

# FLAP DISCS

Longer, faster and  
better grinding.



## Unbeatable technology and performance

The first flap discs for high-speed angle grinders were developed at the end of the 1970s. More than 30 years of experience and unbeatable technology go into the manufacture of every CS Unitec flap disc. In terms of material removal capacity, service life and grinding quality, the flap discs that bear the brand TIGER SHARK-PLANTEX® – plus the newest development, PLANTEX®, made of hemp fiber high-tech compound – are among the best in the world.

### Top of the class in material removal, service life and quality

The performance and service life of a flap disc are not only dependent on the abrasive fabric used, but above all on the correct combination of flexible backing material; grit mixtures on the flaps; the angle at which the flap is held against the material; hard pressing; gluing system; and more. These considerations are part of what sets CS Unitec apart from the rest – not all flap discs are the same!

### Good for the environment and better for your health

Great care is taken to select raw materials that are environmentally sound and user friendly. Commonly used materials such as fiberglass, mineral fibers and epoxy resins are avoided in favor of sustainable raw materials such as hemp for the discs' backing plates. A patented, revolutionary flexible adhesive mounting system for the abrasive fabric flaps further contributes to the safety, performance, service life and user friendliness of CS Unitec flap discs. Our discs also considerably reduce vibration and noise while grinding.

### Unique patented production process

Completely new production technologies have been developed to manufacture our high-quality flap discs. The adhesion of the flaps to the backing disc is achieved using a patented, revolutionary adhesive system. In contrast to many rival products, the flaps of CS Unitec's discs are pressed on to the backing disc over their full area – throughout the entire hardening process – to produce a solid, compact and vibration-stable abrasive. This also gives added support to the grits and holds them firmly in their mounting, considerably extending the service life of the grinding discs.

**Standard and endurance tests ensure quality and play an essential role in progressive new developments.**

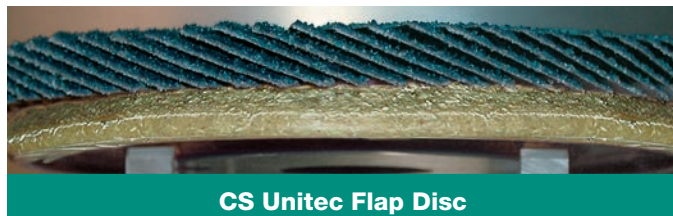
### Speed test

Grinding discs are tested on a centrifugal test machine to ensure that they can withstand the sort of speeds that are required for grinding work. The test system can test discs at speeds of up to 30,000 RPM.

### Endurance grinding test

Endurance tests are conducted to measure the material removal and service life of flap discs. New fabrics are tested to ensure their suitability and their grinding properties on various materials.

**Compliant with American and German standards set by ANSI B7.1 and DIN 13743.**



CS Unitec Flap Disc



Standard Flap Disc

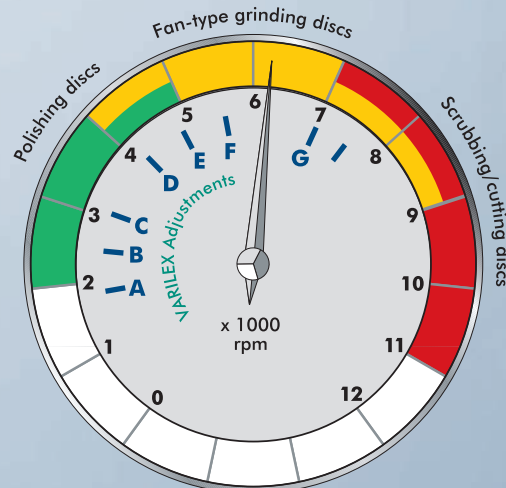
### A clear difference

These pictures show the clear difference between a CS Unitec flap disc with hard-pressed flaps (top) and a standard flap disc with fiberglass backing and unpressed flaps (bottom). The poorly pressed disc tends to "chatter" during the grinding process, generating vibrations and resulting in the grit pulling away from the mounting prematurely. This results in irregular grinding, poor grinding capacity, short service life and potential flap tearing.

## TIPS & TRICKS

### Check the speed

The right speed increases the service life of flap discs by up to 100% – a major factor in ensuring a low-cost workflow. Operating flap discs between 5000 and 8000 RPM sets the table for optimal grinding capacity and service life. Powerful, speed-controlled angle grinders such as the VARILEX® WSF 1800 Professional (see page 14) are ideal for working with flap discs.



