hinge Pins	11	11	11	12	13	14	16	17	20	24	25	29	32	36

*This size is furnished with four handles

CMS-XL Part List		
DESCRIPTION	PART. N°	WEIGHT lbs (kg)
Segment—Right End	5320	12 (5.5)
Segment —Left End	5321	12 (5.5)
Segment—Intermediate	5322	12 (5.5)
Hinge Pin with Cotter Pin	2525	.6 (0.3)
Handle Pin w/Wshr & Cotter Pin	3769	.5 (0.2)
Handle, Right & Left Segment	3765	3.5 (1.5)
Handle, Intermediate Segment	3766	4(2)
Retaining Screw w/Lockwasher	3748	.3 (0.14)
Retaining Cotter Pin	71936	—



CP-S Conductor Pipe Slip			
Pipe OD (In.)	24	26	30
P/N Slip complete	5338	5344	5340
Weight Complete			
lbs (kg)	276 (125)	296 (134)	319 (145)
Total Segments	13	14	16
Total Hinge Spacers	12	13	15

All CP-S slips are furnished with four handles. All parts except Hinge Spacer Block, P/N: 11944, are interchangeable with CMS-XL Slips.

Circular Buttons for CMS-XL & CP-S

Slip Set	Casing OD (In.)	Circular Buttons		
		Part No	Weight Lbs (kg)	Qty
CMS-XL	6-5/8	2628-144	36 (16)	144
	7	2619-144	36 (16)	144
	7-5/8	2630-144	24(11)	144
	8-5/8	2630-156	26 (12)	156
	9-5/8	2630-168	28 (13)	168
	10-3/4	2630-180	30 (14)	180
	11-3/4	2627-204	51 (23)	204
	13-3/8	2630-216	36 (16)	216
	16	2631-252	43 (19.5)	252
	18-5/8	2626-300	60 (27)	300
	20	2631-312	52 (23.3)	312
	24	2631-360	60 (27)	360
	26	2631-396	64 (29)	396
	30	2631-444	72 (32.5)	444
	CPS	24	2631-156	26 (12)
26		2631-168	28 (13)	168
30		2631-192	32 (14.5)	192



DCS Drill Collar Slips

MOT drill collar slips provide superior holding power. Each slip segment is a rugged drop forging, with an extra long back to provide maximum support to the circular button gripping elements. Full wraparound design and circular buttons assure positive holding and slip setting. Drill collar slips are flat on top to accommodate the MP Clamp. All Varco slips have an API taper of 4 in./ft on the diameter.

DCS- Multi Segment Drill Collar Slips										
Slip Type	DCS-S		DCS-R		DCS-L					
Drill Collar OD (in.)	3 - 4	4 - 4-7/8	4-1/2 - 6	5-1/2 - 7	6-3/4 - 8-1/4	8 - 9-1/2	8-1/2 - 10	9-1/4 - 11-1/4*	11 - 12-3/4*	12 - 14*
P/N, Slip complete	2572	2573	2552	2550	2503	2507	2530	2508	2534	2636
Weight, complete lbs (kg)	112 (51)	103 (47)	120 (54)	112 (51)	154 (70)	173 (78)	185 (84)	198 (90)	213 (96.5)	207 (94)
Total Segments	7	7	9	9	11	12	13	14	17	17
Total Hinge Pins	6	6	8	8	10	11	12	13	16	16
Use in Insert Bowl	No. 3 Regular or Extended					No.3 Ext.	No. 2		No. 1	

***This size is furnished with four handles**

Circular Buttons for DCS Slips				
Circular Buttons				
Slip Set	Drill Collar OD (in.)	P/N	Weight lbs (kg)	Qty
DCS-S	3-4	2628 - 49	13 (6)	49
	4 - 4-7/8	2620 - 49	8 (3.5)	49
DCS-R	4-1/2 - 6	2628 - 63	16 (7)	63
	5-1/2 - 7	2620 - 63	11 (5)	63
DCS-L	5-1/2 - 7	2513 - 88	22 (10)	88
	6-3/4 - 8-1/4	2630 - 88	15 (7)	88
	8 - 9-1/2	2630 - 96	16 (7)	96
	8-1/2 - 10	2627 - 104	26 (12)	104
	9-1/4 - 11-1/4	2630 - 112	19 (8.5)	112
	11 - 12-3/4	2625 - 136	13(6)	136
	12 - 14	2630 - 136	16(7)	136

