

DIN EN 12413:2007-09 (E)

Safety requirements for bonded abrasive products

Contents		Page
Foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Definitions and symbols	5
3.1	Bonded abrasive products	5
3.2	Grinding machines	5
3.3	Grinding method	6
3.4	Type of application	6
3.5	Symbols	7
4	List of significant hazards	8
5	Requirements	8
5.1	General requirements	8
5.2	Strength requirements	9
5.3	Dimensional requirements	10
5.4	Admissible unbalance	30
5.5	Marking	30
5.6	Blotters	30
6	Verification of the requirements and inspection	30
6.1	Verification methods	30
6.2	Scope of inspection by the manufacturer	31
7	Information for use	33
Annex A (normative) Marking		34
A.1	Content of marking	34
A.2	Execution of marking	37
Annex B (informative) Mounted points		38
B.1	Example calculation of the maximum permissible speeds of rotation	38
B.2	Example for application of the calculation method	42
Annex C (normative) Verification methods for side load capacity		44
C.1	General	44
C.2	Single point side load	44
C.3	Three point side load	45
C.4	Impact test	45
Annex D (informative) Colour codes		47
Annex E (informative) Speed conversion table		48
Bibliography		49