

Random Orbital Sanding Guide

Abrasive Discs and System Solutions



What's inside

1

Dust Management 3–5

Why dust extraction matters

2

Sanding Made Simple 6

3M™ Cubitron™ II and general purpose discs to always have in your bag

3

Random Orbital Sanding Portfolio 7–9

A full view of 3M sanding discs organized by backing type and weight

4

Sanding System Solutions 10–11

Dial in sanding disc performance by selecting the right backup pad and tool

5

Application Guide 12–13

Common sanding applications with recommended disc, backup pad and tool to serve as a starting point

6

Availability Guide 14–16

Disc availability by grade and attachment type

Focus on the health and safety of your workers

Match the right backup pad to enhance sanding disc performance

Find the best abrasive for the job

Choose the tool to optimize the system

**In Random Orbital Sanding,
it's all about putting together
the optimal system.**

► 3M™ Cubitron™ II Abrasives
Why dust extraction matters
3M Xtract™ Clean Sanding Solutions



CUBITRON™ II
Industrial Abrasives

High-performance 3M™ Cubitron™ II Abrasives

3M™ Cubitron™ II Abrasives are designed with revolutionary 3M Precision-Shaped Grain technology. As the grain wears, it continuously fractures to form sharp points and edges that slice through material, wear evenly and provide super-long life and consistency.






Revolutionary sanding technology.

Designed with 3M Precision-Shaped Grain (PSG).

Our line of 3M™ Cubitron™ II Premium Series abrasives is designed with the exclusive 3M Precision-Shaped Grain technology, providing industry leading cut rate and prolonged abrasive life for a variety of applications and substrates.

- Industry-leading cut rate — 2x faster cut than conventional abrasives
- Engineered to require less pressure
- Up to 99% dust extraction
- Discs last up to 2x longer than conventional abrasives
- Consistent, quality finish for less rework
- 3M™ Hookit™ attachment system

| | |
|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
|  710W |  775L |
| Net | Film |
|  732U |  900DZ |
| Paper | Cloth |

3M™ Cubitron™ II Abrasives
► Why dust extraction matters
3M Xtract™ Clean Sanding Solutions

Dust is a problem.

Airborne particles

The creation of airborne particles is inherent in most abrasive processes. The composition and physical cross section (quantity and distribution of particles sizes) depends on the workpiece and the properties of the abrasive product being used.

Airborne particles are hazardous to operators through contact with exposed skin or eyes, and especially by inhalation.

Extremely fine airborne particles can be particularly hazardous, as they are often invisible to the naked eye and are more easily absorbed into lungs and respiratory tracts, leading to long-term health risks.



Why dust extraction matters.



Shop Cleanliness

Shop environment and operator satisfaction



Productivity / Rework

Impacts cycle time



Health & Safety

Increase focus on operator health

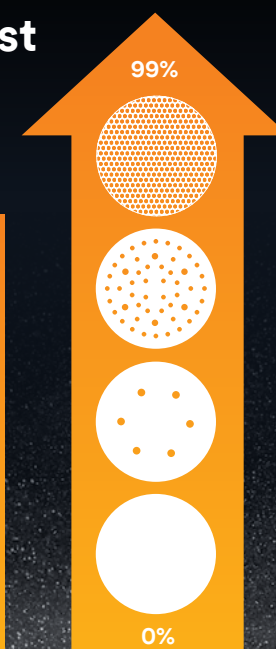
Sanding discs cut better and last longer when dust isn't loading the cutting surface of the abrasives.

Dust extraction capability is influenced by several factors.

- Number of holes in abrasive disc
- Type of vacuum
- Power of the vacuum
- Volume of swarf
- Consistent pneumatic air supply
- Shape of workpiece

With the right tools
delivers up to

99%
Dust Extraction



3M™ Cubitron™ II Abrasives
Why dust extraction matters
► 3M Xtract™ Clean Sanding Solutions

3M

Xtract™

Clean Sanding Solutions

3M Xtract™ Clean Sanding Solutions

Imagine a cleaner workspace, where sanding is virtually dust-free and performance and dust extraction are not compromised. Now that's possible.

As you sand, any dust produced is easily pulled through the net backing, continuously extracting and collecting into the vacuum system.

Cut the dust. Full system solution.

Tools designed for ease of use.

