



1994

COMPENSATING CABLE END ASSEMBLY

RCE01

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SPECIFICATIONS

Wire rope connecting hardware shall conform to the requirements of AASHTO M 269. The rope, with connecting hardware attached, shall develop the full strength of a single cable (24.7 kips [110 kN]). Cast steel components shall conform to the requirements of AASHTO M 103 (ASTM A 27) Grade 70-40 Class 1.

At all locations where the cable is connected to a cable socket with a wedge-type connection (FMM01), one wire of the wire rope shall be crimped over the base of the wedge to hold it firmly in place.

Compensating devices shall have a spring constant of 5500 lbs/ft [80 kN/m], with the tolerances shown, and permit 6 inches [150 mm] of travel plus or minus 1 inch [25 mm]. Socket baskets shall be designed for use with wedge FMM01.

All threaded parts shall conform to ANSI B1.1 [ANSI B1.13M] for Class 2AG [Class 7g] threads, with $\frac{3}{4}$ -10 [M20x2.5] threads. All parts shall be hot-dip zinc coated according to AASHTO M 232 (ASTM A 153) or AASHTO M 298 (ASTM B 695).

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

This wire rope connecting hardware is used in the SEC01 cable guardrail anchor. The cable (RCM01) is fitted into the end of the compensator using the cable wedge fastener (FMM01) and the threaded end is attached to a RCE03 cable end fitting that is fastened to an anchor cable, anchored to the POF03 anchor assembly.

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