

SPECIFICATION

Roadside Safety Devices

Designator: **TFCA01**

Description: **BCT CABLE ANCHOR
ASSEMBLY**

Manitoba 
**Infrastructure and
Transportation**

Traffic Engineering

Threads for the stud shall be manufactured according to ANSI B1.13M M24×3 Class 6g pitch threads. The cable shall be swaged into the fitting. The stud shall conform to ASTM F568 Class 8.8 material and shall be zinc coated according to either AASHTO M232 (ASTM A153) for Class C or AASHTO M298 (ASTM B695) for Class 50. The 10 mm slot for the locking pin shall be milled into the stud end prior to the application of the zinc coating.

The swaged fitting shall be machined from hot rolled carbon steel conforming to ASTM A576, Grade 1035 and zinc coated according to AASHTO M111 (ASTM A123) before swaging. The material shall be annealed suitably for cold swaging. A lock pin hole to accommodate a 6 mm plated spring steel pin shall be drilled through the head of the swaged fitting to retain the stud in the proper position.

The wire rope shall be 19 mm diameter 6×19 wire strand core or independent wire rope core (IWRC), zinc coated, right regular lay wire rope conforming to AASHTO M30. The wire rope steel shall be improved steel with a minimum breaking strength of 190 kN. The swaged fitting, stud and nut shall develop the breaking strength of the wire rope.

Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including its appearance and accepted manufacturing practices. BCT Cable Anchor Assembly may be supplied in the nearest Imperial, or English, units equivalent and corresponding manufacturing specification.

The nuts and washers are to be threaded onto the studs on both ends of the cable.

Effective Date: September 1, 2001

Revised Date: January 31, 2011