Introducing a new line of tools and accessories designed for ease of use and optimal dust extraction. So that you don't have to compromise high performance for dust management.

- Designed to be quieter, lighter and easier to operate
- Virtually dust-free working environment for easy cleanup
- Helps reduce dust exposure
- Pneumatic and electric tool options available
- Portable Dust Extractor designed for cleaner work through mobile collection



3M Xtract™ tools attach to a filter bag or dust extraction unit, so you'll have little to no additional cleaning to do after the job is done.



For more information about the
3M Xtract™ Portable Dust Extractor

[Click Here ►](#)

Sanding Made Simple ► *Always have these in your bag*



Premium Series

For quality and growth-minded sanding process owners, who are focused on optimization, product performance, and are continuously looking to improve their operations.



3M Xtract™ Cubitron™ II Net Disc 710W

- Starting point for all dust extraction applications
- Precision-shaped ceramic
- Net backing for optimum dust extraction
- 80+ – 320+ grades



3M Xtract™ Cubitron™ II Film Disc 775L

- Starting point for film
- Precision-shaped ceramic
- 3 mil film
- 80+ – 400+ grades



3M Xtract™ Cubitron™ II Cloth Disc 900DZ

- Starting point for cloth
- Precision-shaped ceramic
- J-weight cloth
- 40+ – 320+ grades

Advanced Series

For the sanding process owner looking for improved performance over a Standard product and a wider grade range than the PSG Premium series.



3M™ Cubitron™ II Hookit™ Paper Disc 950U

- Starting point for paper
- Precision shaped ceramic grain with a very open coat
- E-weight paper
- 60+ – 180+ grades



3M Xtract™ Film Disc 360L

- Aluminum oxide
- 3 mil film
- P220 – P1000 grades



3M Xtract™ Cubitron™ II Paper Discs 732U

- Starting point for paper
- Precision-shaped ceramic
- C-weight paper
- 80+ – 220+ grades

Standard Series

For the sanding process owner who focuses on volume over quality and who cannot, or does not, recognize the value of a Premium or Advanced product.



3M Xtract™ Net Disc 310W

- Aluminum oxide combined with Precision-Shaped Grain
- Net backing for optimum dust extraction
- 80+ – 320+ grades



3M Xtract™ Paper Disc 236U

- General purpose; all applications
- Aluminum oxide
- C-weight paper
- P80 – P500 grades



3M™ Hookit™ Film Disc 375L









- Aluminum oxide
- 5 mil film (60 – P400 grades)
- 3 mil film (>P400 grades)
- 60 – P1500 grades

- ▶ Film/Paper Backed
- Cloth Backed/Non-woven

Random Orbital Sanding Portfolio

The entire 3M portfolio

Film backed sanding discs





| | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  568XA* <div>Specialised Applications</div> <ul style="list-style-type: none"> ▶ Cerium Oxide on 3 mil film ▶ Constructed for high gloss, semi gloss and acrylic solid surface applications |  268L* <ul style="list-style-type: none"> ▶ Aluminium Oxide on 3 mil film ▶ Works well on sealer sanding, primer and e-coat scuff applications |  360L* <ul style="list-style-type: none"> ▶ Aluminium Oxide on 3 mil film ▶ Ideal for composite, primer and gelcoat applications where finish is crucial |  375L* <ul style="list-style-type: none"> ▶ Aluminium Oxide on 3 mil film ▶ A multi-purpose value disc where finish and durability are musts |
|  268XA* <div>Specialised Applications</div> <ul style="list-style-type: none"> ▶ Microreplicated abrasive on 3 mil film ▶ Used in a variety of solid surface and AOEM tier prep for paint applications |  366L <ul style="list-style-type: none"> ▶ Aluminium Oxide on 3 mil film ▶ A versatile disc that delivers in paint removal, prep for paint and solid surface finishing |  775L <ul style="list-style-type: none"> ▶ Precision Shaped Grain on 3 mil film ▶ The go-to choice for all applications that require premium performance |  675L <div>Specialised Applications</div> <ul style="list-style-type: none"> ▶ Diamond abrasive on 5 mil film ▶ Designed for finishing on hard materials and can be used for coating removal and prep |

