

Bonded Abrasives Systems

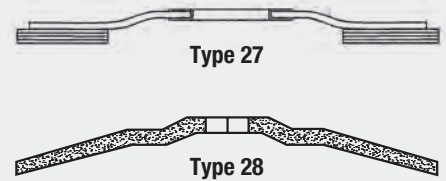


3M™ Bonded Wheels

Designed for your toughest grinding and cutting applications, 3M™ Grinding and Cut-Off Wheels are fast cutting and long lasting. Run with 3M™ Grinders or 3M™ Cut-Off Wheel Tools for optimal performance. For use on all metals. **DO NOT USE ON TOOLS WITHOUT GUARDS.**

3M™ Bonded Wheels Selection Guide

Bonded Wheel	Mineral	Type	Performance
3M™ Cubitron™ II	Precision Shaped Ceramic	T27	Premium
3M™ High Performance	Ceramic Abrasive Grain	T27	Best
3M™ Green Corps™	Ceramic Abrasive Grain	T27 and T28	Better
3M™ General Purpose	Aluminum Oxide	T27	Good



3M™ Cubitron™ II Depressed Center Grinding Wheel Type 27

- 3M precision-shaped grain for ultra fast cut and long life
- Cuts with less pressure
- Specially formulated for use on stainless and mild steel
- Cool cutting
- Available with quick change attachment
- **DO NOT USE ON TOOLS WITHOUT GUARDS**



UPC	Dia. x Thk. x AH	Max. RPM	Qty./Case
051115-66598-1	4" x 1/4" x 3/8"	15,300	10/20
051115-66597-4	4" x 1/4" x 5/8"	15,300	10/20
051115-66587-5	4-1/2" x 1/4" x 7/8"	13,300	10/20
051115-66588-2	5" x 1/4" x 7/8"	12,250	10/20
051115-66589-9	6" x 1/4" x 7/8"	10,200	10/20
051115-66590-5	7" x 1/4" x 7/8"	8,500	10/20
051115-66591-2	9" x 1/4" x 7/8"	6,650	10/20
Quick Change			
051115-66596-7	4-1/2" x 1/4" x 5/8-11	13,300	10/20
051115-66592-9	5" x 1/4" x 5/8-11	12,250	10/20
051115-66593-6	6" x 1/4" x 5/8-11	10,200	10/20
051115-66594-3	7" x 1/4" x 5/8-11	8,500	10/20
051115-66595-0	9" x 1/4" x 5/8-11	6,650	10/20

3M™ Depressed Center Grinding Wheels

3M™ High Performance Depressed Center Grinding Wheel Type 27

- A blend of conventional and precision-shaped grain provides fast cut and long life
- Cuts with less pressure
- Specially formulated for use on stainless and mild steel
- Available with quick change attachment
- **DO NOT USE ON TOOLS WITHOUT GUARDS**



UPC	Dia. x Thk. x AH	Max. RPM	Qty./Case
051115-66555-4	4" x 1/4" x 3/8"	15,300	10/20
051115-66554-7	4" x 1/4" x 5/8"	15,300	10/20
051115-66544-8	4-1/2" x 1/4" x 7/8"	13,300	10/20
051115-66545-5	5" x 1/4" x 7/8"	12,250	10/20
051115-66546-2	6" x 1/4" x 7/8"	10,200	10/20
051115-66547-9	7" x 1/4" x 7/8"	8,500	10/20
051115-66548-6	9" x 1/4" x 7/8"	6,650	10/20
Quick Change			
051115-66553-0	4-1/2" x 1/4" x 5/8-11	13,300	10/20
051115-66549-3	5" x 1/4" x 5/8-11	12,250	10/20
051115-66550-9	6" x 1/4" x 5/8-11	10,200	10/20
051115-66551-6	7" x 1/4" x 5/8-11	8,500	10/20
051115-66552-3	9" x 1/4" x 5/8-11	6,650	10/20

For safe applications using cut-off wheels, refer to ANSI B-7.1 for details. **ALWAYS** use appropriate wheel guards. Refer to ANSI B-186.1 for guarding requirements.

