

GENERAL SPECIFICATION

CORROSION

GS EP COR 356

Corrosion Protection of Fasteners
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04	10/2017	Add onshore scope
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1. Scope

This document defines the general technical requirements for the specification of corrosion protection for fasteners (bolts, screws and studs) for structures, pipelines, piping and static equipment located offshore, coastal, and onshore.

The selection of fastener material with respect to the location and application is specified in [GS EP COR 005](#) and [GS EP SPS 029](#) for subsea fasteners.

2. Reference documents

The reference documents listed below form an integral part of this General Specification.

External Documents

Unless otherwise stipulated, the applicable version of these documents, including relevant appendices and addendums, is the latest revision published at the effective date of this document.

Reference	Title
ASTM A153	Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware
ASTM D4285	Standard Test Method for Indicating Oil or Water in Compressed Air
ISO 10684	Fasteners - Hot dip galvanized coatings
ISO 12944-2	Paints and varnishes - Corrosion protection of steel structures by protective coating systems - Part 2: Classification of environments
ISO 19840	Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Measurement of, and acceptance criteria for, the dry-film thickness of coating on rough surfaces
ISO 898-1	Mechanical properties of fasteners made of carbon steel and alloy steel - Part 1: Bolts, screws and studs with specified property classes - Coarse thread and fine pitch thread

Total General Specifications

Unless otherwise stipulated, the applicable version of these documents, including relevant appendices and addendums, is the latest revision published.

Reference	Title
GS EP COR 005	Materials selection for oil and gas production systems
GS EP COR 350	External protection of offshore and coastal structures and equipment by painting
GS EP SPS 029	Metallic Materials for Subsea Production Facilities