



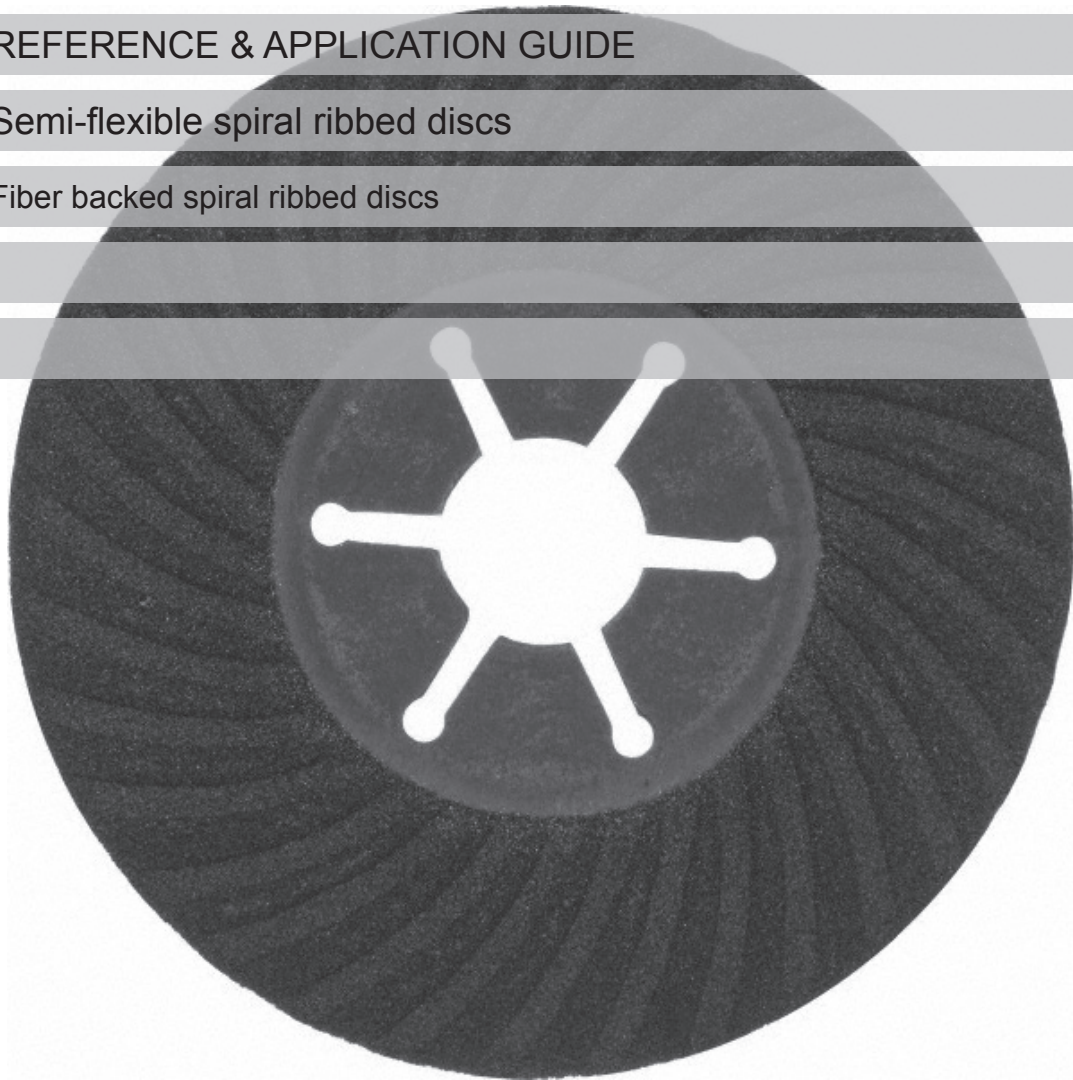
EXTREME SPIRAL

SPIRAL DISCS

REFERENCE & APPLICATION GUIDE

Semi-flexible spiral ribbed discs

Fiber backed spiral ribbed discs



EASY WAYS TO PLACE AN ORDER

Phone: 905 282 1313
Fax: 905 282 1313
e-mail: sales@extremeabrasivesl.com
Over the Web: www.extremeabrasives.com (coming soon)

Extreme Abrasives carries a line of spiral ribbed discs that are manufactured in Italy by a company that has been manufacturing them for 25 years.



