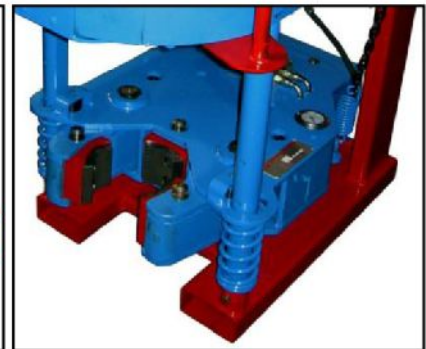


Casing Tong

Power requirements 3000 to 3500 PSI @ 65 GPM, options for lift cylinder, door safety interlock, hydraulic backup, tension or compression torque gauge

Maximum Size (in)	Minimum Size (in)	Maximum Torque (ft-lb)	Maximum Speed (rpm)	Torque Arm (in)	Weight (lbs)	B/U Torque Arm (in)	B/U Wt. (lbs)
5-1/2	2-1/16	15000	100	26	850	24	650
7-5/8	2-3/8	16500	97	28	1050	24	725
9-5/8	3-1/2	22000	83	30	1075	24	690
13-5/8	3-1/2	25000	75	32	1175	24-3/4	925
17	6-5/8	30000	70	36	1800		1225
20	7	35000	57	42	2250		1525
24-1/2	8-5/8	40000	49	48	3550		1900

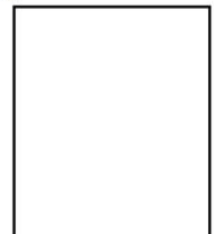


Kelly Spinner

A6C STYLE: Integral oil bath to extend bearing and gear life, pneumatic powered, forward and reverse operation, inline mounting between the swivel and kelly, Power requirements 130 CFM @100 PSI

77 STYLE: Bolts directly to the swivel bottom and uses jaws to grip 7-3/4" tool joints, forward and reverse operation, Power requirements 33 GPM @ 2000 PSI for hydraulic, Power requirements 130 CFM @ 100 PSI for pneumatic

Type	Maximum Torque (ft-lb)	Maximum Speed (rpm)	Weight (lbs)
A6C			
Air	1050	170	750
77			
Hydraulic	1050	78	550
Air	1050	65	550



Drill Pipe Spinner

SPINMASTER: Power requirements 20 GPM @ 2000 PSI for hyd., Power requirements 240 CFM @ 100 PSI for pneumatic

Model	Actuation	OD Size Range (in)	Maximum Torque (ft-lb)	Maximum Speed (rpm)	Weight (lbs)
550A	Air	2-7/8 to 5-1/2	600 to 1250	130 to 70	950
550H	Hydraulic	2-7/8 to 5-1/2	600 to 1050	130 to 70	620
950A	Air	2-7/8 to 9-1/2	600 to 2250	130 to 70	1025
950H	Hydraulic	2-7/8 to 9-1/2	600 to 1950	130 to 70	660