Recommended speeds for maximum flap disc service life and economy:

4" diameter:	9000 – 11,000 RPM
4-1/2" diameter:	7000 – 9000 RPM
5" diameter:	6000 – 8000 RPM
6" diameter:	5000 – 7000 RPM
7" diameter:	4000 – 6000 RPM

## Grinding & Polishing Discs



### PLANTEX®

Flap discs for grinding steel and stainless steel, with hemp/polypropylene backing.  
**See page 18-20**



### PLANTEX® COOL TOP

Provides additional cooling to improve grinding performance for stainless steel.  
**See page 20**



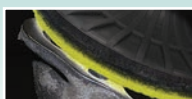
### PLANTEX® CERAMIC

Provides increased performance and additional cooling to improve service life on stainless steel. **See page 21**



### PLANTEX® TIGER SHARK®

Specially designed for blending aluminum.  
**See page 22**



### FIX HOOK & LOOP SYSTEM

Highly flexible backing disc for outstanding finish quality.  
**See page 23-25**



### POLY-MAGIC-WHEEL

Ideal for dry polishing stainless steel.  
**See page 26**



### MAGNUM® FLEECE TOP

For surface conditioning, fine finishing and polishing.  
**See page 27**



### MAGNUM® CLEAN

For pore-deep cleaning of metals.  
**See page 27**



### REDUCED SPARKING & CUT-OFF DISCS

EB diamond wheels reduce sparking.  
**See page 28-29**



# PLANTEX®

## High-tech Compound

### A quantum leap in flap disc technology.

#### Provides:

- ✓ Higher Productivity
- ✓ Lower Cost
- ✓ Increased Safety



PLANTEX® offers important advances in grinding performance, service life, protection for the environment and personal safety.

The development of the new PLANTEX® high-tech compound has resulted in the production of the first flap discs in the world with a backing plate made of natural hemp, with polypropylene used to bind it. In addition to excellent material abrasion and a long service life, the discs offer maximum operator safety, protection of natural resources and environmental friendliness.

This new composite material (hemp and polypropylene) minimizes pollution from production to waste disposal. Even the polypropylene binding material combusts to approximately 1% carbon when disposed of by thermal methods, producing almost zero residue. Polypropylene is physiologically safe and is used in automotive engineering (interior) and medical technology for common items such as syringes, cannulae and infusion bottles. As a result of its fiber structure, the hemp fiber offers excellent tearing strength values. The superior strength values of this high-tech compound are achieved through a patented new treatment ("impact method") for hemp fibers.

Hemp fiber high-tech compound is an almost ideal base material for flap disc backing plates – it is flexible, heat-absorbent (for low grinding temperatures), very easy to trim, safe to use and easy to dispose of. The cavities of the hemp fiber structure, in conjunction with polypropylene, have a highly insulating, damping and noise-reducing effect, thus enhancing the safety features of the discs.



Made  
in Germany

# PLANTEX®

## Hightech-Compound

**PATENTED!**



#### Safer working conditions

- No fiberglass, no mineral fibers, no epoxy resin
- Easy to trim, safe to use, easy to dispose of

#### Earth friendly

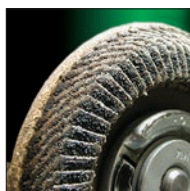
- Minimizes pollution, from production to disposal
- Hemp plant counteracts greenhouse effect

#### Competitively priced

- Lower cost of production
- Superior service life; 100% utilization



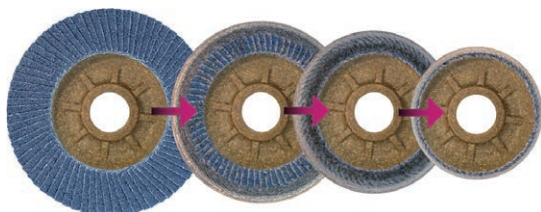
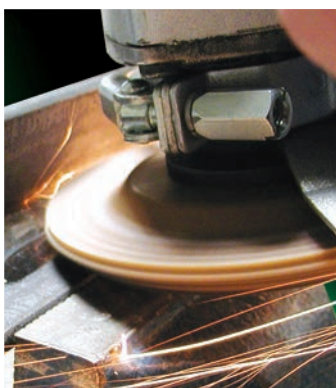
The high-tech compound material used for the PLANTEX® flap disc is perfectly safe. The backing plate is trimmed automatically during the grinding process or can be trimmed manually using cutting tools. The CO<sub>2</sub> and energy balance are also impressive. During its growth, 1 ton of hemp converts approximately 2 tons of carbon dioxide into oxygen by means of photosynthesis. Hemp therefore plays a beneficial role in counteracting the greenhouse effect.



Trimming with cutting tools produces soft, harmless chips that can be disposed of as domestic waste (smell is similar to wood chips). Thermal disposal incinerates without residue, apart from 1% carbon.

### Grinding down to the last fraction of an inch

The backing plate used on PLANTEX® flap discs reduces in diameter automatically during grinding. It can also be trimmed with cutting tools, a process that is simple and straightforward. The PLANTEX® flap disc can be used down to the last flap of the abrading fabric – and saves you money in the process!



**100% Service Life!**

Use down to the last abrasive flap by automatic trimming during grinding or trimming using cutting tools on a sharp steel edge.

