

REFERENCE & APPLICATION GUIDE	
ZirCUT	
ZirCUT PRO	
ZeeCUT	
EZCUT	
ZirCUT HD (JUMBO)	
ZirCUT P	
ZeeCUT P	
ZCCUT	
ZZCUT	
TRIMZEE	
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Flap Discs are unique abrasive tools designed to grind and finish in one operation. There is no need to change tools, or for any additional process or backing pad. Flap Discs save your time and money.

Glued layers of abrasive material pieces, wear evenly and continuously expose new sharp grain, resulting in aggressive stock removal, long life and a constant smooth finish. Flap Discs run much cooler and last up to 20 times longer than RFD. They are safe, quiet and easy to control.



Our Flap Discs are manufactured using the highest quality components by gluing rectangular abrasive material pieces to backing. The abrasive cloth used for flaps is manufactured by one of the leading coated abrasives manufacturers in Germany. Eight layers of fiberglass or specially designed plastic and aluminum backings provide safe support for abrasive flaps, eliminating backing pads required for conventional paper, cloth, or fiber discs. Fiberglass backing does not contaminate or damage the urface of the work piece, and specially formulated adhesives provide a structural bond between the abrasive material and the backing for safe grinding.



Depending on the grinding angle and surface to be ground, Flap Discs are available in two styles:



Type 27 - has flat surface and can achieve maximum efficiency when applied at a work angle of 0-15°. These discs are the most suitable for grinding flat surfaces.



Type 29 - has a slightly conical surface, for grinding at 10-25° angle. These discs are the most suitable for grinding contoured surfaces.

Flap Disc Applications

- **☑** GRINDING
- **☑** BLENDING
- **☑** EDGE CHAMFERING/BEVELING
- ☑ DEBURRING
- ☑ RUST REMOVAL
- **☑** FINISHING

Recommended Flap Disc by Grit/Material Type:

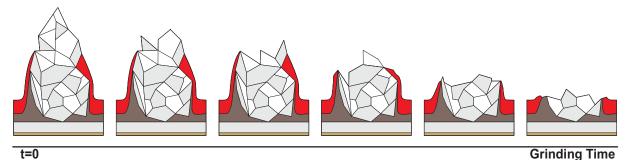
GRIT SIZE	MATERIALS
24-40	Aluminum, soft non-ferrous metals, wood, and plastic
36-50	Unalloyed or low-alloyed steels, and low tensile strength stainless steels
60	High-alloyed, stainless, and tempering steels
80	High-alloyed steels and fine finish on all materials
120+	For extra fine finish on all materials



FLAP DISC FEATURES	FLAP DISC BENEFITS
High-tech self-sharpening grain	High stock removal rate
Top size grinding aid	Cool cutting
Durable backings	Safe use
Good balance	No vibration
Conical or flat shape to fit different applications	Use on a variety shapes and surfaces
Overlapping flaps	Rough grinding and fine finishing in one operation
Quick change option	Reduced disc change time
Broad grit and abrasive material range	Use on a wide variety of materials
More abrasives	Long life (measured in hours)
Trimmable plastic backing	Maximum abrasive grain usage (up to 90%)
	Constant finish
PATENTED	Low noise
5/8-11 THREADED	No loading
	No backing pad required
FLAP DISCS	High G-ratio (lower grinding cost)
Available for 4 1/2", 5"and 6" discs. Any backing type.	Less operator fatigue
	Decreased risk of burning
SAFE LOC	Easy to store and handle

High-Tech Abrasives Self-Sharpening Ceramic Grain

Ceramic Grain-based products are ideal solutions where an aggressive cut and high performance are required. Such products achieve extremely high stock removal and long life due to their continuous self-sharpening characteristics. Ceramic grains are extremely hard, making products made with it suitable for grinding very hard and heat treated metals. Products made with Ceramic Grain are safer to use during grinding due to the minimal amount of sparks being produced.



