

Electroplated diamond cut-off wheels with grit size D 852 are exceptionally well-suited to machine grey cast iron and nodular cast iron (GG and GGG or GJL and GJS).


Advantages:

- Very long tool life
- Ideal for work on deep-lying areas because of the constant tool diameter
- Easy and quick elimination of burning-in
- Minimized dust formation due to wear-resistant coating and coarse chips

Ordering example:
 EAN 4007220956021
 D1A1R 230-3.8-22.23 D 852 GAD

PFERDERGONOMICS®:



Description	EAN 4007220	D [mm]	Cutting width T [mm]	Blade thickness E [mm]	Centre hole dia. H [mm]	Grit size	Shape	Protective segments per side	
Grey and nodular cast iron (GG and GGG or GJL and GJS)									
D1A1R 230-3,8-22,23 D 852 GAD	956021	230	3.8	1.8	22.23	D 852	D	none	1
D1A1R 400-4,5-40,0 D 852 GAD	947449	400	4.5	2.5	40	D 852	D	none	1



The use of the clamping flange set SFS 76 reduces noise development during manual grinding. It can be used with the diamond cut-off wheel D1A1R 230-3.8-22.23 D 852 GAD on angle grinders with M14 thread.

Ordering data and more detailed information about the clamping flange set can be found in Catalogue 206.



