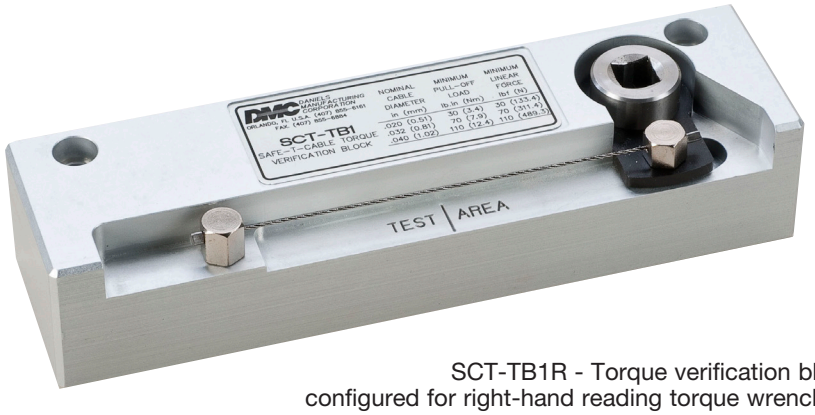
SAFE-T-CABLE®
Verification Equipment

DANIELS MANUFACTURING CORPORATION®

Repeatability and traceability in the management of Safe-T-Cable® tools at all stages of their life cycle requires periodic testing and verification. DMC supplies all the equipment necessary to perform a quick reliable verification of the application tools either on-sight, or in the metrology lab. **Our objective has always been to provide a self-supporting system that does not require that tools be returned to the factory for simple testing and verification.**



SCT-TB1R - Torque verification block configured for right-hand reading torque wrenches.

SCTD0001

SCTD0001 Torque Wrench for .022, .032, and .040 Safe-T-Cable®.

SCTD013

The SCTD013 Push Force Tester is used to apply 2 lbs of force to Safe-T-Cable installations when verifying cable tension on the Torque Verification Blocks (SCT-TB1, SCT-TB1R, and SCT-TB2)

SAFE-T-CABLE® DIAMETER*	MINIMUM PULL-OFF LOAD	TORQUE WRENCH SETTING
.022"	30 lb.	30 in. lb.
.032"	70 lb.	70 in. lb.
.040"	110 lb.	110 in. lb.

*See page 17 for test equipment and information on .062 Safe-T-Cable .

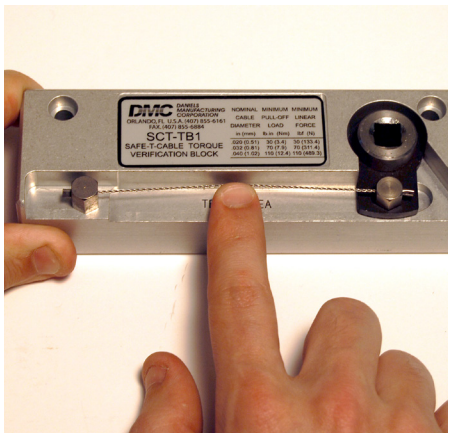
Periodic verification of tool indenter and tensioning mechanism settings is done with the Safe-T-Cable® Torque Verification Block. Indenter setting should be verified periodically and must always be checked if the nose assembly has been removed or changed.

Safe-T-Cable® is installed on the HEX termination points and approximately 2 lb. force is applied to the cable with your finger (or the optional SCTD013) at the line marked “TEST AREA.” If the cable does not touch the side or the bottom surface of the text area, then the cable tension is correct.

If the cable touches either the side or the bottom surface of the text area, remove the cable from the text block. Re-install another cable being careful to set the tool tension properly. If the cable still touches the side or bottom of the test area, then the tension setting of the tool is set too loosely and needs to be adjusted as explained in the tool’s instructions.

Place a calibrated 3/8 inch drive torque wrench (capable of indicating 30 in. lb to 110 in. lb.) into the square drive hole, orienting the Torque Verification Block on a flat surface, and apply specified force.

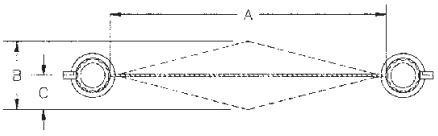
NOTE: Set the torque wrench according to the cable diameter being tested.

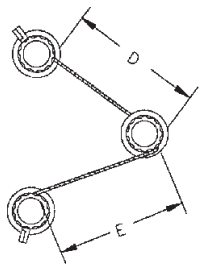


Safe-T-Cable® should remain in place during application of the measured force. If the ferrule pops off the cable, the crimp is unacceptable and the tool indenter should be adjusted. If the ferrule remains attached to the cable, recheck the cable tension as before. If the cable now touches either the side or the bottom surface of the Torque Verification Block, the crimp is unacceptable and the tool indenter should be adjusted.

Refer to Safe-T-Cable® application tool instructions, the Safe-T-Cable Training Manual, or contact DMC for more specific information on Tool Performance Verification.

TABLE 2 - FLEX LIMITS, Inch (mm)		
A	B	C
0.5 (12.7)	0.125 (3.18)	0.062 (1.59)
1.0 (25.4)	0.250 (6.35)	0.125 (3.18)
2.0 (50.8)	0.375 (9.52)	0.188 (4.76)
3.0 (76.2)	0.375 (9.52)	0.188 (4.76)
4.0 (101.6)	0.500 (12.70)	0.250 (6.35)
5.0 (127.0)	0.500 (12.70)	0.250 (6.35)
6.0 (152.4)	0.625 (15.88)	0.312 (7.94)





FOR THREE BOLT PATTERNS
A = D + E

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