FOR OPERATOR SAFETY		
Follow ANSI and OSHA regulations	Wear a dust mask	Wear safety gloves
Wear safety glasses and ear muffs	Do not exceed operating speed	Read instructions



Recommended Flap Disc by Grit/Application:

GRIT SIZE	APPLICATION
24-40	Heavy grinding
36-60	Weld blending/chamfering/beveling
40-80	Deburring/heavy rust removal
60-80	Cleaning/blending
80-120+	Cleaning/finishing

FLAP DISCS ADVANTAGE: GRIND AND FINISH IN ONE OPERATION

In the past, grinding wheels were used for grinding and fibre discs for blending and finishing. Flap Discs can be used for both operations saving time and increasing operator productivity.

Flap Discs vs. Grinding Wheels:

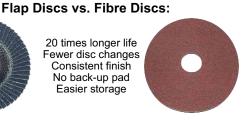


More aggressive Cooler cutting Better surface finish Less vibration Less noise





20 times longer life Fewer disc changes Consistent finish No back-up pad Easier storage





Working Pressure: Higher pressure results in more aggressive stock removal while lower pressure produces better finish.

Finish: Due to the nature of Flap Discs, use one grit size coarser than fiber discs, except in 24 and 36 grit.

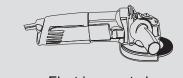
NOTES

NOT LISTED BUT ALSO AVAILABLE:

- 6" Flap Discs
- Retail packaged discs
- T27F Corner Grinding Flap Discs
- Flap Discs with abrasive material and grit other than those listed
- Custom Flap Discs
- Double flap configuration Flap Discs
- For Non-Stock items made from abrasive material and backings that we carry in our inventory, minimum quantity is 100 discs per grit.
- For Non-Stock items made from abrasive material and backings that we do not carry in our inventory, minimum quantity is 250 discs per grit.
- Please contact customer service for item numbers, prices, and delivery.



Flap Discs are designed for machine types below:

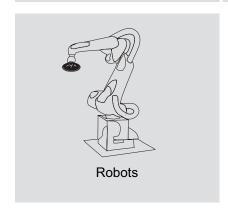


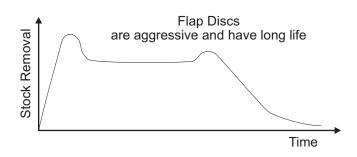
Electric operated hand held angle grinders



