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# INTERNATIONAL STANDARD



# 2327

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## Pneumatic handling appliances for loose bulk materials — Piping

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Sample Document

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**Descriptors :** materials handling equipment, conveyors, pneumatic conveyors, bulk handling, pipes (tubes).

Price based on 1 page

## FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up has the right to be represented on that Committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 2327 was drawn up by Technical Committee ISO/TC 101, *Continuous mechanical handling equipment*.

It was approved in October 1971 by the Member Bodies of the following countries:

|                     |                |                       |
|---------------------|----------------|-----------------------|
| Belgium             | India          | South Africa, Rep. of |
| Czechoslovakia      | Ireland        | Spain                 |
| Egypt, Arab Rep. of | Italy          | Sweden                |
| Finland             | Korea, Rep. of | Thailand              |
| France              | Netherlands    | Turkey                |
| Germany             | New Zealand    | United Kingdom        |

The Member Body of the following country expressed disapproval of the document on technical grounds:

Romania

# Pneumatic handling appliances for loose bulk materials — Piping

## 1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the dimensions of piping used in the pneumatic handling of loose bulk materials, in three series, light, medium and strong.

## 2 DIMENSIONS

$D$  = inside diameter

$D_1$  = outside diameter

$e$  = wall thickness

TABLE — Dimensions of pipes

Values in millimetres

| Light series |              |     | Medium series |              |     | Strong series |              |     |
|--------------|--------------|-----|---------------|--------------|-----|---------------|--------------|-----|
| $D$          | $D_1$        | $e$ | $D$           | $D_1$        | $e$ | $D$           | $D_1$        | $e$ |
|              | <b>48.3</b>  |     |               | <b>48.3</b>  |     |               | <b>48.3</b>  |     |
|              | 54           |     |               | 54           |     |               | 54           |     |
|              | <b>57</b>    |     |               | <b>57</b>    |     |               | <b>57</b>    |     |
|              | 60.3         |     |               | 60.3         |     |               | 60.3         |     |
| <b>66</b>    | <b>70</b>    | 2   | <b>64.2</b>   | <b>70</b>    | 2.9 | <b>57.4</b>   | <b>70</b>    | 6.3 |
| 72.1         | 76.1         | 2   | 70.3          | 76.1         | 2.9 | 63.5          | 76.1         | 6.3 |
| <b>84.9</b>  | <b>88.9</b>  | 2   | <b>82.5</b>   | <b>88.9</b>  | 3.2 | <b>76.3</b>   | <b>88.9</b>  | 6.3 |
| 96.4         | 101.6        | 2.6 | 94.4          | 101.6        | 3.6 | 89            | 101.6        | 6.3 |
| <b>102.8</b> | <b>108</b>   | 2.6 | <b>100.8</b>  | <b>108</b>   | 3.6 | <b>95.4</b>   | <b>108</b>   | 6.3 |
| 109.1        | 114.3        | 2.6 | 107.1         | 114.3        | 3.6 | 101.7         | 114.3        | 6.3 |
| <b>127.2</b> | <b>133</b>   | 2.9 | <b>125</b>    | <b>133</b>   | 4   | <b>120.4</b>  | <b>133</b>   | 6.3 |
| 133.9        | 139.7        | 2.9 | 131.7         | 139.7        | 4   | 127.1         | 139.7        | 6.3 |
| <b>153.2</b> | <b>159</b>   | 2.9 | <b>150</b>    | <b>159</b>   | 4.5 | <b>146.4</b>  | <b>159</b>   | 6.3 |
| 162.5        | 168.3        | 2.9 | 159.3         | 168.3        | 4.5 | 155.7         | 168.3        | 6.3 |
| <b>187.9</b> | <b>193.7</b> | 2.9 | <b>182.9</b>  | <b>193.7</b> | 5.4 | <b>177.7</b>  | <b>193.7</b> | 8   |
| 211.9        | 219.1        | 3.6 | 207.3         | 219.1        | 5.9 | 203.1         | 219.1        | 8   |
| <b>236.5</b> | <b>244.5</b> | 4   | <b>231.9</b>  | <b>244.5</b> | 6.3 | <b>228.5</b>  | <b>244.5</b> | 8   |
|              | 273          |     |               | 273          |     |               | 273          |     |
|              | <b>323.9</b> |     |               | <b>323.9</b> |     |               | <b>323.9</b> |     |
|              | 355.6        |     |               | 355.6        |     |               | 355.6        |     |
|              | <b>368</b>   |     |               | <b>368</b>   |     |               | <b>368</b>   |     |

### NOTES

- The recommended dimensions are shown in bold type.
- See also ISO/R 336, *Plain end steel tubes, welded or seamless — General table of dimensions and masses per unit length*.