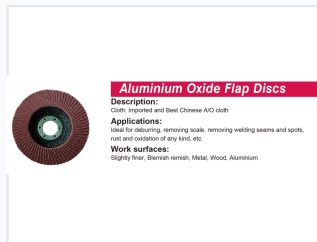


# Abrasive Flap Disc

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

Model	Grain	Backing	Max RPM	Max Speed
T27	T27	Fiberglass	15300	80
T29	T29	Fiberglass	13300	80
T27	T27	Plastic	15300	80
T29	T29	Plastic	13300	80
T27	T27	Nylon	15300	80
T29	T29	Nylon	13300	80
T27	T27	Alloyed HUB	15300	80
T29	T29	Alloyed HUB	13300	80
T27	T27	Metallic Flange	15300	80
T29	T29	Metallic Flange	13300	80

### 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, alloyed HUB, and metallic flange.

### Applications

Flap discs are used for grinding, finishing, and polishing of various materials. They are suitable for both manual and automated grinding operations.

### Advantages

Flap discs offer several advantages, including long life, low noise, no vibration, high efficiency, maximum utilization, and no burning.

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 surfaces.

### Radial Blade Discs

Radial blade discs are designed for grinding on irregular and parabolic surfaces. They feature a radial backing that allows for effective grinding on these surfaces.

### Diamondine Flap Discs

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

### Non-Woven Flap Discs

Non-woven flap discs are designed for grinding on irregular and parabolic surfaces. They feature a non-woven backing that allows for effective grinding on these surfaces.

### Wood Duffing Wheels

Wood duffing wheels are designed for grinding on irregular and parabolic surfaces. They feature a wood duffing backing that allows for effective grinding on these surfaces.

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