3M™ Depressed Center Grinding Wheels

3M™ Green Corps™ Type 27 Flexible Grinding Wheel

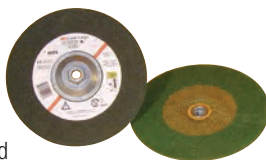
- 3M ceramic abrasive grain
- Can be used on a wide variety of metals
- Smooth running wheels produce less noise and vibration when grinding
- **DO NOT USE ON TOOLS WITHOUT GUARDS**



UPC	Dia. x Thk. x AH	Grade	Max. RPM	Qty./Case
051111-50440-6	4-1/2" x 1/8" x 7/8"	36	13,300	20/40
051111-50442-0	4-1/2" x 1/8" x 7/8"	46	13,300	20/40
051111-50443-7	4-1/2" x 1/8" x 7/8"	60	13,300	20/40
051111-50444-4	4-1/2" x 1/8" x 7/8"	80	13,300	20/40
051111-50445-1	7" x 1/8" x 7/8"	36	8,500	20/20
051111-50446-8	7" x 1/8" x 7/8"	46	8,500	20/20
051111-50447-5	7" x 1/8" x 7/8"	60	8,500	20/20

3M™ Green Corps™ Type 27 Depressed Center Wheel

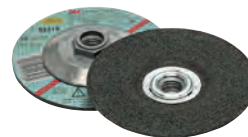
- 3M ceramic abrasive grain
- Provides fast cut and long life
- Use with right angle grinders with a guard
- **DO NOT USE ON TOOLS WITHOUT GUARDS**



UPC	Dia. x Thk. x AH	Grade	Max. RPM	Qty./Case
051111-61010-7	4" x 1/4" x 3/8"	24	15,000	60
051111-55991-8	4-1/2" x 1/4" x 7/8"	24	13,300	40
051111-55992-5	4-1/2" x 1/4" x 7/8"	36	13,300	40
051111-55960-4	4-1/2" x 1/4" x 5/8-11 INT	24	13,300	40
051111-55961-1	4-1/2" x 1/4" x 5/8-11 INT	36	13,300	40
051111-55989-5	7" x 1/4" x 7/8"	24	8,500	20
051111-55990-1	7" x 1/4" x 7/8"	36	8,500	20
051111-55958-1	7" x 1/4" x 5/8-11 INT	24	8,500	20
051111-55959-8	7" x 1/4" x 5/8-11 INT	36	8,500	20
051111-55987-1	9" x 1/4" x 7/8"	24	6,600	20
051111-55956-7	9" x 1/4" x 5/8-11 INT	24	6,600	20

3M™ Green Corps™ Type 27 Cutting and Grinding Wheel

- 3M ceramic abrasive grain
- Safe to grind outer face and cut with edge of same wheel
- **DO NOT USE ON TOOLS WITHOUT GUARDS**



UPC	Dia. x Thk. x AH	Grade	Max. RPM	Qty./Case
051135-92316-0	4-1/2" x 1/8" x 7/8"	36	13,300	40
051135-92318-4	4-1/2" x 1/8" x 5/8-11 INT	36	13,300	40
051135-92317-7	7" x 1/8" x 7/8"	36	8,500	20
051135-92319-1	7" x 1/8" x 5/8-11 INT	36	8,500	20

3M™ Green Corps™ T-28 Depressed Center Wheel

- Made with 3M ceramic abrasive grain for fast cut rates and long life
- T28 shape works well when grinding at lower tool angles (15-25 degrees)
- Great for weld removal, grinding in tight areas and other MRO applications
- **DO NOT USE ON TOOLS WITHOUT GUARDS**



UPC	Dia. x Thk. x AH	Grade	Max. RPM	Qty./Case
051141-28327-2	7" x 1/4" x 5/8 INT	24	8,500	10

