

ISO 24202:2023-10 (E)

Oil and gas industries including lower carbon energy - Bulk material for offshore projects - Monorail beam and padeye

Contents	Page
Foreword.....	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms, definitions and abbreviated terms.....	1
3.1 Terms and definitions.....	2
3.2 Abbreviated terms.....	2
4 Requirements and specifications for monorail beams.....	3
4.1 General.....	3
4.2 Design loads.....	3
4.3 Deflection.....	3
4.4 End stoppers.....	4
4.5 Fabrication.....	4
4.6 Painting and marking.....	4
4.7 Material grade and design temperature.....	4
4.8 Strength assessment.....	5
4.9 Fatigue assessment.....	5
4.10 Specification of beam size and span.....	5
4.11 Curved monorail beams.....	8
4.12 Arrangement for installation of hoists and trolley.....	9
4.13 Load test requirements.....	9
5 Requirements and specifications for padeyes.....	10
5.1 General.....	10
5.2 Design loads.....	11
5.3 Fabrication.....	11
5.4 Painting and marking.....	11
5.5 Material grade and design temperature.....	12
5.6 Specification of shapes and dimensions.....	12
5.7 Load test requirements.....	15
6 Testing and inspection.....	15
6.1 General.....	15
6.2 Sampling test.....	15
6.3 Sampling test for monorail beams.....	15
6.4 Sampling test for padeyes.....	16
6.5 Prerequisite for testing.....	16
6.6 Test result evaluation.....	17
6.7 Inspection.....	18
Annex A (normative) Material requirements for monorail beams and padeyes.....	19
Annex B (normative) Detail shackle data for padeye design.....	30
Annex C (informative) Quality control plan.....	31
Annex D (informative) Detail test methods.....	34
Bibliography.....	38