

ISO 4513:2010-05 (E)

Road vehicles - Visibility - Method for establishment of eyellipses for driver's eye location

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Adjustable seat 95th and 99th percentile tangent cut-off eyellipses for a 50/50 male and female gender mix	4
4.1	Reference anthropometry	4
4.2	Axis lengths	5
4.3	Axis angles	5
4.3.1	Rear and plan view angles	5
4.3.2	Side view angle,	6
4.4	Centroid locations	6
4.4.1	Locating equations	6
4.4.2	Seats with vertical adjustment	6
4.4.3	Left, right, mid-eye centroids	7
5	Eyellipse locating procedure, Class A vehicles	7
6	Neck pivot (P) and eye (E) points: locating procedure, Class A vehicles	8
6.1	Background	8
6.2	Neck pivot (P) points	8
6.3	Eye (E) points	9
Annex A (informative)	Adjustable seat tangent cut-off eyellipses for any user population stature distribution and gender mix	10
Annex B (informative)	Fixed seat 95th and 99th percentile tangent cut-off eyellipses for an adult population at a 50/50 gender mix	17
Annex C (informative)	Fixed seat tangent cut-off eyellipses for any user population stature distribution and gender mix	21
Annex D (informative)	Tangent cut-off eyellipses and inclusive eyellipses	26
Annex E (informative)	Eyellipses for Class B vehicles	29
Annex F (informative)	Background to the revision of this International Standard	32
Bibliography		34