



# AM

**Abrasives  
Cut & Grind  
Solutions**



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# AM

## ABRASIVES CUT & GRIND SOLUTIONS

Founded in 1987, AM Sales & Marketing Sdn. Bhd. specializes in the supply of industrial abrasives and tools. We are committed to providing reliable and competitive products and excellent service to our customers. Our range of products are uniquely designed to serve diverse industries in Malaysia. We provide cutting and grinding solutions for the aerospace, automotive, metalworking, and the oil and gas industry.

Headquartered in Petaling Jaya, Selangor, our distribution network extends to Penang, Perak, Kuala Lumpur, Melaka, Johor, Pahang, Terengganu, Sabah and Sarawak with offices in Selangor, Melaka, Johor, Penang, and Terengganu. With our strong presence in Malaysia, we are capable of effectively servicing the needs of the metalworking industry.



**BOSCH**

Invented for life

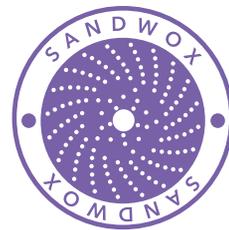


**KLINGSPOR**

**3M**



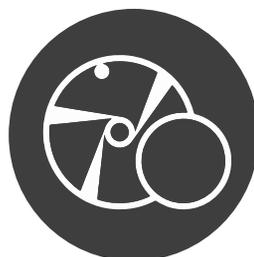
**DYNABRADE**



**ANGLE  
GRINDERS**  
1-3



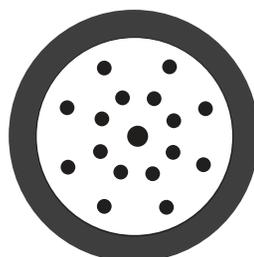
**CUT & GRIND  
BLEND DISCS &  
ROLOC DISC**  
4-10



**ORBITALS**  
11-18



**PADS, ACCESSORIES  
& SANDING DISCS**  
19-22



**PAINT REPAIR  
SYSTEM**  
23-29



**HAND PADS  
SCOTCH-BRITE**  
30-32



# Product Feature Indication Guide



## Bosch Heavy Duty

Bosch Heavy Duty - Power, Performance and Robustness redefined!



## Outstanding user protection

thanks to the anti-rotation protective guard - stands firm, even if the disc breaks.



## Soft start

as the load and torque of the motor are temporarily reduced during start-up.



## Reduces the hazard of sudden tool reactions

in binding conditions thanks to automatic shut-down of the tool.



## Comfortable working

thanks to low vibration by adding rubber mounting/foam padding to the handles.



## Direct cooling

For high overload capability and a long service life.



## Long lifetime of the tool

as the tool shuts off in case of an extreme overload situation.



## Prevents autonomous restart of the tool

after power blackout. Only through new, conscious activation will the tool be ready to use.



## Best work results with constant speed

thanks to electronic regulation of speed - even under load.



## Best work results with speed pre-selection

for applications requiring material-specific speed.



## Click & Clean System - 3 great benefits

A clear view of the work surface: You work more precisely and faster Harmful dust is extracted immediately: Protects your health Less dust: Longer lifetime of tool and accessories.



## Test winner

in average lifetime and average carbon brush lifetime - ascertained by the independent SLG testing and certification institute.

## Angle Grinders



### Bosch GWS 8-100 Z Professional

Powerful and safety enhanced

- Robust and strong motor with 800 W
- M10 spindle thread for readily available accessories
- Improved electrical switch for stringent operation

HEAVY DUTY



TLKITRB1230006

GWS 8-100 Z Professional comes complete with:

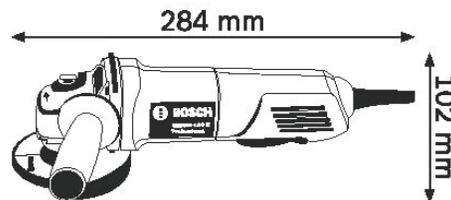
Clamping flange

Round nut (spare part number 1 603 340 037)

Pin-type face-wrench (spare part number 1 603 340 037)

#### Additional data

Rated input power*	800W
No-load speed*	11,000 rpm
Disc diameter*	100mm
Grinding spindle thread	M 10
Weight	1.9kg



### Bosch GWS 15-125 CITH Professional

Ultimate power with perfect handling

- Good handling due to ergonomic handle with softgrip and best power-to-weight ratio for continuous use and overhead work.
- The powerful 1500 W Champion motor with restart protection and Constant Electronic.
- With very high torque and high load bearing capacity for the toughest applications.

HEAVY DUTY



TLKITRB1230004

GWS 15-125 CITH Professional comes complete with:

Backing flange (spare part number 2 605 703 014)

Protective guard (spare part number 1 605 510 365)

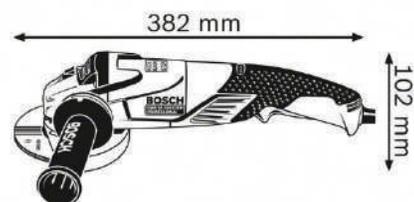
Locking nut (spare part number 1 603 345 043)

Vibration Control auxiliary handle (2 602 025 123)

Two-hole spanner (spare part number 1 607 950 052)

#### Additional data

Rated input power*	1,500W
No-load speed*	2,800 - 9,300rpm
Disc diameter*	125mm
Power output	860W
Grinding spindle thread	M 14
Rubber backing pad, diameter	125mm
Wire cup brush, diameter	75mm
Weight	2.3kg
Switch	Tri-Control



## Angle Grinders



### Bosch GWS 15-150 CIH Professional

Ultimate power with perfect handling

- Good handling due to ergonomic handle with softgrip and best power-to-weight ratio for continuous use and overhead work.
- The most powerful 1500 W Champion motor with restart protection and Constant Electronic.
- For 150 mm discs - more cutting depth and torque for a higher material removal rate.



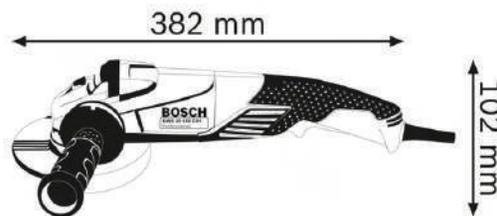
#### TLKITRB1230005

GWS 15-150 CIH Professional comes complete with:

- Backing flange (spare part number 2 605 703 014)
- Protective guard (spare part number 1 605 510 366)
- Locking nut (spare part number 1 603 345 043)
- Vibration Control auxiliary handle (2 602 025 123)
- Two-hole spanner (spare part number 1 607 950 052)

#### Additional data

Rated input power*	1,500W
No-load speed*	9,300rpm
Disc diameter*	150mm
Power output	860W
Grinding spindle thread	M 14
Rubber backing pad, diameter	125mm
Wire cup brush, diameter	75mm
Weight	2.4kg
Switch	Tri-Control



### Bosch GWS 17-125 CI Professional

Maximum productivity and the best user protection

- Fast work rate due to powerful 1700 watt motor with Constant Electronic.
- Long lifetime due to motors with direct motor cooling, overload protection and long carbon brush lifetime
- Leading user protection due to KickBack Control, restart protection, anti-rotation protective guard and vibration reduction



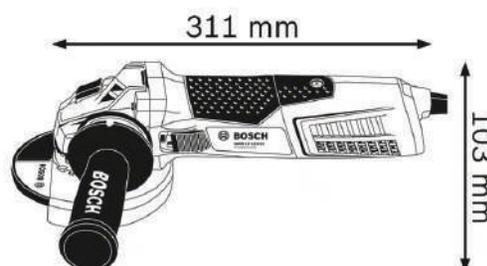
#### TLKITRB1230001

GWS 17-125 CI Professional comes complete with:

- Backing flange (spare part number 2 605 703 014)
- Protective guard (spare part number 1 605 510 365)
- Locking nut (spare part number 1 603 340 040)
- Vibration Control auxiliary handle (2 602 025 171)
- Two-hole spanner (spare part number 1 607 950 043)

#### Additional data

Rated input power*	1,700W
No-load speed*	11,500rpm
Disc diameter*	125mm
Power output	1,010W
Grinding spindle thread	M 14
Rubber backing pad, diameter	125mm
Wire cup brush, diameter	75mm
Tool dimensions (length)	311mm
Tool dimensions (height)	103mm
Weight	2.4kg
Switch	2-way



## Cutting-off Wheels and Grinding Discs

### Kronenflex® cutting-off wheel and grinding disc

#### Application guides

1. EAN-Code (EAN-13)
2. Safety pictograms
3. Max. operating speed
4. Klingspor Cat. No.
5. Specification of design, grade and bond according to EN 12413
6. Dimensions in mm and inches
7. Applications (see colour coding system)



8. Information about the manufacturer
9. Operating restrictions
10. Safety standard (oSa / EN 12413)
11. Max. RPM
12. Safety pictograms
13. Product group / type
14. Klingspor brand Kronenflex®

#### Quality classes

Kronenflex® cutting-off wheels and grinding discs come in three performance classes with six colour codes for a quick overview of the most important material applications.

##### EXTRA

Products for universal application, offering a particularly attractive price-performance ratio.

##### SUPRA

Optimized products for different applications. Excellent service life and cutting performance.

##### SPECIAL

High performance products for special applications. Highest service life and cutting performance in the respective material application area.

#### 1. Label and cover sheet

The label includes all of the important information on the product, manufacturer and information on the proper use of the grinding tool.

#### 2. Mixture

**The grit:** Today all grit types are only produced synthetically. Only grit produced synthetically can ensure continuously high wear and cutting disc quality.

**Resins and fillers:** Additional, important components for cutting and grinding discs are resins, (in liquid and dry form), and fillers. These components are key in determining the disc properties, such as stability, stock removal rate, shear strength and can be adjusted to meet the needs of the specific application.