3M™ General Purpose Type 27 Wheel

- Aluminum oxide mineral
- Durable wheel provides exceptionally long life at a value price
- Excellent, economical choice for general purpose grinding on steel
- **DO NOT USE ON TOOLS WITHOUT GUARDS**



UPC	Dia. x Thk. x AH	Grade	Max. RPM	Qty./Case
051135-92312-2	4-1/2" x 1/4" x 7/8"	24	13,300	40
051135-92314-6	4-1/2" x 1/4" x 5/8-11 INT	24	13,300	40
051135-92313-9	7" x 1/4" x 7/8"	24	8,500	20
051135-92315-3	7" x 1/4" x 5/8-11 INT	24	8,500	20

3M™ Cubitron™ II Cut & Grind Wheels

If you're looking for a simple, effective way to boost shop productivity, new 3M™ Cubitron™ II Cut & Grind Wheels are the answer! These versatile bonded wheels are designed to be used both like a depressed center grinding wheel and as a cut-off wheel — making them ideal for cutting, grinding, gouging and more. **DO NOT USE ON TOOLS WITHOUT GUARDS.**

Optimized for use on mild steel and stainless steel, in applications including:

- Cutting
- Gouging
- Beveling
- Notching
- Fillet weld removal



Type 27

3M™ Cut and Grind Wheels

3M™ Cubitron™ II Type 27 Cut & Grind Wheel



- 3M precision-shaped grain for super fast cut and long life
- Versatile — can be used as both a grinding wheel and a cut-off wheel
- Optimized for use on mild steel and stainless steel — for cutting, gouging, beveling, notching and fillet weld removal
- Available with quick change attachment
- **DO NOT USE ON TOOLS WITHOUT GUARDS**

UPC	Dia. x Thk. x AH	Max. RPM	Qty./Case
046719-82276-8	4" x 1/8" x 3/8"	15,300	10/20
046719-82277-5	4" x 1/8" x 5/8"	15,300	10/20
046719-82278-2	5" x 1/8" x 7/8"	12,250	10/20
046719-82279-9	4-1/2" x 1/8" x 7/8"	13,300	10/20
051141-28758-4	6" x 1/8" x 7/8"	10,200	10/20
051141-28760-7	7" x 1/8" x 7/8"	8,500	10/20
051141-28761-4	9" x 1/8" x 7/8"	6,650	10/20
Quick Change			
051141-28762-1	4-1/2" x 1/8" x 5/8-11	13,300	10/20
051141-28763-8	5" x 1/8" x 5/8-11	12,250	10/20
051141-28764-5	6" x 1/8" x 5/8-11	10,200	10/20
051141-28765-2	7" x 1/8" x 5/8-11	8,500	10/20
051141-28766-9	9" x 1/8" x 5/8-11	6,650	10/20



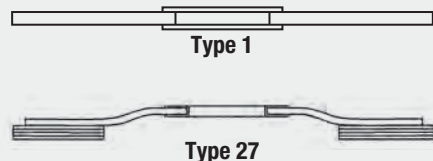
For safe applications using cut-off wheels, refer to ANSI B-7.1 for details. **ALWAYS** use appropriate wheel guards. Refer to ANSI B-186.1 for guarding requirements.

3M™ Cut-Off Wheels

Durable and fast-cutting wheels for your toughest cutting applications. Run with 3M™ Cut-Off Wheel Tools for optimal performance. For use on all metals.

3M™ Cut-Off Wheels Selection Guide

Product	Mineral	Type	Performance
3M™ Cubitron™ II	Precision Shaped Ceramic	T1	Premium
		T27	Premium
3M™ High Performance	Ceramic Abrasive Grain	T1	Best
		T27	Best
3M™ Green Corps™	Ceramic Abrasive Grain	T1	Better
3M™ General Purpose	Aluminum Oxide	T1	Good



3M™ Cut-Off Wheels

3M™ Cubitron™ II Cut-Off Wheel Type 1

- Premium performance
- 3M precision-shaped grain for ultra-fast cool cutting action and long life
- Cuts with less pressure
- Cool cutting
- Specially formulated for use on stainless and mild steel

NEW!