One of the products that we sell the most of are their **SEMI-FLEXIBLE DISCS** made with a **red fiber** backing to which multiple layers of silicon carbide grains are bonded to backings. This provides an outstanding grinding effect and a strong mechanical resistance.

They are made with **cooling holes** to allow excess heat to flow through. Many companies have tried to copy and make spiral discs like this but our spiral ribbed discs have consistently outperformed them. Many have tried but they have not been successful.

We now carry their **FIBER BACKED SPIRAL RIBBED DISCS** as well as their semi-flexible series. The main difference with the fiber backed ones and the semi-flexible series is that the fiber backed ones can be mounted to a grinder in the same way that a grinding or cutting wheel is. It does not require the use of a rubber back pad like the semi-flexible ones. In the long run this helps you save money because the rubber back pads need to be changed every so often.

Some of the features of both series is that they are much lighter than a grinding wheel.

They offer a **faster and cooler** grinding action. Their unique spiral ribbed pattern provides elimination of the material that could accumulate on the discs.

Both grind and finish at the same time.

TYPES

SEMIFLEXIBLE SPIRAL DISCS - CURVED



FIBER BACKED SPIRAL RIBBED DISCS - FLAT



USAGES go from removing epoxy paints and other types of glues and such from concrete floors. They can be used to grind aluminum, masonry and paint on these surfaces as well. A lot of boat manufacturers use them to grind imperfections from fiberglass boat bodies. Veterinaries have also used these to trim cow and horse hooves.

All semi-flexible spiral ribbed discs must always be used with an appropriate back pad under them. Mounting the semi-flexible directly onto a grinder is highly dangerous because the centers can come out of the discs causing the wheel to fly off the grinder.



Features/Benefits

- ✓ Much lighter than a grinding or a cup wheel results in reduced operator fatigue.
- ✓ Faster and cooler cutting action. The unique spiral rib grain pattern provides rapid elimination of removed material from disc surface.
- ✓ Grinds and finishes in one operation.



Safety Recommendations:

We always recommend that the do not exceed the maximum RPM ratings per dimensions.

SAFETY RULES FOR THE USE OF ABRASIVE DISCS

1 - STORAGE

The discs must be kept in dry and aired rooms under the following conditions:

- Temperature: 15-25°C
- Humidity: 50-65%
- Discs should be kept in their original package until usage. Keep them away from heat sources or excess humidity.
- Always be sure that they are stored in a vertical position and that the stacks are not too heavy as this could cause them to lose their shape.

2 - ASSEMBLY

Before mounting a spiral ribbed disc to your grinder be sure to check it for cracks and deformations prior to operating the grinder.

- The machine speed should correspond to the RPM indicated on the spiral ribbed disc or as shown on the box label. Do not overspeed any product that you are working with as this could cause them to come apart.
- All semi flexible spiral ribbed discs must be used with a rubber back pad that covers 90% of the disc and must never be mounted directly onto the grinder itself as this could cause it to come apart.
- Never overtighten a spiral ribbed disc or any other disc on a grinder. Be sure that you have the proper flanges so that you do not dish out a wheel or a spiral ribbed disc.
- You must never alter the design of a spiral ribbed disc or any other disc that you are using. If it doesn't fit it's because it's not meant to be mounted to the grinder.

3 - USE OF THE DISC

Prior to using a disc always verify that there is not anyone standing next to you. Run the disc for a few seconds prior to using it on whatever work piece you will be using it on. This will allow you to see if it's working properly or out of balance and if it has been mounted correctly. You will also see if it is out of balance as well.

- Always be sure to direct the sparks away from you to avoid injuring yourself. Never use in presence of any flammable materials or liquids.
- Spiral ribbed discs are meant to grind like a grinding wheel. Be careful not to hit the edges of the discs against a wall. This will help to avoid breakage. Always make sure that your grinder has come to a complete stop before putting the grinder down. This helps to avoid damaging them.
- Work at a 10 to 20 degree angle when you grind with them.
- Keep everything below this as it's all fine.
- Always use the protection instruments:
 - ✓ Goggles
 - ✓ Leather apron
 - ✓ Gloves
 - ✓ Anti-dust mask and guards.

SPIRALE DISCS ARE DESIGNED FOR MACHINE TYPES BELOW:



Spiral ribbed discs are designed to be used on hand held grinders. Match the spiral ribbed discs to the size and RPM of the grinders.

