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**AMENDMENT 1**  
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**Hand-held portable power tools —  
Test methods for evaluation of  
vibration emission —**

Part 4:  
**Straight grinders**

**AMENDMENT 1: Cupped wire brushes**

*Machines à moteur portatives — Méthodes d'essai pour l'évaluation  
de l'émission de vibrations —*

*Partie 4: Meuleuses droites*

*AMENDMENT 1: Brosses métalliques rondes*



Reference number  
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This document was prepared by Technical Committee ISO/TC 118, *Compressors and pneumatic tools, machines and equipment*, Subcommittee SC 3, *Pneumatic tools and machines*.

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# Hand-held portable power tools — Test methods for evaluation of vibration emission —

## Part 4: Straight grinders

### AMENDMENT 1: Cupped wire brushes

*Page vi, Introduction*

Add the following sentence at the end of paragraph 7:

“For grinders that are intended to be used with cupped wire-brushes, the vibration value is obtained by using a correction factor of 1,6.”

*Page 1, Scope*

In the first sentence in paragraph 2, add:

“and with wire brushes” after “19 (cylindrical plug, taper-roll shaped)”

Change the last sentence in paragraph 2 to:

“It is not applicable to die grinders where the inserted tool is mounted in a collet”

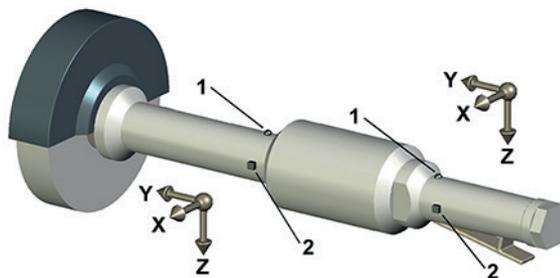
*Page 3, Clause 5*

Add the following NOTE after paragraph 1:

“NOTE This document only covers wheel dimensions included in ISO 603-14. For other wheel dimensions, use ISO 20643.”

*Page 4, Figure 4*

Replace the existing Figure 4 with the following:



and change the figure's title to read:

**“Figure 4 — Measurement locations — Straight grinder with type 1 wheel”**

*Page 4, Figure 5*

Change the figure's title to read:

**“Figure 5 — Measurement locations — Straight grinder with type 18R cylindrical plug”**

Page 5, Figure 6

Change the figure's title to read:

**"Figure 6 — Measurement locations — Extended straight grinder with type 18R cylindrical plug"**

Page 8, Second last paragraph of 8.4.1

Add the following after the existing sentence:

"For tools equipped with abrasives not included in Table 1, testing shall be made according to ISO 20643."

Page 11, subclause 9.2

Add the following at the end of the last paragraph:

(see ISO/TR 27609).

Page 11, subclause 9.3

Add the following new subclause 9.3 after subclause 9.2:

### **9.3 Correction factor**

For grinders that are intended to be used with cupped wire-brushes, the corresponding declared value  $a_{hd, brush}$  shall be given, where  $a_{hd, brush}$  is obtained by multiplying  $a_{hd}$  by a factor of 1,6.

Page 23, Bibliography

Add the following reference as number [1] and renumber the existing ones:

[1] ISO 603-14, *Bonded abrasive products — Dimensions — Part 14: Grinding wheels for deburring and fettling/snagging on an angle grinder*

and add this reference at the end:

[6] Hand-Arm Vibration Technical Report. Available at: <http://www.burrtec.co.jp/havs/content.html>