

## Contents

<b>1.</b>	<b>Introduction.....</b>	<b>1</b>
1.1	Background .....	1
1.2	Content.....	1
<b>2.</b>	<b>Legislation, Standards and Related Documents.....</b>	<b>3</b>
2.1	Legislation and Regulatory Guidance.....	3
2.2	Standards .....	3
2.3	BSI Published Documents.....	4
<b>3.</b>	<b>Definitions .....</b>	<b>5</b>
3.1	Lifting Point .....	5
3.2	Rated Load.....	5
3.3	Safe Working Load .....	5
3.4	Lifting Gear .....	5
3.5	Lifting Appliances .....	5
3.6	Plant.....	5
3.7	Shall and Must .....	5
3.8	Should and Recommend.....	5
<b>4.</b>	<b>Types of Lifting Points .....</b>	<b>7</b>
4.1	Preferred Types.....	7
4.2	Other Types.....	7
4.2.1	Eyebolts.....	7
4.2.2	Dynamo eyebolts .....	7
<b>5.</b>	<b>Design and Fabrication .....</b>	<b>9</b>
5.1	General.....	9
5.2	Distribution and Number of Lifting Points.....	9
5.3	Design .....	9
5.4	Design Load .....	9
5.5	Rated Load .....	10
5.6	Practical Application of Rated Loads .....	10
5.6.1	Lifting using Separate Lifting Appliances for Each Lifting Point.....	10
5.6.2	Lifting using Multi-Leg Slings .....	11
5.7	Requirements for Specific Types of Lifting Points .....	11
5.7.1	Tapped holes .....	11
5.7.2	Lifting points for use with shackles .....	11
5.7.3	Lifting points for use with hooks.....	11
5.7.4	Eyebolts.....	11
5.7.5	Welds and welding procedures .....	12
5.8	Additional Requirements for Lifting Points on Pressure Vessels .....	12
<b>6.</b>	<b>Marking .....</b>	<b>13</b>
6.1	Lifting Points.....	13
6.2	Plant.....	13
<b>7.</b>	<b>Certification .....</b>	<b>14</b>
<b>8.</b>	<b>Information to be Exchanged .....</b>	<b>15</b>
8.1	From Purchaser to Supplier.....	15
8.2	From Supplier to Purchaser.....	15
<b>9.</b>	<b>Examples of Lifting Points Calculations .....</b>	<b>16</b>

## Tables

**Table 1 Lifting Criteria for Various Numbers of Lifting Points .....10**

## Figures

<b>Figure 1 Eyebolts loaded at 90° to axis .....</b>	<b>11</b>
<b>Figure 2 Single lifting point .....</b>	<b>16</b>
<b>Figure 3 Two lifting points .....</b>	<b>16</b>
<b>Figure 4 Three lifting points.....</b>	<b>17</b>
<b>Figure 5 Four lifting points .....</b>	<b>18</b>
<b>Figure 6 Example of inherent machine features as lifting points.....</b>	<b>19</b>
<b>Figure 7 Purpose designed lifting points for indivisible/multiple loads ....</b>	<b>20</b>