UPC	Dia. x Thk. x AH	Max. RPM	Qty./Case
051115-66513-4	3" x .035" x 1/4"	25,465	25/50
051115-66514-1	3" x .035" x 3/8"	25,465	25/50
051115-66515-8	3" x .06" x 1/4"	25,465	25/50
051115-66516-5	3" x .06" x 3/8"	25,465	25/50
051115-66517-2	4" x .035" x 1/4"	19,100	25/50
051115-66518-9	4" x .035" x 3/8"	19,100	25/50
051115-66519-6	4" x .035" x 5/8"	15,300	25/50
051115-66520-2	4" x .06" x 3/8"	19,100	25/50
051115-66521-9	4" x .09" x 5/8"	15,300	25/50
051115-66522-6	4" x .045" x 5/8"	15,300	25/50
051115-66523-3	4" x .06" x 5/8"	15,300	25/50
051115-66524-0	4" x .125" x 3/8"	19,100	25/50
051115-66525-7	4-1/2" x .045" x 7/8"	13,300	25/50
051115-66526-4	5" x .045" x 7/8"	12,250	25/50
051115-66527-1	6" x .045" x 7/8"	10,200	25/50
051115-66528-8	7" x .045" x 7/8"	8,500	25/50

3M™ Cubitron™ II Cut-Off Wheel Type 27

- Premium performance
- 3M precision-shaped grain for ultra-fast cool cutting action and long life
- Cuts with less pressure
- Specially formulated for use on stainless and mild steel
- Available with quick change attachment

NEW!



UPC	Dia. x Thk. x AH	Max. RPM	Qty./Case
051115-66529-5	4" x .045" x 5/8"	15,300	25/50
051115-66531-8	4-1/2" x .045" x 7/8"	13,300	25/50
051115-66533-2	4-1/2" x .09" x 7/8"	13,300	25/50
051115-66535-6	4-1/2" x .125" x 7/8"	13,300	25/50
051115-66537-0	5" x .045" x 7/8"	12,250	25/50
051115-66539-4	5" x .09" x 7/8"	12,250	25/50
051115-66541-7	6" x .045" x 7/8"	10,200	25/50
051115-66543-1	7" x .09" x 7/8"	8,500	25/50
Quick Change			
051115-66530-1	4-1/2" x .045" x 5/8-11	13,300	25/50
051115-66532-5	4-1/2" x .09" x 5/8-11	13,300	25/50
051115-66534-9	4-1/2" x .125" x 5/8-11	13,300	25/50
051115-66536-3	5" x .045" x 5/8-11	12,250	25/50
051115-66538-7	5" x .09" x 5/8-11	12,250	25/50
051115-66540-0	6" x .045" x 5/8-11	10,200	25/50
051115-66542-4	7" x .09" x 5/8-11	8,500	25/50

3M™ Cut-Off Wheels

3M™ High Performance
Cut-Off Wheel Type 1**NEW!**

- A blend of 3M precision-shaped ceramic grain and conventional abrasive grain provides fast cut and long life
- Specially formulated for use on stainless and mild steel

UPC	Dia. x Thk. x AH	Max. RPM	Qty./Case
051115-66556-1	3" x .035" x 1/4"	25,465	25/50
051115-66557-8	3" x .035" x 3/8"	25,465	25/50
051115-66558-5	3" x .06" x 1/4"	25,465	25/50
051115-66559-2	3" x .06" x 3/8"	25,465	25/50
051115-66560-8	4" x .035" x 1/4"	19,100	25/50
051115-66561-5	4" x .035" x 3/8"	19,100	25/50
051115-66562-2	4" x .035" x 5/8"	15,300	25/50
051115-66563-9	4" x .06" x 3/8"	19,100	25/50
051115-66564-6	4" x .09" x 5/8"	15,300	25/50
051115-66565-3	4" x .045" x 5/8"	15,300	25/50
051115-66566-0	4" x .06" x 5/8"	15,300	25/50
051115-66567-7	4" x .125" x 3/8"	19,100	25/50
051115-66568-4	4-1/2" x .045" x 7/8"	13,300	25/50
051115-66569-1	5" x .045" x 7/8"	12,250	25/50
051115-66570-7	6" x .045" x 7/8"	10,200	25/50
051115-66571-4	7" x .045" x 7/8"	8,500	25/50