#### 3. Metal ring

Provides information on the production period of the disc and protects the machine spindle.

#### 4. Glass fibre

Glass fibre is a reinforcing layer to ensure stability and increases the safety of the cutting-off wheel. The number and strength of the glass fibre layers is dependent upon disc type and application. The higher the potential lateral load on a cutting-off disc (it is greater during free cutting than during stationary cutting), the more glass fibre that the cutting disc must contain, or the contained glass fibre must be more stable. Particularly thin material is used for thin cutting discs (0.8 mm to 1.0 mm), to, despite of the thin discs, ensure that a large grit ratio is achieved between the layers.

Grinding discs are constructed with at least 3 glass fibre layers.

## Cutting-off Wheels and Grinding Discs

### Kronenflex® cutting-off wheels for hand held machines



Cutting-off wheel

#### A 24 EXTRA



Performance Class: *EXTRA*

Applications:

Bond ■■■■□□□□

Metals ●

Agression ■■■■□□□□

Service Life ■■■■□□□□

**Advantages:** Proven a million times over - Standard wheel with outstanding price-performance ratio - For universal use in metalworking - Fast cutting off of solid material

AM id	Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
ABDSCKL1740004	125 x 3.2 x 22.23		80 m/s	12,200 rpm	25	209016



Cutting-off wheel INOX

#### A 960 TZ SPECIAL



Performance Class: *SPECIAL*

Applications:

Bond ■■■■□□□□

Stainless Steel ●

Agression ■■■■□□□□

Steel ●

Service Life ■■■■□□□□

Fe-S-Cl <0,1%

**Advantages:** Free of iron, sulfur and chlorine - Short cutting times and long service life - Low thermal load - Low burr formation - Optimized bonding for considerably longer service life - For diverse applications - 25 pieces delivered in the Kronenflex® box for long-lasting high performance and moisture protection

AM id	Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
ABDSCKL1740011	105 x 1 x 16		80 m/s	14,500 rpm	25	326432
ABDSCKL1740007	125 x 1 x 22.23		80 m/s	12,200 rpm	25	322181



Cutting-off wheel INOX

#### A 46 TZ SPECIAL



Performance Class: *SPECIAL*

Applications:

Bond ■■■■□□□□

Stainless Steel ●

Agression ■■■■□□□□

Steel ○

Service Life ■■■■□□□□

**Advantages:** Minimal burr formation - High-performance cutting-off wheel with long service life

AM id	Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Packing unit/pcs.	Cat. number
ABDSCKL1740011	125 x 1.6 x 22.23		80 m/s	12,200 rpm	25	187171
ABDSCKL1740007	230 x 1.9 x 22.23		80 m/s	6,600 rpm	25	224084

## Grinding Discs



### Carbon Steel & Inox Stainless Steel

Kronflex® grinding discs for Metals

#### A 24 EXTRA



Performance Class:	EXTRA	Applications:	
Bond	■ ■ ■ ■ □ □ □ □	Metals	●
Agression	■ ■ ■ ■ □ □ □ □		
Service Life	■ ■ ■ ■ □ □ □ □		

**Advantages:** Standard disc with excellent price-performance ratio - For universal use in metalworking - Excellent results on all standard angle grinders

AM id	Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Cat. number
ABDSCKL1740013	125 x 6 x 22.23		80 m/s	12,200 rpm	328782



### Inox - Stainless Steel

Kronflex® grinding discs for Steel

#### A 24 R SUPRA



Performance Class:	EXTRA	Applications:	
Agression	■ ■ ■ ■ □ □ □ □	Steel	●
Service Life	■ ■ ■ ■ □ □ □ □	Stainless Steel	○
Bond	■ ■ ■ □ □ □ □ □	Castings	○

**Advantages:** With optimised recipe for use on steel - Also suitable for use on stainless steel - Large product range

AM id	Diameter x Width x Bore in mm	Form	Max. operating speed	Max. RPM	Cat. number
ABDSCKL1740001	150 x 6 x 22.23		80 m/s	10,200 rpm	13403

## Flexible Grinding Discs



### 3M Grinding Discs



3M™ Cubitron™ II Cut and Grind Wheel features 3M Precision Shaped Ceramic Grain to bring you an exceptionally fast-cutting and long-lasting wheel for use on both stainless steel and mild steel. These versatile wheels are designed to be used both as a grinding wheel and as a cut-off wheel - making them ideal for cutting, grinding, gouging and more.

- 3M 14437 4" G36+
- 3M 14438 4" G60+
- 3M 14439 4" G80+

AM id	Size (mm)	Grade	Max. RPM	Packaging
ABDSCMM1100004	100 x 3 x 16	36+	15,300	200pcs/box
ABDSCMM1100005	100 x 2.5 x 16	60+	15,300	200pcs/box
ABDSCMM1100050	100 x 2.5 x 16	80+	15,300	200pcs/box



## Blend & Finish

### Abrasive mop discs for Stainless steel, Steel



#### SMT 624 SUPRA



<b>Performance Class:</b> SUPRA	<b>Applications:</b>	<b>Properties:</b>
Bond <input type="checkbox"/>	Stainless Steel <input type="checkbox"/>	Grain Zirconia alumina
Agression <input type="checkbox"/>	Steel <input type="checkbox"/>	Backing Plate Glass fibre

**Advantages:** Proven a million times over - Standard wheel with outstanding price-performance ratio - For universal use in metalworking - Fast cutting off of solid material

AM id	Diameter in mm	Bore in mm	Form	Grit	Vmax in m/s	Max. RPM in rpm	Cat. number
ABDSCKL1740008	100	16		36	80 m/s	15300	322758
ABDSCKL1740009	100	16		60	80 m/s	15300	322760
ABDSCKL1740010	100	16		80	80 m/s	15300	322761

### Scotch-Brite™ Light Grinding and Blending Discs

#### FOR LIGHT GRINDING AND BLENDING

A durable disc constructed with 3M ceramic aluminum oxide blend abrasive grain, for an aggressive cut, long life and consistent finish. Resistant to edge wear. Ideal for light grinding applications to produce a burr-free and paintable finish.

Scotch-Brite™ Light Grinding & Blending Discs - Centre Hole

AM id	Size (mm)	Grade	Colour	SKU
NWDCM1100002	100 x 16	HD CRS	Maroon	61500292497

HD = Heavy Duty



**Tech Tip**

2- Step Weld Removal & Prep for Paint

- ✓ **STEP 1:** Remove the weld with 3M™ Cubitron™ II Fibre Disc 982C grade 36+
- ✓ **STEP 2:** Finish with Scotch-Brite LGB SD Disc
- ✓ **READY FOR PAINT** (>3 mil)



**Tech Tip**

Use for light stock removal and aggressive blending operations.

**NOTE:** For best results, use with red (extra hard) or black (hard) 3M Fibre Disc Back-up Pad.



### 3M™ Fibre Disc Back-Up Pads ★★★★★

Use ribbed high performance pads for stock removal. Use flat semi-flexible pads for blending and finishing. Scotch-Brite™ LGB Discs are best used with a fibre disc back-up pad.

AM id	Part Number	Diameter (mm)	Centre Hole Diameter (mm)	Thread Size	Colour	Density	Max RPM	Packaging
ABDCM1100002	7312	100	16	M10-1.5 INT	Black	Hard	15,200	20pads/case

Fibre Discs

The Future is Now.

Leave conventional abrasives in the past and do more than you thought possible with Cubitron™ II Fibre Discs.

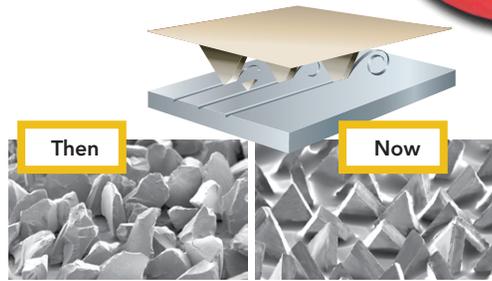
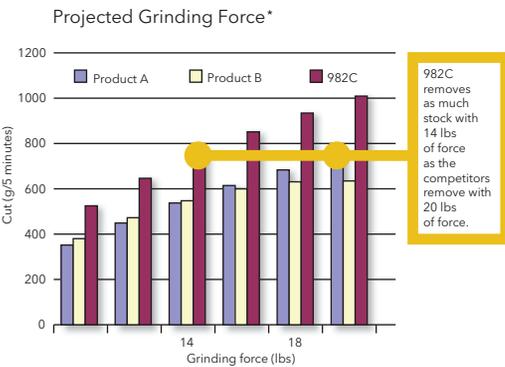
- Disc 987C: Your complete **stainless steel** solution
- Disc 982C: Your complete **carbon steel** solution

Cubitron™ II Fibre Discs are made with revolutionary 3M precision-shaped ceramic grain technology, engineered with ultra-sharp, fast-cutting points that wear evenly, run cool and optimize mineral breakdown to maximize disc life.

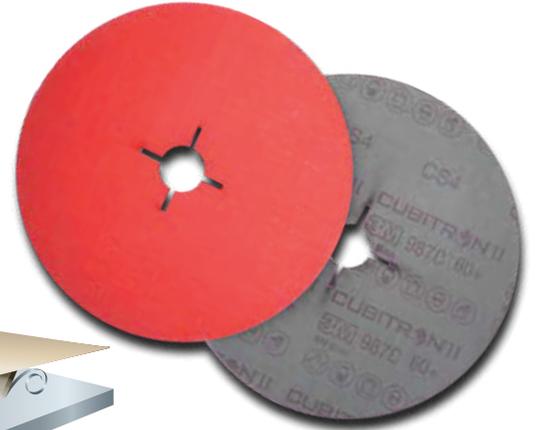
Get More

- More productivity
- More throughput
- More disc life
- More comfort
- More grinding speed

For Less



Triangular-shaped grain (right image) is electrostatically oriented to form sharp peaks, each acting like individual cutting tools that slice through metal, wear evenly and provide super-long life and consistency at any grinding pressure



Unique + Grades for revolutionary products

Multiple grading systems have been created as mineral technology evolves, and Cubitron™ II abrasives are no exception.

