

# ISO 16049-2:2020-01 (E)

## Air cargo equipment - Restraint straps - Part 2: Utilization requirements and recommendations and lashing calculations

---

<b>Contents</b>		<b>Page</b>
<b>Foreword</b> .....		<b>iv</b>
<b>Introduction</b> .....		<b>v</b>
<b>1 Scope</b> .....		<b>1</b>
<b>2 Normative references</b> .....		<b>1</b>
<b>3 Terms and definitions</b> .....		<b>2</b>
<b>4 General requirements</b> .....		<b>4</b>
<b>5 Tie-down method</b> .....		<b>8</b>
5.1 Basic method.....		<b>8</b>
5.2 Directions of restraint.....		<b>8</b>
<b>6 Calculation methods</b> .....		<b>9</b>
6.1 Load factors.....		<b>9</b>
6.2 Calculation principles.....		<b>10</b>
6.3 Practical calculation.....		<b>11</b>
6.4 Calculation sheet.....		<b>11</b>
<b>7 Specific requirements</b> .....		<b>12</b>
7.1 General.....		<b>12</b>
7.2 Risk of cargo slippage.....		<b>13</b>
7.3 Risk of cargo tilting.....		<b>13</b>
7.4 Long and narrow items.....		<b>13</b>
<b>8 Operator's responsibilities</b> .....		<b>14</b>
<b>Bibliography</b> .....		<b>16</b>