DIN EN ISO 11148-3:2013-05 (E)

Hand-held non-electric power tools - Safety requirements - Part 3: Drills and tappers (ISO 11148-3:2012)

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 6
3.1 General definitions 6
3.2 Definitions related to drills and tappers 8

4 Safety requirements and/or protective measures 8
4.1 General 8
4.2 Mechanical safety 8
4.3 Thermal safety 9
4.4 Noise reduction 9
4.5 Vibration 10
4.6 Materials and substances processed, used or exhausted 10
4.7 Ergonomics 11
4.8 Controls 11

5 Verification 12
5.1 General conditions for tests 12
5.2 Noise 12
5.3 Vibration 12
5.4 Unintentional start 12
5.5 Power tool construction 12
5.6 Structure of verification of safety requirements 13

6 Information for use 13
6.1 Marking, signs and written warnings 13
6.2 Instructions handbook 14
6.3 Operating instructions 19
6.4 Data 19
6.5 Maintenance instructions 20

Annex A (informative) List of significant hazards 21

Annex B (informative) Examples of drills and tappers covered by this part of ISO 11148 23

Annex C (normative) Symbols for labels and signs 25

Annex D (normative) Additional safety requirements related to internal combustion engine power tools 27

Bibliography 31

Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC 32