

ISO 16049-1:2013-03 (E)

Air cargo equipment - Restraint straps - Part 1: Design criteria and testing methods

Contents		Page
Foreword		iv
Introduction		v
1 Scope	1	
2 Normative references	1	
3 Terms and definitions	2	
4 Design criteria	6	
4.1 General	6	
4.2 Ultimate load	6	
4.3 Elongation	7	
4.4 Flammability	8	
4.5 Environmental degradation	8	
4.6 Dimensions	8	
4.7 Tensioning device	8	
4.8 End fittings	9	
4.9 Webbing and sewing	10	
4.10 Detailed design	10	
5 Testing methods	11	
5.1 Tests	11	
5.2 Objective	11	
5.3 Test specimens	11	
5.4 Testing apparatus	11	
5.5 Ultimate load test	12	
5.6 Elongation test	13	
5.7 Cyclic load test	13	
5.8 Flammability test	14	
5.9 Webbing elongation test (optional)	14	
5.10 Webbing abrasion test (optional)	14	
5.11 Test record	15	
6 Quality control	15	
7 Markings	16	
8 Options	17	
9 Manufacturer's instructions	18	
10 Operating instructions	18	
Bibliography	19	