3M™ High Performance
Cut-Off Wheel Type 27**NEW!**

- A blend of 3M precision-shaped ceramic grain and conventional abrasive grain provides fast cut and long life
- Specially formulated for use on stainless and mild steel

UPC	Dia. x Thk. x AH	Max. RPM	Qty./Case
051115-66572-1	4" x .045" x 5/8"	15,300	25/50
051115-66574-5	4-1/2" x .045" x 7/8"	13,300	25/50
051115-66576-9	4-1/2" x .09" x 7/8"	13,300	25/50
051115-66578-3	4-1/2" x .125" x 7/8"	13,300	25/50
051115-66580-6	5" x .045" x 7/8"	12,250	25/50
051115-66582-0	5" x .09" x 7/8"	12,250	25/50
051115-66584-4	6" x .045" x 7/8"	10,200	25/50
051115-66586-8	7" x .09" x 7/8"	8,500	25/50
Quick Change			
051115-66573-8	4-1/2" x .045" x 5/8-11	13,300	25/50
051115-66575-2	4-1/2" x .09" x 5/8-11	13,300	25/50
051115-66577-6	4-1/2" x .125" x 5/8-11	13,300	25/50
051115-66579-0	5" x .045" x 5/8-11	12,250	25/50
051115-66581-3	5" x .09" x 5/8-11	12,250	25/50
051115-66583-7	6" x .045" x 5/8-11	10,200	25/50
051115-66585-1	7" x .09" x 5/8-11	8,500	25/50

3M™ Green Corps™ Cut-Off Wheels



- 3M ceramic abrasive grain
- Provides high cut rates and long life on various substrates, including fiberglass, stainless steel and carbon steel
- Must be used with ANSI-approved flanges for Type 1 cut-off wheels
- **DO NOT USE ON TOOLS WITHOUT GUARDS**

UPC	Dia. x W x AH	Max. RPM	Min./Case
051144-83487-7	2" x 1/16" x 1/4"	42,000	50/50
051144-82238-6	3" x 1/32" x 1/4"	35,000	50/50
051131-01989-8	3" x 1/32" x 3/8"	35,000	5 wheels/pack 10 packs/case
051131-01985-0	3" x 1/32" x 3/8"	35,000	50/50
051131-01990-4	3" x 1/16" x 3/8"	28,000	5 wheels/pack 10 packs/case
051131-01986-7	3" x 1/16" x 3/8"	28,000	50/50
051144-83488-4	4" x 1/16" x 3/8"	21,000	50/50
051144-88755-2	4" x 1/32" x 1/4"	26,250	50/50
051131-01994-2	4" x 1/32" x 3/8"	26,250	50/50
051141-20275-4	4-1/2" x 3/64" x 7/8"	13,300	50/200
051141-20276-1	4-5/64" x 3/64" x 7/8"	12,200	50/200

3M™ General Purpose Cut-Off Wheels



- Value priced wheel provides fast cut and long life
- Best on carbon steel
- Must be used with ANSI-approved flanges for Type 1 cut-off wheels
- **DO NOT USE ON TOOLS WITHOUT GUARDS**

UPC	Dia. x W x AH	Max. RPM	Min./Case
051141-20447-5	6" x .045" x 7/8"	10,200	50/100
051141-20448-2	4" x 1/32" x 3/8"	21,000	50/100
051141-20449-9	4" x 1/16" x 3/8"	21,000	50/100