

# WHISPER Reinforced Grinding Wheels

Reduced Noise, Increased Performance



**NEW**



- Extremely high material removal in a very short grinding time
- Comfortable, low-vibration grinding with low noise emissions
- Excellent surface quality combined with soft grinding

# WHISPER Reinforced Grinding Wheels

The patented solution for high noise and vibration protection

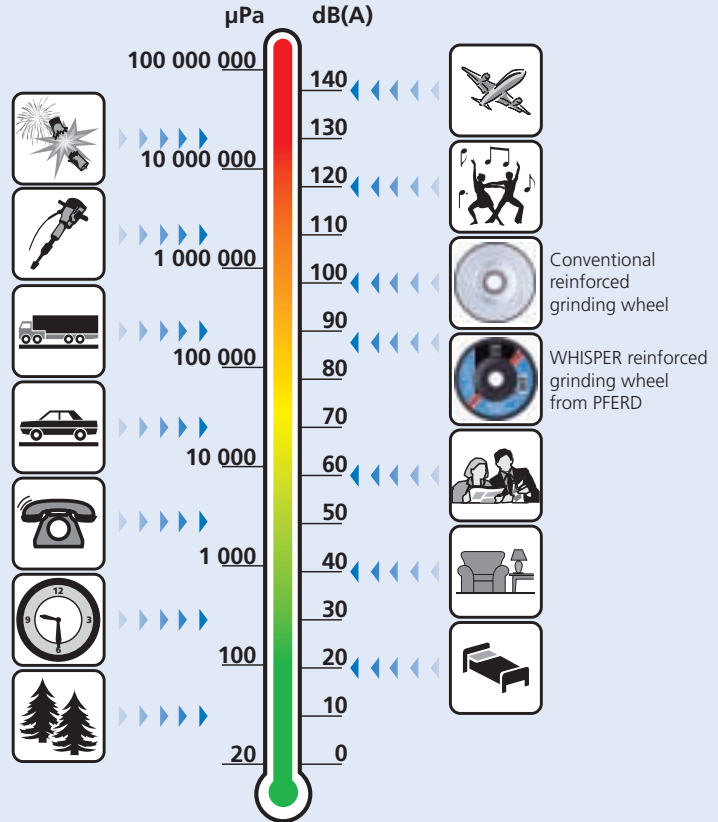


## High noise levels are harmful

Traffic noise; jackhammers; planes taking off; loud music in cars and bars. Most of the population experiences excessive noise on a daily basis. Scientific studies show that too much noise impairs mental and physical health. Millions of people in North America work in areas with potentially damaging noise levels. Industrial machinery emits constant noise. Compressors drone on. Circular saws "scream", angle grinders "howl": noise-induced hearing loss is among the top occupational hazards. And: noise-induced hearing loss cannot be corrected. Many countries are regulating the extent to which employees may be exposed to noise. PFERD is at the forefront of efforts to help protect the human element in the endless quest for productivity, profit and safety in the workplace.

**The new WHISPER reinforced grinding wheel from PFERD reduces noise levels by up to 12 dB(A) compared with conventional reinforced grinding wheel. This means a reduction in noise levels of more than 90%.**

Examples of noise pressure levels



## High vibration loads are harmful

Regular and intensive vibration usually lead to chronic illness and injury. This risk is mainly present when working with excessive vibration is a permanent part of an employee's job. Excessive vibration leads to damage to the circulation (e.g. the so-called white-finger syndrome), the nervous system, muscles and joints.

Many countries now oblige employers to carry out a health assessment of vibrations. The new directives have to be taken into account wherever tools or machines are used that trigger high levels of vibration. If employers can be proved to be negligent, the employees affected may pursue legal action.

**The new reinforced grinding wheel WHISPER from PFERD significantly reduces vibration compared with conventional reinforced grinding wheels.**

Limit values for vibration





# WHISPER Reinforced Grinding Wheels

## Special Line SG-PLUS



Achieve highly aggressive grinding at low noise and vibration levels with the WHISPER reinforced grinding wheel.