Engineered triangular shapes can't be boxed into the screens used for grading today. Precision-shaped grain is bigger, better, faster and longer lasting than ANSI-graded abrasives thanks to the clean cut provided by the sharp minerals that cut through metal.

You can count on 3M to meet or beat your current grinding process time.

Target applications

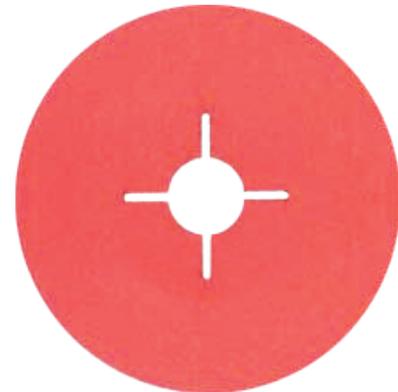
- Weld removal
- Mill scale removal
- Removing pits and surface imperfections
- Beveling
- Edge chamfering

Cubitron™ II Fibre Disc 987C:

The coolest way to increase productivity

If you work with heat-sensitive materials like stainless steel, you'll appreciate the way the 987C disc digs in and cuts faster, lasts longer and requires less grinding pressure than conventional abrasives.

When you've doubled your standard part count with a single disc, you'll be tempted to get a new disc. But keep grinding. Some customers have seen up to 5 times the life. Try 987C for yourself and we'll guarantee you'll see improvement over your existing fibre disc.

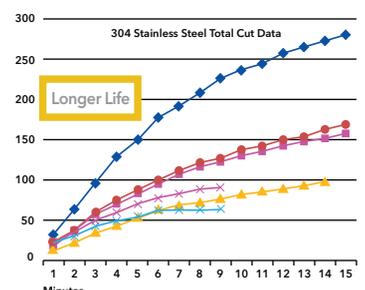
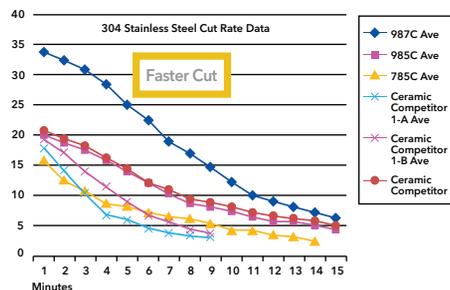


987C Customer Test Results

Application	Material	Previous Disc Type	Grade Replaced	Results
Plate grinding	High Nickel Alloy	Ceramic	24	2.5 times life
Plate grinding	Stainless Steel	Ceramic	24	2 times life
Removing Mill Scale	Carbon Steel	Ceramic	36	2-4 times life
Gate removal	718 Inconel	Ceramic blend	24	2-3 times life
Weld removal	Stainless Steel	Aluminum oxide	36	5 times life

Actual results will vary based on end user manufacturing processes.

Internal Test Results

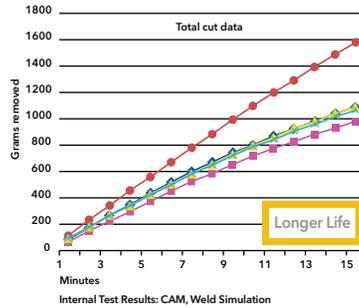
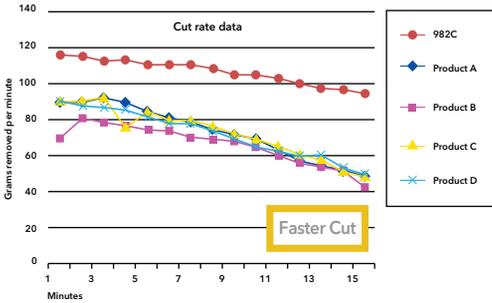
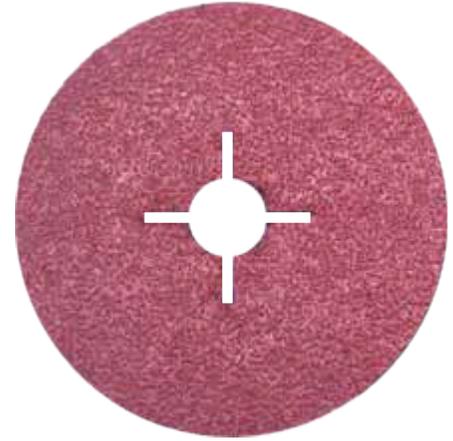


## Fibre Discs

### Cubitron™ II Fibre Disc 982C:

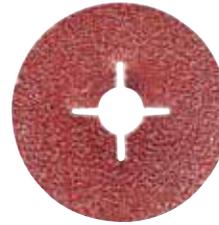
#### Dare to wear it out

You have too much to do to settle for a disc that can't keep up. With the 982C, you get a disc that cuts faster, lasts longer and requires less grinding pressure than conventional abrasives. In fact, 982C works harder so you don't have to. Without increasing the grinding force you currently use, 3M guarantees you'll get longer life and more parts with a Cubitron™ II fibre disc.



### 3M™ Cubitron™ II Fibre Discs 982C for mild steel ★★★★★

AM id	Size (mm)	Grade	Max. RPM	Ordering Code
ABDSCMM1100032	100 × 16	36+	13,300	60440230021
ABDSCMM1100055	100 × 16	60+	13,300	60440230039
ABDSCMM1100056	100 × 16	80+	13,300	60440230047
ABDSCMM1100057	125 × 22	36+	12,000	60440229270
ABDSCMM1100058	125 × 22	60+	12,000	60440229361
ABDSCMM1100059	125 × 22	80+	12,000	60440229403



#### Tech Tip

Use 3M™ Ribbed Back-Up Pads to optimise product life of Cubitron II Fibre Discs.

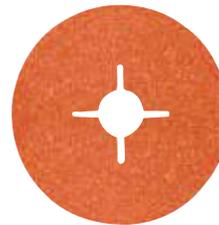
#### FREE 3M 26673 4" BACKUP PAD

100 PIECES OF DISCS  
FOC 1 PIECE BACK UP PAD



### 3M™ Cubitron™ II Fibre Discs 987C for stainless steel ★★★★★

AM id	Size (mm)	Grade	Max. RPM	Ordering Code
ABDSCMM1100037	100 × 16	36+	13,300	60440230054
ABDSCMM1100039	100 × 16	60+	13,300	60440231201
ABDSCMM1100040	100 × 16	80+	13,300	60440231219



#### FREE 3M 5" RUBBER BACKUP PAD WX-3009-05012

100 PIECES OF DISCS  
FOC 1 PIECE  
5" RUBBER BACKUP PAD



3M™ Roloc™ Systems



3M™ Roloc™ Disc 361F

- Aluminum oxide on a YF wt. cloth backing
- General purpose grinding, blending and finishing on all metals

Product ID	TR	TSM	TS
361F	●		

TR (Plastic Button) 



3M™ Roloc™ Cloth Disc Guide

Product	Mineral Type	Features	Metal Type	Performance	Grinding	Light Grinding	Deburring	Blending
361F	Aluminum Oxide	Durable YF Polyester backing; General purpose grinding, light grinding, blending and deburring on all metals	All Metals	Good	●	●	●	●

AM id	Diameter	Grade	Max. RPM
ABDSCMM1100023	2"	60	25,000
ABDSCMM1100025	2"	80	25,000
ABDSCMM1100018	2"	120	25,000
ABDSCMM1100053	2"	150	25,000
ABDSCMM1100054	2"	180	25,000
ABDSCMM1100020	2"	240	25,000
ABDSCMM1100022	2"	320	25,000

### Auto-Recess Throttle Lever

Lever recesses into housing grip when depressed, eliminating pressure-point on operator's palm. Lever is made from composite material to insulate against cold air. Lever is color-coded to identify tool orbit

### Contort Platform

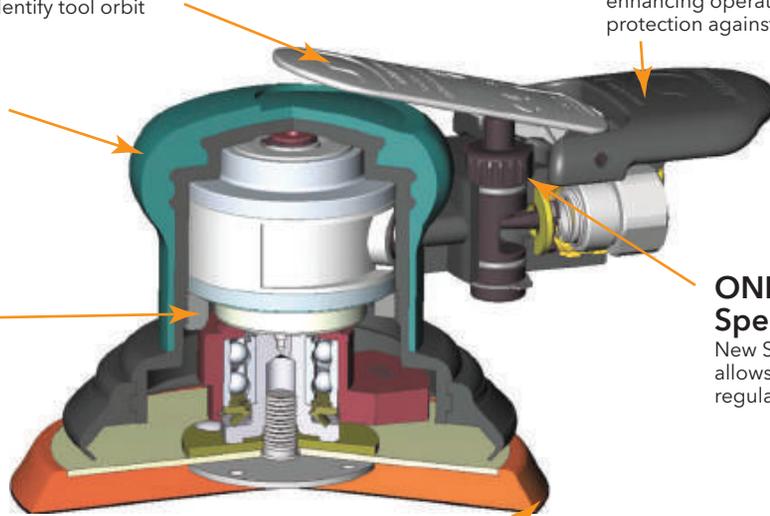
U.S. Patent No. D610,428  
Provides additional hand and wrist support, enhancing operator comfort. Also offers protection against cold air exhaust.

### Compact Grip Size

Compact, ergonomic design has been reduced in size by 5%. Ideal for operators with smaller hands, and use in vertical applications!

### Single-Piece Locking Ring

Allows easier assembly and provides tighter seal.



### ONE-HAND Speed Control

New Speed Control dial allows "thumb control" regulating of tool speed.