Air operated hand held angle grinders



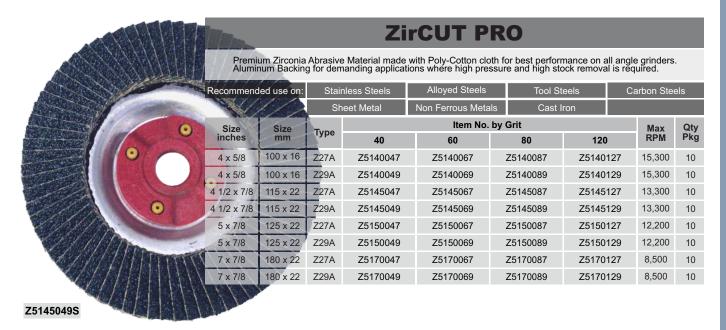




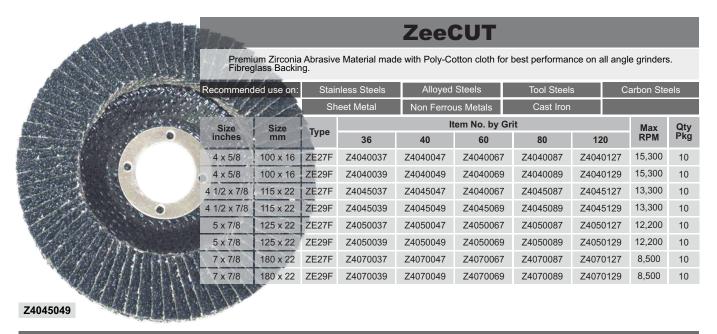


ZirCUT Premium Zirconia Abrasive Material made with Poly-Cotton cloth for best performance on all angle grinders. Fibreglass Backing. Stainless Steels Alloyed Steels Recommended use on: **Tool Steels Sheet Metal** Non Ferrous Metals Qty Pkg Item No. by Grit Size inches Size Max Type **RPM** 36 40 60 80 120 15,300 10 Z5040037 Z5040047 Z5040067 Z5040087 Z5040127 4 x 5/8 100 x 16 **Z27F** 4 x 5/8 100 x 16 Z29F Z5040039 Z5040049 Z5040069 Z5040089 Z5040129 15,300 10 4 1/2 x 7/8 115 x 22 Z27F Z5045037 Z5045047 Z5045067 Z5045087 Z5045127 13,300 10 13.300 4 1/2 x 7/8 115 x 22 Z29F Z5045039 Z5045049 Z5045069 Z5045089 Z5045129 10 125 x 22 5 x 7/8 Z27F Z5050037 Z5050047 Z5050067 Z5050087 Z5050127 12.200 10 125 x 22 12,200 5 x 7/8 Z29F Z5050039 Z5050049 Z5050069 Z5050089 Z5050129 10 6 x 7/8 150 x 22 Z27F Z5060037 Z5060047 Z5060067 Z5060087 Z5060127 10.200 10 6 x 7/8 150 x 22 Z5060089 10.200 10 Z29F Z5060039 Z5060049 Z5060069 Z5060129 7 x 7/8 180 x 22 Z27F Z5070037 Z5070047 Z5070067 Z5070087 8,500 Z5070127 10 Z5045047 7 x 7/8 180 x 22 Z29F Z5070039 Z5070049 Z5070069 Z5070089 Z5070129 8,500 10

Available with: • SAFE LOC 5/8-11 quick change hub on 4 1/2, and 5 discs . For item number add S to the end of the existing number.
• 5/8-11 Zinc Flange to 4.5" & 5" discs. For item number add H to the end of the existing number.







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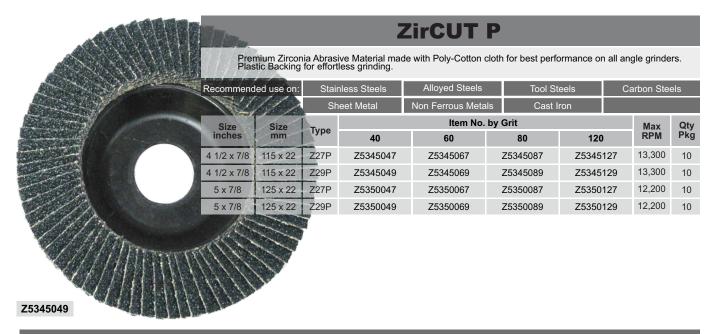
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Premium Zirconia Abrasive Material made with Poly-Cotton cloth for best performance on all angle grinders. Fiberglass Backing. More open flaps structure for more aggressive grinding. Excellent performance with lower initial price. Alloyed Steels Recommended use on Stainless Steels Tool Steels Carbon Steels Item No. by Grit Qty Pkg Size inches Type RPM 40 60 120 4 x 5/8 100 x 16 EZ27F Z3040047 Z3040067 Z3040087 Z3040127 15,300 20 15,300 20 4 x 5/8 100 x 16 F729F 73040049 73040069 73040089 73040129 4 1/2 x 7/8 115 x 22 EZ27F Z3045047 Z3045067 Z3045087 Z3045127 13,300 20 4 1/2 x 7/8 115 x 22 EZ29F Z3045049 Z3045069 Z3045089 Z3045129 13,300 20 12.200 125 x 22 EZ27F Z3050047 Z3050127 20 5 x 7/8 Z3050067 Z3050087 5 x 7/8 125 x 22 12,200 20 EZ29F Z3050049 Z3050069 Z3050089 Z3050129 7 x 7/8 180 x 22 EZ27F Z3070047 Z3070067 Z3070087 Z3070127 8,500 20 8,500 EZ29F 7 x 7/8 180 x 22 Z3070049 Z3070069 Z3070089 Z3070129 20 Z3045049

