

Random Orbital Systems

3M™ Abrasive Discs for Orbital Sanding

For more than 100 years, 3M Science has provided technologies designed to make your life easier and improve the world — one finish at a time. 3M offers the most advanced technologies and processes in the industry — and a wide selection of sanding discs to tackle any job.

3M™ Random Orbital Sanding Discs are designed to handle your specific sanding and finishing needs. Primary applications include stock removal, light weld blending, and paint preparation of surfaces from carbon steel to aluminum. The 3M portfolio offers the best sanding discs for metal applications to get the job done right.

3M™ and Scotch-Brite™ Disc Selection Guide

Performance	3M ID	Anti-Loading or Grinding Aid	Backing	Application		Material Type			Attachment System		
				Blending	Finishing	Stainless Steel	Aluminum	Carbon Steel	Stikit™/PSA	Hookit™	Clean Sanding
Premium	732U	✓	C-Paper	●		●	●	●	●	●	●
	763U		F-Paper	●				●	●	●	●
	775L	✓	Film	●	●	●	●	●	●	●	●
	777F	✓	Y-Cloth	●		●		●	●		
	900DZ		J-Cloth	●			●		●	●	●
	947A	✓	X-Cloth	●		●		●		●	
	7447 PRO		Non-Woven		●	●	●	●		●	
Advanced	236U	✓	C-Paper	●	●		●	●	●	●	●
	341D/348D		X-Cloth	●	●	●		●	●		
	375L	✓	Film	●	●		●	●	●	●	†
Good	202DZ		J-Cloth		●		●	●	●		
	426U	✓	A-Paper		●		●		●	●	●

† 375L Clean Sanding Discs available in grades 60–P400.

3M™ Cubitron™ II Discs

3M™ Cubitron™ II Stikit™ Film Discs 775L

- Cuts Faster — Increased throughput with faster sanding and more parts per disc
- Lasts Longer — Lower costs with long disc life and fewer disc changes
- Consistent Finish — Minimal rework due to consistent finish quality



UPC	Size	Grade	Discs
Rolls			
051125-86810-5	5" x NH	80+	100/4
051125-86811-2	5" x NH	120+	125/4
076308-64276-1	5" x NH	150+	100/4
076308-64280-8	5" x NH	180+	100/4
076308-64284-6	5" x NH	220+	100/4
076308-47091-3	5" x NH	240+	100/4
076308-47084-5	5" x NH	320+	100/4
638060-05063-7	5" x NH	400+	100/4
051125-86812-9	6" x NH	80+	100/4
051125-86813-6	6" x NH	120+	125/4
051125-87049-8	6" x NH	150+	100/4
051125-87048-1	6" x NH	180+	100/4
051125-87103-7	6" x NH	220+	100/4
076308-47092-0	6" x NH	240+	100/4
076308-47103-3	6" x NH	320+	100/4
638060-05065-1	6" x NH	400+	100/4
Tab Lined Film			
051125-86802-0	5" x NH	80+	50/250
051125-86803-7	5" x NH	120+	50/250
076308-64275-4	5" x NH	150+	50/250
076308-64279-2	5" x NH	180+	50/250
076308-64283-9	5" x NH	220+	50/250
076308-47087-6	5" x NH	240+	50/250
076308-47083-8	5" x NH	320+	50/250
638060-05068-2	5" x NH	400+	50/250
051125-86804-4	6" x NH	80+	50/250
051125-86805-1	6" x NH	120+	50/250
051125-87053-5	6" x NH	150+	50/250
051125-87052-8	6" x NH	180+	50/250
051125-87105-1	6" x NH	220+	50/250
076308-47088-3	6" x NH	240+	50/250
076308-47105-7	6" x NH	320+	50/250
638060-05067-5	6" x NH	400+	50/250

NH = No Hole, D/F = Dust Free

3M™ Cubitron™ II Hookit™ Cloth Discs 947A

- Ideal for shaping, dimensioning and detailing architectural elements
- Use for leveling and finishing, especially for "body-in-white" applications
- Produces fine finish for fast surface prep