### Perfectly Balanced Sanding Pad

**Ask for the ORANGE!**

Perfectly-balanced, weight-mated sanding pad with exclusive single-piece hub design. Dynabrade premium urethane pads offer smoother operating performance and minimal vibration.

### FOUR Diameters:

- 3" (76 mm) - 75 grams
- 3-1/2" (89 mm) - 80 grams
- 5" (127 mm) - 100 grams
- 6" (152 mm) - 130 grams

## Random Orbital Sanders

### Dynorbital® Spirit

Air-Powered Random Orbital Sander

#### Non-Vacuum

Dynabrade's lightest Random Orbital Sander is ideal for vertical and contoured applications, and for operators with smaller hands.

"D3" improvements include distinctive look, ergonomic tool grip for added comfort, increased vacuum efficiency and new muffler design.

For light-to-medium duty customers who demand the Dynabrade Difference!

#### Self-Generated Vacuum

Includes low profile, premium urethane weight-mated sanding pad.

Ready for connection to optional portable self-contained dust collection system



Model 59020



Model 59023



Portable Dust Collection System (Optional)

AM id	Model Number	Vacuum Style	Tool Dia. Inch (mm)	Dia. Orbit Inch (mm)	Sound Level	Weight Pound (kg)	Length Inch (mm)
TLKITDY1210046	59020	Non-Vac	5 (127)	3/16 (5)	80dB(A)	1.4 (.6)	6-1/2 (165)
TLKITDY1210032	59023	Self-Gen	5 (127)	3/16 (5)	82dB(A)	1.5 (.7)	8-1/2 (216)

**Additional Specifications:** : Motor .25 hp (186 W) • Motor 12,000 RPM • Pad Thread 5/16"-24 Male • Air Inlet Thread 1/4" NPT  
Hose I.D. Size 1/4" (6 mm) • Air Flow Rate 14 SCFM/396 L/Min • Height 3-1/2" (89 mm) • Air Pressure 90 PSIG (6.2 Bar)  
Sound Level is the pressure measurement according to the method outlined in ISO regulation ISO-15744

### Refined Ergonomic Tool Grip

Allows more comfortable grip and feel, reducing operator fatigue and increasing efficiency.

### Auto-Recess Throttle Lever

Lever recesses into housing grip when depressed, eliminating pressure-point on operator's palm. Lever is color-coded to identify tool orbit.

### Comfort Platform

U.S. Patent No. D610,428  
Provides additional hand and wrist support, enhancing operator comfort.

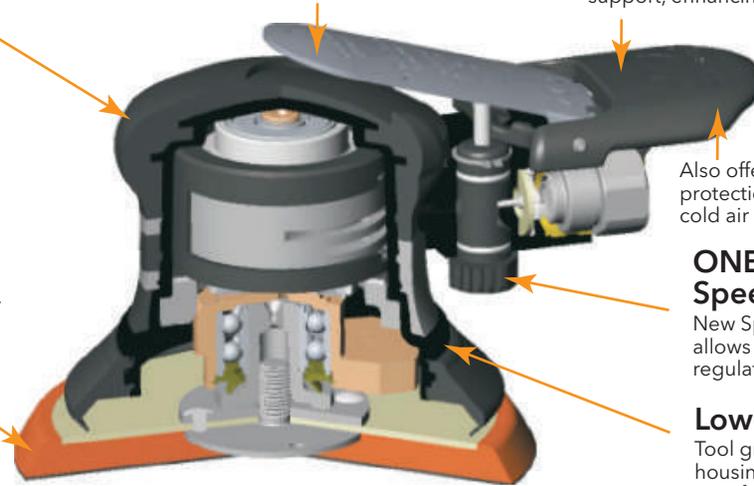
### Perfectly Balanced Sanding Pad

**Ask for the ORANGE!**

Perfectly-balanced, weight-mated sanding pad with exclusive single-piece hub design. Dynabrade premium urethane pads offer smoother operating performance and minimal vibration.

### THREE Diameters:

- 3-1/2" (89 mm) - 80 grams
- 5" (127 mm) - 100 grams
- 6" (152 mm) - 130 grams



Also offers protection against cold air exhaust.

### ONE-HAND Speed Control

New Speed Control dial allows "thumb control" regulating of tool speed.

### Low-Vibration Design

Tool grip fully covers tool housing, minimizing vibration transfer to operator.

### Enhanced Vacuum Capabilities

Vacuum port diameter is increased by 110%, allowing maximum capture of dust and debris!



Shroud included with all Dynorbital® Supreme, Dynorbital® Silver Supreme, and Dynorbital-Spirit® vacuum models.

**Additional Specifications:** Motor .28 hp (209 W) • Motor 12,000 RPM • Pad Thread 5/16"-24 Male • Air Inlet Thread 1/4" NPT  
Hose I.D. Size 1/4" (6 mm) • Air Flow Rate 18 SCFM/510 L/Min • Height 3-1/2" (89 mm) • Air Pressure 90 PSIG (6.2 Bar)  
Sound Level is the pressure measurement according to the method outlined in ISO regulation ISO-15744

## Random Orbital Sanders

### Dynorbital® Supreme

Air-Powered Random Orbital Sander

*Setting the Standard for Random Orbital Supremacy!*

- The cornerstone of the "D3" Series, Dynorbital® Supreme sports a distinctive look, signifying many innovations and improvements!
- "D3" advancements include refined ergonomic design, increased vacuum capabilities, aggressive 3/8" (10 mm) orbit and more.
- When operating on work surface, tool maintains highest RPM in the industry!

### Non-Vacuum

- Includes low profile, premium urethane weight-mated sanding pad.
- Optional vacuum conversion kits are available to easily convert non-vacuum tool to self-generated vacuum tool or central vacuum tool

Model 56815



Model 56818



AM id	Model Number	Vacuum Style	Tool Dia. Inch (mm)	Dia. Orbit Inch (mm)	Sound Level	Weight Pound (kg)	Length Inch (mm)
TLKITDY1210042	56815	Non-Vac	5 (127)	3/16 (5)	80dB(A)	2.1 (1)	6 (152)
TLKITDY1210021	56818	Self-Gen	5 (127)	3/16 (5)	82dB(A)	2.1 (1)	8-1/2 (216)



Portable Dust Collection System (Optional)

Random Orbital Sanders

**Dynorbital® Extreme**

Random Orbital Sander Series



**EXTREME sanding in any application from Dynabrade, the premier random orbital solution provider.**

Dynabrade proudly introduces our most refined random orbital sander to date. The Dynorbital® Extreme boasts the greatest power and most consistent speed of any palm-style orbital sander. Power and speed combine to quickly and reliably produce the desired finish, while ergonomic features keep operators safe and comfortable throughout their day. Symmetrical design allows left or right-handed operators to work comfortably, while the compact size of the Dynorbital® Extreme fits naturally in most operator’s hands.

*American-made from the highest grade materials for long-life and high durability.*

**EXTREME POWER**

- New motor design has the highest power-to-weight ratio in the industry, with 0.3 hp at 1.8 lbs.
- Most consistent speed under load in industry, running at 92% of rated tool speed.
- New rotor design enhances power with less friction.

**EXTREME COMFORT**

- Ergonomic design with integrated comfort platform for more wrist support and overall operator comfort.
- Soft grip co-molded to rigid composite base housing for maximum comfort and durability.
- Recessed throttle lever eliminates pinch and pressure points on an operator’s palm.

**EXTREME PERFORMANCE**

- Achieve consistent, superior finishes in less time.
- Premium sanding pad is weight-mated for the lowest vibration levels.
- Made from the highest quality materials for extreme durability and longevity.



## Random Orbital Sanders

### Dynorbital® Extreme

Random Orbital Sander Series



Feature	Benefit
1 Recessed Throttle Lever	Eliminates pressure point on palm
2 Integrated Comfort Platform	Provides enhanced ergonomic comfort
3 Comfort Grip	Tactile, ambidextrous design
4 Lip Seal Shroud	Allows excellent vacuum performance
5 Weight-mated Sanding Pad	For reduced vibration and consistent finishes
6 Integrated Swivel Cuff	Secure, maneuverable vacuum connection
7 Increased Port Size	For better vacuum capture rate

### Ideal Industries



**12 MODELS AVAILABLE**

Pad Diameter  
5" (127mm) or 6" (152mm)

Orbit Diameter  
3/16" (5mm) or 3/32" (2.5mm)

Source Capture  
Non-Vacuum or Central Vacuum

**3/16" DIA. ORBIT**  
General Sanding  
Teal Throttle Lever

**3/32" DIA. ORBIT**  
Ultra-Fine Sanding  
Black Throttle Lever

**LIFETIME WARRANTY**

**TECH TIP** For a swirl-free finish, always start the sander on the work surface and stop the sander off the surface.

AM id	Part No	Pad Type	Orbit Dia.	Vacuum Type	RPM	Power	Sound	Max. Air Flow	Weight	Height	Length
TLKITDY1210048	X51	PSA	3/16" (5 mm)	Non-Vacuum	12,000	0.3 hp (224 W)	74 dBA	19 SCFM (538 LPM)	1.78 lb (0.8 kg)	3.7" (95 mm)	6.9" (176 mm)
TLKITDY1210049	X51V	Hook-Face		Central Vacuum			73 dBA				9.1" (230 mm)
TLKITDY1210050	X51H			74 dBA							

Additional Specifications: Air Inlet - 1/4" NPT | Air Hose I.D. - 1/4" (6mm) | Air Pressure - 90 PSIG (6.2 Bar)

## Mobile Automotive Vacuum System

### Mini-Raptor Vac® Packs

## Mini-Raptor Vac® : Pro-Pack

### Mobile Automotive Vacuum System

Designed for peak efficiency, the Pro-Pack equips a single operator with a complete system for sanding and dust collection. Featuring a Vacuum Auto On/Off, the Pro-Pack saves time and energy by automatically turning suction on and off with tool use. The Pro-Pack has on-board, stackable storage to keep abrasives, and tools accessible and organized.



