

# Make - Up Torque Reference



Make - Up Torque		
Bit Diameter	API Connection	Recommended Torque
3 3/4" to 4 1/2"	2 3/8" API Regular	2400 to 2700 ft-lbs
4 5/8" to 4 7/8"	2 7/8" API Regular	4700 to 5100 ft-lbs
5" to 7 1/4"	3 1/2" API Regular	7700 to 8400 ft-lbs
7 1/2" to 9 1/4"	4 1/2" API Regular	17800 to 19500 ft-lbs
9 1/2" to 14 1/2"	6 5/8" API Regular	38200 to 42000 ft-lbs
14 3/4" to 18 1/2"	7 5/8" API Regular	60900 to 67000 ft-lbs

## BIT MAKE-UP

- 1) Use the correct bit breaker.
- 2) Inspect the bit for potential damage incurred during shipping. Make sure the inside of the bit is clear
- 3) Place the bit breaker into the bushings or breaker holder.
- 4) Place the bit into the breaker.
- 5) Apply thread compound to the bit's API connection. Make -up the bit using the appropriate torque value as in the chart above.