PFERD has developed WHISPER, among other innovative products, with the operator in mind, to promote safety, health and comfort, without compromising service life or grinding performance.

PFERD is focused on the long-term reduction of noise and vibration levels produced by grinding wheels, and on developing products which will provide more comfort for the operator and others in his environment.

The WHISPER reinforced grinding wheel achieves significantly lower levels of vibration and substantially lower noise and dust levels with an impressively higher machining capacity. The unique wheel structure allows soft, comfortable grinding with excellent surface quality.



WHISPER is an extremely productive and powerful reinforced grinding wheel. It grinds very aggressively, quietly and comfortably.

The patented design provides very soft, quiet grinding, and a high degree of working comfort with low vibration, low dust and low noise levels. The design also eliminates edge spalling.

With very aggressive removal rates right from the start, WHISPER will increase comfort as well as productivity everywhere grinding wheels are used. Very high machining capacity from the very start. The increased tool productivity allows substantial savings on labour costs.

WHISPER is ideal for users who have a lot of grinding to accomplish and want to produce high-quality finishes economically.

### Abrasive: Aluminum Oxide A

#### Workpiece Materials

Stainless steel (INOX), steel

#### Application

Surface grinding, work on weld seams, fillet weld grinding

#### Recommendation for Use

Suitable for use on angle grinders of all output categories.

#### PFERD Specification Number

A 46 H SGP WHISPER

### Stainless Steel (INOX)/Steel WHISPER - Hardness Grade H



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Unthreaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4-1/2 x 1/4	7.4	7/8	61582	10	5/8-11	61588	10	13,300
5 x 1/4	7.4	7/8	61583	10	5/8-11	61589	10	12,200



## Germany



August Rüggeberg  
GmbH & Co. KG  
PFERD-Werkzeuge  
Hauptstraße 13  
51709 Marienheide  
Tel. + 49 (0) 22 64 - 90  
Fax + 49 (0) 22 64 - 9400  
www.pferd.com

### Domestic Sales

vertrieb-deutschland@pferd.com

### Sales Europe

sales-europe@pferd.com

### Sales International

sales-international@pferd.com

## Canada



PFERD of Canada  
5570 McAdam Rd.  
Mississauga, Ontario L4Z 1P1  
Tel. + 1 - 905 - 501 - 1555  
Fax + 1 - 905 - 501 - 1554  
www.pferdcanada.ca

## USA



PFERD INC.  
PFERD Milwaukee Brush Co.  
30 Jytek Drive  
Leominster, MA 01453  
Tel. + 1 - 978 - 840 - 6420  
Fax + 1 - 978 - 840 - 6421  
www.pferdusa.com

## Argentina



PFERD Latinoamerica S.R.L.  
CP 56 – Suc. Barrio Norte  
Buenos Aires  
Tel. + 54 - 9 11 - 40 41 41 28  
www.pferd.com

## Australia



PFERD-Australia (Pty.) Ltd.  
1-3 Conifer Crescent  
Dingley, Vic. 3172  
Tel. + 61 - 3 - 9565 3200  
Fax + 61 - 3 - 9565 3299  
www.pferd.com.au

## Austria



PFERD-Rüggeberg GmbH  
Prinz-Eugen-Straße 17  
4020 Linz  
Tel. + 43 - 7 32 - 79 64 11-0  
Fax + 43 - 7 32 - 79 64 22  
www.pferd-rueggeberg.at

## Belgium



bvba PFERD-Rüggeberg sprl  
Watterranonkelstraat 2 a  
Rue de la Grenouillette  
1130 Brussel - Bruxelles  
Tel. + 32 - 2 - 2 47 05 90  
Fax + 32 - 2 - 2 16 30 54  
www.pferd.be

## Brazil



PFERD-Rüggeberg do Brasil Ltda.  
BR 277 no. 4.654 km 2 - CIC  
82305-200 Curitiba - PR  
Tel. + 55 - 41 - 30 71 82 22  
Fax + 55 - 41 - 30 71 82 00  
www.pferd.com.br

