



**Toro
Downhole
Tools**

TECHNICAL BULLETIN

TDT-TB001

SUBJECT: Revised Operational Requirements for Adjustable / Fixed Bend Housings

CHANGE; DESCRIPTION; REASON:

The Drilling Motor Handbook (page 22) lists allowable specifications for drill-string rotation in order to prolong Motor life. In an effort to clarify Toro Downhole Tools recommendation regarding the rotation of the drill-string, the following is being revised:

Original Recommendations:

ABH Angle	Rotation of Drill-String
0 - 1/2 degrees	Allowed (50 RPM or less)
1-1/2 - 2 degrees	Permissible for short periods (40 RM or less)
2 or more degrees	Not Recommended

Revised Recommendations:

ABH Angle	Rotation of Drill-String
0.00 - 0.93 degrees	Allowed (50 RPM or less)
1.22 - 1.76 degrees	Permissible for short periods (40 RM or less)
2.00 or more degrees	Not Recommended

OPERATION / INSTRUCTIONS:

It is recommended that drill-string rotation not exceed these revised specifications.

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Date: 23OCT08

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Revision Date: _____