Part List						
Slip Type	DCS-S		DCS-R		DCS-L	
Description	P/N	Weight lbs (kg)	P/N	Weight lbs (kg)	P/N	Weight lbs (kg)
Segment—Right End	2568	11 (5)	2554	10 (4.5)	2510	12 (5.5)
Segment—Left End	2569	11 (5)	2555	10 (4.5)	2511	12 (5.5)
Segment —Intermediate	2570	11 (5)	2556	10 (4.5)	2512	12(5.5)
Hinge Pin w/Cotter Pin	2525	.5 (0.2)	2525	.5 (0.2)	2520	.7 (0.3)
Handle Pin w/Washer & Cotter Pin	3769	.5 (0.2)	3769	.5 (0.2)	3769	.5 (0.2)
Handle- Right & Left End Segment	3765	3.5 (1.5)	3765	3.5 (1.5)	3765	3.5 (1.5)
Handle for Intermediate Segments	3766	4 (2)	3766	4 (2)	3766	4(2)
Retaining Cotter Pin	71936	—	71936		71936	

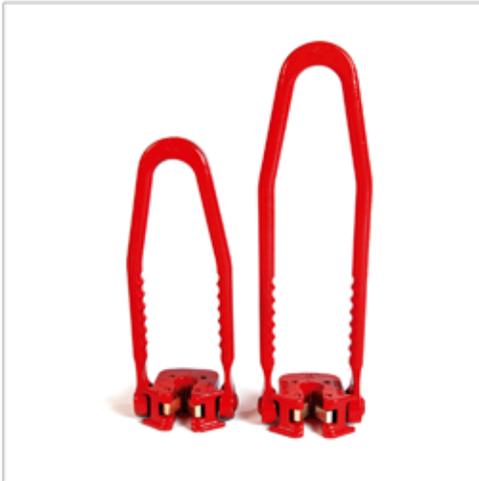


MOT&S Sucker Rod Elevators, are manufactured from heat-treated alloy steel for maximum strength and durability. All of our models are manufactured to the highest standards of quality and under API specifications.

We offer both Solid Body and Plate Type rod elevators. Plate type elevators have the advantage of offering interchangeable heat treated steel plates for different rod sizes that can be replaced when worn to the limit.

- ✓ Size Ranges covered: 5/8" - 1-1/2".
- ✓ Rated capacity: 25 Tons.
- ✓ Types Offered: Solid Body & Plate Type.
- ✓ API Certified & Monoaramed

MODEL "SB" SOLID TYPE



SUCKER ROD ELEVATORS SOLID TYPE, MODEL "SB"

CATALOG. N°	ROD SIZE	WEIGHT	RATE LOAD
SB-104	5/8", 3/4"	32 lbs.	25 tons
SB-105	3/4", 7/8"	32 lbs.	25 tons
SB-106	1"	32 lbs.	25 tons
SB-107	1-1/8"	32 lbs.	25 tons

REPAIR KITS

RKSB104 107	Repair Kit F/Sucker Rod Elevator "SB", 5/8"-1-1/8"
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SUCKER ROD ELEVATORS PLATE TYPE, MODEL "PT"

CATALOG. N°	ROD SIZE	WEIGHT	RATE LOAD
PT-106A	Body Only (5/8" - 1")	32 lbs.	25 tons
PT-106B	Body Only (1-1/8" - 1-1/4")	32 lbs.	25 tons
PT-106C	Body Only (1-1/2")	32 lbs.	25 tons

PLATE INSERT

CATALOG. N°	ROD SIZE	WEIGHT	RATE LOAD
P-65	5/8", 3/4"	8 onz.	n/a
P-76	3/4", 7/8"	8 onz.	n/a
P-80	1"	8 onz.	n/a
P-88	1-1/8"	8 onz.	n/a
P-113	1-1/4"	8 onz.	n/a
P-115	1-1/2"	8 onz.	n/a

REPAIR KITS

RKPT106	Repair Kit F/Sucker Rod Elevator "PT", 5/8" - 1-1/2" (Less Plate Inserts)
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MODEL "PT" PLATE TYPE