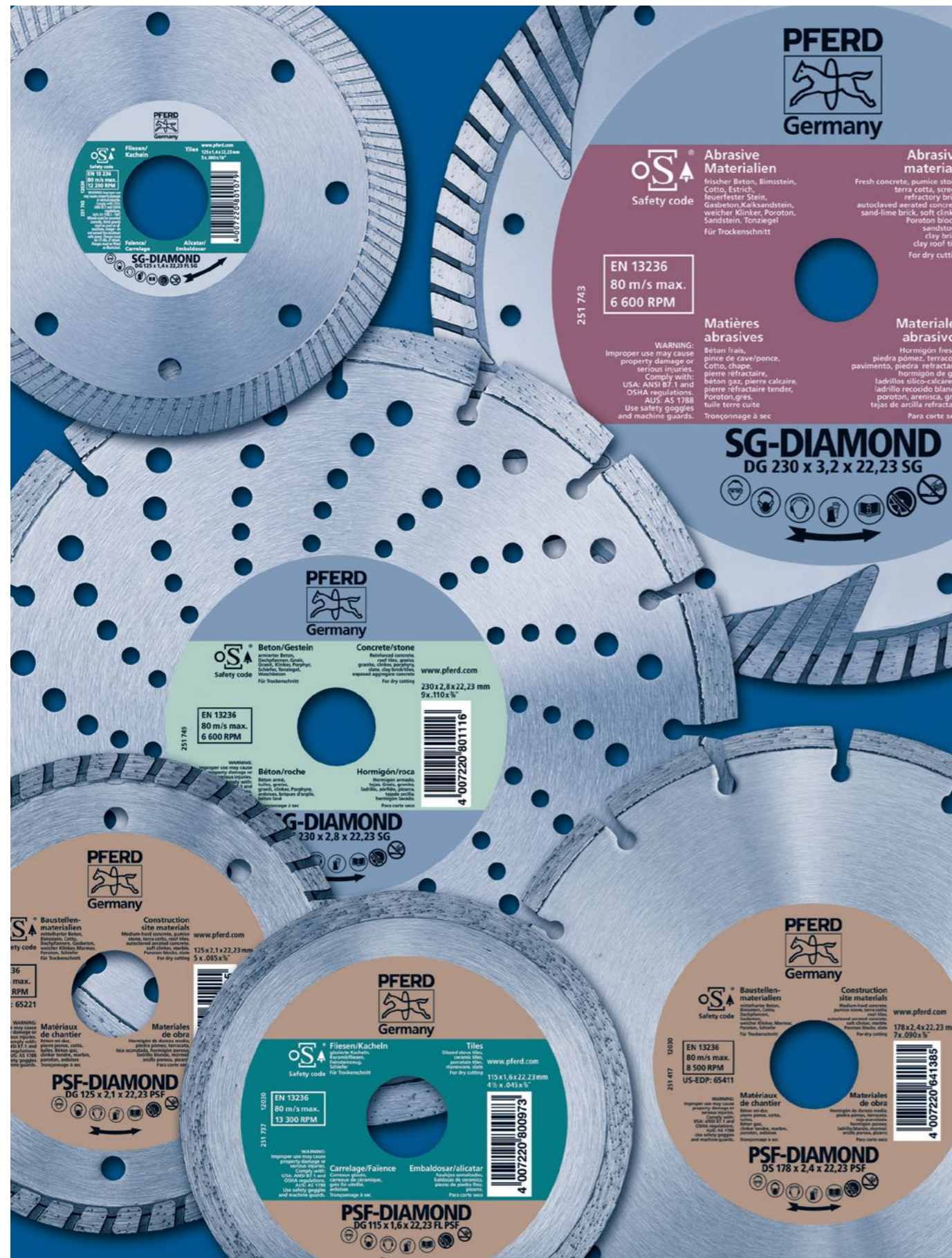
PFERDVIDEO

You will receive more information here or at www.pferd.com

Customer-specific tool solutions for grey and nodular cast iron



More information about customer-specific tool solutions can be found on page 10.



PFERD diamond cut-off wheels are manufactured in compliance with the highest quality and safety standards. They guarantee the best cutting results and allow economic work on diverse materials, such as concrete, exposed aggregate concrete, clinker, hard stone, granite or other abrasive construction materials. The wide product range offers the best tool for every application.

PFERD diamond cut-off wheels are characterized by:

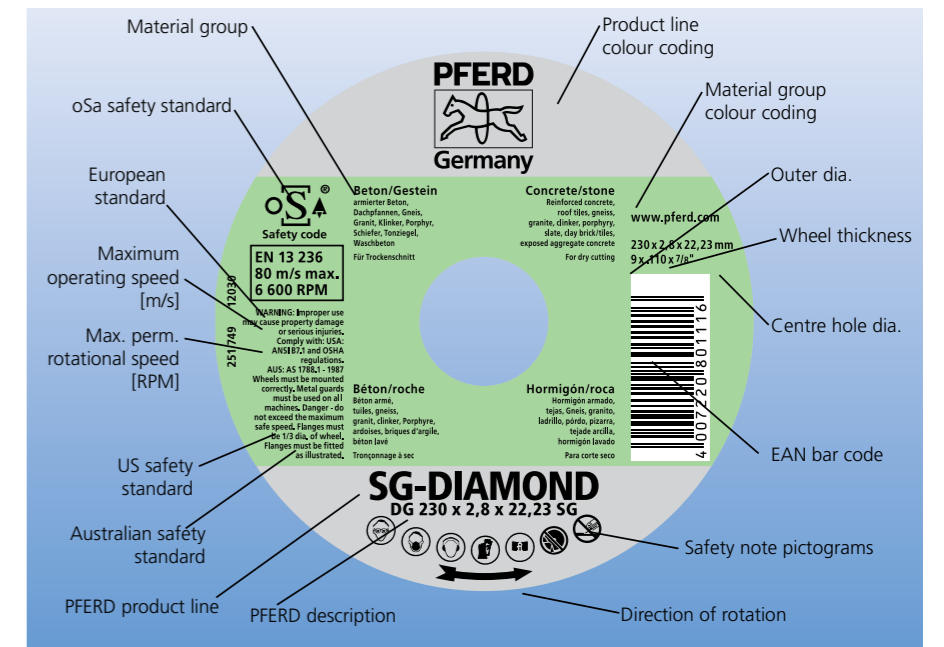
- First-rate diamond qualities
- Excellent cutting characteristics and short cutting times
- Long tool life
- Excellent cutting ease
- High economic value

PFERD quality is certified according to ISO 9001.

PFERD description
DG 230 x 2.8 x 22.23 SG
1 2 3 4 5

- 1 **Description and shape of the tool**
DS = Diamond, segmented type
DG = Diamond, continuous rim type for flags and tiles
- 2 **Outer diameter**
Outer dia. D in [mm]
- 3 **Wheel thickness**
Wheel thickness T in [mm]
- 4 **Centre hole diameter**
Centre hole dia. H in [mm]
- 5 **PFERD product line**
Universal Line PSF
Performance Line SG

The PFERD description corresponds to the designation conforming to EN 13236.



