

# ISO/TR 13570-1:2005-04 (E)

## Wheelchairs - Part 1: Guidelines for the application of the ISO 7176 series on wheelchairs

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>How to use this Technical Report .....</b>	<b>2</b>
<b>3</b>	<b>Standardized testing and information disclosure .....</b>	<b>2</b>
3.1	General .....	2
3.2	Background on tests and standards .....	2
3.3	Standards increase your buying power .....	2
3.4	More about International Standards .....	3
3.5	How chairs are tested .....	5
3.6	How information is disclosed .....	5
<b>4</b>	<b>General considerations .....</b>	<b>6</b>
4.1	Manual versus powered wheelchairs .....	6
4.2	Rigid versus folding manual wheelchairs .....	8
4.3	Direct-drive versus belt-drive powered wheelchairs .....	8
4.4	Cost .....	9
<b>5</b>	<b>Incorporating personal body characteristics .....</b>	<b>10</b>
5.1	Body size .....	10
5.2	Seating .....	11
5.3	Joint flexibility .....	19
5.4	Propulsion skill .....	21
<b>6</b>	<b>Manual wheelchairs .....</b>	<b>23</b>
6.1	Performance .....	23
6.2	Safety .....	31
6.3	Dimensions .....	36
<b>7</b>	<b>Powered wheelchairs .....</b>	<b>39</b>
7.1	Performance .....	39
7.2	Safety .....	49
7.3	Dimensions .....	60
<b>Annex A (informative)</b>	<b>Additional information not required for disclosure in the manufacturer's technical product literature .....</b>	<b>65</b>
<b>Bibliography .....</b>		<b>68</b>