Lighter backing

Heavier backing

*Stearate-free

Paper backed sanding discs

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  426U <ul style="list-style-type: none"> ▶ Silicon carbide is ideal for general purpose sanding on wood, metal, plastic, dry wall, fiberglass, glass, clear coat, and ceramic ▶ Anti-loading coating and open coat construction minimize loading ▶ A-weight paper flexes with the backup pad |  236U <ul style="list-style-type: none"> ▶ Aluminium Oxide on C-weight paper ▶ The multi-purpose, multi-application value disc |  732U <ul style="list-style-type: none"> ▶ Precision-Shaped Grain on C-weight paper ▶ A premium choice for all applications that require fast cut and long life |  950U <ul style="list-style-type: none"> ▶ Precision Shaped Grain on E-weight paper ▶ A premium choice for all applications that require fast cut and long life |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Lighter backing

Heavier backing

Film/Paper Backed
► Cloth Backed/Non-woven

Random Orbital Sanding Portfolio

The entire 3M portfolio

Cloth backed sanding discs



900DZ

- Precision-Shaped grain on J-weight cloth
- Top performer for applications requiring fast cut, wear resistance and flexibility
- 40+ to 320+ grits



947A

- Precision Shaped Grain on X-weight cloth
- A premium choice for applications requiring an aggressive and durable disc
- 40+ to 120+ grits



784F

- PSG blend mineral helping increase productivity
- YF weight (36+ - 80+) and XF (120+) cloth backing is extra tough and a good match for the most aggressive sanding applications
- 36+ - 120+ grits

Lighter backing

Heavier backing

Non-woven finishing discs

Use on irregular, rounded work surfaces requiring a highly conformable abrasive. Load resistant and good for imparting a bright final finish.



Scotch-Brite™ Hookit™ 7448 PRO

- Non-woven with Silicon Carbide
- For light cleaning, blending and scratch refinement on metal and solid surfaces



Scotch-Brite™ Hookit™ 7447 PRO

- Non-woven with Aluminium Oxide
- For cleaning, scuffing, and finishing on metals and plastic substrates



Scotch-Brite™ Hookit™ Cut & Polish

- Non-woven with Aluminium Oxide
- For heavier non-woven blending applications where fast scratch removal is required



Scotch-Brite™ Hookit™ Clean & Finish

- Non-woven with Silicon Carbide
- For light cleaning and blending on metal substrates



Scotch-Brite™ Hookit™ Production Clean & Finish

- Non-woven with Aluminium Oxide
- For a uniform finish prior to coating primer, metal and solid surfaces



Scotch-Brite™ Hookit™ Production Clean & Finish

- Non woven with Precision-shaped grain
- For faster cut and longer life

Fine

Coarse

Net backed sanding discs

For a variety of sanding applications. Flexible, more durable backing. High performance and a virtually dust-free finish.



310W

- Blend of Precision-shaped grain and aluminium oxide
- Heavy, medium, and lightweight net backing
- A cost-efficient disc good for coating removal and surface refining



710W

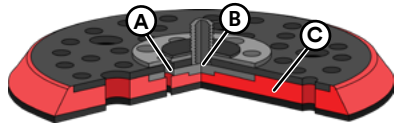
- Precision-shaped grain
- Medium and lightweight net backing
- A premium disc for a variety of sanding applications and multiple substrates

Lighter backing

Heavier backing

Sanding System Solutions

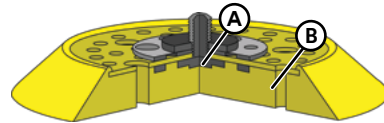
Select the right backup pad.



Low Profile Design

Firm red foam for stock removal and leveling. Also available in black.

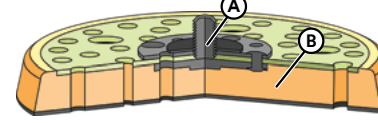
▶ Most Aggressive



Standard Design

Tapered edge and medium yellow foam for blending and feather edging

▶ General Purpose



Low Profile Finishing Design

Soft beige foam for better finish and conformance

▶ Best Finish

A

One piece stud design for improved balance and reduced vibration

B

Colour-coded pads with customised features make it simpler to achieve the exact finish desired

C

Upgraded hole placement for clean sanding pads for the ultimate in dust extraction

● Firm

● Medium

● Soft

More Aggressive

Less Aggressive

Select the right tool.

- ▶ Available in 75mm, 125mm and 150mm diameters
- ▶ Can be used with Hookit™ and Stikit™ backup pads



3M Xtract™ Pneumatic Random Orbital Sanders

Ideal product for dust extraction solutions where pneumatic air lines are present.



