

GP 03-08-01	Expansion Joints	July 2001
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Expansion Joints

GP 03-08-01

Scope

[I] This Global Practice (GP) covers the design, fabrication, examination, and testing of metallic expansion joints used in pressure vessels, heat exchangers, and piping.

* [I] Expansion joints shall not be used unless approved by the Owner's Engineer.

[R] Expansion joints used in pressure vessels and heat exchangers shall meet the requirements of the BPVC Section VIII Rules for Construction of Pressure Vessels Division 1, Appendix 26 or Appendix CC as appropriate, and the additional requirements of this GP.

[R] Expansion joints used in piping systems shall meet the requirements of ASME B31.3, Appendix X, and the additional requirements of this GP.

[I] An asterisk (*) indicates that a decision by the Owner's Engineer is required or that additional information is furnished by the Purchaser.

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1. Required References

[I] This Section lists Practices, Standards, and Codes that shall be used with this GP. Unless otherwise specified herein, use the latest edition.

1.1. Global Practices–ExxonMobil Engineering Practices

GP 18-07-01	Welding Procedures
GP 18-10-01	Additional Requirements for Materials
GP 18-12-01	Positive Material Identification
GP 20-01-01	Inspection of Equipment and Materials

1.2. ExxonMobil Data Sheets

ExxonMobil Data Sheets	ExxonMobil Data Sheet Home Page
T030801C01	Expansion Joints - Manufacturer's Requirements - Customary Units
T030801M01	Expansion Joints - Manufacturer's Requirements - Metric Units

1.3. ASME–American Society of Mechanical Engineers

ASME B31.3	Process Piping
ASME SEC VIII D1 B PT UW	Part UW Requirements for Pressure Vessels Fabricated by Welding
ASME SEC VIII D1 MA APP 6	Appendix 6 Methods for Magnetic Particle Examination (MT)
ASME SEC VIII D1 MA APP 26	Appendix 26 Pressure Vessel and Heat Exchanger Expansion Joints
ASME SEC VIII D1 NMA APP CC	Appendix CC Flanged and Flued or Flanged Only Expansion Joints

1.4. EJMA–Expansion Joint Manufacturers Association

EJMA 2	Standards of the Expansion Joint Manufacturers Association, Inc.
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