### PRO-PACK 10029 Includes:

- Mini-Raptor Vac® 61100
- Mini-Raptor Vac® Cart 61486
- Dynorbital-Spirit® 21064
- 20' Vac & Air Hose Assembly 31972
- Storage System 61503 & 61505
- Auto On/Off 61565

- 1 PREMIUM CART WITH ACCESSORY SHELF
- 2 ON-BOARD, STACKABLE AND LOCKABLE STORAGE
- 3 TOOL & HOSE HANGER
- 4 MINI-RAPTOR VAC® AUTO ON/OFF
- 5 INDUSTRIAL LOCKING CASTERS
- 6 STAINLESS CANISTER WITH HEPA FILTER & BAG
- 7 ERGONOMIC HOSE ASSEMBLY



### RAPTOR VAC® AUTO ON/OFF 61565

- Tool use activates vacuum suction
- 1/2" Air Inlet & Outlet
- 120v

\* Shown with optional 61561 Mini-Raptor Vac® Single Tool Connection Kit

## Mini-Raptor Vac® : Enhanced Pack

Mobile Automotive Vacuum System



When getting the job done requires more than you can carry the Mini-Raptor Vac® Enhanced Pack provides the extra hand you need. The premium cart stores your vacuum, tool & hose while providing a convenient shelf for additional abrasives, hand tools, compounds, polishes and tapes.

- 1 PREMIUM CART WITH ACCESSORY SHELF
- 2 TOOL & HOSE HANGER
- 3 INDUSTRIAL LOCKING CASTERS
- 4 STAINLESS CANISTER WITH HEPA FILTER & BAG
- 5 ERGONOMIC HOSE ASSEMBLY

### Enhanced Pack 10030 Includes:

- Mini-Raptor Vac® 61100
- Mini-Raptor Vac® Cart 61486
- Dynorbital-Spirit® 21064
- 20' Vac & Air Hose Assembly 31972



## Mini-Raptor Vac® : Standard Pack

Mobile Automotive Vacuum System



Fending off dust and creating an efficient and safe work environment begins with the Mini-Raptor Vac® - Standard Pack. The combination of Dynorbital-Spirit®, Raptor Vac® and cart provides a mobile sanding solution for dusty shops.

- 1 M-CLASS RAPTOR VAC
- 2 20' VACUUM HOSE ASSEMBLY
- 3 CARRIAGE HANDLE & DOLLY
- 4 STAINLESS CANISTER WITH HEPA FILTER & BAG

### Standard Pack 10031 Includes:

- Mini-Raptor Vac® 61100
- Mini-Raptor Vac® Handle & Dolly
- Dynorbital-Spirit® 21064
- 20' Vac & Air Hose Assembly 31972



**96605**  
Built-in storage for optional cleaning kit

## Mini-Raptor Vacuum Systems

Dust Collection Systems for the Automotive Industry

Mini-Raptor Vac® Pack sanding systems tackle a variety of applications from everyday shop cleanup to demanding sanding applications. Utilizing HEPA filtration and having a M-Class rating contribute to an optimal work environment by assuring the capture of dust 10x finer than L-Class vacuum systems. The power cord and vacuum hose combine with the mobility of a cart to provide 40' of reach for operators; giving them flexibility to move throughout the shop and around standard size and extended length vehicles while sanding.

From the Starter Pack to the Pro Pack each system is modular and can expand as your needs grow. Need dust collection for a second operator? Simply add a Y-connector and additional hose to create a two-person sanding station. Want to save time and energy spent manually turning the vacuum on and off, just add the Mini-Raptor Vac® Auto On/Off. Mix and match these and other optional accessories to customize the Vac Pack for your use.

### RAPTOR VAC® VACUUM SYSTEMS

16 gallon collection capacity, 20' coaxial hose with integrated air line, HEPA bag and filter.



### AUTOMOTIVE CARTS

Standard Pack: Carriage handle and dolly with integrated accessory storage

Enhanced and Pro Pack: Premium powder coated steel cart with accessory shelf, convenient tool/hose hanger and locking casters.



### DYNORBITAL®-SPIRIT

Lightweight, high-performance sanding coupled with powerful vacuum pickup. Features a comfort platform, auto-recess throttle lever, tactile grip, and weight-mated sanding pad.



## Component Specifications



Model No.	Amp	Capacity	Power	Watts	Water Static Lift	Air Flow	Sound	Height	Width	Length
61100	12A	16 Gallon (60.5 Liter)	2hp	1440	94"/238 cm/234 mbar	143 CFM (4,050 L/Min)	80 dBA	28" (71 mm)	21" (53 mm)	18" (46 mm)



Model No.	Diameter	Orbit Dia.	Sound	RPM	Power	Weight	Height	Width	Air Inlet
21064	6" (152 mm)	3/16" (5 mm)	77 dBA	12,000	.25 hp (186 W)	1.6 lb (0.6 kg)	3.5" (89 mm)	7.75" (197 mm)	1/4" NPT



Model No.	Platform Dimensions	Weight	Shipping Weight	Height	Width	Length
61486	18" (457mm) x 24" (610mm)	75 lb. (34kg)	89 lb. (40kg)	43.5" (110cm)	25.3" (64cm)	30.7" (78cm)



Model No.	Height	Width	Length	Weight
61503	6" (15mm)	12" (30cm)	16" (41cm)	2 lb. (0.9kg)



**INCLUDES**  
61505 Mounting Kit

## Random Orbital Sanders

### Random Orbital Sander Accessories

#### Electric Portable Vacuum System

- Heavy duty stainless steel drum; variable vacuum control.
- HEPA filtration (0.3 micron) with felt insert and paper bag.
- Electronic thermal protection device prevents heat overload of motor.
- Heavy duty four-wheel trolley with easy "tilt 'n clean" drum.

##### Model 61302

- 9.9 Gallon Capacity
- 240V (AC)

##### Model 61303

- 17 Gallon Capacity
- 240V (AC)

*Portable Vacuums available in many other voltage formats.*



#### Portable Self-Contained Dust Collection Systems

- For use with Dynabrade Self-Generated Vacuum tools.
- Systems include 1" (25 mm) dia. x 6' (1.8 m) long 50682 Flex-Hose.

##### Part No. 50617

- Includes 50683 Bag with hook-face closure.

##### Part No. 56303

- Includes 56304 Bag with zipper-lock closure.

##### Part No. 50683

##### Hook-Face Closure Reusable Felt Bags

- 14-1/2" (368 mm) long x 7-1/2" (191 mm) wide.
- One-micron filter rating. Bag traps over 99% of vacuum particles one micron



50617



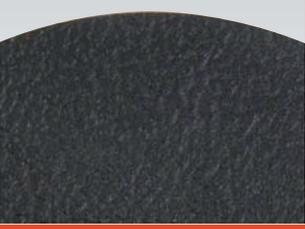
50683

## Random Orbital Sanding Pads

### Vinyl-Face Random Orbital Sanding Pads

With Dynabrade's Exclusive Single-Piece Hub Design!

- Exclusive single-piece hub design reduces pad vibration and ensures smooth performance.
- PREMIUM URETHANE Sanding Pads are perfectly weight-mated to Dynabrade tools, for achieving consistent **swirl-free finishes**.



**Vinyl-Face Pads**

Ideal for PSA-type disc adhesion. Remove abrasive adhesive paper liner and press abrasive to vinyl-face sanding pad. Quick disc removal.



**Non-Vacuum Pads**

High quality backup pad. Weight-mated for smooth running and minimal tool vibration.



**Vacuum Pads**

Holes are precisely located to achieve proper alignment with abrasive discs, for optimum vacuum capabilities.

*Ask for the ORANGE!*



### Non-Vacuum Pads



AM id	Pad Diameter	Part Number	Thickness	Density
TLACCDY1210015	3" (76 mm)	56084	5/8" (16 mm)	Medium
TLACCDY1210041	3-1/2" (89 mm)	56098	5/8" (16 mm)	Medium
TLACCDY1210018	5" (127 mm)	56106	3/8" (10 mm)	Medium
TLPRTDY1210056		56175	5/8" (16 mm)	Medium
TLACCDY1210042	6" (152 mm)	56107	3/8" (10 mm)	Medium
TLACCDY1210043		56177	5/8" (16 mm)	Medium
TLPRTDY1210057		56234	3/8" (10 mm)	Medium

All Pads: 13,000 RPM maximum operating speed; 5/16"-24 male thread. (8" dia. pad mounts with 5 screws. 10,000 RPM max.)

### Vacuum Pads



AM id	Pad Diameter	Part Number	Holes	Thickness	Density
TLACCDY1210017	5" (127 mm)	56104	5	3/8" (10 mm)	Medium
TLACCDY1210044		56176	5	5/8" (16 mm)	Medium
TLACCDY1210045		56241	6	3/8" (10 mm)	Medium
TLACCDY1210036	6" (152 mm)	56105	6	3/8" (10 mm)	Medium
TLACCDY1210046		56178	6	5/8" (16 mm)	Medium
TLACCDY1210047	8" (203 mm)	56235	5	3/8" (10 mm)	Medium

All Pads: 13,000 RPM maximum operating speed; 5/16"-24 male thread. (8" dia. pad mounts with 5 screws. 10,000 RPM max.)

**\*NOTE:** Our 3" (76 mm) and 3-1/2" (89 mm) pads, without holes, can be used for vacuum sanding. Vacuum pick-up is around periphery of pad.

