

# DIN EN ISO 21225-1:2019-06 (E)

**Plastics piping systems for the trenchless replacement of underground pipeline networks - Part 1: Replacement on the line by pipe bursting and pipe extraction (ISO 21225-1:2018)**

---

## Contents

	Page
<b>European foreword .....</b>	<b>3</b>
<b>Foreword .....</b>	<b>4</b>
<b>Introduction .....</b>	<b>5</b>
<b>1 Scope .....</b>	<b>7</b>
<b>2 Normative references .....</b>	<b>7</b>
<b>3 Terms and definitions .....</b>	<b>8</b>
<b>4 Symbols and abbreviated terms .....</b>	<b>13</b>
4.1 Symbols .....	13
4.2 Abbreviated terms .....	14
<b>5 Design aspects .....</b>	<b>14</b>
<b>6 Material selection .....</b>	<b>14</b>
6.1 Pipes and fittings .....	14
6.2 Regional requirements for pipes and fittings .....	14
6.3 Ancillary components .....	15
<b>7 Installation practice .....</b>	<b>15</b>
7.1 Preparatory work .....	15
7.2 Storage, handling and transport .....	15
7.3 Equipment .....	16
7.3.1 General .....	16
7.3.2 Inspection equipment .....	16
7.3.3 Lifting equipment .....	16
7.3.4 Butt fusion equipment and debeading equipment .....	16
7.3.5 Pipe skids/rollers .....	16
7.3.6 Winching and rod-pulling equipment .....	16
7.3.7 Pipe bursting equipment .....	17
7.3.8 Pipe extraction equipment .....	17
7.3.9 Electrofusion equipment .....	18
7.4 Installation .....	18
7.4.1 General .....	18
7.4.2 Disconnection from the existing pipeline .....	19
7.5 Process-related inspection and testing .....	19
7.6 Finishing off .....	19
7.7 Reconnection to the existing pipeline system .....	19
<b>8 Fitness for purpose .....</b>	<b>19</b>
8.1 General .....	19
8.2 Final inspection .....	20
8.3 Pressure testing .....	20
8.4 Disinfection .....	20
8.5 Documentation .....	20
<b>Annex A (normative) Layered pipes .....</b>	<b>21</b>
<b>Annex B (informative) Pipe design considerations particular to pipe bursting and pipe extraction .....</b>	<b>22</b>
<b>Bibliography .....</b>	<b>24</b>