3M™ Pneumatic Random Orbital Sanders

For work environments where dust extraction is not required

Factors affecting performance checklist.

Abrasive

- Follow basic sanding technique
- Frequently inspect discs for tears, folds or loading
- Make sure work surface is debris-free before moving on to finer grade disc

Backup Pad

- Match backup pad to the job (i.e., low profile for stock removal)
- Confirm that tool and disc pad are the same diameter
- Inspect for damaged pad — adhesion loss, worn foam
- If increased conformability is needed attach a 3M foam interface pad

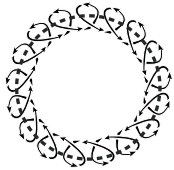
Tool

- Check tool lubrication schedule (1–3 drops of tool lubricant daily is recommended)
- Ensure that the speed control adjusted to the maximum
- Test that the lever is undamaged and muffler is not clogged

Air Pressure

- Check your gauge to make sure tool is running at 6.2 bar / 90 PSI
- Use minimum length of air hose necessary – check local regulations
- Ensure inside air line diameter is at a minimum 9mm
- Check airline fittings: 7mm is best, 4.8mm is marginal

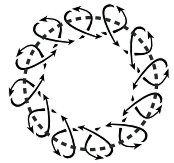
Select the right orbit.



2.5mm Diameter Orbit
Chrome Lever
Fine finish sanding

Why choose 2.5mm orbit?

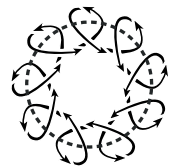
- ▶ To use with finer grades
- ▶ Least amount of stock removal



5mm Diameter Orbit
Silver Lever
General purpose sanding

Why choose 5mm orbit?

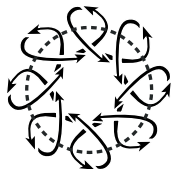
- ▶ Most commonly used orbit pattern
- ▶ Good balance of stock removal and finish



8mm Diameter Orbit
Black Lever
Aggressive sanding*

Why choose 8mm orbit?

- ▶ More stock removal needed than 5mm orbit
- ▶ Not as aggressive as 10mm orbit



10mm Diameter Orbit
Gold Lever
Most aggressive sanding*

Why choose 10mm orbit?

- ▶ Most aggressive stock removal
- ▶ Good for large area sanding or if high cut rate is needed

*Not recommended for woodworking applications

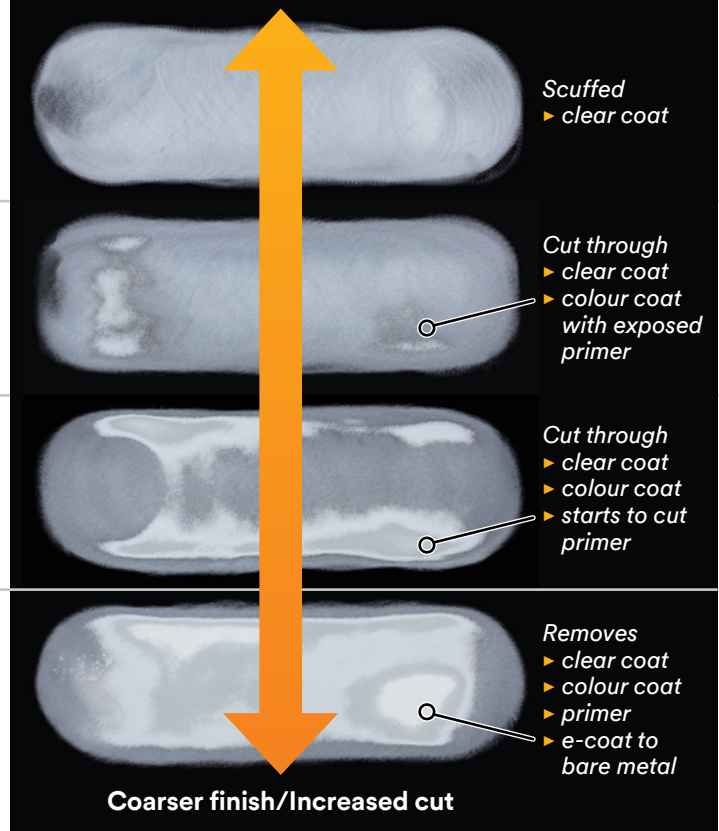


▶ Tool/Backup Pad
Orbit

Material removal

After sanding with 775L 80+ for 30 seconds on a painted panel

Finer finish/Lower cut



Basic sanding technique.