**Ordering information for general-use PLANTEX® flap discs, as well as the full line of PLANTEX® products, begins on the next page.**

## PLANTEX® – features to convince everybody!

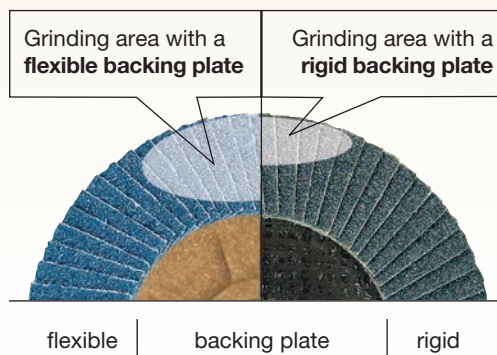


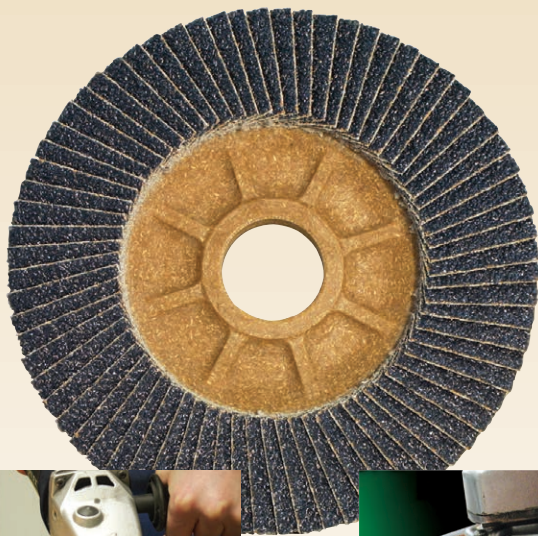
- Superior material abrasion and service life due to the discs' springy elasticity and 100% pure zirconium.
- Self-trimming and very easy to cut – the backing plate reduces in size automatically during the grinding process.
- Adjusts better to the surface of the workpiece during grinding.
- Absorbs vibration and noise due to its high fiber content.
- Heat-absorbent high-tech compound (with hollow fiber insulation) reduces the temperature during grinding.
- High strength, yet lightweight.
- High shape stability while maintaining elasticity.
- High-tech compound is resistant to most chemicals.
- Made of a sustainable raw material – protects valuable natural resources.
- The backing plate can be disposed of safely and easily (polypropylene binding combusts to approx. 1% carbon).
- Hemp provides good energy and CO<sub>2</sub> balance.
- Outstanding value: PLANTEX® costs no more than a medium-quality conventional flap disc.

### The clever ones give way!



The fiber substrate of the PLANTEX® high-tech compound gives it absorbent, spring-like properties that enhance grinding performance. This flexibility provides a greater contact surface area with the workpiece (more grit is used) that results in more material being abraded. The material removal capacity is therefore higher. The larger contact surface area also dissipates more heat, making the grinding work cooler – the workpiece does not suffer smearing and the abrasive fabric does not burn.





### PLANTEX® Specifications

Dimensions	Diameter: 4", 4-1/2", 5", 7"
Max. speed	13,200 RPM for 4-1/2" diameter
Ideal speed	5000 to 8000 RPM
Complies with	ANSI B7.1, 260 ft./sec. DIN EN 13743
Grits	40, 60, 80, 120
Arbor size	5/8" or 7/8"

## PLANTEX®

### Flexible flap disc for general use.

The PLANTEX® high-tech compound is becoming the standard flap disc for many companies. The backing plate is made of hemp fiber and can be trimmed completely. High grinding performance is achieved with the extreme flexibility of the backing plate and the 100% RZ-Zirconium abrasive fabric.

### PLANTEX® Ordering Information

Part No.	Size (dia. x arbor)	Grit	Maximum Speed	Quantity
93514	4" x 5/8"	40	15,000 RPM	10 pack
93516	4" x 5/8"	60	15,000 RPM	10 pack
93518	4" x 5/8"	80	15,000 RPM	10 pack
93524	4-1/2" x 7/8"	40	13,200 RPM	10 pack
93526	4-1/2" x 7/8"	60	13,200 RPM	10 pack
93528	4-1/2" x 7/8"	80	13,200 RPM	10 pack
93529	4-1/2" x 7/8"	120	13,200 RPM	10 pack
93534	5" x 7/8"	40	12,200 RPM	10 pack
93536	5" x 7/8"	60	12,200 RPM	10 pack
93538	5" x 7/8"	80	12,200 RPM	10 pack
93539	5" x 7/8"	120	12,200 RPM	10 pack
93544	7" x 7/8"	40	8600 RPM	10 pack
93546	7" x 7/8"	60	8600 RPM	10 pack
93548	7" x 7/8"	80	8600 RPM	10 pack
93549	7" x 7/8"	120	8600 RPM	10 pack

**PLANTEX®**  
Hightech-Compound



### PLANTEX® COOL TOP® Specifications

Dimensions	Diameter: 4", 4-1/2", 5", 7"
Max. speed	13,200 RPM for 4-1/2" diameter
Ideal speed	5000 to 8000 RPM
Complies with	ANSI B7.1, 260 ft./sec. DIN EN 13743
Grits	40, 60 (for finer grits, use PLANTEX 80 & 120)
Arbor size	5/8" or 7/8"

## PLANTEX® COOL TOP®

### Flap disc with cool performance for grinding stainless steel.

The PLANTEX® COOL TOP® high-tech compound has been specifically developed for grinding stainless steel.