### Exclusive Single-Piece Hub Design



- All Dynabrade Sanding Pads feature our exclusive single-piece hub design, which reduces pad vibration and ensures smooth performance!
- Competitive pads have a hub assembled from three separate pieces, which can contribute to pad "wobbling" and uneven sanding - meaning lost time and lost profits!
- "Face Run-Out" of Dynabrade Pads measures only .002 - .005. Competitive pads measure as high as .015 - .040!

## Random Orbital Sanding Pads

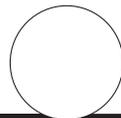
### Hook-Face Random Orbital Sanding Pads

With Exclusive Single-Piece Hub Design!

- Exclusive single-piece hub design reduces pad vibration and ensures smooth performance.
- PREMIUM URETHANE Sanding Pads are perfectly weight-mated to Dynabrade tools, for achieving consistent **swirl-free finishes**.

<p><b>Hook-Face Pads</b></p> <p>Short nap pads for use with reattachable discs. Long nap pads for use with non-woven nylon discs.</p>	<p><b>Non-Vacuum Pads</b></p> <p>High quality backup pad. Weight-mated for smooth running and minimal tool vibration.</p>	<p><b>Channel Vacuum Pads</b></p> <p>1/8" (3 mm) deep recessed channel. No need to align vacuum holes to pad holes!</p>	<p><b>Vacuum Pads</b></p> <p>Holes are precisely located to achieve proper alignment with abrasive discs, for optimum vacuum capabilities.</p>

### Non-Vacuum Pads



AM id	Pad Dia.	Part Number	Thickness	Nap	Density
TLACCDY1210048	3" (76 mm)	56087	5/8" (16 mm)	Short	Medium
TLACCDY1210049		56090	5/8" (16 mm)	Long	Medium
TLACCDY1210050		56145	1/2" (13 mm)	Short	Medium
TLPRDY1210044	3-1/2" (89 mm)	54311	5/8" (16 mm)	Short	Soft
TLACCDY1210051		54313	5/8" (16 mm)	Short	Hard
TLACCDY1210052		54314	5/8" (16 mm)	Long	Medium
TLACCDY1210053	5" (127 mm)	54325	3/8" (10 mm)	Short	Medium
TLACCDY1210054		56180	5/8" (16 mm)	Short	Medium
TLACCDY1210055	6" (152 mm)	54327	3/8" (10 mm)	Short	Medium
TLACCDY1210056		56103	3/8" (10 mm)	Short	Medium
TLACCDY1210057		56177	5/8" (16 mm)	Short	Medium
TLACCDY1210058		56182	5/8" (16 mm)	Short	Medium
TLACCDY1210059	8" (203 mm)	56236	3/8" (10 mm)	Short	Medium

All Pads: 13,000 RPM maximum operating speed; 5/16"-24 male thread.

### Vacuum Pads

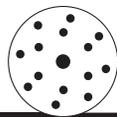


AM id	Pad Dia.	Part Number	Holes	Thickness	Nap	Density
TLACCDSD1320001	5" (127 mm)	54326	5	3/8" (10 mm)	Short	Medium
TLACCDY1210060		56155	5	3/8" (10 mm)	Short	Soft
TLACCDY1210061		56181	5	5/8" (16 mm)	Short	Medium
TLACCDY1210062		56196	5	5/8" (16 mm)	Short	Soft
TLACCDY1210063	6" (152 mm)	56240	6	3/8" (10 mm)	Short	Medium
TLACCDY1210023		56320	44	3/8" (10 mm)	Short	Medium
TLACCDY1210012		54328	6	3/8" (10 mm)	Short	Medium
TLACCDY1210064		56183	6	5/8" (16 mm)	Short	Medium
TLACCDY1210065	8" (203 mm)	56321	52	3/8" (10 mm)	Short	Medium
TLACCDY1210066		56322	48	3/8" (10 mm)	Short	Medium
TLACCDY1210067		56327	8	3/8" (10 mm)	Short	Medium

All Pads: 13,000 RPM maximum operating speed; 5/16"-24 male thread. (8" dia. pad mounts with 5 screws. 10,000 RPM max.)

\*NOTE: Our 3" (76 mm) and 3-1/2" (89 mm) pads, without holes, can be used for vacuum sanding. Vacuum pick-up is around periphery of pad.

### 15-Hole Vacuum Pad\*



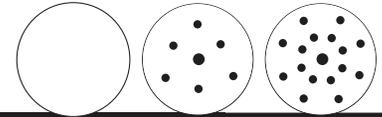
AM id	Pad Dia.	Part No.	Holes	Thickness	Nap	Density
TLACCDY1210068	6" (152 mm)	54331	15	5/8" (16 mm)	Short	Medium
TLACCDY1210069		56297	15	3/8" (10 mm)	Short	Medium

\*NOTE: This pad has unique "8+6+1" hole pattern.

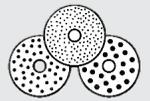
It accepts 6" (152 mm) diameter abrasive discs with these hole patterns:

- 6-Hole • 6+1 • 8+1 • 8+6+1 • 21-Hole • Mesh or Multi-Hole

### Economy Pads



AM id	Pad Dia.	Part Number	Holes	Thickness	Nap	Density	Type
TLACCAM1000005	5" (127 mm)	TY1050 PSA-MED	0	3/8" (10 mm)	Short	Medium	PSA
TLACCAM1000006		TY1050 Hook-It Med	0	3/8" (10 mm)	Short	Medium	Hook-It
TLACCDSD1320001	6" (152 mm)	TLACC SA 4326	7	3/8" (10 mm)	Short	Medium	Hook-It
TLACCAM1000007		TLACC SA 4327	0	3/8" (10 mm)	Short	Medium	Hook-It
TLACCAM1000008		TLACC SA 6297	17	3/8" (10 mm)	Short	Medium	Hook-It



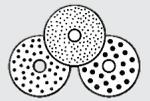
## Sanding Discs

for use with Dynabrade Orbital Sanders and Sanding Pads

Grade	Sandwox Purple Disc Velcro Type		
	127mm/5" Multiholes	127mm/5" 7 Holes	127mm/5" No Holes
P60	ABDSCSW1780088	ABDSCSW1780025	ABDSCSW1780100
P80	ABDSCSW1780079	ABDSCSW1780026	ABDSCSW1780036
P100	ABDSCSW1780080	ABDSCSW1780027	ABDSCSW1780037
P120	ABDSCSW1780081	ABDSCSW1780028	ABDSCSW1780038
P150	ABDSCSW1780082	ABDSCSW1780029	ABDSCSW1780039
P180	ABDSCSW1780083	ABDSCSW1780030	ABDSCSW1780040
P220	ABDSCSW1780084	ABDSCSW1780031	ABDSCSW1780041
P240	ABDSCSW1780085	ABDSCSW1780032	ABDSCSW1780042
P280	ABDSCSW1780089	ABDSCSW1780096	ABDSCSW1780101
P320	ABDSCSW1780086	ABDSCSW1780033	ABDSCSW1780043
P400	ABDSCSW1780090	ABDSCSW1780034	ABDSCSW1780044
P500	ABDSCSW1780091	ABDSCSW1780035	ABDSCSW1780045
P600	ABDSCSW1780092	ABDSCSW1780097	ABDSCSW1780102
P800	ABDSCSW1780093	ABDSCSW1780098	ABDSCSW1780103
P1000	ABDSCSW1780094	ABDSCSW1780087	ABDSCSW1780104
P1200	ABDSCSW1780095	ABDSCSW1780099	ABDSCSW1780105



Grade	Hermes VC 154 Velcro	Hermes VC 151 Velcro	Hermes VC 151 Velcro
	127mm/5" Multiholes	127mm/5" 8 Holes	127mm/5" No Holes
P60	ABDSCHM1730001	ABDSCHM1730015	ABDSCHM1730028
P80	ABDSCHM1730002	ABDSCHM1730016	ABDSCHM1730029
P100	ABDSCHM1730003	ABDSCHM1730017	ABSHTHM1730003
P120	ABDSCHM1730004	ABDSCHM1730018	ABDSCHM1730030
P150	ABDSCHM1730005	ABDSCHM1730019	ABDSCHM1730031
P180	ABDSCHM1730006	ABDSCHM1730020	ABDSCHM1730032
P240	ABDSCHM1730007	ABDSCHM1730021	ABSHTHM1730004
P320	ABDSCHM1730008	ABSHTHM1730002	ABDSCHM1730033
P400	ABDSCHM1730009	ABDSCHM1730022	ABDSCHM1730034
P500	ABDSCHM1730010	ABDSCHM1730023	ABDSCHM1730035
P600	ABDSCHM1730011	ABDSCHM1730024	ABDSCHM1730036
P800	ABDSCHM1730012	ABDSCHM1730025	ABDSCHM1730037
P1000	ABDSCHM1730013	ABDSCHM1730026	ABDSCHM1730038
P1200	ABDSCHM1730014	ABDSCHM1730027	ABDSCHM1730039



Grade	236U Stikit Disc Roll
	125mm/5" No Holes
P80	ABRLLMM1100010
P100	ABRLLMM1100012
P120	ABRLLMM1100014
P150	ABRLLMM1100016
P180	ABRLLMM1100017
P240	ABRLLMM1100019
P320	ABRLLMM1100020
P400	ABRLLMM1100040
P500	ABRLLMM1100041
P600	ABRLLMM1100042



## Grades

Sandpaper is graded based upon the number of abrasive particles per square inch that make up the sandpaper. The lower the number, the coarser the grit. Sandpapers function by grade : Material Removal (60 to 120 grit), White Body Sanding (150 to 280), Primer Sanding (320 to 800), Finishing (1000 to 1200)

## Backing Type

### Velcro

Hookit / Velcro has hooks and loops that are used to attach the sandpaper to a machine such as a random orbital sander or disc sander

### PSA

PSA (pressure sensitive adhesive) backing for easy, secure attachment. The discs feature an anti-clog zinc stearate coating to resist dust build-up.

