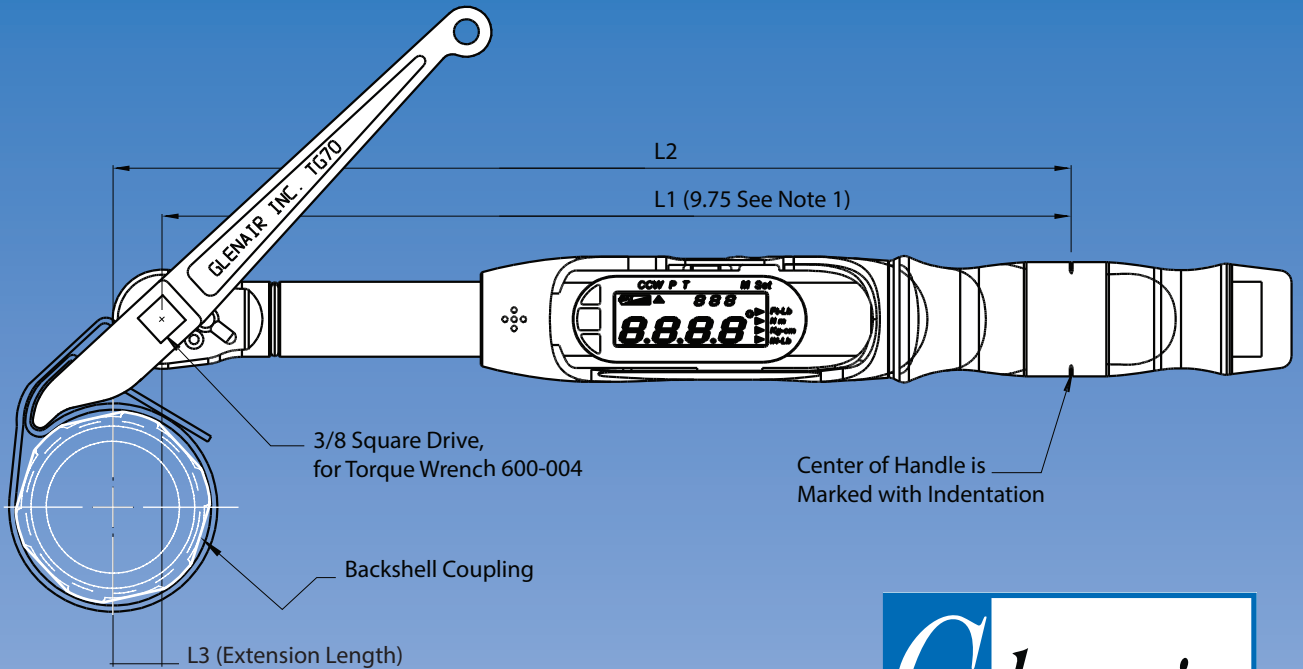


OFFSET TORQUE VALUE FOR EXTENDED LENGTH APPLICATIONS



FORMULA FOR OFFSET TORQUE CALCULATION

$$M1 = M2 \times L1 / L2$$

M1 is the new torque value

M2 is the specified torque to be applied to the nut

L1 is the normal length of the wrench

L2 is the extended length of the wrench
(L2 = L1 + L3)

Proper torque procedures should be followed when using TG-70 strap wrench.

Example:

M2 = 40 IN-LBS, desired torque without extension

L1 = 9.75 Inches, length of torque wrench measured from center of drive to center of handle

L2 = 11.55 Inches, total length of wrench with 1.8 inch extension added.

$40 \times 9.75 / 11.55 = 33.7$, M1 therefore = 33.7; in other words if you want to torque a fastener to 40 IN-LBS using a 9.75 inch torque wrench with a 1.8 inch torque extension you must set the wrench to 33.7 IN-LBS

Notes

1. L1 varies with each different model torque wrench
2. L2 changes with each shell size coupling or connector and angle from wrench drive end.