A new abrasive fabric with additional top-size coating improves grinding performance and service life and also provides additional cooling.

### PLANTEX® COOL TOP® Ordering Information

Part No.	Size (dia. x arbor)	Grit	Maximum Speed	Quantity
93614	4" x 5/8"	40	13,200 RPM	10 pack
93616	4" x 5/8"	60	13,200 RPM	10 pack
93624	4-1/2" x 7/8"	40	13,200 RPM	10 pack
93634	5" x 7/8"	40	12,200 RPM	10 pack
93636	5" x 7/8"	60	12,200 RPM	10 pack
93644	7" x 7/8"	40	12,200 RPM	10 pack



# PLANTEX® CERAMIC

Ceramic high-performance flap disc with exceptional grinding performance for universal use on stainless steel and hard-to-grind metals. Save labor and time – one flap disc for all metals.

Advanced high-performance ceramic grain improves grinding performance for maximum removal, saves time, extends service life and provides additional cooling.

The PLANTEX® high-tech compound is becoming the standard flap disc for many companies. It is fiberglass free and provides excellent performance and service life. PLANTEX® natural fiber hemp backing plate offers flexibility to reduce vibration and increase performance. The PLANTEX® disc's composition also protects the environment and precious resources.

**The PLANTEX® CERAMIC high-tech compound has been specifically developed for grinding all metals including stainless steel, steel, aluminum, titanium, bronze and special alloys. Self-trimming backing pad allows for 100% use of abrasive.**

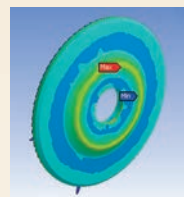
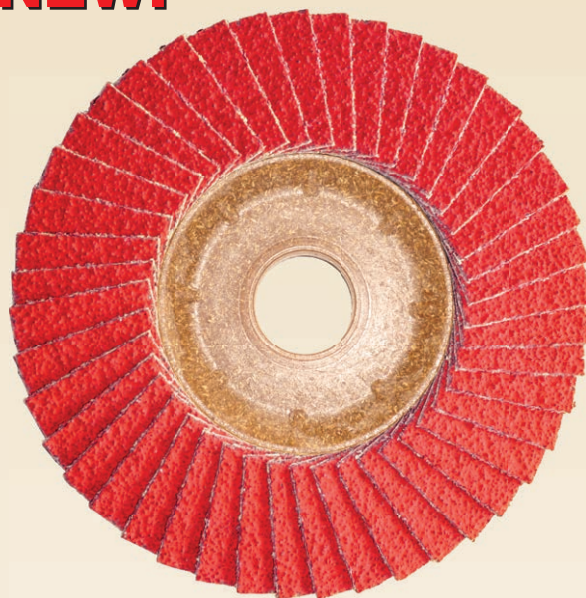
## PLANTEX® CERAMIC Specifications

Dimensions	Diameter: 4-1/2" and 5"
Max. speed	13,200 RPM for 4-1/2" diameter
Ideal speed	5000 to 8000 RPM
Complies with	ANSI B7.1, 260 ft./sec. DIN EN 13743
Grits	40, 60, 80
Arbor size	7/8"

## PLANTEX® CERAMIC Ordering Information

Part No.	Size (dia. x arbor)	Grit	Maximum Speed	Quantity
93550	4-1/2" x 7/8"	40	13,200 RPM	10 pack
93551	4-1/2" x 7/8"	60	13,200 RPM	10 pack
93552	4-1/2" x 7/8"	80	13,200 RPM	10 pack
93555	5" x 7/8"	40	12,200 RPM	10 pack
93556	5" x 7/8"	60	12,200 RPM	10 pack
93557	5" x 7/8"	80	12,200 RPM	10 pack

**NEW!**



### Strength & safety with FEM

The backing plate for the PLANTEX® high-tech compound is calculated using the finite element method (FEM). That ensures that it provides the optimal strength and safety properties, while minimizing material use. Like all flap discs from CS Unitec, PLANTEX® flap discs are approved for 260 ft./sec. to DIN EN 13743 and have been approved by the MPA (Material Testing Institute) in Hanover and by the BGIA (Professional Association Institute for Industrial Safety). PLANTEX® additionally complies with ANSI standard B7.1.



### Easy Disc Changeover – No Wrenches or Hubs Required!

Grinding discs can be changed in seconds, without tools, using the 5/8"-11 **EASY-LOCK SPEED NUT**. It is easily tightened by hand and eliminates the need for wrenches or expensive hubs.

Part No. 65008-1



Aluminum

# PLANTEX® TIGER SHARK® & KANGAROO ALU-FIX® OIL

The new dimension for grinding aluminum.

