

PFERD offers a very wide range of high-quality bench grinding wheels for working with a large variety of materials and for many different applications.

Bench grinding wheels are available with different dimensions, grains and abrasives. The PFERD range has been adapted to the standard bench grinders on the market.

### Advantages:

- Long tool life.
- High dimensional stability.
- High abrasive performance.
- Integrated adapter sleeves for mounting on almost any bench grinder spindle.

### Applications:

- Deburring
- Work on edges (chamfering, rounding)
- Sharpening

### Recommendations for use:

- Dressing the wheel on a regular basis exposes sharp grain and maintains an even grinding area.
- Constantly adjust the workpiece support to the grinding wheel diameter (gap width max. 3 mm).

### Matching tool drives:

- Bench grinders

### Ordering notes:

- Please complete the description with the desired grit size.

### Safety notes:

- The maximum permitted peripheral speed is 35 m/s.
- For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.
- Before clamping, the grinding tool must be ring tested to make sure that it does not have any cracks (undamaged grinding tools give a clear tone).



= Wear eye protection!



= Wear a dust mask!



= Wear hearing protection!



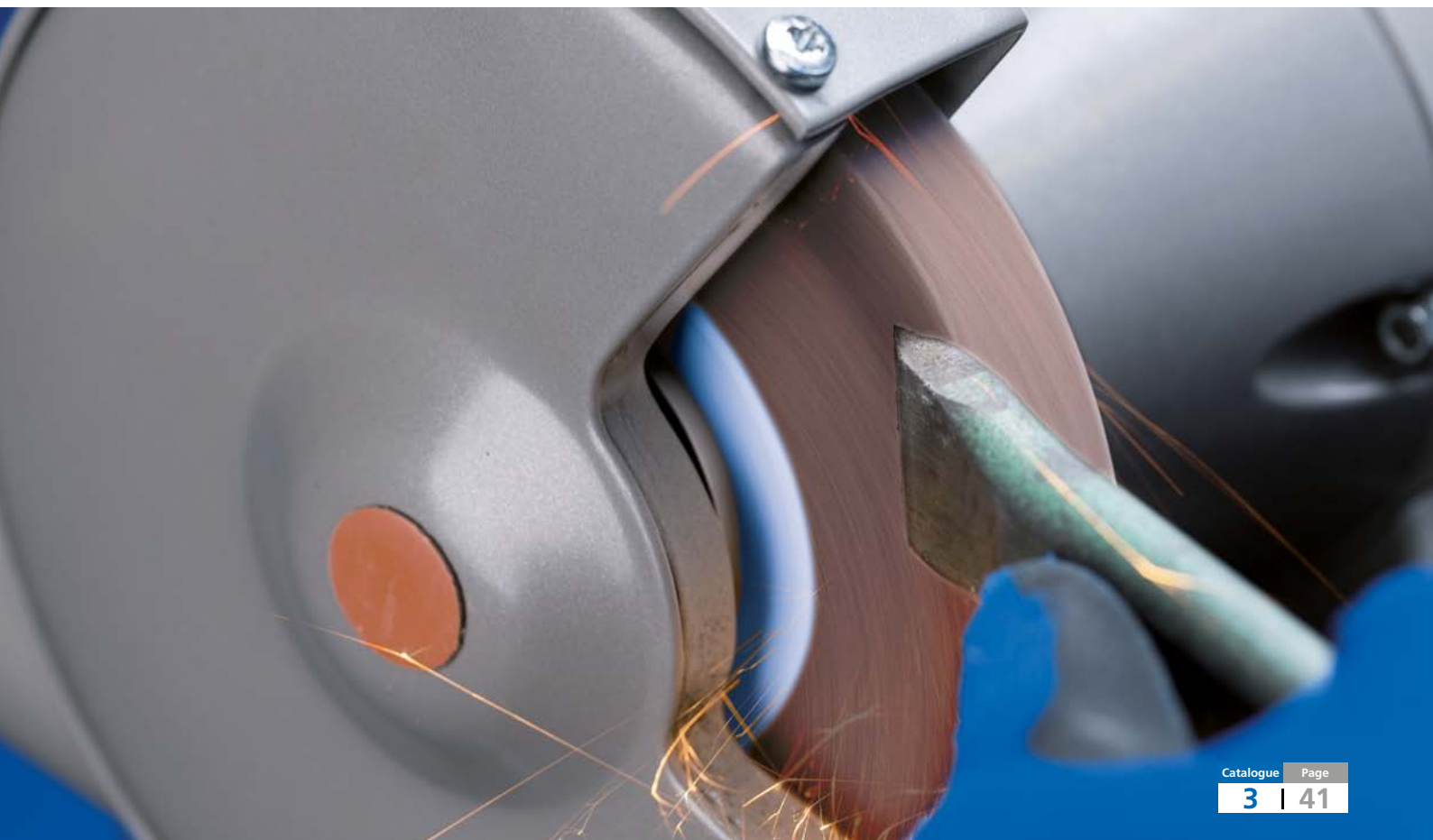
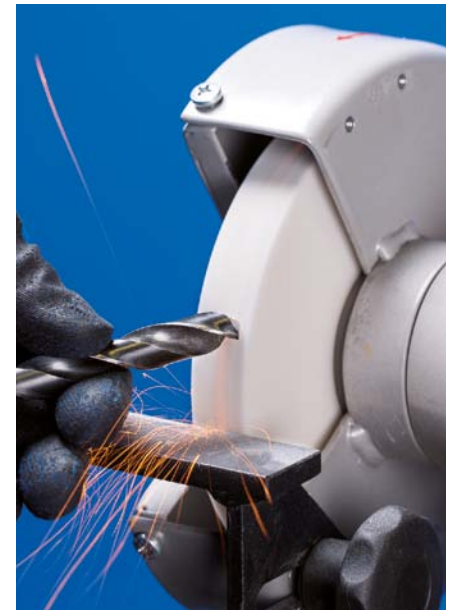
= Wear gloves!



