

# The new 1 mm cut-off wheels

A marked increase in performance!



Stainless steel  
**INOX**



**Steel**



**TRUST BLUE**

- The new R SG-INOX cut-off wheel: Ideal for stainless steel!
- The new S SG cut-off wheel: The first choice for steel!
- 30 % longer tool life: Even more fast cuts for maximum economic value

# The new 1 mm cut-off wheels

A marked increase in performance!



## The new S SG cut-off wheel: The first choice for steel!

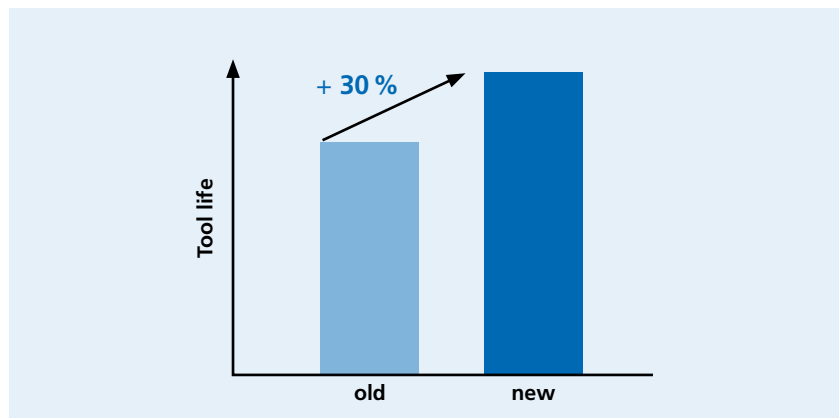
**Steel**

PFERD has further optimized the 1.0 mm S SG cut-off wheels with regard to tool life and handling (N!). Compared to cut-off wheels for steel and stainless steel (INOX), the S SG cut-off wheels for steel offer a significantly longer tool life. Thus, the new generation is the best solution for users who only machine steel.

**Advantages:**

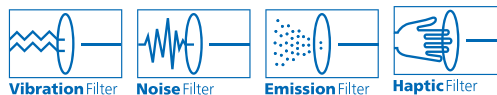
- Even more fast cuts for maximum economic value
- Optimum guidability
- Maximum comfort

### Increase economic value



### PFERDVALUE® – Your added value with PFERD

**PFERDERGONOMICS®** recommends the thin S SG cut-off wheels (< 2.0 mm) to sustainably reduce vibration, noise and dust levels and to improve working comfort.



**PFERDEFFICIENCY®** recommends the thin S SG cut-off wheels (< 2.0 mm) for long, fatigue-free and resource-saving work, with perfect results in the shortest possible time.



High-performance tool of hardness S with high cutting performance and very long tool life.

**Abrasive: Aluminium oxide A**

**Materials to be worked:**

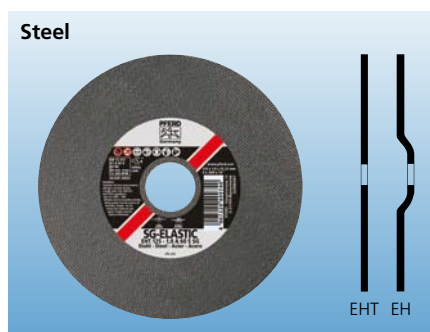
Steel

**Applications:**

Cutting of sheet metal, profiles and solid material

**Recommendations for use:**

- Wheel thicknesses 1.9/1.6/1.0 mm for fast, easy cutting with minimized burr formation
- Wheel thickness 2.4 mm for multipurpose cutting work
- Wheel thicknesses 3.2/3.0/2.9 mm for maximum tool life with high lateral stability
- The use of large clamping flanges (SFS 76, Tool Manual, Catalogue 206, page 48) increases the lateral stability and ensures precise wheel guidance, in particular for thin cut-off wheels of the flat type with dia. 178 and 230 mm