FOR OPERATOR SAFETY



Follow ANSI and OSHA regulations



Wear a dust mask



Wear safety gloves



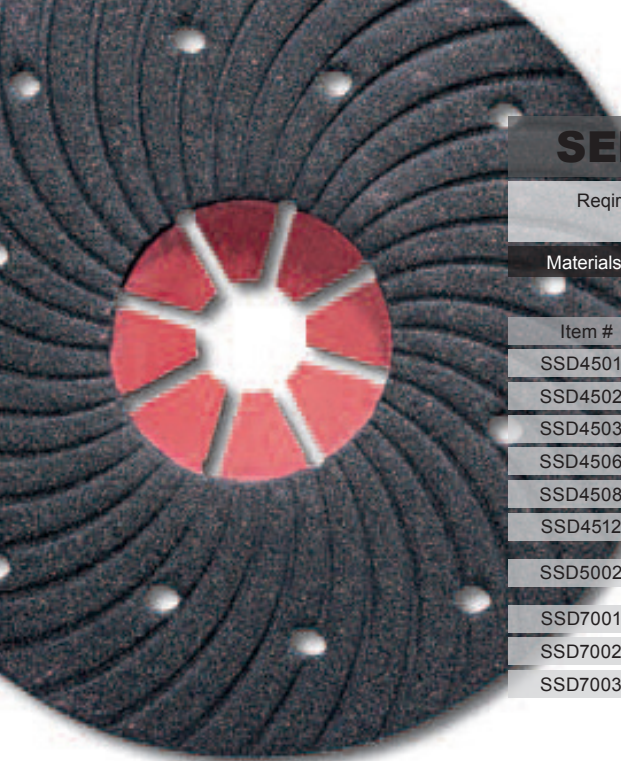
Wear safety glasses and ear muffs



Do not exceed operating speed



Read instructions



SEMI-FLEXIBLE SPIRAL RIBBED DISCS

Require Backup Pad 294500HD, 295000HD or 297000HD. SILICON CARBIDE - Suitable to work marble, stones, building materials, very hard materials and glass. Made in ITALY

Materials:	Marble	Stone	Building materials	Very hard materials		
	Glass	Fiberglass				
Item #	Description		Size (Inches)	Grit	RPM	Box
SSD45010	SEMIFLEXIBLE SPIRAL DISCS, CURVED		4 1/2 X 7/8	16	13 300	5
SSD45020	SEMIFLEXIBLE SPIRAL DISCS, CURVED		4 1/2 X 7/8	24	13 300	5
SSD45030	SEMIFLEXIBLE SPIRAL DISCS, CURVED		4 1/2 X 7/8	36	13 300	5
SSD45060	SEMIFLEXIBLE SPIRAL DISCS, CURVED		4 1/2 X 7/8	60	13 300	5
SSD45080	SEMIFLEXIBLE SPIRAL DISCS, CURVED		4 1/2 X 7/8	80	13 300	5
SSD45120	SEMIFLEXIBLE SPIRAL DISCS, CURVED		4 1/2 X 7/8	120	13 300	5
SSD50020	SEMIFLEXIBLE SPIRAL DISCS, CURVED		5 X 7/8	24	12 200	5
SSD70010	SEMIFLEXIBLE SPIRAL DISCS, CURVED		7 X 7/8	16	8 500	5
SSD70020	SEMIFLEXIBLE SPIRAL DISCS, CURVED		7 X 7/8	24	8 500	5
SSD70030	SEMIFLEXIBLE SPIRAL DISCS, CURVED		7 X 7/8	36	8 500	5



