



CARBORUNDUM

GRIND & FINISH IN ONE STEP

Carbo coated abrasive flap discs are engineered for light stock removal, blending and finishing all in one application eliminating the conventional 2-step grinding/finishing process of using depressed center wheels and fiber discs. Using a right angle grinder, they grind like a depressed center wheel and finish like a fiber disc – helping you reduce process time and lower your total grinding costs. Carborundum offers flap discs in two product tiers so you can choose the discs best suited to your application and budget - whether you want maximum productivity and performance or more competitive lower initial cost for the job at hand.

APPLICATIONS

Stock Removal, Edge Chamfering,
Weld Blending, Deburring/Deflashing,
Blending/Finishing



CARBORUNDUM PRODUCT TIERING FOR EASY PRODUCT SELECTION

BEST - Highest productivity and lowest total cost

BETTER - Excellent blend of performance and price



BEST - CARBO FIRE

Ideal for aggressive cutting action, cool cut and longer life on harder-to-grind materials

FEATURES & BENEFITS

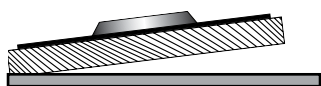
- 100% High-performance ceramic abrasive requires less pressure to work at maximum performance
- Grind and finish at the same time – no switching from depressed center wheel to resin fiber disc
- Type 27 flat face plastic back wears away with abrasives for longer life and produces smooth finishes

Ceramic Alumina

PART #	GRIT	TYPE	DISCS/CASE
4-1/2" X 5/8-11" PLASTIC BACK			
666233 26212	40	27	10
666233 26217	60	27	10
666233 26218	80	27	10
4-1/2" X 7/8" PLASTIC BACK			
055395 67811	40	27	10
055395 67812	60	27	10
055395 67813	80	27	10
5" X 7/8" PLASTIC BACK			
055395 70054	40	27	10
055395 70055	60	27	10
055395 70056	80	27	10
7" X 7/8" PLASTIC BACK			
055395 70057	40	27	10
055395 70058	60	27	10
055395 70059 NS	80	27	10

NS = Non-Stock, contact your Carborundum rep for current order quantities and lead-times

FLAP DISC SHAPES

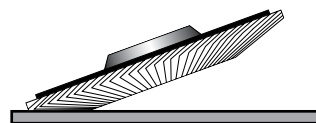


GRIND AT FLATTER ANGLES:
0° – 15°

TYPE 27 FLAT – THE BEST CHOICE FOR FINISHING

Used primarily on flat surfaces.

The best choice for blending and smooth finishing.



GRIND AT STEEPER ANGLES:
15° – 25°

TYPE 29 CONICAL – THE BEST CHOICE FOR AGGRESSIVE STOCK REMOVAL

Conical flap discs have angled flaps and may be used on both contoured and edge work.

The angle provides greater surface contact for stock removal on flat surfaces.

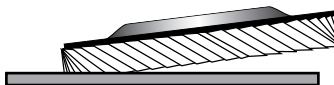
The best choice when speed and stock removal are primary considerations.

ABRASIVE FLAP DENSITIES



STANDARD DENSITY

Excellent for heavy-duty applications and rapid stock removal.

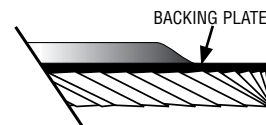


HIGH DENSITY

Ideal when working on uneven or curved surfaces, as well as finer grit blending.

BACKING PLATE MATERIALS

All flap discs are a combination of abrasive flaps adhered to a rigid backing plate. It is the backing plate that provides stability during operation. There are two main materials used: fiberglass and plastic. The fiberglass backing plate, along with the flap shape, helps to absorb vibration and is consumed during use with no smearing. Fiberglass is the most popular material because of its high strength and light weight. Plastic backing plate offers some additional conformability and is trimmable.