Colour coding of the two product lines and materials to be worked

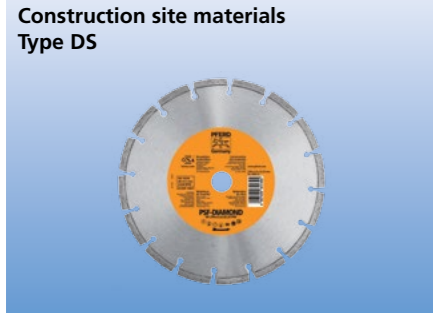
PFERD diamond cut-off wheels for diverse cutting applications in construction work, crafts and industry are available in two product lines with diverse special features:

Universal Line PSF		Performance Line SG	
General use in construction, crafts and industry		Widest range of tools for professional use in construction, crafts and industry	
Material = Colour	Page	Material = Colour	Page
Construction site materials = orange	66	Abrasive materials = signal red	68
Flags/tiles = dark green	66	Concrete/stone = light green	67
		Flags/tiles = dark green	68

The fast way to the best tool

Starting with the application 1 and material 2, the overview shows the various types of tools in the PFERD range and helps you to find the best tool. For information on tool drives, please refer to the respective catalogue page.

Application	Material 2		Material 2		Material 2		Material 2	
	Type	Page	Type	Page	Type	Page	Type	Page
Aggressive, fast cutting	DS PSF	66	-	-	DS SG	67	-	-
	DG PSF	66	DG SG	68	-	-	DG FL PSF	68
Easy cutting with high-quality cut	-	-	-	-	-	-	DG FL SG	68



Multipurpose segmented-edge tool for aggressive, fast cutting with high cutting performance and long tool life.

Abrasive: Diamond D

Materials to be worked:
Construction site materials

Applications:
Aggressive, fast cutting of solid material

Recommendations for use:
■ Suitable for use on angle grinders of all output categories

Description	EAN 4007220	D [mm]	H [mm]	H [inch]	Width T [mm]	Segment height X [mm]	Max. perm. speed [RPM]	
DS 115 x 2,2 x 22,23 PSF	641361	115	22.23	7/8	2.2	7	13,300	1
DS 125 x 2,2 x 22,23 PSF	641378	125	22.23	7/8	2.2	7	12,200	1
DS 178 x 2,4 x 22,23 PSF	641385	178	22.23	7/8	2.4	7	8,500	1
DS 230 x 2,4 x 22,23 PSF	641392	230	22.23	7/8	2.4	7	6,600	1



Multipurpose continuous-edge tool for easy cutting with high cutting performance and long tool life.

Abrasive: Diamond D

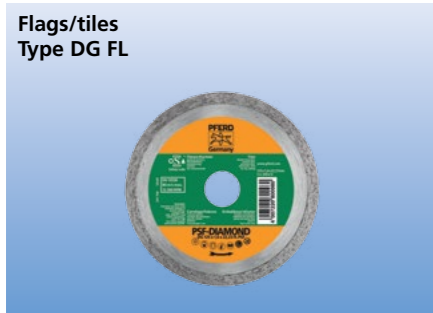
Materials to be worked:
Construction site materials

Applications:
Easy cutting of solid material with high cutting quality

Recommendations for use:
■ Suitable for use on angle grinders of all output categories



Description	EAN 4007220	D [mm]	H [mm]	H [inch]	Width T [mm]	Segment height X [mm]	Max. perm. speed [RPM]	
DG 115 x 2,1 x 22,23 PSF	641408	115	22.23	7/8	2.1	7	13,300	1
DG 125 x 2,1 x 22,23 PSF	641415	125	22.23	7/8	2.1	7	12,200	1
DG 178 x 2,4 x 22,23 PSF	641422	178	22.23	7/8	2.4	7	8,500	1
DG 230 x 2,6 x 22,23 PSF	641439	230	22.23	7/8	2.6	7	6,600	1



Multipurpose continuous-edge tool for cutting without edge breakages on workpieces with high-quality surfaces. High cutting performance and long tool life.

Abrasive: Diamond D

Materials to be worked:
Flags, tiles

Applications:
Easy cutting of flags and tiles with high cutting quality

Recommendations for use:
■ Suitable for use on angle grinders of all output categories

Description	EAN 4007220	D [mm]	H [mm]	H [inch]	Width T [mm]	Segment height X [mm]	Max. perm. speed [RPM]	
DG 115 x 1,6 x 22,23 FL PSF	800973	115	22.23	7/8	1.6	7	13,300	1
DG 125 x 1,6 x 22,23 FL PSF	800980	125	22.23	7/8	1.6	7	12,200	1



High-performance segmented-edge tool for aggressive, fast cutting of hard materials with high cutting performance and very long tool life.

