

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