



1994

BCT CABLE ANCHOR ASSEMBLY

FCA01-02

SHEET NO.	REF. NO.
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SPECIFICATIONS

Threads for the stud shall be manufactured according to ANSI B1.13M M24x3 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 6x19 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.

INTENDED USE

Anchor cable FCA01 is used in anchorage assemblies for several W-beam terminals including the trailing-end terminal (SEW02), breakaway cable terminal (SEW03a-b and SEW04a-b), and the modified eccentric loader terminal (SEW05). This cable is used with anchor bracket FPA01, terminal W-beam rail section RWM14a a post bearing plate FPB01, and post sleeve insert FMM02.

Anchor cable FCA02 is used in the SEW09 bullnose median barrier terminal. The cable is used and anchor bracket FPA01, bullnose anchor rail sections RWM13a, post bearing plate FPB01 and post sleeve insert FMM02.

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