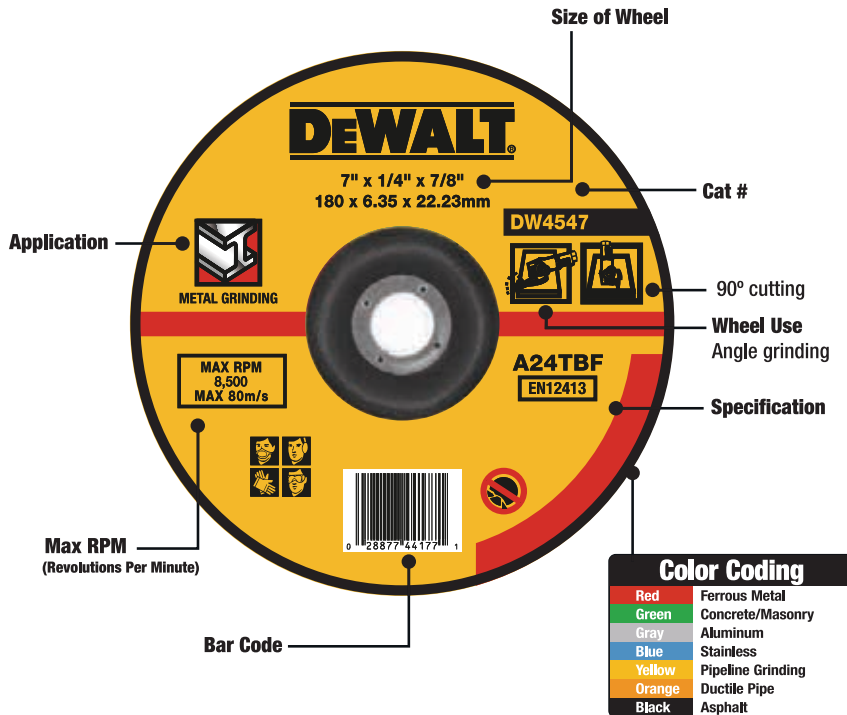


INTRODUCTION TO BONDED ABRASIVES

DEWALT Abrasive Product Identification

DEWALT utilizes an industry recognized color coding and identification system to help users identify the right bonded abrasive wheel for their application. There are also several other key identifiers to look for on a wheel; RPM's, wheel size, thickness and bore size to ensure the correct product is used.



American National Standards Institute (ANSI)

A	
Primary grain used to make the wheel	
A	Aluminum Oxide
TA	Treated Aluminum Oxide
C	Silicon Carbide
Z	Aluminum Zirconia

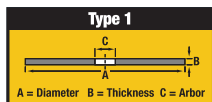
24			
Size of the abrasive grain			
Coarse	Medium	Fine	Very Fine
16	30	100	220
20	36	120	240
24	46	180	280
	60		

R				
Hardness of the bond				
Soft	Medium	Hard		
A	N	R	T	Z

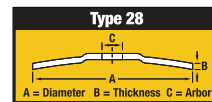
BF	
Type of bond used	
B	Resinoid
BF	Resinoid Reinforced
RF	Rubber Reinforced
S	Silicate
V	Vitrified

Types of Bonded Abrasives

Cutting & Edge Grinding

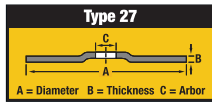


Angle Grinding at Shallow Angles



0°-15°

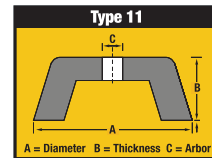
Angle Grinding & Edge Grinding



15°-25°



Surface Grinding



0°-15°

BONDED ABRASIVES

DEPRESSED CENTRE

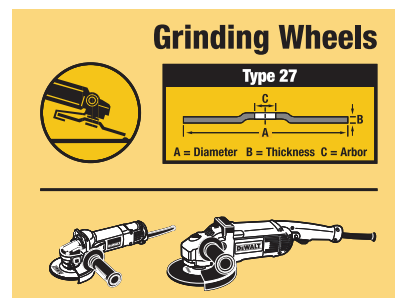
Grinding Wheels

- High grain concentration for aggressive grinding action and smooth running wheels
- Proprietary material mix ensures durable long life wheels
- Three sheets of fiberglass for durability

METAL

- Aluminum oxide grain.
- Softer formulation than High Performance for fast grinding.
- General purpose metal grinding.

FERROUS METAL
STAINLESS STEEL



DEWALT DEPRESSED CENTRE METAL GRINDING WHEELS

Cat #	Type	Diameter (mm)	Thickness (mm)	Bore Size (mm)	Specification	Max RPM	PKS
DT34404	27	100	4,0	16	Metal	15200	25
DWA4500-IN (Red)	27	100	5,0	16	Metal	13750	30
DT34406	27	100	6,0	16	Metal	15200	25
DW4543	27	125	6,0	22.2	Metal	12200	25
DW4547-IN	27	180	6,3	22.2	Metal	8500	40
DWA4547-IN (Red)	27	180	6,7	22.2	Metal	8500	25
DW4549	27	230	6	22.2	Metal	6600	10

BONDED ABRASIVES

CUT-OFF WHEELS

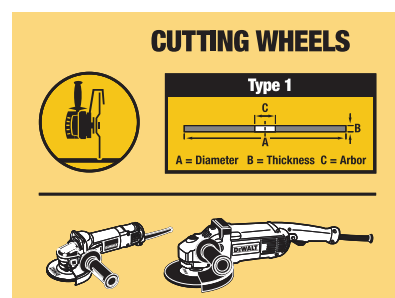
Cutting Wheels

- Thin wheel design for fast burr free cutting.
- Proprietary material mix ensures durable long life wheels.
- Two sheets of fiberglass for durability & safety.