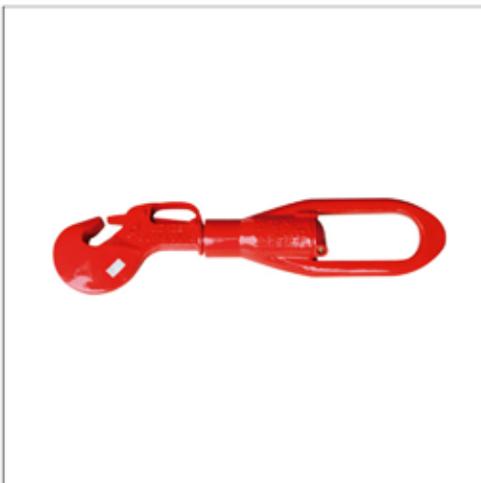




**SUCKER ROD HOOK
MODEL: RH-25S**



**SUCKER ROD HOOK
MODEL: RH-35**



SUCKER ROD HOOKS			
MODEL	RATED CAPACITY (u.s tons)	LENGTH (in./mm)	WEIGHT (lbs./kg)
RH-25S	25	$\frac{20}{494}$	$\frac{48}{22}$
RH-35	35	$\frac{38}{960}$	$\frac{119}{54}$
REPAIR KITS			
RH-25SRK	25 Ton Repair Kit Includes: 1 Spring Housing, 1 Latch, 1 Lever, 1 Lever Pin, 1 Latch Pin, 1 Spring		$\frac{11}{5}$
RH-35SRK	35 Ton Repair Kit (Includes: 1 Latch, 1 Latch Handle, 1 Latch Spring, 2 Roll Pins, 1 Comp. Spring, 1 Clevis Pin)		$\frac{22}{10}$

MOT&S Sucker Rod Hooks

Are designed and manufactured according to API Spec 8A/8C Specifications for Drilling and Well Servicing hoisting equipment. They are suitable for all depths and operating conditions.

FEATURES:

- Designed for 25 Ton and 35 Ton load ratings.
- Choice of Short and Long Models.
- Special design snap-in latch mechanism permits elevator bail to hook in without operator releasing latch, and held secure until released.



SUCKER ROD WRENCH			
CATALOG P/N:	SIZE OF SQUARE	SIZE OF ROD	LENTH
M-QA1-16	7/8"	5/8"	16"
M-QA1-19	7/8"	5/8"	19"
M-QA2-16	1"	3/4", 7/8"	16"
M-QA2-19	1"	3/4", 7/8"	19"
M-QA2-19R	1-1/8"	3/4", 7/8"	19"
M-QA4-19	1-5/16"	1"	19"
M-QA4-24	1-5/16"	1"	24"
M-QA5-19	1-1/2"	1-1/8"	19"
M-QA5-24	1-1/2"	1-1/8"	24"



Sucker Rod Wrenches

Our Sucker Rod Wrenches are made of high-quality alloy steel, which boasts the advantage of hardness and abrasion resistance.

FEATURES:

- Smooth “snap-up” hammer-action to quickly break the toughest sucker rod or rod coupling joint.
- Balanced design that reduces fatigue of users.


TYPE "T"

TYPE "T" Safety Clamps

The **Type "T"** Safety Clamp is designed for small diameter pipe 1-1/8" thru 4-1/2" OD. Each link changes the effective working range approximately 1" in diameter. For sizes larger than 4-1/2" OD, the Type "C" Safety Clamp should be used.

TYPE "C"

**TYPE "C" Safety Clamps
For Drill Strings and Casing**

Designed for larger diameter pipe 3-3/4" thru 15-5/8".

Simple to Use

✓ To help guard against dropping flush-joint or streamlined tools through the table, wrap the Safety Clamp around the pipe, drop in the pin and tighten with the wrench.

✓ A "Slip and Elevator" combination can be rigged up by using a line fastened to the Lifting Clevises and looped through the hook.