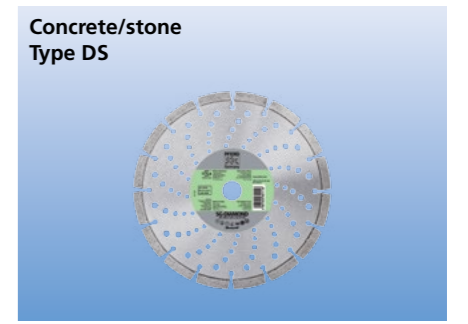
Abrasive: Diamond D

Materials to be worked:
Reinforced concrete, roofing tiles, gneiss, granite, clinker, porphyry, slate, clay tile, exposed aggregate concrete, hard concrete, concrete blocks, concrete pipes

Applications:
Aggressive, fast cutting of solid material

Recommendations for use:
■ The maximum operating speed for diamond cut-off wheels DS with dia. 300 to 400 mm is 100 m/s
■ Suitable for use on angle grinders of all output categories

Ordering note:
All diamond cut-off wheels with centre hole dia. 25.4 mm are supplied with reducing ring to 22.23 mm for use on angle grinders.



Description	EAN 4007220	D [mm]	H [mm]	H [inch]	Width T [mm]	Segment height X [mm]	Max. perm. speed [RPM]	
DS 115 x 2,4 x 22,23 SG	801086	115	22.23	7/8	2.4	10	13,300	1
DS 125 x 2,4 x 22,23 SG	801093	125	22.23	7/8	2.4	10	12,200	1
DS 178 x 2,6 x 22,23 SG	801109	178	22.23	7/8	2.6	10	8,500	1
DS 230 x 2,8 x 22,23 SG	801116	230	22.23	7/8	2.8	10	6,600	1
DS 300 x 2,8 x 20,0 SG	801123	300	20.0	-	2.8	10	6,400	1
DS 300 x 2,8 x 25,4 SG	801147	300	25.4 (22.23)	1 (7/8)	2.8	10	6,400	1
DS 350 x 2,8 x 20,0 SG	801154	350	20.0	-	2.8	10	5,400	1
DS 350 x 2,8 x 25,4 SG	801161	350	25.4 (22.23)	1 (7/8)	2.8	10	5,400	1
DS 400 x 3,2 x 25,4 SG	801178	400	25.4 (22.23)	1 (7/8)	3.2	10	4,800	1

Special accessories for sharpening or reconditioning cutting segments.
Type with soft polyurethane bond.

Abrasive: Silicon carbide C

Recommendations for use:
■ PFERD diamond cut-off wheels can be resharpened or reconditioned, as required, by cutting off thin slices with the sharpening block

Sharpening block



Description	EAN 4007220	Grit size	Dimensions [mm]	
DSB 2005025	168332	80	200 x 25 x 50.0	1



Diamond cut-off wheels

Performance Line SG

Abrasive materials Type DG



High-performance continuous-edge tool for easy cutting with high cutting performance and very long tool life.

Abrasive: Diamond D

Materials to be worked:


Fresh concrete, pumice, cotto, screed, fire-resistant stone, aerated concrete, lime malm brick, soft clinker, poroton, sandstone, clay tile

Applications:

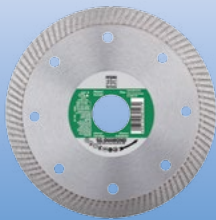
Easy cutting of solid material with high cutting quality

Recommendations for use:

- Suitable for use on angle grinders of all output levels

Description	EAN 4007220	D [mm]	H [mm]	H [inch]	Width T [mm]	Segment height X [mm]	Max. perm. speed [RPM]	
DG 115 x 2,2 x 22,23 SG	801000	115	22.23	7/8	2.2	8	13,300	1
DG 125 x 2,2 x 22,23 SG	801024	125	22.23	7/8	2.2	8	12,200	1
DG 178 x 2,5 x 22,23 SG	801031	178	22.23	7/8	2.5	8	8,500	1
DG 230 x 2,8 x 22,23 SG	801048	230	22.23	7/8	2.8	8	6,600	1

Flags/tiles Type DG FL



High-performance continuous-edge tool for cutting without edge breakages on workpieces with high-quality surfaces. High cutting performance and very long tool life.

Abrasive: Diamond D

Materials to be worked:


Glazed tiles, ceramic tiles, stoneware, slate

Applications:

Easy cutting of flags and tiles with high cutting quality

Recommendations for use:

- Suitable for use on angle grinders of all output levels

Description	EAN 4007220	D [mm]	H [mm]	H [inch]	Width T [mm]	Segment height X [mm]	Max. perm. speed [RPM]	
DG 115 x 1,4 x 22,23 FL SG	801055	115	22.23	7/8	1.4	8	13,300	1
DG 125 x 1,4 x 22,23 FL SG	801079	125	22.23	7/8	1.4	8	12,200	1