## China



PFERD-Tools – Shanghai Office  
Kong Jiang Road No. 1688  
Wei Bai Xin Bldg  
# 6th, Floor, Room 608  
Yang Pu District  
200092 Shanghai/China  
Tel. + 86 - 21 - 51 15 70 99  
Fax + 86 - 21 - 51 15 70 66  
www.pferd.cn

## France



PFERD-Rüggeberg France S.A.R.L.  
Zone d'Activités Economiques  
2, Avenue de la Concorde  
Ernolsheim-sur-Bruche  
67129 Molsheim Cédex  
Tel. + 33 - 3 88 - 49 72 50  
Fax + 33 - 3 88 - 38 70 17  
www.pferd.fr

## Italy



PFERD-Italia s.r.l.  
Via G. Di Vittorio 33/7-9  
20068 Peschiera Borromeo (MI)  
Tel. + 39 - 02 - 55 30 24 86  
Fax + 39 - 02 - 55 30 25 18  
www.pferd.it

## Mexico



PFERD-FANDELI, S.A. de C.V.  
Av. Presidente Juárez #225  
Col. San Jerónimo Tepetlaco  
Tlalhepantla, Estado de México  
CP 54090  
Tel. + 52 - 55 - 53 66 - 14 00  
Fax + 52 - 55 - 53 66 - 14 44  
www.pferd-fandeli.com.mx

## Netherlands



PFERD-Rüggeberg B.V.  
Hekven 15 bis., Postbus 2070  
4824 AD/4800 CB Breda  
Tel. + 31 - 76 - 5 93 70 90  
Fax + 31 - 76 - 5 42 10 33  
www.pferd.nl

## Poland



PFERD-VSM Sp.z o.o.  
ul. Polna 1A  
62-025 Kostrzyn Wlkp.  
Tel. + 48 - 61 - 8 97 04 80  
Fax + 48 - 61 - 8 97 04 90  
www.pferdvsm.pl

## Singapore



PFERD-Asia Pacific Pte. Ltd.  
808, French Road  
#03-179, Kitchener Complex  
Singapur 200808  
Tel. + 65 - 62 96 53 93  
Fax + 65 - 62 96 43 83  
www.pferd.com

## South Africa



PFERD-South Africa (Pty.) Ltd.  
32 Derrick Road  
P.O. Box 588  
Kempton Park, 1620  
Spartan, Kempton Park  
Tel. + 27 - 11 - 2 30 40 00  
Fax + 27 - 11 - 3 94 12 32  
www.pferd.co.za

## Spain



PFERD-Rüggeberg S.A.  
C/ Jündiz 18  
Pol. Ind. Jündiz  
01015 Vitoria-Gasteiz  
Tel. + 34 - 9 45 - 18 44 00  
Fax + 34 - 9 45 - 18 44 18  
www.pferd.es

## Sweden



PFERD-VSM AB  
Dalénium 37  
Dalénium Hus 224  
181 70 Lidingö  
Tel. + 46 - 8 - 564 72 300  
Fax + 46 - 8 - 564 72 301  
www.pferd-vsm.se

## Switzerland



PFERD-VITEX (Schweiz) AG  
Werkzeuge und Schleifmittel  
Zürichstrasse 38b  
Postfach 22  
8306 Brüttisellen  
Tel. + 41 - 44 - 805 28 28  
Fax + 41 - 44 - 805 28 00  
www.pferd-vitex.ch

## Turkey



PFERD Asindirici Takimler Ltd. Sti.  
Aydintepe Mah.  
Sahilyolu Cad. 25 - 7/D  
34959 Tuzla Istanbul  
Tel: +90 - 216 494 03 00  
Fax: +90 - 216 494 22 11  
www.pferd.com

## U.K.



PFERD LTD.  
4 Westleigh Hall, Wakefield Road  
Denby Dale  
West Yorkshire HD8 8QJ  
Tel. + 44 - 14 84 - 86 61 49  
Fax + 44 - 14 84 - 86 59 38  
www.pferd.ltd.uk