ENGINEER TO ORDER SPECIAL PROJECT INFORMATION SHEET



Project Description Date created	PTM-72-2000-F-EC based torque & angle kit			
	16 July 2013	Project Number	Q2468	

INTRODUCTION & APPLICATION

Railway industry application where vibration can result in the loosening of torque tightened gear housing to axle bolts on diesel electric locomotives.

SOLUTION

Bolts tightened to torque and then through a specified angle to put the bolts into yield. 2,000 N.m kits supplied comprised the following: -

- New PTM-72-2000-F-EC tool having integral transducer, angle encoder & forward only gearbox
- Special tool controller with TTT instrument, angle display, pass / fail lamps & override reset
- Special torque & angle 10 metre lead (with splitter to suit existing tool controllers)
- Special torque reaction, external solenoid valve, solenoid cable, hose & lubro control unit.



TECHNICAL SPECIFICATION / DATA HIGHLIGHTS

No exposed cables above / forward of the tool handle, suits heavy duty railway use. Kit is customer specific but could be supplied in different configurations e.g. -

- Other tool sizes / torque ratings
- Forward & reverse gearbox version (angle encoder does not identify direction)
- T-Box based tool controller in wall box or Peli-case housing
- Tool internal shut-off valve in lieu of external valve