

DIN EN ISO 17078-4:2010-09 (E)

Petroleum and natural gas industries - Drilling and production equipment - Part 4: Practices for side-pocket mandrels and related equipment (ISO 17078-4:2010);
English version EN ISO 17078-4:2010, with CD-ROM

Contents	Page
Foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Abbreviations and symbols	9
4.1 Abbreviations	9
4.2 Symbols	9
5 Guidelines for application of side-pocket mandrels and related equipment	10
5.1 General	10
5.2 Interface compatibility issues	10
5.3 Test facility for flow-control-device performance testing	10
5.4 Set-up and calibration of flow-control devices	10
5.5 Pre-installation and post-removal inspection, testing, and maintenance	10
5.6 Reconditioning side-pocket mandrels and related products	10
5.7 Reconditioning shops and shop personnel	11
5.8 User/purchaser functional specification templates	11
5.9 Supplier/manufacturer product data sheets	11
Annex A (informative) Interface compatibility issues	12
Annex B (informative) Test facilities for flow-control device performance testing	13
Annex C (informative) Set-up and calibration of flow-control devices	20
Annex D (informative) Pre-installation and post-removal inspection and testing	23
Annex E (informative) Reconditioning side-pocket mandrels and related equipment	25
Annex F (informative) Reconditioning shops and shop personnel	31
Annex G (informative) User/purchaser functional templates for side-pocket mandrels and related equipment	35
Annex H (informative) Supplier/manufacturer product data sheet templates for side-pocket mandrels and related equipment	44
Bibliography	50