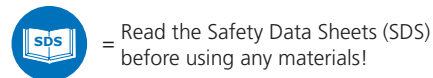
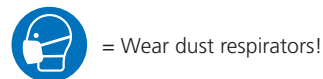
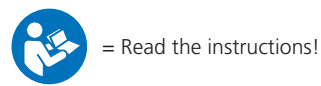
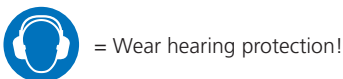
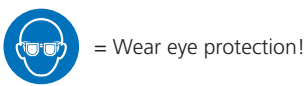


Bench grinding wheels

Vitrified bond, aluminum oxide

Safety recommendations

- The maximum speed is calculated in accordance with ANSI B7.1.
- Never exceed the maximum RPM listed on wheel labels.
- **CAUTION:** Smaller spindles frequently run at higher RPMs.
- Prior to mounting, all wheels shall be visually inspected for damage and cracks.
- Perform the ring test before mounting. An undamaged wheel will give a clear tone.



Steel/ferrous metals Aluminum oxide



PFERD bench grinding wheels are made of regular aluminum oxide in a vitrified bond. These products are particularly suited for high-speed steel (HSS), steel, cast steel and cast iron.

Advantage


High performance on a multitude of materials.

Application examples

- Deburring at semi-finished steel and cast products.
- Regrinding and sharpening of HSS tools like drills and turning tools.
- Various maintenance applications.

Recommendations for use

- All bench wheels are packed with telescoping bushings to accommodate popular machine spindle sizes.
- If a bench grinding wheel starts to show signs of loading, use dressing stones on page 28.
- Suitable tool drives are bench and pedestal grinders.

Diameter (D) [Inches]	Thickness nominal (T) [Inches]	Bore (H) [Inches]	Included bushings	Grit size and EDP number					Max. RPM	
				24	36	46	60	80		
Flat (type 1)										
6	1/2	1	3/4, 5/8, 1/2	-	-	-	61736	-	4,140	1
6	3/4	1	3/4, 5/8, 1/2	61738	61739	61740	61741	61742	4,140	1
6	1	1	3/4, 5/8, 1/2	61743	61744	61745	61746	61747	4,140	1
7	1	1	3/4, 5/8, 1/2	61753	61754	61755	61756	61757	3,600	1
8	1	1-1/4	1	61763	61764	61765	61766	61767	3,600	1
10	1	1-1/4	1	61768	61769	61770	61771	61772	2,400	1
10	1-1/2	1-1/4	1	61773	61774	-	61776	-	2,400	1
12	2	1-1/2	1-1/4	61778	61779	61780	61781	-	2,070	1
14	2	1-1/2	1-1/4	61782	61783	-	61784	-	1,800	1



PFERD bench grinding wheels are made of green silicon carbide in a vitrified bond. These products are particularly suited for carbide and non-ferrous metals like titanium.

Advantages

- Very good self-sharpening performance.
- Long service life because of hard silicon carbide.
- High stock removal rate.

Application example

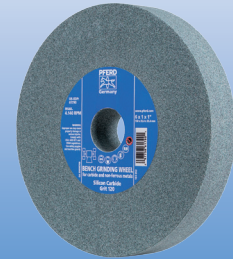
Removing of burrs


- Sharpening of carbide tools like drills, mills or disposable tips.
- Various maintenance applications.
- Dressing diamond tools for tool-grinding machines.

Recommendations for use

- All bench wheels are packed with telescoping bushings to accommodate popular machine spindle sizes.
- If a bench grinding wheel starts to show signs of loading, use dressing stones on page 28.
- Suitable tool drives are bench and pedestal grinders.

Carbide/non-ferrous metals/masonry Silicon carbide



Diameter (D) [Inches]	Thickness nominal (T) [Inches]	Bore (H) [Inches]	Included bushings	Grit size and EDP number			Max. RPM	
				60	80	120		
Flat (type 1)								
6	3/4	1	3/4, 5/8, 1/2	61785	61786	61787	4,140	1
6	1	1	3/4, 5/8, 1/2	61788	61789	61790	4,140	1
7	1	1	3/4, 5/8, 1/2	61791	61792	61793	3,600	1
8	1	1-1/4	1	61794	61795	61796	3,600	1
10	1	1-1/4	1	61797	61798	61799	2,400	1

