



METRIC
Designation: C 443M – 023

Standard Specification for Joints for Circular Concrete Pipe Sewer and Manholes, Culvert Pipe, Using Rubber Gaskets [Metric]¹

This standard is issued under the fixed designation C 443M; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the Department of Defense.

1. Scope

1.1 This specification covers flexible watertight joints for circular concrete sewer and culvert pipe and precast manhole sections, using rubber gaskets for sealing the joints, where infiltration or exfiltration is a factor in the design. The specification covers the design of joints and the requirements for rubber gaskets to be used therewith, for pipe conforming in all other respects to ~~Specification C 14M, Specification C 76M, C 14M or Specification C 507~~ C 76M, and precast manhole section conforming in all other respects to Specification C 478M, provided that if there is conflict in permissible variations in dimensions the requirements of this specification for joints shall govern.

1.2 This specification is the metric counterpart of Specification C 443.

NOTE 1—This specification covers the design, material, and performance of the rubber gasket joint only. Joints covered by this specification are normally adequate for hydrostatic pressures up to 90 kPa (9 m) without leakage, when tested per Section 10. Infiltration or exfiltration quantities for an installed pipeline are dependent upon many factors other than the joints, and allowable quantities must be covered by other specifications and suitable testing of the installed pipeline and system.

¹ This specification is under the jurisdiction of ASTM Committee C13 on Concrete Pipe and is the direct responsibility of Subcommittee C13.08 on Rubber Gaskets. Current edition approved ~~July 10, 2002; December 1, 2003. Published August 2002; January 2004. Originally published as C 433M-80, approved in 1980. Last previous edition approved in 2002 as C 433M-042.~~