TYPE "T" STYLE SAFETY CLAMP

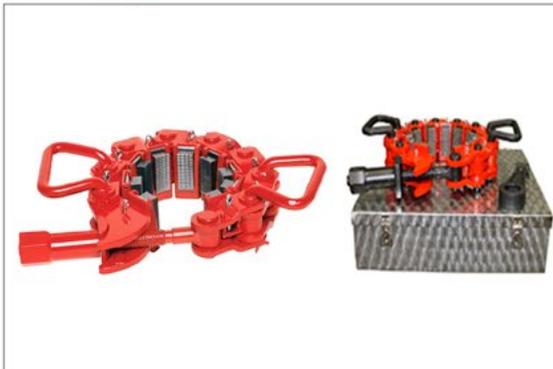
T STYLE SAFETY CLAMP	RANGE
M-7624-5044	1-1/8" - 2"
M-7624-5045	2-1/8" - 3-1/4"
M-7624-5046	3-1/4" - 4-1/2"

TYPE "C" STYLE SAFETY CLAMP

PART NUMBER	RANGE
M-7624-5007	3-3/4" - 4-5/8"
M-7624-5008	4-1/2" - 5-5/8"
M-7624-5009	5-1/2" - 6-5/8"
M-7624-5010	6-1/2" - 7-5/8"
M-7624-5011	7-1/2" - 8-5/8"
M-7624-5012	8-1/2" - 9-5/8"
M-7624-5013	9-1/2" - 10-5/8"
M-7624-5014	10-1/2" - 11-5/8"
M-7624-5015	11-1/2" - 12-5/8"
M-7624-5016	12-1/2" - 13-5/8"
M-7624-5017	13-1/2" - 14-5/8"
M-7624-5018	14-1/2" - 15-5/8"

TYPE "C & T" SAFETY CLAMP PARTS

DESCRIPTION	TYPE C PARTS	TYPE T PARTS
Link Assembly Complete	M-7624-A-7	M-7624-B-7
Intermediate Link	M-7624-A-1	M-7624-A-18
Slip w/ Cotter Pin	M-7624-A-4	M-7624-A-21
Slip Spring	M-7624-E-5	M-7624-B-21
Link Pin w/ Cotter Pin	M-7624-C-5	
End Link (Screw Side)	M-7624-A-3	M-7624-A-20
End Link (Pivot Block Side)	M-7624-A-24	M-7624-A-19
End Link Pin w/ Chain	M-7624-F-5	
Screw	M-7624-A-5	
Nut	M-7624-B-5	
Wrench	M-7624-A-25	
Pivot Block	M-7624-A-5000	
Pivot Block Pin	M-7624-D-5	
Handle	M-7624-A-6	M-7624-A-22
Handle Link Pin w/ Cotter	M-7624-G-5	
Safety Clamp Box	M-7624-A-36	M-7624-A-9


TYPE "MP"


TYPE "MP" Safety Clamps
Multipurpose Safety Clamp

The **Type "MP"** Safety Clamp is designed for production tubing and larger diameter pipe 2-3/8" thru 19-3/8" OD.

The tool you need for safest handling of flush joint pipe and drill collars.

The "MP" Clamp can act as a shoulder elevator, if needed, or fitted with lifting eye to handle large diameter pipe.

This versatile tool can also be inverted and fitted with holddown lugs for use in all types of snubbing operations.

For maximum durability and long life in the field, interchangeable handles, lifting eyes and holddown lugs are forged, heat treated steel.

TYPE "MP" STYLE SAFETY CLAMP		
STYLE	SIZE RANGE	PART NUMBER
MP-S	2-7/8" - 4-1/8"	M-33030
	4" - 5"	M-33031
MP-R	4-1/2" - 5-5/8"	M-33011
	5-1/2" - 7"	M-33012
	6-3/4" - 8-1/4"	M-33013
	8" - 9-1/4"	M-33014
	9-1/4" - 10-1/2"	M-33015
MP-M	10-1/2" - 11-1/2"	M-33016
	11-1/2" - 12-1/2"	M-33017
	12-1/2" - 13-5/8"	M-33018
	13-5/8" - 14-3/4"	M-33019
MP-L	14-3/4" - 15-7/8"	M-33020
	15-7/8" - 17"	M-33021
	17" - 18-1/2"	M-33022
MP-XL	18-1/8" - 19-3/8"	M-33023
	19-3/8" - 20-3/8"	M-33024
	20-3/8" - 21-1/2"	M-33025
	21" - 22-5/8"	M-33032
	22-5/8" - 23-3/4"	M-33033
	23-3/4" - 24-7/8"	M-33034
	24-7/8" - 26"	M-33035
	26" - 27-1/8"	M-33036
	29-3/8" - 30-1/2"	M-33039

