Grind and finish in one easy step. Use for weld grinding, deburring, rust removal, edge grinding, and weld seam blending. Easily adapts to most right angle grinders.

Whether it’s ferrous metal, stainless steel or even an alloy, these versatile grinding discs are made of overlapping flaps to avoid gouge marks and leave a smooth finish. Flap discs can replace grinding wheels and fibre discs while providing longer life and exceptional cost savings. No need for backing pads like fibre discs.

Flap Discs vs. Grinding Wheels
- Faster stock removal
- Smoother finish, gouging
- Cooler cutting, less glazing
- Lightweight, easier to control
- Less vibration, less operator fatigue
- Reduced noise

Flap Discs vs. Fiber Discs
- 20X longer life, reduced abrasives coat
- Fewer disc changes, reduced labor cost
- More consistent finish
- No backing pad required
- Easier storage, no curling
- Reduced loading
- Use flap discs one grit size coarser than fiber discs, except in 36 grit

Type 29 vs. Type 27

**Type 29**
Conical shaped flaps are angled at 10°, which is ideal for contour and edge work. Angled flaps provide greater surface contact for a more aggressive cut. Most efficient when used between 15° to 25° angle.

**Type 27**
Flat shaped for working on flat grinding surfaces. Most efficient when used between 0° to 15° angle. Best choice for smooth finishing.

HIGH DENSITY VS. STANDARD

**High Density**
40% more cloth than our standard discs. Provides longer life and a softer grind. Thicker design conforms better to irregular shapes.

**Standard**
General purpose discs intended for applications that do not require extensive material removal.

REGULAR VS. TRIMMABLE

Regular fiberglass backed discs hold up to tough, heavy-duty applications.

Trimmable discs extend the working life, allowing for fewer disc changes, resulting in longer production times.

BACKING PLATE MATERIAL

All flap discs are constructed from abrasive flaps which are adhered to a rigid backing plate. This backing plate provides stability during operation. Mercer offers two different backing plate materials: fiberglass and plastic. The fiberglass backing plate is light weight, strong and flexible – absorbing vibration. Plastic backing plate is trimmable, extending the life of the flap disc.
THE MERCER MINI HUB

All 4-1/2" and 5" flap discs sold in 5/8"-11 configuration are manufactured with our ultra-efficient mini hub. The mini hub's size allows the disc to get into smaller areas. Buying flap discs with 5/8"-11 hub attached or built in (trimmable) allows for faster and easier disc change.

APPLICATION GUIDE

Coarser Grinding >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>> Finer Finishing

<table>
<thead>
<tr>
<th>36 GRIT</th>
<th>40 GRIT</th>
<th>60 GRIT</th>
<th>80 GRIT</th>
<th>100 GRIT</th>
<th>120 GRIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy Stock Removal</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Edge Chamfering / Beveling</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weld Blending</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deburring / Deflashing</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rust Removal / Blending</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cleaning and Finishing</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DUAL BAR CODES

All flap discs, which are available in both plain (7/8" arbor) and hubbed (5/8"-11) versions, have product labels with dual bar codes. The bar code on the left is for the plain disc and will state below the UPC the arbor size. The bar code on the right is for the hubbed version and will indicate the hub size below the UPC.

FEATURES AND BENEFITS

<table>
<thead>
<tr>
<th>METAL FINISHING</th>
<th>Higher forces deburr the metal while lighter forces get a smooth clean finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>OVERLAPPING FLAPS</td>
<td>Discs last longer, as abrasive wear is distributed evenly across overlapping flaps</td>
</tr>
<tr>
<td>ANGLED FLAPS</td>
<td>The separate flaps hit the work surface at slightly different angles which avoids the issue of repeated scratch areas</td>
</tr>
<tr>
<td>FASTER STOCK REMOVAL</td>
<td>Stock removal increases or decreases based on how much force you apply</td>
</tr>
<tr>
<td>LONGER LIFE</td>
<td>Less gouging than a grinding wheel and 40% - 50% longer grinding life</td>
</tr>
</tbody>
</table>