Description	EAN 4007220	EN designation	D x T/U x H [mm (Inch)]	Max. perm. speed [RPM]	
<b>Flat type EHT (shape 41)</b>					
EHT 100-2,4 A 46 S SG/16,0	162590	41 A 46 S BF 80	100 x 2.4 x 16.0 (5/8)	15,300	25
<b>N!</b> EHT 105-1,0 A 60 S SG/16,0	953358	41 A 60 S BF 80	105 x 1.0 x 16.0 (5/8)	14,500	25
<b>N!</b> EHT 115-1,0 A 60 S SG/22,23	499719	41 A 60 S BF 80	115 x 1.0 x 22.23 (7/8)	13,300	25
EHT 115-1,6 A 46 S SG/22,23	522813	41 A 46 S BF 80	115 x 1.6 x 22.23 (7/8)	13,300	25
EHT 115-2,4 A 30 S SG/22,23	162637	41 A 30 S BF 80	115 x 2.4 x 22.23 (7/8)	13,300	25
<b>N!</b> EHT 125-1,0 A 60 S SG/22,23	499740	41 A 60 S BF 80	125 x 1.0 x 22.23 (7/8)	12,200	25
EHT 125-1,6 A 46 S SG/22,23	522691	41 A 46 S BF 80	125 x 1.6 x 22.23 (7/8)	12,200	25
EHT 125-2,4 A 30 S SG/22,23	162231	41 A 30 S BF 80	125 x 2.4 x 22.23 (7/8)	12,200	25
EHT 150-1,6 A 46 S SG/22,23	953365	41 A 46 S BF 80	150 x 1.6 x 22.23 (7/8)	10,200	25
EHT 150-3,0 A 24 S SG/22,23	162248	41 A 24 S BF 80	150 x 3.0 x 22.23 (7/8)	10,200	25
EHT 178-1,6 A 46 S SG/22,23	581155	41 A 46 S BF 80	178 x 1.6 x 22.23 (7/8)	8,600	25
EHT 178-2,9 A 24 S SG/22,23	522639	41 A 24 S BF 80	178 x 2.9 x 22.23 (7/8)	8,600	25
EHT 178-3,2 A 24 S SG/22,23	162347	41 A 24 S BF 80	178 x 3.2 x 22.23 (7/8)	8,600	25
EHT 230-1,9 A 46 S SG/22,23	581162	41 A 46 S BF 80	230 x 1.9 x 22.23 (7/8)	6,600	25
EHT 230-2,9 A 24 S SG/22,23	522677	41 A 24 S BF 80	230 x 2.9 x 22.23 (7/8)	6,600	25
EHT 230-3,2 A 24 S SG/22,23	162422	41 A 24 S BF 80	230 x 3.2 x 22.23 (7/8)	6,600	25
<b>Depressed-centre type EH (shape 42)</b>					
EH 100-2,4 A 46 S SG/16,0	162576	42 A 46 S BF 80	100 x 2.4 x 16.0 (5/8)	15,300	25
EH 115-2,4 A 30 S SG/22,23	162606	42 A 30 S BF 80	115 x 2.4 x 22.23 (7/8)	13,300	25
EH 115-3,2 A 30 S SG/22,23	522424	42 A 30 S BF 80	115 x 3.2 x 22.23 (7/8)	13,300	25
EH 125-2,4 A 30 S SG/22,23	162217	42 A 30 S BF 80	125 x 2.4 x 22.23 (7/8)	12,200	25
EH 125-3,2 A 30 S SG/22,23	522431	42 A 30 S BF 80	125 x 3.2 x 22.23 (7/8)	12,200	25
EH 150-3,0 A 24 S SG/22,23	162255	42 A 24 S BF 80	150 x 3.0 x 22.23 (7/8)	10,200	25
EH 178-2,9 A 24 S SG/22,23	522653	42 A 24 S BF 80	178 x 2.9 x 22.23 (7/8)	8,600	25
EH 178-3,2 A 24 S SG/22,23	162262	42 A 24 S BF 80	178 x 3.2 x 22.23 (7/8)	8,600	25
EH 230-2,9 A 24 S SG/22,23	522684	42 A 24 S BF 80	230 x 2.9 x 22.23 (7/8)	6,600	25
EH 230-3,2 A 24 S SG/22,23	162309	42 A 24 S BF 80	230 x 3.2 x 22.23 (7/8)	6,600	25



