

IR Model	ST-80C Short/Tall	ST-80C² Short/Tall
Weight	7,500 / 7,900 Lbs	7,770 / 8,320 Lbs
Tubular Connection OD Range	4-1/4" to 8-1/2"	4-1/4" to 8-1/2"
Spinner OD Range (DP dia.)	4-1/4" to 8-1/2"	4-1/4" to 8-1/2"
Make Up Torque	60,000 ft-lbs	60,000 ft-lbs
Break Out Torque	80,000 ft-lbs	80,000 ft-lbs
Spin Torque (nominal on 5" DP)	1,750 ft-lbs	1,750 ft-lbs
Spin Speed	135 rpm	135 rpm
Spin Speed (nominal on 5" DP & 35 GPM HPU)	80 rpm	80 rpm
Spin Speed (nominal on 5" DP & 45 GPM HPU)	80 rpm	80 rpm
Spin Speed (nominal on 5" DP & 55 GPM HPU)	N/A	N/A
Vertical Travel (unit)	36" / 72"	36" / 72"
Spin Wrench Vertical Travel	None	None
Connection Height	23" to 59"	23" to 59"
Horizontal Travel (FS center to DP center)	60"	60"
Slew (left/right travel)	+/- 90 Degrees (manual)	+/- 90 Degrees (manual)
Minimum Hydraulic Operating Pressure	2,100 PSI	2,100 PSI
Maximum Hydraulic Input Pressure	3,000 PSI	3,000 PSI
Minimum Hydraulic Flow	28 GPM	28 GPM
Optimum Hydraulic Flow	35 GPM	35 GPM
Maximum Hydraulic Flow	40 GPM	40 GPM
Socket Mount	Yes (Round)	Yes (Round)
Manual/Hydraulic Controls	Manual (Mech/Hydro)	Manual (Hydro/Hydro)
Torque Wrench Angle	30° spectrum	30° spectrum
Shipping Data	Tall	Tall
Height	125"	128"
Width (left to right)	60"	58"
Depth (front to back)	66"	70"
Footprint	Tall	Tall
Retracted	Lowered & Raised	Lowered & Raised
Height	93" / 165"	93" / 164"
Width (left to right)	53"	54"
Depth (front to back)	54" w/o console	55" w/o console
Column Height	131"	131"
Extended		
Height	77" / 113"	76" / 112"
Width (left to right)	53"	54"
Depth (front to back)	101"	103"