= Follow the safety instructions!



= Do not use if damaged!



# Bench grinding wheels

## UNIVERSAL, HSS, CARBIDE



### UNIVERSAL type

UNIVERSAL type bench grinding wheels are ideal for universal use in the workshop.



#### Materials that can be worked:

steel, cast steel, stainless steel (INOX), cast iron

#### Type:

Vitrified bond, regular aluminium oxide, hardness grade: Q (grit size 24), P (grit size 36), M (grit size 60), structural density: 5 (grit size 24 and 36), 6 (grit size 60)

D x T [mm]	H [mm]	Grit size			Reductions	Max. RPM		Description
		24	36	60				
EAN 4007220								

#### Aluminium oxide, regular (AN)

125 x 20	32	-	037904	037997	25/20/16	5,350	1	BW 12520-32 AN ... UNIVERSAL
150 x 16	32	610138	-	610145	25/20/16	4,500	1	BW 15016-32 AN ... UNIVERSAL
150 x 20	32	610176	037911	610183	25/20/16	4,500	1	BW 15020-32 AN ... UNIVERSAL
150 x 25	32	610213	-	610220	25/20/16	4,500	1	BW 15025-32 AN ... UNIVERSAL
175 x 25	32	-	037928	038000	25/20/16	3,750	1	BW 17525-32 AN ... UNIVERSAL
	51	-	037935	038017	32	3,750	1	BW 17525-51 AN ... UNIVERSAL
200 x 20	32	610305	-	610312	25/20/16	3,350	1	BW 20020-32 AN ... UNIVERSAL
200 x 25	32	610350	037942	610367	25/20/16	3,350	1	BW 20025-32 AN ... UNIVERSAL
	51	-	037959	038024	32	3,350	1	BW 20025-51 AN ... UNIVERSAL
200 x 30	32	612378	-	610398	25/20/16	3,350	1	BW 20030-32 AN ... UNIVERSAL
200 x 32	51	-	037966	038031	32	3,350	1	BW 20032-51 AN ... UNIVERSAL
250 x 32	51	-	037973	038048	32	2,700	1	BW 25032-51 AN ... UNIVERSAL
300 x 40	76	-	037980	038062	-	2,250	1	BW 30040-76 AN ... UNIVERSAL



### HSS type


HSS type bench grinding wheels are particularly useful for sharpening HSS pilot drills or machining other high-alloy steels.

#### Materials that can be worked:

tool steels, case-hardened steels, hardened, heat-treated steels over 1,200 N/mm<sup>2</sup> (> 38 HRC)

#### Type:

Vitrified bond, white aluminium oxide, hardness grade: K, structural density: 7

D x T [mm]	H [mm]	Grit size		Reductions	Max. RPM		Description
		60	80				
EAN 4007220							

#### Aluminium oxide (AW)

125 x 20	32	-	037812	25/20/16	5,350	1	BW 12520-32 AW ... HSS
150 x 16	32	610152	-	25/20/16	4,500	1	BW 15016-32 AW ... HSS
150 x 20	32	610190	037829	25/20/16	4,500	1	BW 15020-32 AW ... HSS
150 x 25	32	610237	-	25/20/16	4,500	1	BW 15025-32 AW ... HSS
175 x 25	32	-	037836	25/20/16	3,750	1	BW 17525-32 AW ... HSS
	51	-	037843	32	3,750	1	BW 17525-51 AW ... HSS
200 x 20	32	610329	-	25/20/16	3,350	1	BW 20020-32 AW ... HSS
200 x 25	32	610374	037850	25/20/16	3,350	1	BW 20025-32 AW ... HSS
	51	-	037867	32	3,350	1	BW 20025-51 AW ... HSS
200 x 30	32	612385	-	25/20/16	3,350	1	BW 20030-32 AW ... HSS
200 x 32	51	-	037874	32	3,350	1	BW 20032-51 AW ... HSS
250 x 32	51	-	037881	32	2,700	1	BW 25032-51 AW ... HSS
300 x 40	76	-	037898	-	2,250	1	BW 30040-76 AW ... HSS