

ISO 19347:2015-10 (E)

Synchronous belt drives - Imperial pitch trapezoidal profile system - Belts and pulleys

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Profiles	1
4	Belt dimensions and tolerances	2
4.1	Belt tooth dimensions	2
4.2	Belt pitch lengths and tolerances	4
4.2.1	Single-sided belts	4
4.2.2	Double-sided belts	7
4.3	Belt standard widths and heights	7
5	Belt designation	9
5.1	Single-sided belts	9
5.1.1	General	9
5.1.2	Alternate method for MXL and XXL belts	9
5.2	Double-sided belts	10
5.2.1	Type A -- symmetrical	10
5.2.2	Type B -- staggered	10
5.3	Designation of pitch length of non-standardized lengths	10
6	Belt pitch length measurement	10
6.1	Measuring fixture	10
6.2	Total measuring force	12
7	Pulley groove dimensions	13
7.1	Involute grooves	13
7.2	Straight-sided grooves	14
7.3	Pitch-to-pitch tolerances	15
8	Pulley dimensions	16
8.1	Pulley width	16
8.2	Pulley diameter	17
8.3	Other pulley tolerances	21
9	Pulley quality specifications	22
10	Pulley designation	23
10.1	Usual pulley designation	23
10.2	Alternate method for MXL and XXL pulleys	23
Annex A (normative) Flange dimensions		24
Bibliography		26