TYPE "MP" SAFETY CLAMP PARTS	
PART NUMBER	DESCRIPTION
M-3335	Link Assembly Complete (S Only)
M-3319	Link Assembly Complete (R, M & L)
M-3306	Link w/ Cotter Pin
M-3307	Pin w/ Cotter Pin
M-3325	Die Carrier Assembly (S Only)
M-3324	Die Carrier Assembly (R, M & L)
M-3309	Die Carrier
M-3311	Spring
M-51604-18	Roll Pin
M-51405-28	Cotter Pin
M-3318	Side Link Bar
M-3304	Link Latch (S, R, M & L)
M-3321	Link Latch (XL Only)
M-3308	Screw Pin w/ Cotter Pin
M-3315	Screw Pin Bushing
M-51405-10	Cotter Pin
M-3302	Screw
M-2714	Thrust Washer
M-3303	Makeup Nut
M-3305	Handle
M-3320	Wrench
M-3331	Box



Safety Flex Handles

Flex handles allow safer and much easier handling and operation of manual rotary slips. MOT offers a wide selection of safety flex handles to fit your needs.

MOT Flex Handles fit the slip universally, the same handle is used for right, center and left.

FLEX HANDLES	
CATALOG. N°	SLIP TYPE
3088V	Varco SD, DC and CMSXL Flex Handle
3088WB	Wooley B Flex Handle
3088WA	Wooley A and C-1 Flex Handle
3088UC	UC Flex Handle
3088DU	DU Flex Handle*

*The DU center handle is different. When not ordering a complete set it must be specified whether left, right or center is required.



Drill Collar Slip with Flex Handles



Rotary Slip with Flex Handles



SAFETY CAP ASSEMBLY FOR VARCO® TONGS



CATALOG. N°	DESCRIPTION	WEIGHT (LB)
250369	TONG SAFETY CAP KIT VARCO HT TONGS	2.66





MOT carries dies and inserts that are accurately machined to exact tolerances using state of the art CNC machines. All dies and inserts are then heat treated to provide maximum insert life.

We offer a full range of dies and inserts for our power and manual tongs, safety clamps, spiders and slips.

1-1/4" WIDE MANUAL TONG DIES



MANUAL TONG DIES		
SIZE	TOOTH TYPE	REF #
1/2" X 1-1/4" X 5-7/8"	PYRAMID	16402-2
1/2" X 1-1/4" X 5-7/8"	BLUE DIAMOND	16402-6
1/2" X 1-1/4" X 5"	PYRAMID	16401-2
1/2" X 1-1/4" X 5"	BLUE DIAMOND	16401-6
1/2" X 1-1/4" X 3-7/8"	PYRAMID	24768-2

TEDA STYLE "XQ" POWER TONG DIES



TEDA STYLE		
SIZE	MODEL TONG	REF #
2-3/8" - 2-7/8", (60-78)	XQ114	Z6731
3-1/2" - 4-1/2", (89-141)	XQ114	76732
2-3/8" - 2-7/8", (73-78)	XQ140	12AZ1101
3-1/2" - 4-1/2", (89-114)	XQ140	12AZ1102
5" - 5-1/2", (121-156)	XQ140	12AZ1103



**INSERTS FOR SDS / SDML / SDXL
ROTARY SLIPS**



Even load distribution and insert contact are the qualities necessary for rotary and casing slip inserts. MOT offers high quality replacements for worn or damaged gripping dies.

MOT inserts are designed to fall midway between high and low ratio in pounds per linear inch of contact. The rotary slip insert gripping dies have a 0.01 inch flat on top of each tooth. This flat area willpeen, rather than cut, the metal of the pipe, reducing the occurrence of potential stress risers.