PLANTEX® TIGER SHARK® elastic discs are unbeatable for the difficult grinding of aluminum. High material removal, reduced grinding temperature and no glazing with aluminum particles make the TIGER SHARK® the first choice for these applications. This flap disc, with its ceramic/corundum cotton abrasive fabric, also offers high grinding capacity and low tool costs for steel and nonferrous metals. The backing plate is flexible PLANTEX® earth-friendly compound and adjusts well to the shape of the workpiece. TIGER SHARK® is ideal for grinding curved surfaces and shapes, and it is often used in car body shops, car workshops and for tool making.

The excellent features of the TIGER SHARK® can be enhanced even further with the newly developed **Kangaroo ALU-FIX® OIL**. A quick spray on the workpiece will solve many of the problems you may have encountered while grinding aluminum in the past. Loading no longer occurs, the material removal rate is up to 300% higher, the finish is visibly better – and the flap disc will last up to three times longer.

## PLANTEX® TIGER SHARK® Specifications

<b>Dimensions</b>	Diameter: 4", 4-1/2", 5", 7"
<b>Max. speed</b>	13,200 RPM for 4-1/2" diameter
<b>Ideal speed</b>	5000 to 8000 RPM
<b>Complies with</b>	ANSI B7.1, 240 ft./sec. DIN EN 13743
<b>Grits</b>	40, 60, 80, 120
<b>Arbor size</b>	5/8" or 7/8"

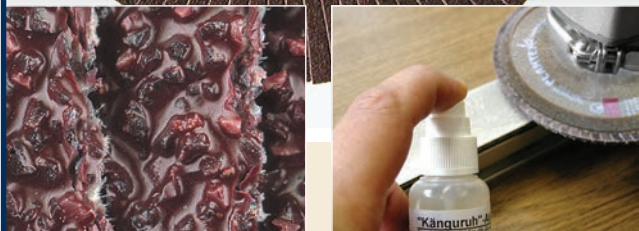
## PLANTEX® TIGER SHARK® Ordering Information

Part No.	Size (dia. x arbor)	Grit	Maximum Speed	Quantity
93814	4" x 5/8"	40	15,000 RPM	10 pack
93816	4" x 5/8"	60	15,000 RPM	10 pack
93818	4" x 5/8"	80	15,000 RPM	10 pack
93819	4" x 5/8"	120	15,000 RPM	10 pack
93824	4-1/2" x 7/8"	40	13,200 RPM	10 pack
93826	4-1/2" x 7/8"	60	13,200 RPM	10 pack
93828	4-1/2" x 7/8"	80	13,200 RPM	10 pack
93829	4-1/2" x 7/8"	120	13,200 RPM	10 pack
93834	5" x 7/8"	40	12,200 RPM	10 pack
93836	5" x 7/8"	60	12,200 RPM	10 pack
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93839	5" x 7/8"	120	12,200 RPM	10 pack
93844	7" x 7/8"	40	8600 RPM	10 pack
93846	7" x 7/8"	60	8600 RPM	10 pack
93848	7" x 7/8"	80	8600 RPM	10 pack
93849	7" x 7/8"	120	8600 RPM	10 pack

## Kangaroo ALU-FIX® OIL

Spray on aluminum workpiece to improve the removal rate and increase abrasive life. Available in a 1 pint spray bottle or a 1.3 gal. canister with a spray bottle.

- 1-pint spray bottle – **Part No. 40010**
- 1.3 gal. canister and spray bottle – **Part No. 40010K**



**Tiger Shark**  
Ceramic/Corundum  
flap disc

**PLANTEX®**  
Hightech-Compound



Unique flap discs with a PLANTEX® flexible backing disc.





# FIX HOOK & LOOP SYSTEM

Highly elastic backing disc for previously impossible finish quality. Ideal for surface conditioning and polishing up to a mirror finish.

The FIX Hook & Loop system takes advantage of a flexible backing pad and allows a disc to be changed in seconds without tools.

The FIX Hook & Loop system is a good fit wherever disc flexibility and frequent changeover are important. It will save time in industrial metalworking applications such as car body shops and repair shops.

The system requires a speed-controlled angle grinder, such as the VARILEX® WSF 1800 Professional. A wide range of abrasives are available for all steps leading from rough grinding up to a mirror finish.

The FIX Hook & Loop's "green" backing disc is made of natural materials. The flexibility of the abrasives allows you to achieve results similar to stationary grinding machines.

*The FIX family of abrasives must be used with the FIX original backing disc.*

**PATENTED!**



**The FIX Hook & Loop system is an essential surface finishing and polishing system for all sheet metal applications.**

## FIX Hook & Loop System Kits



### FIX Test Kit

This kit contains all the FIX Hook & Loop System components to go from rough grinding up to a mirror finish. **Part No. 80051U**

- 1 Carrying case
- 1 FIX backing pad
- 8 FIX Zirconium discs 4-1/2"  
(2 each - 40, 60, 80, 120 grit)
- 10 FIX TZ Pyramid discs 4-1/2"  
(2 each - 320, 400, 600, 1200, 2000 grit)
- 8 FIX Surface Conditioning discs 4-1/2"  
(2 each - coarse, medium, fine, superfine)
- 6 FIX SuperPolish discs 4-1/2"
- 2 Mini-polishing pastes, white and blue
- 1 PTX polishing cream pink
- 1 PTX Lime in a can
- 2 PTX microfiber cloths
- 1 Sample size PTX Poly Protection
- 1 Sample size PTX Brilliance Clean



