

# ISO 15236-1:2005-10 (E)

## Steel cord conveyor belts - Part 1: Design, dimensions and mechanical requirements for conveyor belts for general use

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>2</b>
<b>4</b>	<b>Symbols and units .....</b>	<b>3</b>
<b>5</b>	<b>Belt design .....</b>	<b>3</b>
5.1	Standard type .....	3
5.2	Conveyor belting having transverse reinforcements .....	3
5.3	Belt core .....	4
<b>6</b>	<b>Design and construction .....</b>	<b>5</b>
6.1	Belt strengths .....	5
6.2	Belt width .....	5
6.3	Belt edge and supporting belt width .....	6
6.4	Number of cords .....	6
6.5	Cord pitch .....	6
6.6	Thickness of covers .....	6
6.7	Belt thickness .....	6
6.8	Belt length .....	7
<b>7</b>	<b>Mechanical requirements .....</b>	<b>7</b>
7.1	Breaking strength of the steel cord .....	7
7.2	Position of the steel cord in the conveyor belt .....	7
7.3	Number and spacing of cord joints .....	8
7.4	Cord pull-out force .....	8
7.5	Covers -- Quality classification .....	8
7.6	Ageing of covers .....	10
7.7	Adhesion .....	10
7.8	Transverse reinforcements .....	10
7.9	Troughability .....	11
7.10	Tracking .....	11
7.11	Safety requirements .....	12
<b>8</b>	<b>Sampling .....</b>	<b>12</b>
<b>9</b>	<b>Designation .....</b>	<b>12</b>
<b>10</b>	<b>Ordering data .....</b>	<b>13</b>
<b>11</b>	<b>Marking .....</b>	<b>13</b>
<b>Annex A (informative)</b>	<b>Helpful information to be supplied by the purchaser .....</b>	<b>14</b>