# The new 1 mm cut-off wheels

## A marked increase in performance!

### The new R SG-INOX cut-off wheel: Ideal for stainless steel!

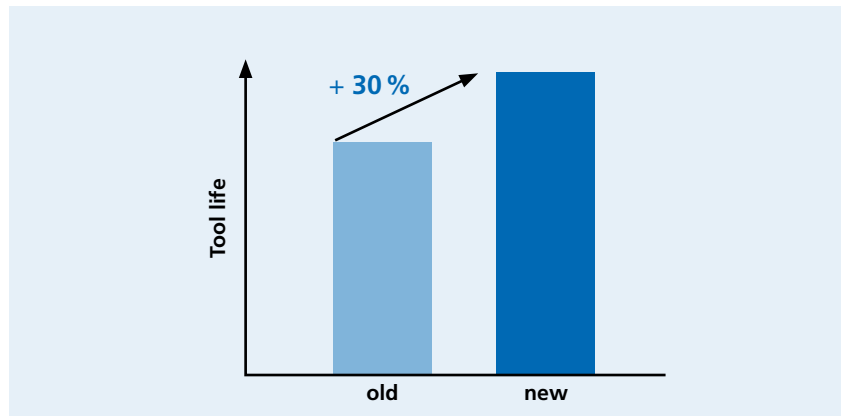
The 1.0 mm R SG-INOX record wheel has been further developed consistently and sets new benchmarks. Due to thorough development work, the performance has been increased significantly (N!).

#### Advantages:

- Even more fast and precise cuts for maximum economic value
- The highest cut quality
- Maximum comfort

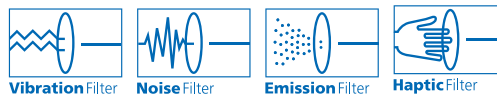
The R SG-INOX cut-off wheel is approved for the most sensitive work areas, e. g. container and reactor construction. The AREVA certification according to AV 9025 03 confirms that it is suitable for KWU class II.

#### Increase economic value



#### PFERDVALUE® – Your added value with PFERD

**PFERDERGONOMICS®** recommends the thin R SG-INOX cut-off wheels (< 2.0 mm) to sustainably reduce vibration, noise and dust levels and to improve working comfort.



**PFERDEFFICIENCY®** recommends the thin R SG-INOX cut-off wheels (< 2.0 mm) for long, fatigue-free and resource-saving work, with perfect results in the shortest possible time.





# The new 1 mm cut-off wheels

A marked increase in performance!

## The PFERDRECORD 2014 – More than 200,000 cuts in only 4 days

The **PFERDRECORD** 2014 already clearly demonstrated the performance of 1 mm R SG-INOX cut-off wheels and the potential savings provided by them. With almost 210,000 cuts, the original aim of 200,000 cuts in just four days was even exceeded and a cutting record was thereby set.

You will find more information about the **PFERDRECORD** at [www.pferd.com](http://www.pferd.com).

Stainless steel  
**INOX**



The fascinated audience watched the first of 200,000 planned cuts.



3 kilometres of INOX tubes were waiting to be cut.



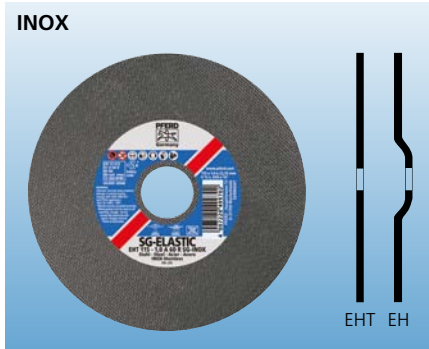
Once the tubes were clamped, the participants in the record did their utmost until...



... only sections were left. In the end, there were even 10,000 more than planned!

# The new 1 mm cut-off wheels

A marked increase in performance!



High-performance tool of hardness R (INOX) with high cutting performance and very long tool life for reduced heat build-up during cutting.

**Abrasive: Aluminium oxide A**

Manufactured without addition of ferrous, chlorinated and sulphurous fillers.

**Materials to be worked:**


Stainless steel (INOX), steel

**Recommendations for use:**

Cutting of sheet metal, profiles and solid material

**Anwendungsempfehlungen:**

- Wheel thicknesses 1.9/1.6/1.0 mm for fast, easy cutting with minimized burr formation
- Wheel thicknesses 2.5/2.4/2.0 mm for multipurpose cutting work
- Wheel thickness 3.2 mm for maximum tool life with high lateral stability
- The use of large clamping flanges (SFS 76, Tool Manual, Catalogue 206, page 48) increases the lateral stability and ensures precise wheel guidance, in particular for thin cut-off wheels of the flat type with dia. 178 and 230 mm