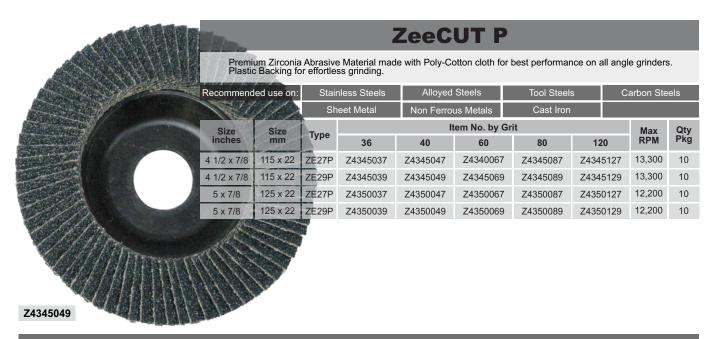


ZirCUT HD Premium Zirconia Abrasive Material made with Poly-Cotton cloth for best performance on all angle grinders. Fibreglass Backing. Also known as **JUMBO** Flap Discs. Long life and excellent for blending and finishing. Alloyed Steels Tool Steels Recommended use on: Sheet Metal Non Ferrous Metals Item No. by Grit Qty Pkg Max RPM Size inches Size Type 80 120 36 40 60 15,300 100 x 16 10 Z27FHD Z5240037 Z5240047 Z5240067 Z5240087 Z5240127 $4 \times 5/8$ 15,300 100 x 16 10 4 x 5/8 Z29FHD Z5240039 Z5240049 Z5240069 Z5240089 Z5240129 4 1/2 x 7/8 115 x 22 Z27FHD Z5245037 Z5245047 Z5245067 Z5245087 Z5245127 13,300 10 13.300 115 x 22 10 4 1/2 x 7/8 Z29FHD Z5245039 Z5245049 Z5245069 Z5245089 Z5245129 5 x 7/8 125 x 22 12,200 Z27FHD Z5250037 Z5250047 Z5250067 Z5250087 Z5250127 10 12,200 5 x 7/8 125 x 22 Z29FHD Z5250039 Z5250049 Z5250069 Z5250089 Z5250129 10 7 x 7/8 180 x 22 Z27FHD Z5270037 Z5270047 Z5270067 Z5270087 Z5270127 8,500 10 7 x 7/8 180 x 22 Z29FHD Z5270039 Z5270049 Z5270069 Z5270089 Z5270129 8,500 10 Z5245049

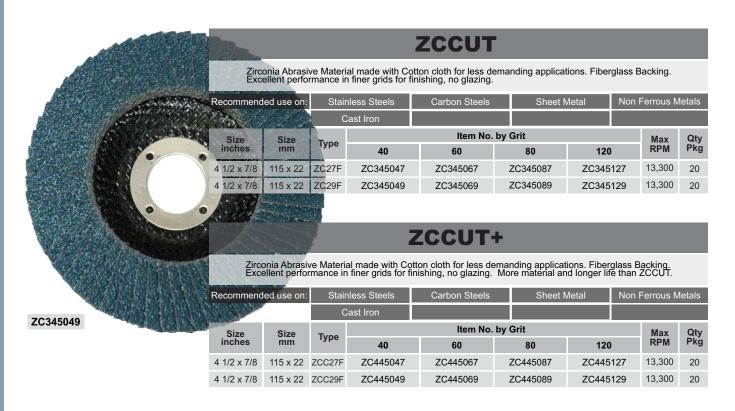
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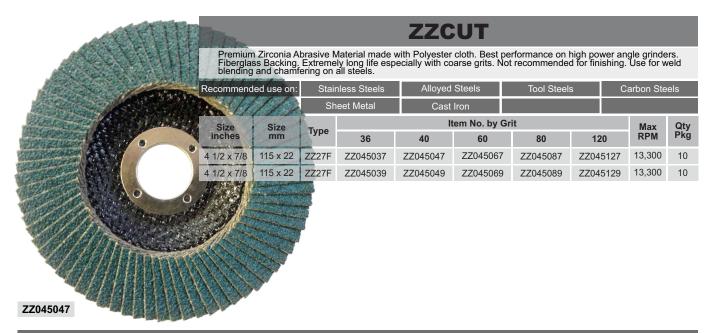




