

The Reinforced Grinding Wheel WHISPER

Quiet yet highly aggressive



NEW



- Extremely high machining capacity in a very short grinding time
- Comfortable, low-vibration grinding with little noise development
- Excellent surface quality combined with soft grinding

The Reinforced Grinding Wheel WHISPER

The patented solution for high noise and vibration protection

High noise levels are harmful

A dual carriageway, a plane taking off, pub visitors on the street at night, the basses coming from the festival nearby – almost 70% of the population in Germany feels annoyed due to noise. Scientific studies show that too much noise generally impairs health.

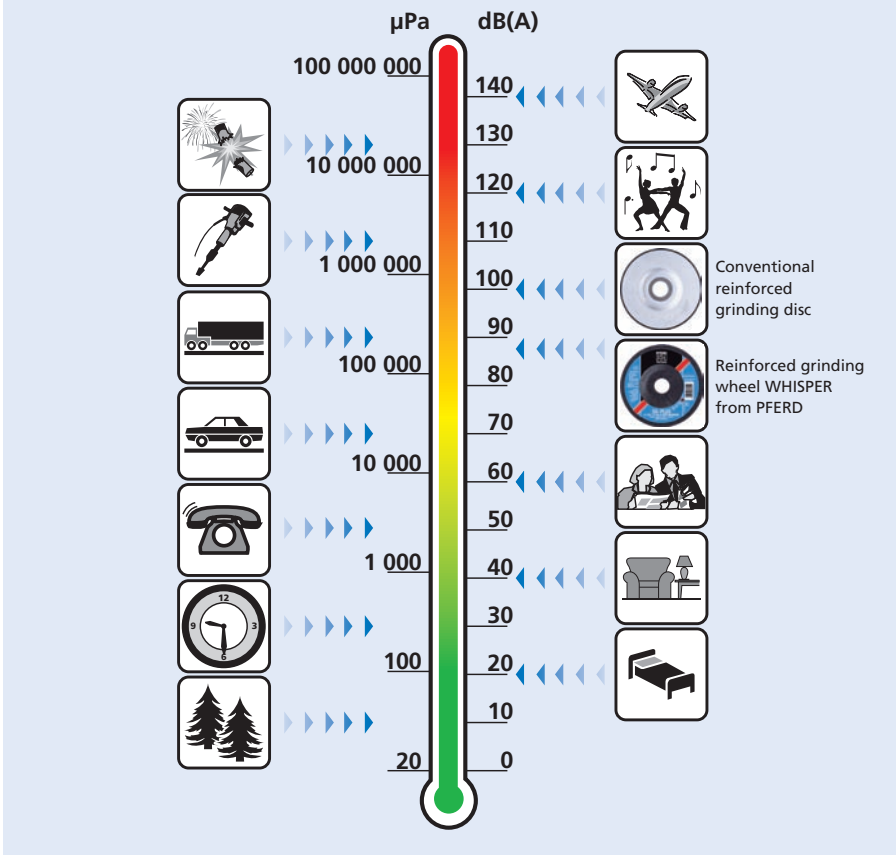
More than five million people in Germany work in areas with potentially damaging noise levels. Circular saws “scream” here, angle grinders “howl” over there, and there’s a pneumatic drill doing some demolition work about ten meters away: noise-induced hearing loss is at the top of the list of occupational illnesses in Germany. And: noise-induced hearing loss cannot be healed.

The EC directive 2003/10/EC regulates the extent to which employees may be exposed to noise. The level limit for the program of technical and/or organizational measures previously valid - 90 dB(A) - was reduced to 85 dB(A).

A change of only 3 dB(A) means doubling or halving the noise-induced risks.

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

Examples of noise pressure levels



High vibration loads are harmful

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

The EC directive 2002/44/EC obliges employers to carry out a health assessment of the vibration load. 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 improvident, the employees affected can claim for damages.

If the trigger value of 2.5 m/s² is exceeded for hand-arm vibrations, the employer is obliged to draw up a plan of action showing how he intends to reduce the load on the workers within which time span. If the limit value 5.0 m/s² is reached for hand-arm vibrations, no further operation with vibration loads is permitted.

Limit values for vibration loads



The new reinforced grinding wheel WHISPER from PFERD significantly reduces the vibration load compared with conventional reinforced grinding discs.

Highly aggressive grinding at low noise and vibration loads with the new reinforced grinding wheel WHISPER from PFERD

As a manufacturer of hand-guided tools, we feel especially obliged to tool users and want to contribute to more safety, health and comfort at work.

PFERD is particularly working on the long-term reduction of noise and vibration levels produced by grinding tools, and on perceptibly increasing convenience for users.

The new reinforced grinding wheel WHISPER achieves significantly lower vibrations (acc. to DIN EN ISO 5349-1+2) and substantially lower noise and dust loads with an impressively higher machining capacity. The flexible tool structure allows soft, comfortable grinding with excellent surface quality.

The reinforced grinding wheel WHISPER is a high-power tool from PFERD which makes unusually high demands on stock removal, surface quality and working comfort.

The patented design contributes to the very soft, quiet grinding characteristic and high degree of working comfort with low vibration, dust and noise levels. No edge splitting in use.

Very high machining capacity from the very start. The increased tool productivity allows substantial savings on labour costs.

The reinforced grinding wheel WHISPER is excellently suitable for users who have a lot of grinding to do and want to produce high-quality finishes economically.

Abrasive: Aluminium oxide A
Grit size: 46

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.

PFERDERGONOMICS recommends the reinforced grinding wheel WHISPER as an innovative tool solution for hard and rough jobs.

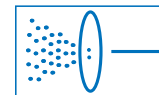
For further information and suitable PFERD tools see the brochure "PFERDERGONOMICS – The focus is on people".



Vibration Filter



Noise Filter





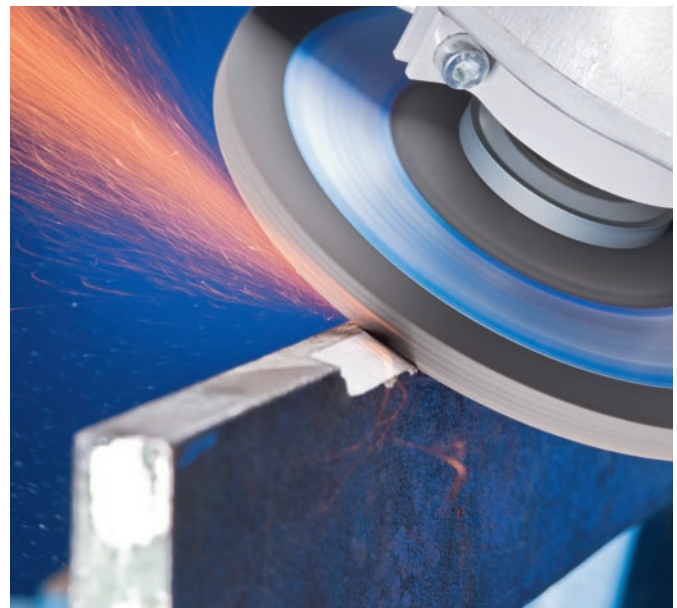
Emission Filter



Haptic Filter



Order No.	EAN 4007220	Grit size	D x T x H [mm (Inch)]	Max. speed [RPM]		
E 115-7 A 46 H SGP-WHISPER	827505	46	115 x 7,4 x 22,23	13.300	10	1,500
E 125-7 A 46 H SGP-WHISPER	827512	46	125 x 7,4 x 22,23	12.200	10	1,800



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