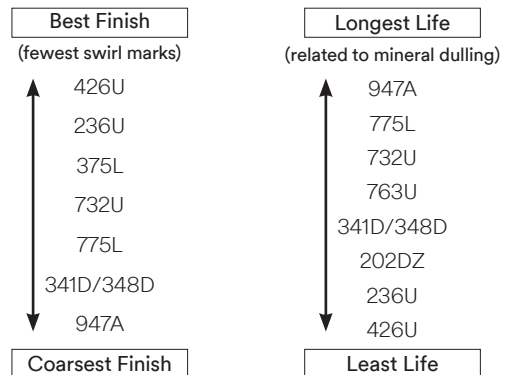


UPC	Size	Grade	Max RPM	Min/Case
076308-45699-3	3" x NH	40+	15,000	200
076308-45700-6	3" x NH	60+	15,000	200
076308-45701-3	3" x NH	80+	15,000	200
076308-45702-0	3" x NH	120+	15,000	200
076308-45703-7	5" x NH	40+	12,000	200
076308-45704-4	5" x NH	60+	12,000	200
076308-45705-1	5" x NH	80+	12,000	200
076308-45706-8	5" x NH	120+	12,000	200
076308-45707-5	6" x NH	40+	12,000	200
076308-45708-2	6" x NH	60+	12,000	200
076308-45709-9	6" x NH	80+	12,000	200
076308-45710-5	6" x NH	120+	12,000	200
Dust Free				
076308-45711-2	3" x D/F	40+	15,000	200
076308-45712-9	3" x D/F	60+	15,000	200
076308-45713-6	3" x D/F	80+	15,000	200
076308-45714-3	3" x D/F	120+	15,000	200
076308-45715-0	5" x D/F	40+	12,000	200
076308-45716-7	5" x D/F	60+	12,000	200
076308-45717-4	5" x D/F	80+	12,000	200
076308-45718-1	5" x D/F	120+	12,000	200
076308-45719-8	6" x D/F	40+	12,000	200
076308-45720-4	6" x D/F	60+	12,000	200
076308-45721-1	6" x D/F	80+	12,000	200
076308-45722-8	6" x D/F	120+	12,000	200

NH = No Hole, D/F = Dust Free

Tech tip

3M™ Disc Finish and Life: comparing grade 180



3M™ Stikit™ Discs

3M™ Stikit™ Cloth Disc 900DZ (cont)

UPC	Diameter	Grade	Min/Case
Dust Free			
051141-28098-1	5" x D/F	60	50/250
051141-28092-9	5" x D/F	80	50/250
051141-28093-6	5" x D/F	P100	50/250
051141-28094-3	5" x D/F	P120	50/250
051141-28096-7	5" x D/F	P150	50/250
051141-28095-0	5" x D/F	P180	50/250
051141-28097-4	5" x D/F	P220	50/250

D/F = Dust Free

3M™ PSA Discs

3M™ PSA Cloth Disc 348D

- Aluminum oxide on an X wt cloth backing
- Heavy-duty, cloth-backed discs for more aggressive applications
- Provides excellent adhesion while removing easily



UPC	Diameter	Grade	Min/Case
Cloth Backing			
051144-20913-2	2"	36	50/200
051144-20911-8	2"	50	50/200
051144-20910-1	2"	60	50/200
051144-20909-5	2"	80	50/200
051144-20908-8	2"	P100	50/200
051144-20907-1	2"	P120	50/200
051144-01335-7	3"	40	50/200
051144-01334-0	3"	50	50/200
051144-01333-3	3"	60	50/200
051144-01332-6	3"	80	50/200
051144-01331-9	3"	P100	50/200
051144-01330-2	3"	P120	50/200
051144-20891-3	5"	36	50/250
051144-20890-6	5"	40	50/250
051144-20889-0	5"	50	50/250
051144-20888-3	5"	60	50/250
051144-20887-6	5"	80	50/250
051144-20886-9	5"	P100	50/250
051144-20885-2	5"	P120	50/250
051144-20884-5	5"	P150	50/250
051144-20883-8	5"	P180	50/250
051144-20881-4	5"	P240	50/250
051144-21639-0	6"	36	50/250
051144-21731-1	6"	40	50/250
051144-20879-1	6"	50	50/250
051144-20878-4	6"	60	50/250
051144-20877-7	6"	80	50/250
051144-20876-0	6"	P100	50/250
051144-21497-6	6"	P120	50/250

3M™ PSA Cloth Disc 348D (cont)

UPC	Diameter	Grade	Min/Case
Cloth Backing			
051144-20874-6	8"	36	50/250
051144-20873-9	8"	40	50/250
051144-20871-5	8"	60	50/250
051144-20870-8	8"	80	50/250
051144-20869-2	8"	P100	50/250
051144-20868-5	8"	P120	50/250
051144-88906-8	12"	36	10
051144-88905-1	12"	40	10
051144-88904-4	12"	50	10
051144-88903-7	12"	60	10
051144-88902-0	12"	80	10
051144-88901-3	12"	P100	10
051144-88890-0	16"	36	10
051144-88889-4	16"	40	10
051144-88887-0	16"	60	10
051144-88886-3	16"	80	10
051144-88882-5	18"	36	10
051144-88880-1	18"	60	10
051144-88878-8	20"	36	10
051144-88877-1	20"	40	10
051144-88876-4	20"	50	10
051144-88875-7	20"	60	10
051144-88874-0	20"	80	10
051144-20802-9	24"	36	10
051144-20801-2	24"	40	10
051144-20798-5	24"	80	10

3M™ PSA Disc 777F

- 3M ceramic aluminum oxide blend abrasive grain on a polyester cloth backing
- Heavy-duty YF wt backing provides great strength and flexibility
- Provides long life and fast cut on multiple surfaces
- Includes a grinding aid for cooler running



UPC	Diameter	Grade	Qty/Case
Cloth Backing			
051144-88869-6	12"	36	10
051144-88873-3	12"	40	10
051144-88872-6	12"	50	10
051144-88871-9	12"	60	10
051144-88870-2	12"	80	10