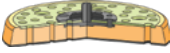

































- 1 Start the sander ON the surface and stop OFF the surface. This will help to avoid swirl marks.
- 2 Apply light hand pressure on the tool and allow the backup pad to orbit freely. Let the tool do the work.
- 3 Run the tool flat on the work piece to prevent gouging.
- 4 Follow a set pattern when sanding. This ensures that previous scratches are removed and a uniform finish is reached.



► System
Clean Sand

Application Guide

The 3M recommendations below are starting points for the ideal system solutions. Be sure to conduct trials to find the right system for the application.

| Application | Recommended Disc | Alternative Disc | Common Grades | Suggested Backup Pad | Suggested Tool Orbit | Process |
|---------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------|
| Primer Sanding |  |  | 180 – 400 | Low Profile Finishing  | 5mm | Sanding workpiece for consistent scratch prior to paint |
| Coating Removal |  |  | 80 – 240 | Red Low Profile  | 10mm | Removing coatings from workpiece prior to application of primers and paints |
| Surface Refining/ Flattening |  |  | 80 – 220 | Red Low Profile  | 5mm | Smoothing and leveling workpiece prior to paint for consistent paint adhesion |
| Deflashing Plastic |  |  | 60 – 120 | Red Low Profile  | 5mm | Removing excessive plastic flash by knocking off sharp edges |
| Gelcoat Sanding |  |  | 240 – 1000 | Low Profile Finishing  | 5mm | Flattening or removing defects in gelcoat while refining for following buff and polish or paint step |
| Removing Parting Lines |  |  | 180 – 320 | Red Low Profile  | 5mm | Removing raised lines in manufacturing to blend surface geometry |
| Shaping |  |  | 36 – 220 | Yellow Standard  | 8mm | Incremental steps of cutting and shaping refinement for composite fabrication |
| Whitewood Sanding |  |  | 150 – 220 | Red Low Profile  | 5mm | Leveling or smoothing wood surface and removing machining marks from saw cuts or routers |
| Sealer Sanding |  |  | 320 – 400 | Low Profile Finishing  | 2,5mm | Leveling orange peel and scuffing for adhesion of next layer of coatings or finish |
| Prep for Paint on Steel |  |  | 80 – 120 | Red Low Profile  | 5mm | Refining a fiber disc scratch used in stock removal for an even scratch prior to paint |
| Removing Handling Scratches |  |  | 80 – 120 | Red Low Profile  | 8mm | Identifying defects in metal parts caused by upstream handling |
| Edge Deburring |  |  | 60 – 120 | Yellow Standard  | 8mm | Removing sharp edges on sheared metal |

For applications needing a bright final finish, follow up with a Scotch-Brite™ non-woven finishing disc.

3M Xtract™ Cubitron™ II Sanding System

Create a Safer and Cleaner Workspace

Sanding debris is removed directly from the workpiece as an operator sands with the system. With a convenient and efficient dust free system, the work environment is cleaner and more comfortable for all workers.

Improve Sanding Disc Performance

A disc loads less when the dust it generates is vacuumed away. Less loading means more of the disc's abrasive surface is in direct contact with the workpiece. More direct disc contact provides better cut rate and less disc loading equals longer life.

Save time and money on Abrasives and Improve Productivity

With longer life and a faster cut rate, less discs are used to complete a job. Not only can disc consumption be reduced, each job can be done faster, improving a shop's overall productivity.

3M Xtract™ sanding abrasive disc



+

Clean sanding backup pad



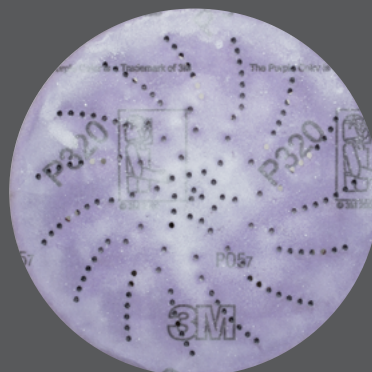
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3M Xtract™ Pneumatic Random Orbital Sanders