### FIX Starter Kit

This kit includes a range of FIX Hook & Loop components, as well as a VARILEX® WSF 1800 Angle Grinder. **Part No. 80050U**

- 1 VARILEX® WSF 1800, 110V, 5/8" spindle
- 1 Carrying case
- 1 FIX backing pad - 4-7/16"
- 1 Wheel guard for discs up to 5"
- 3 FIX fleece discs 4-1/2" (1 each - coarse, medium, fine)
- 1 EASY-LOCK SPEED NUT
- 2 FIX FLEECE TOP 4-1/2" (1 each - grit 80, 180)
- 2 FIX flap discs 4-1/2" (1 each - grit 40, 60)
- 2 FIX SuperPolish discs 4-1/2"
- 1 FIX clean 4-1/2"
- 1 Lime scatter can
- 4 FIX Zirconium discs 4-1/2" (1 each - grit 40 - 120)
- 2 Mini-polishing pastes, white and blue



# Abrasives for the FIX Hook & Loop System

*The FIX family of abrasives must be used with the FIX original backing disc.*



## Special FIX Backing Pad with Centering Pin, without Foam

For use with the FIX Zirconium disc, FIX TZ Pyramid disc and FIX SuperPolish disc. The backing disc is made of special elastic material with a centering pin for perfect alignment.

Diameter: 4-1/2" with 5/8"-11 thread – **Part No. 80115U**  
Diameter: 6" with 5/8"-11 thread – **Part No. 80150U**



## Special FIX Backing Disc with PUR Foam Absorption Coating and Centering Pin

For use with the FIX Zirconium disc, FIX TZ Pyramid disc and FIX SuperPolish disc. The backing disc is made of flexible PUR with a special 1/4" absorption coating with a centering pin for perfect alignment.

Diameter: 4-1/2" with 5/8"-11 thread – **Part No. 80115UF**  
Diameter: 6" with 5/8"-11 thread – **Part No. 80150UF**



## FIX Zirconium Disc

Abrasive disc with Hook & Loop fastening and an outstanding grinding capacity. Ideal for body shops and car workshops.

Diameter: 4-1/2"; Grits: 40, 60, 80, 120

## FIX Zirconium Disc Ordering Information

Part No.	Diameter	Grit	Quantity
80904	4-1/2"	40	50 pack
80906	4-1/2"	60	50 pack
80908	4-1/2"	80	50 pack
80909	4-1/2"	120	50 pack
80914	6"	40	50 pack
80916	6"	60	50 pack
80918	6"	80	50 pack
80919	6"	120	50 pack



## FIX TZ Pyramid Disc

New abrasive fabric with pyramid-shaped grit structure for high material removal while producing a very fine finish. FIX TZ Pyramid discs reduce the amount of work required compared to grinding belt sleeves and fleece sleeves. Ideal for pre-polishing for mirror finishes and for removing scratches and spot welds. An additional absorption coating drastically reduces the grinding temperature and protects the Hook & Loop components and the workpiece.

Diameter: 4-1/2" and 6"; Grits: A65, A45, A30, A16, A06 (see grit equivalents below)

## FIX TZ Pyramid Disc Ordering Information

Part No.	Diameter	Grit	Quantity
80932	4-1/2"	A65/320	10 pack
80940	4-1/2"	A45/400	10 pack
80960	4-1/2"	A30/600	10 pack
80970	4-1/2"	A16/1200	10 pack
80980	4-1/2"	A06/2000	10 pack
80985	6"	A65/320	10 pack
80986	6"	A45/400	10 pack
80987	6"	A30/600	10 pack
80988	6"	A16/1200	10 pack
80989	6"	A06/2000	10 pack

## Grit Equivalents

A100 = Grit 220      A30 = Grit 600  
A65 = Grit 320      A16 = Grit 1200  
A45 = Grit 400      A06 = Grit 2000

# More Abrasives for the FIX Hook & Loop System



## FIX Fleece (Nonwoven) Disc

Versatile disc for fine surface conditioning and pre-polishing.

**Diameter:** 4-1/2" and 6"

**Grits:** coarse, medium, fine, superfine



## FIX-Klett (Nonwoven) Disc

The new FIX-Klett disc is a superfine soft nylon-fleece material for prepolishing aluminum or other soft, nonferrous materials to a mirror finish.

