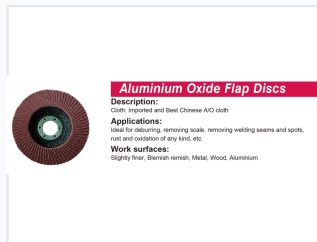


Abrasive Flap Disc

Abrasive flap discs are used for grinding, polishing, and finishing materials. They consist of overlapping abrasive flaps bonded to a backing plate.



ADDITIONAL IMAGES



Overview

Professional Abrasive Flap Discs

These high-performance abrasive flap discs are engineered for professional grinding, deburring, polishing, and finishing applications. Designed for use with portable electric angle grinders, they offer exceptional versatility across industries like steel construction, shipbuilding, and automotive manufacturing. With a wide range of abrasive grains and backing materials available, these discs ensure long service life, high efficiency, and consistent performance.

Available Types



A wide selection of flap discs tailored for specific grinding and polishing needs, from heavy-duty Zirconium Oxide to precision Silicon Carbide.

Abrasive Variants

Aluminium Oxide, High Temperature Aluminium Oxide, Zirconium Oxide, Silicon Carbide, Dual-Flaps, Vertical Flap, Radial Blade, Diamantine, Non-Woven, Wool Buffing Wheel

Technical Specifications

Technical Specification

Disc Size	Disc Type	Disc Material	Disc Thickness	Disc Weight	Disc RPM
100x16	T27	Fiberglass	16mm	0.15kg	15300
100x16	T29	Fiberglass	16mm	0.15kg	15300
115x22	T27	Fiberglass	22mm	0.25kg	13300
115x22	T29	Fiberglass	22mm	0.25kg	13300
125x22	T27	Fiberglass	22mm	0.35kg	12200
125x22	T29	Fiberglass	22mm	0.35kg	12200
150x22	T27	Fiberglass	22mm	0.55kg	10200
150x22	T29	Fiberglass	22mm	0.55kg	10200
180x22	T27	Fiberglass	22mm	0.85kg	8500
180x22	T29	Fiberglass	22mm	0.85kg	8500

Backing Design

The backing design is crucial for the performance of the flap disc. It determines the flexibility and the way the abrasive grains are exposed during grinding.

Materials For Backing

The backing material is chosen based on the application and the required performance. Common materials include fiberglass, plastic, nylon, and metal.

Applications

Flap discs are used for a wide range of grinding applications, including surface preparation, deburring, and finishing of various materials.

Advantages

Flap discs offer several advantages over other grinding methods, such as long life, low noise, and high efficiency.

Technical overview of available backing materials and performance metrics for professional grinding operations.

Dimensions & Performance

Size (mm)	Size (inch)	Max RPM
100x16	4"x5/8"	15300
115x22	4 1/2"x7/8"	13300
125x22	5"x7/8"	12200
150x22	6"x7/8"	10200
180x22	7"x7/8"	8500

Grit Range: 24-400

Max Peripheral Speed: 80 m/s

Design & Construction

Vertical Flap Discs

Vertical flap discs are designed for grinding on irregular and parabolic surfaces. They feature a vertical backing that allows for effective grinding on these shapes.

Radial Blade Discs

Radial blade discs are used for grinding on curved surfaces. The radial blades provide a consistent grinding action across the entire surface.

Diamondine Flap Discs

Diamondine flap discs are made of diamond abrasive material. They are used for grinding on hard materials and provide a long life.

Non-Woven Flap Discs

Non-woven flap discs are made of a non-woven fabric backing. They are used for grinding on various materials and provide a good balance of performance and cost.

Wood Duffing Wheels

Wood duffing wheels are used for grinding on wood. They are made of a soft material that allows for a smooth and controlled grinding process.

Specialized disc geometries like vertical and radial blades allow for effective grinding on irregular and parabolic surfaces.

Backing Options

- Fiberglass (T27/T29)
- Plastic
- Nylon
- Alloyed HUB
- Metallic Flange

Key Advantages

Long life • Low noise • No vibration • High efficiency • Maximum utilization • No burning

Applications

Common Applications

- Aggressive metal surface flatting
- Butt welded seams grinding
- Convex surface dressing
- Edge deburring
- Welding spots removal
- Rust cleaning

Target Industries

Steel Construction, Automotive Manufacturing, Ship Building, Machine Parts Construction