

ISO 13912:2017-11 (E)

Structural timber - Machine strength grading - Basic principles

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols and abbreviated terms	1
5	General	1
5.1	Machine strength-graded timber	1
5.2	Machine strength-grading operations	1
5.3	Machine strength-grading quality procedures	2
5.3.1	Machine-controlled system	2
5.3.2	Output-controlled system	2
6	Resource and sawn timber input requirements	3
6.1	General	3
6.2	Input requirements	4
6.2.1	Resource	4
6.2.2	Sawn timber	4
6.3	Control of inputs	4
6.4	Reprocessing of previously graded material	4
7	Machine strength-grading requirements	4
7.1	Machine checking requirements	4
7.2	Machine acceptance criteria	4
7.3	Machine strength-grading requirements	5
7.4	Visual grading requirements	5
7.4.1	General	5
7.4.2	Automated visual grading	5
8	Machine strength-graded timber structural properties	5
8.1	General	5
8.2	Initial evaluation	5
8.3	Daily evaluation	6
9	Product identification	6
10	Documentation	6
Annex A (informative) Example of a machine strength-grading timber standard		7
Annex B (informative) Use of the CUSUM procedure for daily evaluation		20
Annex C (informative) Strength-grading machine acceptance considerations		24
Annex D (informative) Training, supervision and oversight of grading		26