**Diameter:** 4-1/2"; Superfine grit, **Part No. 80680** (10 pack)

**Diameter:** 6"; Superfine grit, **Part No. 80690** (10 pack)

## FIX Fleece (Nonwoven) Disc Ordering Information

Part No.	Diameter	Grit	Quantity
80615	4-1/2"	coarse (brown)	10 pack
80616	4-1/2"	medium (red)	10 pack
80617	4-1/2"	fine (blue)	10 pack
80618	4-1/2"	superfine (grey)	10 pack
80650	6"	coarse (brown)	10 pack
80651	6"	medium (red)	10 pack
80652	6"	fine (blue)	10 pack
80653	6"	superfine (grey)	10 pack

# SuperPolish Discs for the FIX Hook & Loop System

When polishing with **FIX SuperPolish Discs**, use a separate SuperPolish disc for each compound and cream. The different compound grits must not be mixed. Remove compound and cream residues from the workpiece after each stage using POLY-PTX® lime and a microfiber cloth.

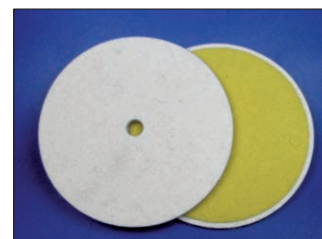


## FIX SuperPolish Disc

SuperPolish is a new, special needle fleece that produces a perfect, brilliant mirror finish on stainless steel and nonferrous metals. Used with our polishing compounds (white and blue) and pink cream to avoid smears and shadows. SuperPolish is absorbent, does not smear and saves time.

**Diameter:** 4-1/2"; **Thickness:** 1/4", **Part No. 80715N** (10 pack)

**Diameter:** 6"; **Thickness:** 1/4", **Part No. 80750N** (10 pack)



## FIX SuperPolish Felt Disc

Special merino wool felt that produces a perfect, brilliant mirror finish on stainless steel and nonferrous metals. Used with our polishing compounds (white and blue) and pink cream to avoid smears and shadows.

**Diameter:** 4-1/2"; **Thickness:** 1/4", **Part No. 80715** (10 pack)

**Diameter:** 6"; **Thickness:** 1/4", **Part No. 80750** (10 pack)

## TIPS & TRICKS

### Perfect mirror finish on stainless steel and nonferrous metals

The new TZ Pyramid and SuperPolish discs for the FIX Hook & Loop system can be used with an angle grinder to create perfectly polished finishes on stainless steel and nonferrous metals.

**Pre-grinding** to remove scratches and level welds using TZ Pyramid discs with grit A30.

**Fine grinding** using TZ Pyramid discs with grit A16.

These two stages prepare the surface for polishing. TZ Pyramid is an aggressive abrasive, so there is no need to slowly increase the grit fineness. Use only contact pressure to grind – the weight of the grinder is generally sufficient.

**Pre-polish** with SuperPolish disc and white polishing compound.

**Main polish** with SuperPolish disc and blue polishing compound.

**Perfect mirror finish** with SuperPolish disc and pink cream.

**Use a separate SuperPolish disc for each step – the different compound grits must not be mixed. Remove compound and cream residues after each stage using POLY-PTX® lime and a microfiber cloth.**





### Polishing corner welds with the POLY-MAGIC-WHEEL



Obtaining good polish quality when finishing corner welds is difficult, especially for the fabrication of railings. The POLY-MAGIC-WHEEL was designed to help you more easily produce a truly perfect finish in these applications. This highly compacted fleece disc was designed specifically for grinding and polishing bead and corner welds. The POLY-MAGIC-WHEEL disc can reduce the time required for this work to a minimum, and the result can only be described as a minor miracle.

Carry out the initial grinding and leveling of welds with the red disc, grit A (80 grit).

Then polish to a mirror finish using the POLY-MAGIC gray disc, grit B (900 grit). These discs are very aggressive; they save a lot of working time and the result is sensational. No polishing compounds or creams are required for polishing with the POLY-MAGIC-WHEEL (dry polish).

## POLY-MAGIC-WHEEL

### Dry polish stainless steel in corners up to a mirror finish!

The POLY-MAGIC-WHEEL is designed for finishing and dry polishing in corners, producing up to a perfect mirror finish in just two steps. These discs are made of highly compressed fleece material and are made in a sophisticated production process using compressed single flaps that are strengthened by being impregnated with foam. This special process allows considerably more abrasive material to be used than on conventionally wound "unitized wheels and discs."

The POLY-MAGIC-WHEEL is ideal for grinding and polishing bead and corner welds. It may only be used frontally.

*Ideal for speed-controlled angle grinders.*

### POLY-MAGIC-WHEEL

<b>Dimensions</b>	6-1/2" dia. x 7/8" arbor
<b>Max. speed</b>	5000 RPM
<b>Ideal speed</b>	3000 to 4000 RPM
<b>Grits</b>	<b>A/80</b> (red) Initial grinding & leveling welds (P/N 96720, 5 pk.) <b>B/900</b> (gray) Polishing to a perfect mirror finish (P/N 96721, 5 pk.)

### Mirror finish in 2 steps:



1 POLY-MAGIC-WHEEL A (80 grit)



2 POLY-MAGIC-WHEEL B (900 grit)



## MAGNUM® TOPMIX

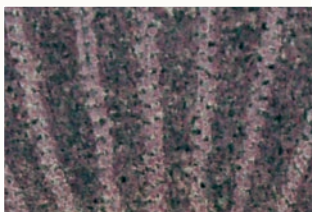
### Increased material removal, longer service life.