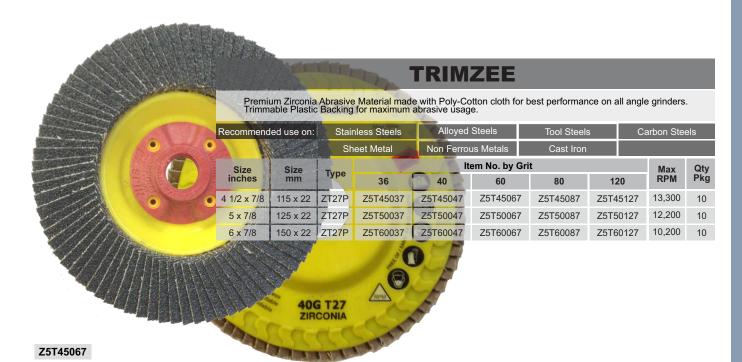
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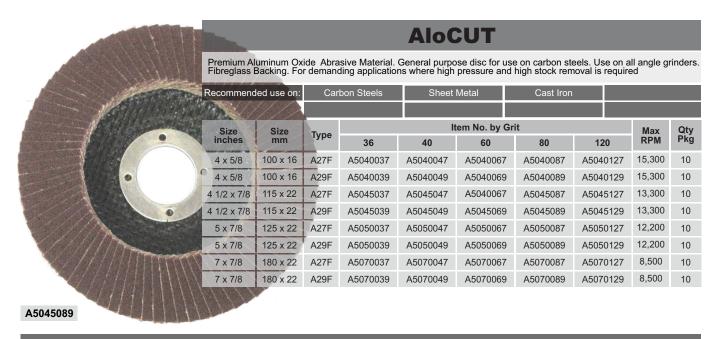




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CerCUT Premium Ceramic Abrasive Material with Polyester cloth for best performance on high power angle grinders. Hi-Tech self sharpening ceramic grit. Fibreglass Backing. Extremely tough and long lasting in coarse grit. Use for heavy grinding, weld blending and chamfering on all steels and hard to grind materials. Recommended use on Stainless Stee Titanium Hard Steel **Tool Steels** Alloyed Steels Item No. by Grit Qty Pkg Size Type RPM 36 40 60 80 120 15.300 4 x 5/8 100 x 16 C27F C5040037 C5040047 C5040067 C5040087 C5040127 10 15,300 4 x 5/8 100 x 16 C29F C5040039 C5040049 C5040069 C5040089 C5040129 10 4 1/2 x 7/8 115 x 22 C27F C5045037 C5045047 C5040067 C5045087 C5045127 13,300 10 4 1/2 x 7/8 115 x 22 C29F C5045039 C5045049 C5045069 C5045089 C5045129 13,300 10 12.200 125 x 22 C27F C5050037 C5050047 C5050087 5 x 7/8 C5050067 C5050127 10 5 x 7/8 125 x 22 12,200 C29F C5050039 C5050049 C5050069 C5050089 C5050129 10 180 x 22 C27F 7 x 7/8 C5070037 C5070047 C5070067 C5070087 C5070127 8,500 10 8,500 7 x 7/8 180 x 22 C29F C5070039 C5070049 C5070069 C5070089 C5070129 10 C5050039