## Paint Repair System

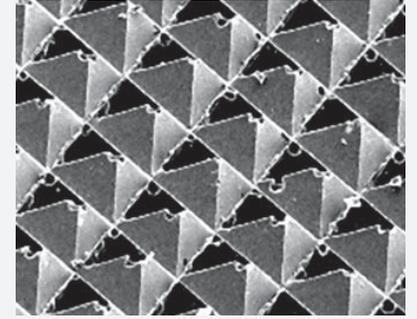
### 3M™ Trizact™ Finesse-it™ Paint Defect Repair System

#### The professional's choice for repairing automotive finishes

- Removes small defects in two easy steps
- Saves repair costs
- Reduces labor costs; improves productivity
- Provides a permanent repair to help maintain your reputation for quality

The 3M™ Trizact™ Finesse-it™ Paint Defect Repair System gives you a faster, easier way to make high-quality repairs of minor clearcoat defects, such as dust and minor scratches.

The Finesse-it system uses advanced 3M abrasive technology to quickly remove imperfections, then polish out fine sanding scratches in just two simple steps - making conventional 3 and 4-step repair methods obsolete.



The precisely-microreplicated 3D surface of Trizact™ Finesse-it™ Film 468LA is clearly visible under magnification.

#### Precision finishing - by design

The secret of the fast, fine and predictable finish of the Finesse-it system lies in the unique construction of the 3M™ Trizact™ Finesse-it™ Film Disc 468LA.

Using patented 3M microreplication technology, micron-graded silicon carbide particles are formed into tiny pyramids of abrasive mineral, then coated on a non-compressible polyester backing. As these pyramids wear, fresh, sharp mineral is continually exposed to give you a consistent cut and a predictable, fine finish.

In addition to high-performance abrasives, 3M microreplication technology is also used in the manufacture of a variety of 3M products such as overhead projector lenses, reflective traffic signs and solar optical films.

#### Recommended Combination Examples

Step 1 Abrasive Grade	Step 2 Polish Grade	Advantages	Comments/ Benefits
A5	EF	Good abrasive cut with an acceptable finish for standard clearcoats	Works best for standard clearcoat systems. Most commonly used at automotive OEM customers
A7	FM	Most aggressive abrasive and polish	Works best for easy-to-repair clearcoats



### Step 1 Sanding

#### Before you start...

The 3M™ Trizact™ Finesse-it™ Paint Repair System is not appropriate for all paint defect repair applications. For recommendations on how to repair larger areas, contact 3M Technical Service at 866-279-1235.

For successful results, make sure:

- The defect is minor – such as dirt, lint or small craters
- The area needing repair is small
- The paint surface has little or no orange peel

#### Machine sanding

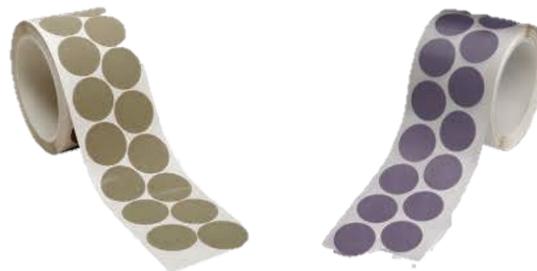
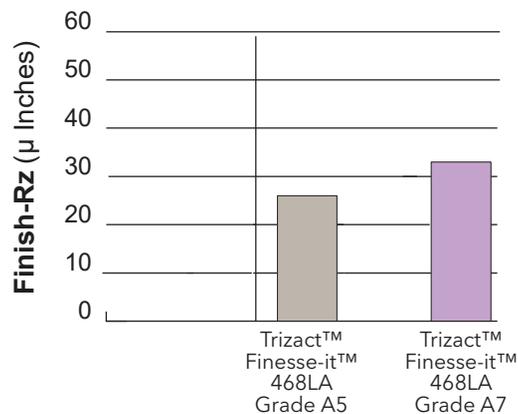
- Level/remove the defect using the 3M™ Nib Removal Sander 3125 and a 3M™ Trizact™ Finesse-it™ Disc 468LA.
- Spray the 468LA film disc with water to prevent the abrasive from loading during sanding.
- Sand the defect for 1 to 3 seconds, depending on its size.
- Wipe the area clean with a Scotch-Brite™ High Performance Cloth.

#### Sanding tips & techniques

- Use water as a lubricant during sanding. Spray the abrasive disc with water before and after sanding each spot to keep the disc clean and extend its life. Make sure the backup pad is dry when replacing the disc.
- Sand in a small circular motion with the pad flat against the surface.
- Avoid over-sanding. Use a light feathering technique. Keep the sanded area as small as possible.
- Use extra caution to prevent over sanding when machine sanding near the edges of panels, which are less flexible and typically have thinner coatings. If preferred, these areas can be hand-sanded.

#### Hand sanding

- Level/remove the defect using a 3M™ Finesse-it™ Hand Pad and a 3M™ Trizact™ Finesse-it™ Disc 468LA.
- Spray the 468LA disc with water to prevent the abrasive from loading during sanding.
- Sand the defect for 3 to 5 seconds, depending on its size.
- Wipe the area clean with a Scotch-Brite™ High Performance Cloth.



#### Product/Grade

Compared to paper and film-backed abrasives, Trizact™ Finesse-it™ Film 468LA produces finer finishes.

#### 3M™ Trizact™ Finesse-it™ Film 468LA Product Selection Guideline



Trizact film discs are available in three grades, for use on a variety of topcoats and to accommodate most finish and process requirements.

## Paint Repair System



### Step 2 Polishing

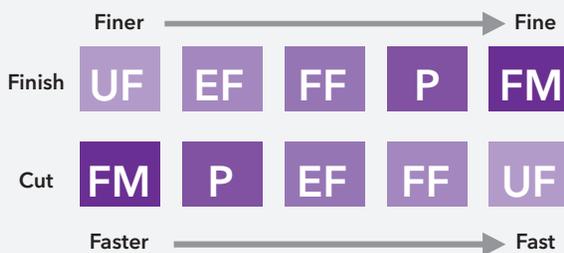
#### Preconditioning

The buff pad only needs to be conditioned when it is new. To condition the buff pad, apply "chocolate chip"-sized drops of the appropriate polish to the valleys on the buff pad. After the polish has been applied to the buff pad, fold the pad in half and apply pressure. Open the pad and rotate 90°, then fold buff pad in half again and apply pressure.

#### Polishing

- A. Apply a small drop of 3M™ Finesse-it™ Polish - Extra Fine on the sanded area. Spread the polish evenly over the spot using the buffing pad, without running the buffer.
- B. Use a random orbital buffer, such as a Dynabrade™ Dynabuffer™, and a 3M™ Finesse-it™ Buffing Pad.
- C. Polish for 5 to 10 seconds.
- D. Wipe the area clean with a Scotch-Brite™ High Performance Cloth.

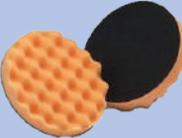
#### 3M™ Finesse-it™ Polishes Product Selection Guideline



UF = Ultra Fine  
 EF = Extra Fine  
 FF = Final Finish  
 P = Purple  
 FM = Finishing Material



Application	Product Category	AM id	Description	Color	Size	Product ID	Picture
<b>STEP 1</b> SANDING	Abrasives	ABRLLMM1100039	Grade A5	Gray	1-1/4" diameter	466LA	
		ABRLLMM1100040	Grade A7	Purple	1-1/4" diameter	468LA	
		ABSHTHM1730001 / ABSHTHM1730007 / ABSHTHM1730008	WS FLEX 16 P1500 / P2000 / P2500	Blue	6" x 9"	WS FLEX 16	
<b>MACHINE</b> SANDING	Tools	TLKITMM1100011	Sanding tools for Trizact Discs, 7,500 RPM	Red	1-1/4" diameter	3125	
		TLKITDY1210029	57920 T-SANDER, NON VACUUM, 20,000 RPM	Green	4"X4-5/16"	57920	
		TLKITMM1100012	Air Polishing Sander Pneumatic Buffing Tools Paint Finishing Machine 3,000 RPM	Blue	2" / 3"	7403	
<b>STEP 2</b> POLISHING	Compounds	ABSPEMM1100012	Fast Cut	White	1 Litre	9374	
		ABSPEMM1100018	Fast Cut Plus	White	1 Quart	50417	
		ABSPEMM1100026	FM (Finishing Material)	White	2.8KG	PASTE GLAZE FINESSE-IT	
		ABSPEMM1100013	FM (Finishing Material)	White	1 Gallon	13084	
		ABSPEMM1100011	Perfect-It™ EX Machine Polish	Black, Gray	1 Quart	6094	
		ABSPEMM1100008	EF (Extra Fine)	White	1 Gallon	6002	
		ABSPEMM1100009	Perfect-It™ EX Ultrafine	Blue, White	1 Quart	6068	
		ABSPEMM1100020	FF (Final Finish)	White	1 Gallon	82878	
	Pads	ABSPEMM1100023	3M™ Finesse-it™ Buffing Pad 02648B, 3-1/4 in Orange Foam Black Loop	Orange	3"	02648B	
		ABSPEMM1100022	3M™ Finesse-it™ Buffing Pad 02362, 5-1/4 in Orange Foam White Loop	Orange	5"	02362B	
		ABSPEDY1210001	90046 6" (152 mm) Dia. Polishing Pad, Foam, Flat Face Reattachable Hook-Face Backing	Yellow	6"	90046	
		ABSPEDY1210002	90028 3" (76 mm) Dia. Polishing Pad, Synthetic Wool Reattachable Hook-Face Backing	White	3"	90028	
		ABSPEDY1210003	90081 5" (127 mm) Dia. Polishing Pad, Natural Sheepskin Wool Reattachable Hook-Face Backing	White	5"	90081	
		ABSPEMM1100005	3m™ superbuff™ compounding pad 5701 2+2 228mm	Yellow	9"	5701	

