

5.8 Manual Tongs

5.8.1 Type DB Manual Tong

Type DB manual tong is used for making up or breaking out different size drill string.

No. of Latch Lug Jaws	Pipe O.D.		Rated Torque kN. m (ft-lbs)
	mm	in	
1#	89 - 210	3-1/2 - 8-1/4	90 (66,380)
2#	203 - 286	8 - 11-1/4	90 (66,380)
3#	298 - 365	11-3/4 - 14-3/8	55 (40,565)
4#	406 - 432	16 - 17	55 (40,565)



5.8.2 Type B Manual Tong

No. of Latch Lug Jaws	Handling Shoulder	Pipe O.D. mm (in)	Rated Torque KN. m (ft-lbs)
5a	1	86 - 105 (3-3/8 - 4-1/8)	55 (40,565)
	2	105 - 133 (4-1/8 - 5-1/4)	75 (55,317)
5b	1	108 - 133 (4-1/4 - 5-1/4)	75 (55,317)
	2	127 - 146 (5 - 5-3/4)	75 (55,317)
	3	152 - 171 (6 - 6-3/4)	75 (55,317)
5b-1	1	133 - 146 (5-1/4 - 5-3/4)	75 (55,317)
	2	152 - 168 (6 - 6-5/6)	75 (55,317)
	3	171 - 203 (6-3/4 - 8)	55 (40,565)
5c	1	168 - 187(6-5/8 - 7-3/8)	75 (55,317)
	2	187 - 203 (7-3/8 - 8)	75 (55,317)
	3	216 - 219 (8-1/2 - 8-5/8)	55 (40,565)
5d	1	216 - 244 (8-1/2 - 9-5/8)	55 (40,565)
	2	270 - 273 (10-5/8 - 10-3/4)	55 (40,565)
5e	1	298 (11-3/4)	55 (40,565)
	2	324 (12-3/4)	55 (40,565)
5e3	1	340 (13-3/8)	55 (40,565)



5.8.3 Type WWB Manual Tong

No. of Latch Lug Jaws	Pipe O.D.		Rated Torque kN. m (ft-lbs)
	mm	in	
1#	60.3 - 95.25	2-3/8 - 3-3/4	48 (35,402)
2#	88.9 - 117.48	3-1/2 - 4-5/8	
3#	114.3 - 146.05	4-1/2 - 5-3/4	
4#	133.35 - 184.15	5-1/4 - 7-1/4	
5#	174.6 - 219.1	6-7/8 - 8-5/8	
6#	228.6 - 273.05	9 - 10-3/4	35 (25,814)



5.8.4 Type C Manual Tong

No. of Latch Lug Jaws	Short Jaw	Hinge Jaw	Pipe O.D.		Rated Torque kN. m (ft-lbs)
			mm	in	
1#	2-3/8" - 7"	-	60 - 93	2-3/8 - 3.668	48 (35,402)
2#		-	73 - 108	2-7/8 - 4-1/4	
3#		-	89 - 133	3-1/2 - 5-1/4	
4#		-	133 - 178	5-1/4 - 7	
5#	7-3/8" - 10-3/4"	7" - 8-5/8"	178 - 219	7 - 8-5/8	
6#		9-5/8" - 10-3/4"	244 - 273	9-5/8 - 10-3/4	



5.8.5 Well Servicing Tong

No. of Latch Lug Jaws	Pipe O.D.		Rated Torque kN. m (ft-lbs)
	mm	in	
1#	60.3 - 114.3	2-3/8 - 4-1/2	35 (25,814)
2#	114.3 - 165.1	4-1/2 - 6-1/2	
3#	165.1 - 219.1	6-1/2 - 8-5/8	
4#	244.5 - 273.1	9-5/8 - 10-3/4	



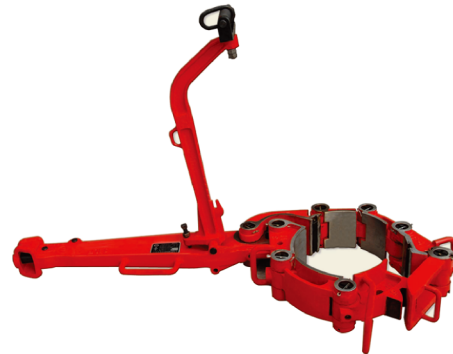
5.8.6 Type LF Manual Tong

No. of Latch Lug Jaws	Handling Shoulder	Pipe O.D.		Rated Torque kN. m (ft-lbs)
		mm	in	
1#	1	60.3 - 73	2-3/8 - 2-7/8	22 (16,226)
	2	73 - 88.9	2-7/8 - 3-1/2	
2#	1	88.9 - 107.9	3-1/2 - 4-1/4	
	2	107.9 - 127	4-1/4 - 5	
3#	1	120.7 - 139.7	4-3/4 - 5-1/2	
	2	139.7 - 158.7	5-1/2 - 6-1/4	
4#	1	146.1 - 161.9	5-3/4 - 6-3/8	
	2	161.9 - 177.8	6-3/8 - 7	



5.8.7 Type 13-3/8" - 30" Casing Tong

Pipe Size		Rated Torque kN. m (ft-lbs)
mm	in	
340 - 368	13-3/8 - 14-1/2	35 (25,814)
368 - 406	14-1/2 - 16	
406 - 445	16 - 17-1/2	
445 - 483	17-1/2 - 19	
483 - 508	19 - 20	
508 - 546	20 - 21-1/2	
546 - 584	21-1/2 - 23	
610 - 648	24 - 25-1/2	
648 - 686	25-1/2 - 27	
686 - 724	27 - 28-1/2	
724 - 762	28-1/2 - 30	



5.8.8 Type 13-3/8" Casing Tong

Type Q340/8 13-3/8" casing tong is capable of making up or breaking out 13-3/8" casing. Rated torque is 8 kN.m (5900 ft-lbs)