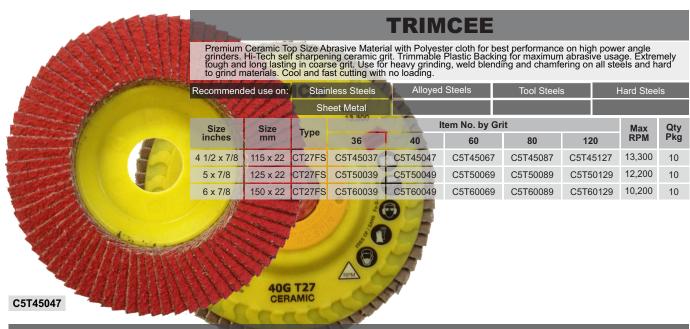


RED FURY Premium Ceramic Top Size Abrasive Material with Polyester cloth for best performance on high power angle grinders. Hi-Tech self sharpening ceramic grit. Fibreglass Backing. Extremely tough and long lasting in coarse grit. Use for heaver grinding, weld blending and chamfering on all steels and hard to grind materials. Cool and fast cutting with no loading. Stainless Steels Recommended use on: Titanium **Tool Steels** Alloyed Steels Qty Pkg Item No. by Grit Size Size Max Type **RPM** 36 40 60 80 120 100 x 16 C27FS 15,300 10 Z5540037 C5540047 C5540067 C5540087 C5540127 $4 \times 5/8$ 4 x 5/8 100 x 16 C29FS Z5540039 C5540049 C5540069 C5540089 C5540129 15,300 10 4 1/2 x 7/8 115 x 22 C27FS Z5545037 C5545047 C5545067 C5545087 C5545127 13,300 10 115 x 22 13.300 C29FS 10 4 1/2 x 7/8 Z5045039 C5545049 C5545069 C5545089 C5545129 5 x 7/8 12,200 125 x 22 C27FS Z5550037 C5550047 C5550067 C5550087 C5550127 10 C29FS 12,200 5 x 7/8 125 x 22 Z5550039 C5550049 C5550069 C5550089 C5550129 10 6 x 7/8 150 x 22 C27FS Z5560037 C5560047 C5560067 C5560087 C5560127 10,200 10 6 x 7/8 150 x 22 C29FS C5560089 10,200 Z5560039 C5560049 C5560069 C5560129 10 7 x 7/8 180 x 22 C27FS C5570047 C5570087 C5570127 8,500 Z5570037 C5570067 10 C5545047 7 x 7/8 180 x 22 C29FS Z5570039 C5570049 C5570069 C5570089 C5570129 8,500 10

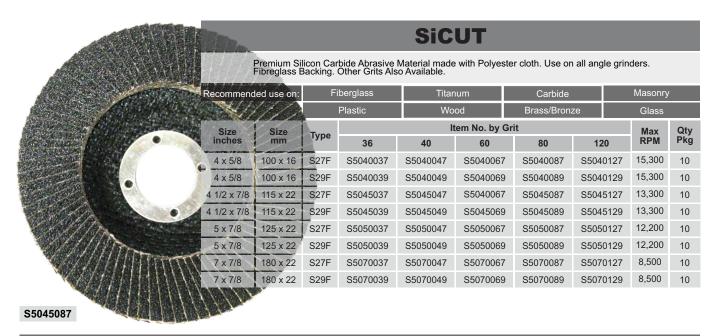
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RED FURY PRO Premium Ceramic Top Size Abrasive Material. Aluminum backing for extremely demanding applications where high pressure and high stock removal is required. Hi-Tech self sharpening ceramic grit. Cool and fast cutting with no loading. Extremely tough and long lasting in coarse grit. Use for heavy grinding, weld blending and chamfering on all steels and hard to grind materials. Best performance on high power angle grinders. Recommended use on: Stainless Steels Titanium Hard Steels **Tool Steels** Alloyed Steels Item No. by Grit Size Qty Pkg Max **RPM** mm 36 40 60 80 120 4 x 5/8 100 x 16 C27AS C5640037 C5640047 C5640067 C5640087 C5640127 15,300 10 4 x 5/8 100 x 16 C29AS C5640039 15,300 10 C5640049 C5640069 C5640089 C5640129 4 1/2 x 7/8 115 x 22 C27AS C5645037 C5645047 C5640067 C5645087 C5645127 13,300 10 4 1/2 x 7/8 115 x 22 C29AS C5645039 C5645049 C5645089 C5645129 13,300 10 C5645069 12.200 5 x 7/8 125 x 22 C27AS C5650037 C5650047 C5650067 C5650087 C5650127 10 5 x 7/8 125 x 22 12,200 10 C29AS C5650039 C5650049 C5650069 C5650089 C5650129 8,500 7 x 7/8 180 x 22 C27AS C5670037 C5670047 C5670067 C5670087 C5670127 10 7 x 7/8 180 x 22 C29AS C5670039 C5670049 C5670069 C5670089 C5670129 8,500 10 C5645087

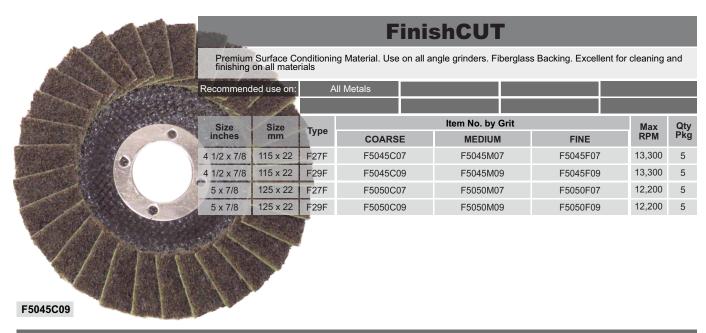




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