Description	EAN 4007220	EN designation	D x T/U x H [mm (Inch)]	Max. perm. speed [RPM]	
<b>Flat type EHT (shape 41)</b>					
<b>N!</b> EHT 100-1,0 A 60 R SG-INOX/16,0	511787	41 A 60 R BF 80	100 x 1.0 x 16.0 (5/8)	15,300	25
<b>N!</b> EHT 105-1,0 A 60 R SG-INOX/16,0	953372	41 A 60 R BF 80	105 x 1.0 x 16.0 (5/8)	14,500	25
EHT 105-1,3 A 60 R SG-INOX/16,0	953396	41 A 60 R BF 80	105 x 1.3 x 16.0 (5/8)	14,500	25
<b>N!</b> EHT 115-1,0 A 60 R SG-INOX/22,23	499702	41 A 60 R BF 80	115 x 1.0 x 22.23 (7/8)	13,300	25
EHT 115-1,6 A 46 R SG-INOX/22,23	355442	41 A 46 R BF 80	115 x 1.6 x 22.23 (7/8)	13,300	25
EHT 115-2,0 A 46 R SG-INOX/22,23	953402	41 A 46 R BF 80	115 x 2.0 x 22.23 (7/8)	13,300	25
EHT 115-2,4 A 46 R SG-INOX/22,23	522851	41 A 46 R BF 80	115 x 2.4 x 22.23 (7/8)	13,300	25
<b>N!</b> EHT 125-1,0 A 60 R SG-INOX/22,23	499733	41 A 60 R BF 80	125 x 1.0 x 22.23 (7/8)	12,200	25
EHT 125-1,6 A 46 R SG-INOX/22,23	355459	41 A 46 R BF 80	125 x 1.6 x 22.23 (7/8)	12,200	25
EHT 125-2,0 A 46 R SG-INOX/22,23	953419	41 A 46 R BF 80	125 x 2.0 x 22.23 (7/8)	12,200	25
EHT 125-2,4 A 46 R SG-INOX/22,23	522875	41 A 46 R BF 80	125 x 2.4 x 22.23 (7/8)	12,200	25
EHT 150-1,6 A 46 R SG-INOX/22,23	581179	41 A 46 R BF 80	150 x 1.6 x 22.23 (7/8)	10,200	25
EHT 178-1,6 A 46 R SG-INOX/22,23	807729	41 A 46 R BF 80	178 x 1.6 x 22.23 (7/8)	8,600	25
EHT 178-2,5 A 24 R SG-INOX/22,23	162378	41 A 24 R BF 80	178 x 2.5 x 22.23 (7/8)	8,600	25
EHT 230-1,9 A 46 R SG-INOX/22,23	807736	41 A 46 R BF 80	230 x 1.9 x 22.23 (7/8)	6,600	25
EHT 230-2,5 A 24 R SG-INOX/22,23	162446	41 A 24 R BF 80	230 x 2.5 x 22.23 (7/8)	6,600	25
EHT 230-3,2 A 24 R SG-INOX/22,23	475690	41 A 24 R BF 80	230 x 3.2 x 22.23 (7/8)	6,600	25
<b>Depressed-centre type EH (shape 42)</b>					
EH 115-2,4 A 46 R SG-INOX/22,23	162613	42 A 46 R BF 80	115 x 2.4 x 22.23 (7/8)	13,300	25
EH 115-3,2 A 46 R SG-INOX/22,23	522868	42 A 46 R BF 80	115 x 3.2 x 22.23 (7/8)	13,300	25
EH 125-2,4 A 46 R SG-INOX/22,23	162651	42 A 46 R BF 80	125 x 2.4 x 22.23 (7/8)	12,200	25
EH 125-3,2 A 46 R SG-INOX/22,23	522882	42 A 46 R BF 80	125 x 3.2 x 22.23 (7/8)	12,200	25
EH 178-2,5 A 24 R SG-INOX/22,23	162279	42 A 24 R BF 80	178 x 2.5 x 22.23 (7/8)	8,600	25
EH 230-2,5 A 24 R SG-INOX/22,23	162316	42 A 24 R BF 80	230 x 2.5 x 22.23 (7/8)	6,600	25



# More than 2,000,000 workers can't be wrong

1.0 & 1.6 mm



TRUST BLUE

## The thin wheels from PFERD

Millions of workers trust blue and choose the thin wheels from PFERD. The PFERD range offers **thin cut-off wheels** in various types and therefore a suitable tool solution for every application – ergonomically optimized, efficient and up to the **highest safety level**.

**Our thank-you gift for all professionals:** Request **2 cut-off wheels & 1 PFERD cap** online for free and choose the **ideal thin tool** for your application.

The offer is valid as long as stock lasts.

Information about our innovative products and services can be found on our website.



[www.pferd.com](http://www.pferd.com)



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