Number of Inserts Required

#REF	DESCRIPTION	SLIP SIZE IN INCHES	PIPE SIZE IN INCHES (OD)	SDS	SDML AND SDM	SDXL	SDL	
2160	Reducer	3½	2¾	24	30		36	0.87
2161	Reducer	3½	2¾	24	30		36	0.64
2162	Basic	3½	3½	24	30		36	0.42
2163	Reducer	4½	3½	36	45	54	54	0.81
2164	Reducer	4½	4	36	45	54	54	0.61
2165	Basic	4½	4½	36	45	54	54	0.42
2168	Reducer	5	4		45	54	54	0.81
2166	Reducer	5	4½		45	54	54	0.63
2167	Basic	5	5		45	54	54	0.42
2168	Reducer	5½	4½		45	54	54	0.81
2169	Reducer	5½	5		45	54	54	0.61
2170	Basic	5½	5½		45	54	54	0.42
2172	Reducer	7	6¾			60	60	0.61
2173	Basic	7	7			60	60	0.42


**CAVINS STYLE
FULL CIRCLE INSERTS**

**SAFETY CLAMP
REPLACEMENT DIES**

CAVINS STYLE

SIZE / DESCRIPTION	PART
REPLACEMENT INSERTS FOR MODEL "B", "C" AND "CHD" TUBING SPIDER (3-1/2" BODY)	REF #
SLIP INSERT SET (4 PC) FOR 3-1/2" X 1" (1.315")	65252-1.315
SLIP INSERT SET (4 PC) FOR 3-1/2" X 1-1/4" (1.660")	65652-1.660
SLIP INSERT SET (4 PC) FOR 3-1/2" X 1-1/2" (1.900")	65652-1.900
SLIP INSERT SET (4 PC) FOR 3-1/2" X 2-1/16"	65652-2.060
SLIP INSERT SET (4 PC) FOR 3-1/2" X 2-3/8"	65652-1
SLIP INSERT SET (4 PC) FOR 3-1/2" X 2-7/8"	65652-2
SLIP INSERT SET (4 PC) FOR 3-1/2" X 3-1/2"	65652-3
REPLACEMENT INSERTS FOR MODEL "C" AND "CHD" TUBING SPIDER (4-1/2" BODY)	
SLIP INSERT SET (4 PC) FOR 4-1/2" X 3-1/2"	65653-1
SLIP INSERT SET (4 PC) FOR 4-1/2" X 4"	65653-2
SLIP INSERT SET (4 PC) FOR 4-1/2" X 4-1/2"	65653-3
REPLACEMENT TOP LOAD INSERTS FOR MODEL "C" AND "CHD" TUBING SPIDER (4-1/2" BODY)	
TOP LOAD INSERT SET (4 PC) FOR 3-1/2" X 2-3/8"	65652-1TL
TOP LOAD INSERT SET (4 PC) FOR 3-1/2" X 2-7/8"	65652-2TL
TOP LOAD INSERT SET (4 PC) FOR 3-1/2" X 3 1/2"	65652-3TL

SAFETY CLAMP

PIPE DIAMETER	CLAMP MODEL	# REQUIRED	REF #
1-1/8" - 4-1/2"	TYPE "T"	4 UP TO 6	7624-A-21
3-3/4" - 21"	TYPE "C"	7 UP TO 22	7624-A-4
2-7/8" - 5"	TYPE "MP-S"	8 UP TO 9	3333
4-1/2" - 30-1/2"	TYPE "MP-R", "M", "L", "XL"	8 UP TO 27	3310



We are an oilfield products company serving the well service, drilling and completion sectors of the oil and gas industry. With over 25 years of experience, serving both the domestic and international markets, we understand your needs and requirements. Our equipment and tools are manufactured in accordance to API 7K and 8A standards.

MOT products include hydraulic power tongs, bucking units, torque turn systems and pipe handling tools used by drilling, well service and completion companies, as well as tubular service and threading shops, in order to efficiently & effectively carry out their operations.

WARRANTY

Midland Oil Tools & Services, Inc. (MOT) manufactured items are warranted free of material and workmanship defects for a period of six (6) months from the date of delivery. Any item that fails because of a manufacturing defect during that period of time, the item will be replaced by MOT. Expendable / Consumable items, such as but not limited to inserts & dies, friction bands, rollers & gears, are not covered under this warranty. MOT liability is limited to the replacement of the defective parts only and does not include the cost of labor or shipping charges connected to the replacement of these parts. No expressed, implied or statutory guarantee other than herein set forth is made or authorized to be made by MOT.

Your tubular makeup and breakout equipment specialist.

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