PROCESS	TOOLS	ABRASIVE	
SANDING	 <p>57920 T - SANDER, NON VACUUM, 20,000 RPM TLKITDY1210029</p>	 <p>HERMES WS FLEX 16 P1500 / P2000 / P2500 ABSHTM1730001 / ABSHTM1730007 / ABSHTM1730008</p>	
	 <p>3M 3125 SANDING TOOLS FOR TRIZACT DISCS, 7,500 RPM TLKITMM1100011</p>	 <p>3M TRIZACT DISC GRADE A5 (466LA) / A7 (468LA) ABRLMM1100039 / ABRLMM1100040</p>	
PROCESS	TOOLS	PADS	COMPOUNDS
BUFFING	 <p>51401 DYNABRADE 7° OFFSET ROTARY BUFFER HOOK-FACE PAD, 5,000 RPM TLKITDY1210010</p>	 <p>90028 3" DIA. POLISHING PAD, SYNTHETIC WOOL REATTACHABLE HOOK-FACE BACKING ABSPEDY1210002</p>	 <p>9374 3M FAST CUT, 1 LITRE ABSPEMM1100012</p>
	 <p>7403 3M AIR POLISHING SANDER PNEUMATIC BUFFING TOOLS PAINT FINISHING MACHINE 3,000 RPM TLKITMM1100012</p>	 <p>90027 3" TERRY CLOTH HOOK FACE POLISHING PAD TLACCDY1210030</p>	 <p>50417 3M FAST CUT PLUS, 1 QUART ABSPEMM1100018</p>
POLISHING	 <p>7403 3M AIR POLISHING SANDER PNEUMATIC BUFFING TOOLS PAINT FINISHING MACHINE 3,000 RPM TLKITMM1100012</p>	 <p>90028 3" DIA. POLISHING PAD, SYNTHETIC WOOL REATTACHABLE HOOK-FACE BACKING ABSPEDY1210002</p>	 <p>PERFECT-IT ULTRA FINE, 1 QUART ABSPEMM1100009</p>
	 <p>9403 3M™ POLISHING SANDER, 10,000 RPM TLPRMM1100001</p>	 <p>02648B 3M™ FINESSE-IT™ BUFFING PAD, 3-1/4 IN ORANGE FOAM BACK LOOP ABSPEMM1100023</p>	 <p>06094 3M PERFECT-IT, 1 QUART ABSPEMM1100011</p>
		 <p>02648B 3M™ FINESSE-IT™ BUFFING PAD, 3-1/4 IN ORANGE FOAM BACK LOOP ABSPEMM1100023</p>	 <p>06002 3M FINESSE-IT POLISH EXTRA FINE, 1 GALLON ABSPEMM1100008</p>
			 <p>82878 3M FINESSE-IT FINAL FINISH, 1 GALLON ABSPEMM1100020</p>

## Sanders

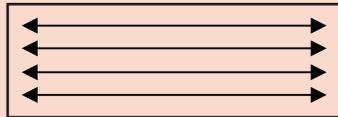
### Dynaline Sander

In-Line Sanders are ideal for leveling filler or blocking using adhesive backed coated and non-woven abrasives. Use long nap, hook-face pad number 57582 with model 57400 with non-woven abrasives for scuffing and blending.

#### FEATURES

- Uses adhesive-backed coated and non-woven nylon sheets and rolls. Quality constructed pad is weight-mated to tool for low vibration, smooth operation and superior finishes
- Comfort platform provides additional hand and wrist support
- 2,400 strokes per minute at 90 PSIG (6.2 Bar)

**IN-LINE MOTION**  
For Stripping  
and Blending



AM id	Model Number	Vacuum Type	Sound Level	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
TLKITDY1210061	57400	Non-Vacuum	79 dBA	2.6 (1.2)	7 (178)	3.75 (95)
TLKITDY1210027	57407	Non-Vacuum with clips	84-85dBA	2.6 (1.2)	7 (178)	3.75 (95)

Additional Specifications:  
Air Inlet Thread 1/4" NPT • Hose I.D. Size 1/4" (6) • Air Pressure 90 PSIG  
Maximum Air Flow 18 SCFM (510 L/Min)



Model 57400

**Speed**  
2,400RPM  
**Power**  
0.3hp(186W)



Model 57407



### TECH TIP

Sanding Pad can be rotated 360° for adjusting to most efficient position per application.



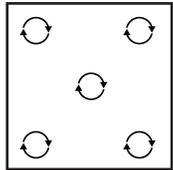
### Benefits

The in-line sanding motion of a Dynaline sander provides technicians with a powered option for completing traditional hand blocking applications. When used with non-woven abrasives Dynaline sanders are a great option for scuffing and surface preparation applications.

## Sanders

### DYNABUG® "MODEL T"

- For Featheredging, Finishing, Sanding and Blending
- Each Model is Equipped with a Urethane Inlet Hose



ORBITAL MOTION

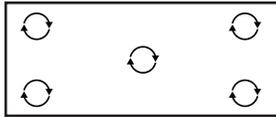
#### NON-VACUUM

- 4" x 4-5/16" Pad (with Clips)
- Model 57920 (TLKITDY1210029)
- Includes 57999 Vinyl-Face Pad.



### DYNABUG® "JITTER-BUG" ORBITAL SANDER

- For Featheredging, Finishing, Sanding and Blending
- 10,000 RPM Motor with 3/32" Diameter Orbit



ORBITAL MOTION

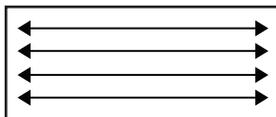
#### NON-VACUUM

- Model 57810 (TLACCDY1210025)
- Includes 57850 Vinyl-Face Pad.



### DYNALINE SANDER

- Ideal on Wood, Metals, Composites, Solid Surfaces
- In-Line Finishing Sander, 2,400 Strokes Per Minute



IN-LINE MOTION

#### VERSATILITY KIT

- Model 57405 (TLKITDY1210060)
- Includes 57400 tool, sanding pad and two abrasives.



## 3M Abrasive Systems

Scotch-Brite™ Hand Finishing Systems

# Scotch-Brite™



## More Choices

### Clean, Scuff & Finish

Wide array of hand pads for cleaning, scuffing, deburring, finishing and other surface conditioning applications.

Hand Finishing

# Scotch-Brite™ Hand Pads

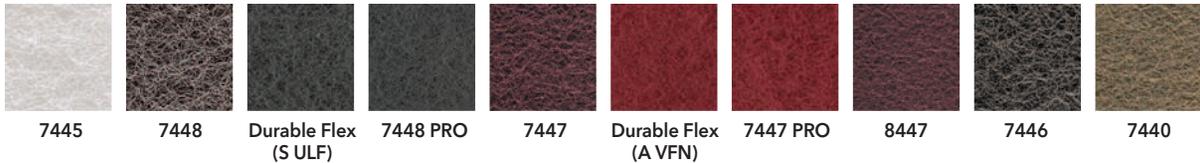
Scotch-Brite™ Hand Pads give you a fast, consistent scuff for everyday surface preparation. Ideal for cleaning parts and scuffing prior to staining and painting. Also a great alternative to steel wool – similar performance without the rusting or splintering.

Performance	Blending	Finishing	Cleaning
Premium	7447	7447	
Best	7440	7440	7447
Better	7447		



Finish

More Aggressive / Coarser Finish



## Scotch-Brite™ Light Duty Cleansing Pad 7445

- Very mild abrasive for gentle, yet thorough cleaning
- Commonly used with liquid detergent
- Performance similar to steel wool grade 0000



UPC	NWSHTMM1100011
W x L	6" x 9"
Grade	F SFN
Color	White
Qty/Case	60

## Scotch-Brite™ General Purpose Hand Pad 7447

- Worldwide standard for surface conditioning
- Clean, blend, finish and deburr faster, easier, and with better results than conventional abrasives
- Performance similar to steel wool grade 1



UPC	NWSHTMM1100005
W x L	6" x 9"
Grade	A VFN
Color	Maroon
Qty/Case	60

## Scotch-Brite™ Ultra Fine Hand Pad 7448

- Ultra fine consistent finishes on metals, woods, plastics and composites
- Performance similar to steel wool grade 00



UPC	NWSHTMM1100006
W x L	6" x 9"
Grade	S ULF
Color	Gray
Qty/Case	60

## Scotch-Brite™ Heavy Duty Hand Pad 7440

- Most durable and aggressive pad for quick stock removal
- Cuts fast to remove contaminants and oxides in demanding cleaning and finishing applications
- Performance similar to steel wool grade 4



UPC	NWSHTMM1100003
W x L	6" x 9"
Grade	A MED
Color	Gray
Qty/Case	40

Hand Finishing

3M Food Services Business  
Scotch-Brite™ Hand Pads



**Scotch-Brite™ Power Pad 2000 Heavy Duty**

A new innovative hand pad designed for the toughest, dirtiest jobs, yet gentle enough to use on most surfaces. Cleans four times faster than a conventional commercial scourer.



**Scotch-Brite™ General Purpose Scouring Pad 96 - Medium Duty**

Use for everyday cleaning of most cooking utensils and equipment.



**Scotch-Brite™ White Cleaning Pad 98 - Light Duty**

Excellent for light cleaning such as dishes, rubber, ceramic, porcelain, stainless steel, chrome and painted fixtures.

AM id	Products	Size	Aggresiveness	Color
NWSHTMM1100001	Scotch-Brite™ Power Pad 2000	5.5" x 3.9"	Heavy Duty	Blue
NWSHTMM1100009	Scotch-Brite™ General Purpose Scouring Pad 96	6" x 9"	Medium Duty	Green
NWSHTMM1100010	Scotch-Brite™ Light Duty Cleansing Pad 98	6" x 9"	Light Duty	White

**AM**