

DIN EN 13089:2011-05 (E)

Mountaineering equipment - Ice-tools - Safety requirements and test methods

Contents		Page
Foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Safety requirements	6
4.1	Edges	6
4.2	Shaft strength	6
4.3	Strength in the load direction YY	6
4.4	Strength in the load direction XX	6
4.5	Pick strength	7
5	Test methods	7
5.1	Preparation of test samples	7
5.2	Apparatus	7
5.3	Procedure	7
5.3.1	Test sample	7
5.3.2	Edges	7
5.3.3	Shaft strength	8
5.3.4	Strength in the load direction YY	9
5.3.5	Strength in the load direction XX	9
5.3.6	Pick strength	10
6	Marking	11
7	Information to be supplied by the manufacturer	12
Annex A (informative) Standards on mountaineering equipment		13
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 89/686/EEC		15