

INTERNATIONAL STANDARD

IEC
61029-2-4

1993

AMENDMENT 1
2001-05

Amendment 1

Safety of transportable motor-operated electric tools –

Part 2-4: Particular requirements for bench grinders

Amendement 1

Sécurité des machines-outils électriques semi-fixes –

Partie 2-4: Règles particulières pour les tourets à meuler

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Международная Электротехническая Комиссия

PRICE CODE

E

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FOREWORD

This amendment has been prepared by subcommittee 61F: Safety of hand-held motor-operated electric tools, of IEC technical committee 61: Safety of household and similar electrical appliances.

The text of this amendment is based on the following documents:

FDIS	Report on voting
61F/371/FDIS	61F/386/RVD

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of the base publication and its amendments will remain unchanged until 2006. At this date, the publication will be

- reconfirmed;
 - withdrawn;
 - replaced by a revised edition, or
 - amended.
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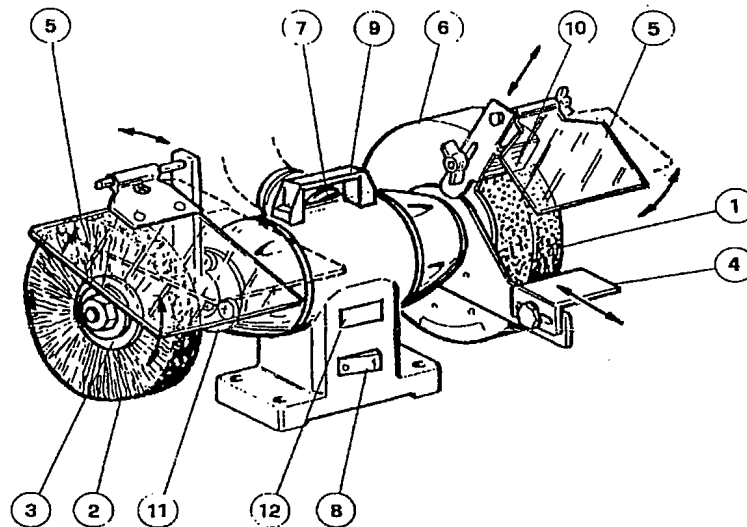
1 Scope

1.1 Modification:

Replace the first paragraph by the following:

This International Standard applies to transportable bench grinders (figure 101) and combined bench grinders (figure 107) with a wheel diameter and brush diameter not exceeding 200 mm and a peripheral speed not exceeding 50 m/s, as defined in 2.101 and 2.114.

Add figure 107 as follows:



IEC 490/01

- | | |
|------------------------------------|----------------------|
| 1 - straight-sided grinding wheel | 7 - nozzle for dust |
| 2 - brush | 8 - on/off device |
| 3 - flange | 9 - handle |
| 4 - work rest | 10 - spark arrestor |
| 5 - transparent screen | 11 - cup shaft guard |
| 6 - guard for straight-sided wheel | 12 - marking plate |

Figure 107 – Combined bench grinder

NOTE The drawings are given as a guide only.

2 Definitions

Replace definitions 2.103, 2.104 and 2.112 as follows:

2.103

machine spindle

motor spindle of the bench grinder or of the combined bench grinder which supports and transmits the rotation to the grinding wheels or to the grinding wheel and/or the brush

2.104

nozzle for dust collection

device allowing the connection of a bench grinder or a combined bench grinder to a dust collection system

2.112

working speed

linear peripheral speed of the wheel or of the brush while working

Add the following definition:

2.114

combined bench grinder

tool designed to grind metal or similar materials or to clean, polish or deburr metal or similar materials by means of an abrasive wheel and a brush fixed on opposite ends of the machine spindle, and which is located in a proper workplace and where pieces are held by hand