The MAGNUM® TOPMIX was developed to increase material removal during finishing while also improving service life. The 80 combination grit is much more aggressive than our MAGNUM® FLEECE TOP 80 grit (see page 27). Individual flaps with foamed and compressed fleece offer a much higher removal capacity, making it ideal for removing spot welds and deep scratches on stainless steel, steel and nonferrous metals. The coordinated fleece combination additionally ensures that a good finish is achieved. The MAGNUM® TOPMIX also offers excellent service life, making deburring and cleaning of cast parts and welds a breeze.

*Ideal for speed-controlled angle grinders.*

### MAGNUM® TOPMIX

<b>Dimensions</b>	5" dia. x 7/8" arbor
<b>Ideal speed</b>	2000 to 4500 RPM
<b>Max. speed</b>	6000 RPM
<b>Grit</b>	<b>80</b> (P/N 96705, 5 pk.)



# MAGNUM® FLEECE TOP

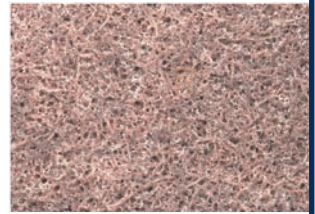
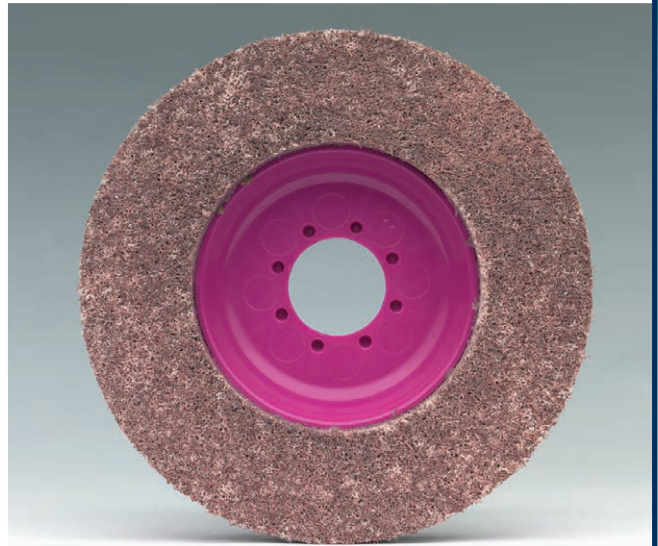
**Made of foamed, compressed-grit, interspersed nonwoven fleece.**

The MAGNUM® FLEECE TOP is a versatile fleece disc for surface conditioning, fine finishing and polishing, offering up to eight times the service life of traditional fleece and SC discs. Its range of uses is impressive. The FLEECE TOP is an ideal disc for metalworking that requires fine grinding and pre-polishing to a uniform clean finish, and it is effective at descaling and removing oxidation, scratches, rust, burrs and paint. It replaces a wire brush, abrasive paper and grinding rubbers and is self cleaning, with a special mixture that prevents glazing and loading. The foamed fleece ring is approx. 5/8" thick. This highly compressed quantity of fleece material ensures an extra-long service life.

*Ideal for speed-controlled angle grinders.*

## MAGNUM® FLEECE TOP

<b>Dimensions</b>	4-1/2" dia. x 7/8" arbor
<b>Ideal speed</b>	2000 to 4500 RPM
<b>Max. speed</b>	8000 RPM
<b>Grits</b>	80 (P/N 96710, 5 pk.)
	180 (P/N 96711, 5 pk.)
	280 (P/N 96712, 5 pk.)
	400 (P/N 96713, 5 pk.)
	600 (P/N 96714, 5 pk.)
	900 (P/N 96715, 5 pk.)



# MAGNUM® CLEAN

**For pore-deep cleaning of metals (sandblasting effect).**

MAGNUM CLEAN® is a flexible cleaning disc for the pore-deep cleaning of metals. This flexible coarse fleece disc is interspersed with silicon carbide grit and cleans without harming the base material. The disc itself is iron free, which means that there is no risk of corrosion. The coarse fleece material will not glaze or load, even if exposed to heavy contamination. MAGNUM CLEAN® is the ideal cleaning disc for pore-deep removal of paint, rust, scale and oil smears, as well as for cleaning and exposing without material removal. It is ideal for use in body shops (cleans thin sheet metal with no material removal) and in the automotive industry, and it is also suitable for underseal, renovating, painting and building work. MAGNUM CLEAN® is particularly good for removing paint and other coatings on wood, stone and metal (including window frames, doors and frames, furniture, house facades, graffiti, railings, fences, supports and machines).

*Ideal for speed-controlled angle grinders.*

## MAGNUM® CLEAN

<b>Dimensions</b>	5" dia. x 7/8" arbor
<b>Ideal speed</b>	2000 to 4500 RPM
<b>Max. speed</b>	5000 RPM
<b>Grit</b>	Medium (P/N 96700, 10 pk.)

