

ISO 21225-2:2018-04 (E)

Plastics piping systems for the trenchless replacement of underground pipeline networks - Part 2: Replacement off the line by horizontal directional drilling and impact moling

| Contents | | Page |
|---|--|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 2 |
| 4 | Symbols and abbreviated terms | 7 |
| 4.1 | Symbols | 7 |
| 4.2 | Abbreviated terms | 8 |
| 5 | Design aspects | 8 |
| 6 | Material selection | 8 |
| 6.1 | Pipes and fittings | 8 |
| 6.2 | Regional requirements for pipes and fittings | 9 |
| 6.3 | Ancillary components | 9 |
| 7 | Installation practice | 9 |
| 7.1 | Preparatory work | 9 |
| 7.2 | Storage, handling and transport | 9 |
| 7.3 | Equipment | 10 |
| 7.3.1 | General | 10 |
| 7.3.2 | Inspection equipment | 10 |
| 7.3.3 | Lifting equipment | 10 |
| 7.3.4 | Butt fusion equipment and debanding equipment | 10 |
| 7.3.5 | Pipe skids/rollers | 10 |
| 7.3.6 | HDD equipment | 11 |
| 7.3.7 | Impact moling equipment | 11 |
| 7.3.8 | Electrofusion equipment | 12 |
| 7.4 | Installation | 12 |
| 7.5 | Process-related inspection and testing | 13 |
| 7.6 | Finishing off | 13 |
| 7.7 | Connection to the existing pipeline system | 13 |
| 8 | Fitness for purpose | 14 |
| 8.1 | General | 14 |
| 8.2 | Final inspection | 14 |
| 8.3 | Pressure testing | 14 |
| 8.4 | Disinfection | 14 |
| 8.5 | Documentation | 15 |
| Annex A (normative) Layered pipes | | 16 |
| Annex B (informative) Pipe design considerations particular to HDD | | 17 |
| Bibliography | | 19 |