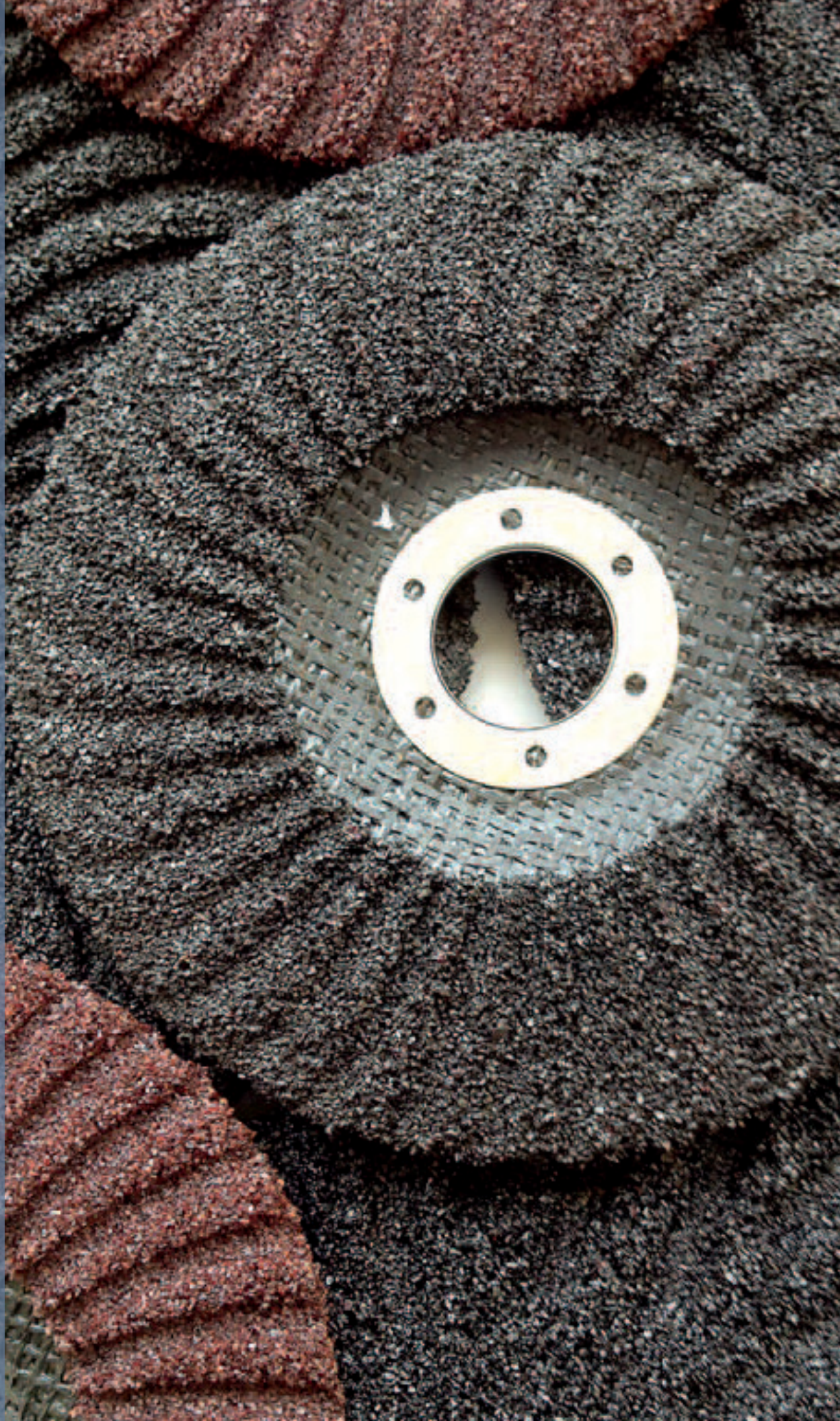
FIBER BACKED SPIRAL RIBBED DISCS

Do not Require Backup Pad. SILICON CARBIDE - Suitable to work marble, stones, building materials, very hard materials and glass. Made in ITALY

Materials:	Marble	Stone	Building materials	Very hard materials		
	Glass	Fiberglass				
Item #	Description		Size (Inches)	Grit	RPM	Box
SSS45008	SPECIAL SPIRAL DISCS, FLAT		4 1/2 X 7/8	8	13 300	5
SSS45010	SPECIAL SPIRAL DISCS, FLAT		4 1/2 X 7/8	16	13 300	5
SSS45020	SPECIAL SPIRAL DISCS, FLAT		4 1/2 X 7/8	24	13 300	5
SSS45030	SPECIAL SPIRAL DISCS, FLAT		4 1/2 X 7/8	36	FB	5
SSS50008	SPECIAL SPIRAL DISCS, FLAT		5 X 7/8	8	12 200	5
SSS50010	SPECIAL SPIRAL DISCS, FLAT		5 X 7/8	16	12 200	5
SSS50020	SPECIAL SPIRAL DISCS, FLAT		5 X 7/8	24	12 200	5
SSS50030	SPECIAL SPIRAL DISCS, FLAT		5 X 7/8	36	12 200	5
SSS70008	SPECIAL SPIRAL DISCS, FLAT		7 X 7/8	8	8 500	5
SSS70010	SPECIAL SPIRAL DISCS, FLAT		7 X 7/8	16	8 500	5
SSS70020	SPECIAL SPIRAL DISCS, FLAT		7 X 7/8	24	8 500	5
SSS70030	SPECIAL SPIRAL DISCS, FLAT		7 X 7/8	36	8 500	5



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 **EXTREMEFLEX**