



DRAFT TANZANIA STANDARD

(Draft for comments only)

**Hand-held motor-operated electric tools - Safety - Part 2-3:
Particular requirements for grinders, polishers and disk-type
sanders**

TANZANIA BUREAU OF STANDARDS



1 National Foreword

This draft Tanzania Standard has been prepared by the TBS Electrical Equipment Technical Committee, under the supervision of the Electrotechnical Divisional Standards Committee (EDC)

This draft Tanzania Standard is identical to International Standard IEC 60745-2-3:2006+AMD1:2010+AMD2:2012 Hand-held motor-operated electric tools - Safety - Part 2-3: Particular requirements for grinders, polishers and disk-type sanders, which has been prepared by the International Electrotechnical Commission.

2 Terminology and conventions

Some terminologies and certain conventions are not identical with those used in Tanzania standards; attention is drawn especially to the following: -

- 1) The comma has been used as a decimal marker for metric dimensions. In Tanzania Standards, it is current practice to use "full point" on the baseline as the decimal marker.
- 2) Where the words "International Standard(s)" appear, referring to this standard they should read "Tanzania Standard(s)"



HANDHELD MOTOR-OPERATED ELECTRIC TOOLS –

SAFETY –

Part 2-3: Particular requirements for grinders,

polishers and disk-type sanders

1 Scope

This clause of Part 1 is applicable, except as follows:

Addition:

This standard applies to grinders, polishers and disk-type sanders, including angle, straight and vertical tools, with a rated capacity not exceeding 230 mm. For grinders, the rated speed does not exceed a peripheral speed of the accessory of 80 m/s at rated capacity.

This standard does not apply to dedicated cut-off machines which are covered by IEC 60745-2-22.

This standard does not apply to random-orbit polishers and random-orbit sanders which are covered by IEC 60745-2-4.

This standard does not apply to die grinders utilizing collets or chucks for mounting threaded cones and mandrel mounted wheels which are covered by IEC 60745-2-23.

2 Normative references

This clause of Part 1 is applicable except as follows:

Addition:

ISO 603-12:1999, Bonded abrasive products – Dimensions – Part 12: Grinding wheels for deburring and fettling on a straight grinder

ISO 603-14:1999, Bonded abrasive products – Dimensions – Part 14: Grinding wheels for deburring and fettling/snagging on an angle grinder

ISO 603-16:1999, Bonded abrasive products – Dimensions – Part 16: Grinding wheels for cutting-off on hand held power tools

ANSI B74.2:2003, Specifications for Shapes and Sizes of Grinding Wheels, and for Shapes, Sizes and Identification of Mounted Wheels