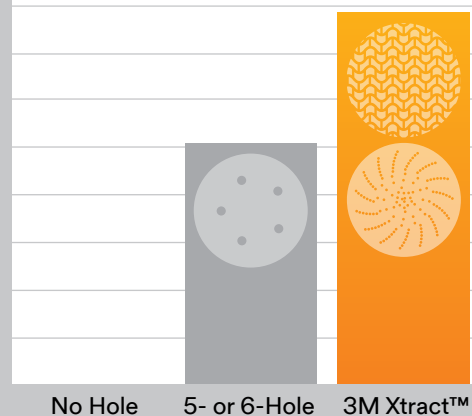
3M Xtract™ vs. No Hole

After sanding on cured gelcoat for 30 seconds, the 3M Xtract™ disc has not loaded. This means a longer abrasive disc life.

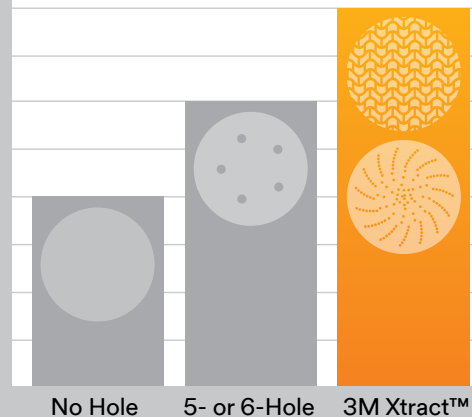


3M Xtract™ discs remove more dust and last longer than 5- and 6-hole discs of a similar diameter.

Dust Extraction



Disc Life















Test results are based on dry sanding applications. Results will vary by application, material being sanded and tool used.

Availability Guide: Sanding Made Simple

▲ = 3M™ Cubitron™ II or Precision Shaped Grain grade

P = FEPA (Federation of the European Producers of Abrasives) grades

A = ANSI Graded

| | | | | Grade | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|-------------------------------------------------------------------------------------|------------|-----------------------|-------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|--|--|--|
| | 3M ID | Attachment | Forms | 24 | 36 | 40 | 50 | 60 | 80 | 100 | 120 | 150 | 180 | 220 | 240 | 280 | 320 | 360 | 400 | 500 | 600 | 800 | 1000 | 1200 | 1500 | | | |
| Net Backing |  | Hookit™ | Clean Sanding | | | | | | ▲ | | ▲ | ▲ | ▲ | ▲ | ▲ | | ▲ | | | | | | | | | | | |
| |  | Hookit™ | Clean Sanding | | | | | | ▲ | | ▲ | ▲ | ▲ | ▲ | ▲ | | ▲ | | | | | | | | | | | |
| Film Backing |  | Hookit™ | No hole | | | | | | ▲ | | ▲ | ▲ | ▲ | ▲ | ▲ | | ▲ | | ▲ | | | | | | | | | |
| | | | 17 hole | | | | | | ▲ | | ▲ | ▲ | ▲ | ▲ | ▲ | | ▲ | | ▲ | | | | | | | | | |
| | | | Clean sanding | | | | | | ▲ | | ▲ | ▲ | ▲ | ▲ | ▲ | | ▲ | | ▲ | | | | | | | | | |
| |  | Hookit™ | No hole | | | | | P | P | P | P | P | P | P | P | | P | | P | P | P | P | P | P | P | | | |
| | | | Multi-hole | | | | | P | P | P | P | P | P | P | P | | P | | P | P | P | P | P | P | P | | | |
| |  | Hookit™ | Clean sanding | | | | | | | | | | | | P | P | P | P | | P | P | P | P | P | | | | |
| Paper Backing |  | Hookit™ | No hole | | | | | ▲ | ▲ | | ▲ | ▲ | ▲ | | | | | | | | | | | | | | | |
| | | | Multi-hole | | | | | ▲ | ▲ | | ▲ | ▲ | ▲ | | | | | | | | | | | | | | | |
| |  | Hookit™ | Clean sanding | | | | | | P | P | P | P | P | P | P | | P | | P | P | | | | | | | | |
| |  | Hookit™ | No hole Multi-hole | | | | | | A | A | A | A | A | A | A | A | | A | | | | | | | | | | |
| |  | Hookit™ | No hole Multi-hole | | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | | | | | | | | | |
| Cloth Backing |  | Hookit™ | Clean sanding | | | ▲ | | ▲ | ▲ | | ▲ | ▲ | ▲ | ▲ | | | ▲ | | | | | | | | | | | |
| |  | Hookit™ | No hole | | | ▲ | | ▲ | ▲ | | ▲ | | | | | | | | | | | | | | | | | |
| | | | Multi-hole | | | ▲ | | ▲ | ▲ | | ▲ | | | | | | | | | | | | | | | | | |
| |  | Hookit™ | No hole | | ▲ | | ▲ | ▲ | ▲ | | ▲ | | | | | | | | | | | | | | | | | |

