

GENERAL SPECIFICATION

STRUCTURAL

GS EP STR 432

Installation of piles for offshore steel structures Drilled and grouted piles

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1. Scope

The document defines the minimum requirements to perform fabrication and installation of drilled and grouted piles for fixed offshore steel structures.

The document also defines references for obtaining satisfactory and consistent quality in the reports to be provided by the Contractor in charge of pile installation works.

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 supplements, is the latest revision published at the effective date of this document.

Reference	Title
API RP 2A-WSD	Recommended Practice for Planning, Designing and Constructing Fixed Offshore Platforms. Working Stress Design
DNV	Rules for Planning and Execution of Marine Operations
ISO 1000	Specification for SI Units and Recommendations for the Use of their Multiples and of Certain other Units
ISO 9001	Quality Management Systems. Requirements
ISO 19900	Petroleum and natural gas industries - General requirements for offshore structures

Total General Specifications

Unless otherwise stipulated, the applicable version of these documents, including relevant appendices and supplements, is the latest revision published in the applicable yearly collection.

Reference	Title
GS EP STR 301	Fabrication of offshore steel structures
GS EP STR 431	Installation of piles for offshore steel structures. Driven piles

3. General

Proper installation of the foundation piles is vital to the life and permanence of the platform and requires each pile to be driven or drilled and grouted to the design target penetration, without damage, and for all field-made structural connections to be compatible with the design requirements.