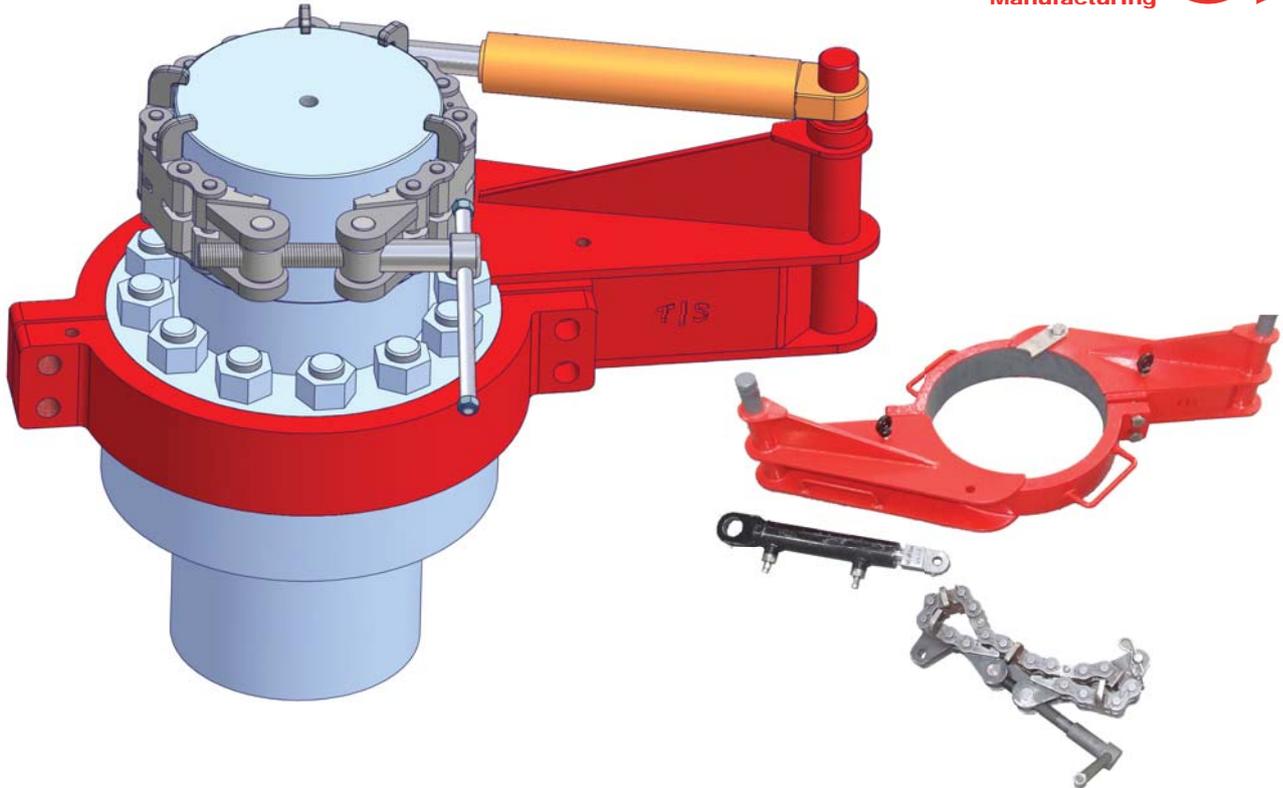


Tree Cap Removal Tool



The TIS Tree Cap Removal Tool is a high quality piece of equipment designed specifically for the removal of difficult Tree Caps. If the Tree Cap has not been removed for any length of time often dirt, grime and corrosion can make it extremely hard to remove, the TIS Tree Cap Removal Tool allows for safe and quick removal with minimal damage to the equipment.

The TIS Tree Cap Removal Tool can be adjusted to fit any cap size by removing or adding links to the chain. The device is operated hydraulically from a hand pump, attached with hydraulic hoses, and quick connect couplings. The device allows the use of one (6,000ft lbs) or two (12,000ft lbs) hydraulic cylinders as may be required. The lower section illustrated above clamps over a 6-3/8" 10K Tree Flange, although other flange clamp adaptors can be provided as required.

ACTUAL TORQUE SUBMITTED TO CAP USING SINGLE THRUST CYINDER

Cap Diameter	8"	9"	10"	11"	12"	13"	14"	15"	16"	
Hydraulic Pressure	1000	1710	1836.67	1963.33	2090	2216.67	2343.33	2470	2596.67	2723.33
	1500	2565	2755	2945	3135	3325	3515	3705	3895	4085
	2000	3420	3673.33	3926.67	4180	4433.33	4686.67	4940	5193.33	5446.67
	2500	4275	4591.67	4908.33	5225	5541.67	5858.33	6175	6491.67	6808.33
	3000	5130	5510	5890	6270	6650	7030	7410	7790	8170

ACTUAL TORQUE SUBMITTED TO CAP USING TWO THRUST CYINDERS

Cap Diameter	8"	9"	10"	11"	12"	13"	14"	15"	16"	
Hydraulic Pressure	1000	3420	3673.33	3926.67	4180	4433.33	4686.67	4940	5193.33	5446.67
	1500	5130	5510	5890	6270	6650	7030	7410	7790	8170
	2000	6840	7346.67	7853.33	8360	8866.67	9373.33	9880	10386.67	10893.33
	2500	8550	9183.33	9816.67	10450	11083.33	11716.67	12350	12983.33	13616.67
	3000	10260	11020	11780	12540	13300	14060	14820	15580	16340

ASSEMBLY NO WT-A-3001