BETTER – CARBO PREMIER RED

Ideal for metal grinding and polishing, especially for weld bead grinding on fine carbon and stainless steel

FEATURES & BENEFITS

- High quality zirconia alumina abrasive provides good cut rate with long life
- Grind and finish at the same time – no switching from depressed center wheel to fiber discs
- Available in Type 27 or Type 29, standard or high density

Zirconia Alumina

PART #	GRIT	TYPE	DISCS/CASE
4" X 5/8" FIBERGLASS BACK			
05539518615	60	29	5
4-1/2" X 5/8-11" FIBERGLASS BACK			
05539564060	36	27	5
05539564061	40	27	5
05539564062	60	27	5
05539564063	80	27	5
05539520348	36	29	5
05539520347	40	29	5
05539520346	60	29	5
05539520345	80	29	5
4-1/2" X 7/8" FIBERGLASS BACK			
05539563741	36	27	5
05539563742	40	27	5
05539563743	60	27	5
05539563744	80	27	5
05539563745	120	27	5
05539518623	36	29	5
05539518622	40	29	5
05539518621	60	29	5
05539518620	80	29	5
05539518619	120	29	5
5" X 7/8" FIBERGLASS BACK			
05539518629	36	29	5
05539518628	40	29	5
05539518627	60	29	5
05539518626	80	29	5
7" X 5/8-11" FIBERGLASS BACK			
05539564056	36	27	5
05539564058	60	27	5
05539518641	36	29	5
7" X 7/8" FIBERGLASS BACK			
05539563747	40	27	5
05539518634	40	29	5

TECH TIP



- Use one grit size coarser than fiber discs, except in 36 grit.
- Operate Type 29 (fiberglass and High Density) flap discs at a 15° – 25° angle; operate Type 27 (fiberglass, plastic and High Density) flap discs at an angle less than 15°; more severe angles will weaken flap edges.



It is the user's responsibility to refer to and comply with ANSI B7.7

Zirconia Alumina High Density

PART #	GRIT	TYPE	DISCS/CASE
4-1/2" X 5/8-11" FIBERGLASS BACK			
66261068838	40	27	5
66261068846	60	27	5
66261068848 NS	80	27	5
4-1/2" X 7/8" FIBERGLASS BACK			
05539563929	40	27	5
05539563930	60	27	5
05539563931	80	27	5
4-1/2" X 5/8-11" FIBERGLASS BACK			
05539570539	40	29	5
05539570540	60	29	5
05539570541	80	29	5
7" X 5/8-11" FIBERGLASS BACK			
05539570542	40	27	5

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BETTER – MINI-FLAP DISCS

Ideal for metal grinding and polishing, especially for weld bead grinding on fine carbon and stainless steel; for small areas of contact

FEATURES & BENEFITS

- High-performance zirconia alumina abrasive provides maximum cut rate and life
- Layered flaps wear away evenly to produce a high quality and consistent finish
- Easy-on; easy-off quick-change mini flap discs provide the ability to get into tight areas while maintaining required cut and life



Zirconia Alumina Quick-Change

PART #	GRIT	TYPE	DISCS/CASE
2"			
776960 90120	36	3	10
776960 90124	60	3	10
776960 90125	80	2	10
776960 90126	80	3	10
776960 90128	120	3	10

Zirconia Alumina Quick-Change

PART #	GRIT	TYPE	DISCS/CASE
3"			
776960 90130	36	3	10
776960 90132	40	3	10
776960 90133	60	2	10
776960 90134	60	3	10
776960 90136	80	3	10

Back-up Pads for Mini Flap Discs

Easy-on, easy-off attachment for quick disc changes.



PART #	DESCRIPTION	MAX. RPM	PADS/CASE
BACK-UP PADS FOR MINI FLAP DISCS			
088341 68539	2" and 3" TS (Type II) Back-up Pads	30,000	1
088341 64922	2" and 3" TR (Type III) Back-up Pads	30,000	1

Accessories

PART #	DISCRIPTION	DISCS/CASE
088341 90908	Adapter Kit	1
076607 04157	Wire Rack	2

the definition of **DIFFERENT®**