ROS Portfolio

| ROS Portfolio | | | | | | | Grade | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|-------|--------|---------|--------------------------|------------|---------|-------|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|--|--|--|--|
| Backing | 3M ID | Weight | Mineral | Grinding Aid or Stearate | Attachment | | 24 | 30 | 36 | 40 | 50 | 60 | 80 | 100 | 120 | 150 | 180 | 220 | 240 | 280 | 320 | 360 | 400 | 500 | 600 | 800 | 1000 | 1200 | 1500 | 2000 | | | | |
| | | | | | Stikit™ | Hookit™ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Net | 310W | H/M/L* | PSG/AO | | | • | | | | | | | ▲ | | ▲ | ▲ | ▲ | ▲ | ▲ | | ▲ | | | | | | | | | | | | | |
| | 710W | | PSG | | | • | | | | | | | ▲ | | ▲ | ▲ | ▲ | ▲ | ▲ | | ▲ | | | | | | | | | | | | | |

* L = Light, M = Medium, H= Heavy

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-------|---------|-----|---|---|---|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|--|
| Cloth | 900DZ | J | PSG | | • | • | | | | ▲ | | ▲ | ▲ | | ▲ | ▲ | ▲ | ▲ | | | ▲ | | | | | | | | | |
| | 784F | YF/XF | PSG | ✓ | | • | | | ▲ | | ▲ | ▲ | ▲ | | ▲ | | | | | | | | | | | | | | | |
| | 947A | X | PSG | ✓ | | • | | | ▲ | | ▲ | ▲ | ▲ | | ▲ | | | | | | | | | | | | | | | |
| Paper | 236U | C | AO | ✓ | • | • | | | | | | | P | P | P | P | P | P | P | | P | | P | P | | | | | | |
| | 732U | C | PSG | ✓ | • | • | | | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | | | | | | | | |
| | 950U | E | PSG | ✓ | • | • | | | | | | ▲ | ▲ | | ▲ | ▲ | ▲ | | | | | | | | | | | | | |
| Film | 360L | 3 mil | AO | | | • | | | | | | | | | | | | P | P | P | P | | P | P | P | P | P | | | |
| | 375L | 5/3 mil | AO | ✓ | | • | | | | | | | P | P | P | P | P | P | P | | P | | P | P | P | P | P | P | P | |
| | 775L | 3 mil | PSG | ✓ | | • | | | | | | | ▲ | | ▲ | ▲ | ▲ | ▲ | ▲ | | ▲ | | ▲ | | | | | | | |

| Backing | 3M ID | Mineral | Attachment | Scotch-Brite™ Grade |
|-----------|----------------------------------------------|---------|------------|---------------------|
| Non-woven | Scotch-Brite™ 7448 PRO | SC | Hookit™ | Ultra fine |
| | Scotch-Brite™ Clean & Finish | AO | | |
| | Scotch-Brite™ 7447 PRO | AO | | Very fine |
| | Scotch-Brite™ Production Clean & Finish | SC | | |
| | Scotch-Brite™ Cut & Polish | AO | | Medium |
| | Scotch-Brite™ Precision Surface Conditioning | PSG | Hookit™ | Ultra fine |
| | | | | Very fine |
| | | | | Medium |
| Coarse | | | | |

Mineral

AO = Aluminium Oxide
 AZ = Aluminium Zirconia
 C = Ceramic
 CO = Cerium Oxide
 D = Diamond
 PSG = Precision Shaped Grain
 SC = Silicon Carbide

Grade

▲ = 3M™ Cubitron™ II or Precision Shaped Grain
 P = FEPA (Federation of the European Producers of Abrasives)

For more information visit: www.3M.co.uk/Abrasives



**3M™ Hookit™ Discs are applicable for
robotic and automation applications.**

**Please find more info at:
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