METAL

- Aluminum oxide grain.
- Softer formulation than High Performance for fast cutting.
- Cutting in all types of ferrous metals and stainless metals.
- Fast burr free cutting.

FERROUS METAL
STAINLESS STEEL



DEWALT CUT-OFF WHEELS

Cat #	Type	Diameter (mm)	Thickness (mm)	Bore Size (mm)	Specification	Max RPM	PKS
DWA8060-IN	1	100	1.2	16	Metal & Stainless Steel	15200	100
DWA8051-IN	1	100	1.8	16	Metal	13300	50
DWA4520F	1	100	2.8	16	Metal	13750	200
DWA8062-IN	1	125	1.2	22.2	Metal & Stainless Steel	12200	100
DWA8052	1	125	1.6	22.2	Metal & Stainless Steel	12200	100
DWA4522	1	125	3	22.2	Metal	12200	200
DWA8922-IN	1	180	1.6	22.2	Metal & Stainless Steel	8500	50
DWA4524F	1	180	3.0	22.2	Metal	8500	100
DW44560	1	180	3.2	22.2	Metal	8500	100
DWA4525IA-AE	1	230	3	22.2	Metal	6650	50
DWA8011R	1	355	2.8	25.4	Metal	3870	25
DWA8011RFCIA-B1	1	355	3	25.4	Metal	3875	10
DWA8011S-IN (Smooth)	1	355	2.8	25.4	Metal	4800	25

COATED ABRASIVE

FIBER SANDING DISC

Cat #	Type	Diameter (mm)	Bore Size (mm)	Specification	PKS
D32-IN	Aluminium Oxide	100	16	36	10
D34-IN	Aluminium Oxide	100	16	60	10
D35-IN	Aluminium Oxide	100	16	80	10
D36-IN	Aluminium Oxide	100	16	120	10
D22-IN	Aluminium Oxide	125	22.2	36	10
D24-IN	Aluminium Oxide	125	22.2	60	10
D25-IN	Aluminium Oxide	125	22.2	80	10
D26-IN	Aluminium Oxide	125	22.2	120	10
D2-IN	Aluminium Oxide	180	22.2	36	10
D4-IN	Aluminium Oxide	180	22.2	60	10
D5-IN	Aluminium Oxide	180	22.2	80	10
D6-IN	Aluminium Oxide	180	22.2	120	10
DZC32-IN	Zirconium	100	16	36	10
DZC33-IN	Zirconium	100	16	60	10
DZC22-IN	Zirconium	125	22.2	36	10
DZC23-IN	Zirconium	125	22.2	60	10
DZC2-IN	Zirconium	180	22.2	36	10
DZC3-IN	Zirconium	180	22.2	60	10
DZC9-IN	Zirconium	180	22.2	80	10
DZC10-IN	Zirconium	180	22.2	120	10
ZIRCON-IN-PROMO	Zirconium	100,125,180 Mixed Sizes			
ALCON-IN-PROMO	Aluminium Oxide	100,125,180 Mixed Sizes			



- Tough fiber backing to prevent tearing
- Proprietary material mix ensuring durability
- High performance for faster sanding

Available from 24G to 120G in 4", 5" & 7"



Aluminium Oxide

Zirconium

MARBLE CUTTING BLADES, TURBO GRINDING WHEELS & WIRE BRUSH

For Use with Marble Cutters & Angle Grinders

FEATURES

- High diamond concentration for long life and aggressive material removal.
- Large grinding segments with heat treated steel bodies which provides increases durability and wheel life.



MARBLE CUTTING BLADES & TURBO GRINDING WHEELS

Cat #	Description	Diameter (mm)	Bore (mm)	Pack Qty.
DW47402M-IN	4" MCB - 110mm x 20 (Segment Height 10 mm) for Marble	110	16/20	1
DW47401M-IN	4" MCB - 110mm x 20 Continuous (Segment Height 9 mm) for Marble	110	16/20	1
DW47402G-IN	4" MCB - 110mm x 20 (Segment Height 10 mm) for Granite	110	16/20	1
DW47502M-IN	5" MCB - 125mm x 22.23 (Segment Height 10 mm) for Marble	125	22,2	1
DW47502G-IN	5" MCB - 125mm x 22.23 (Segment Height 10 mm) for Granite	125	22,2	1
DW47402MB25-IN	Bulk Pack 25pc -4" MCB - 110mm x 20 for Marble	125	16/20	25
DW47401MB25-IN	Bulk Pack 25pc -4" MCB - 110mm x 20 Continuous for Marble	110	16/20	25
DW47402GB25-IN	Bulk Pack 25pc -4" MCB - 110mm x 20 for Granite	110	16/20	25
DW47502MB25-IN	Bulk Pack 25pc -5" MCB - 125mm x 22.23 for Marble	125	22,2	25
DW47502GB25-IN	Bulk Pack 25pc -5" MCB - 125mm x 22.23 for Granite	125	22,2	25
DX3101	PORCELAIN TILES Thin Cutter 100X1.2X 20mm (Industrial Grade)	100	20	1
DX3121	PORCELAIN TILES Thin Cutter 115X1.2X 22.23mm (Industrial Grade)	115	22,2	1
DX3161	PORCELAIN TILES Thin Cutter 180X1.4X 22.23mm (Industrial Grade)	180	22,2	1
DX3781	9" MCB - 230mm X 22.23 mm- LASER BLADE CONCRETE	230	22,2	1
DX4061	180 MM TURBO GRINDING WHEEL FOR CONCRETE	180	22,2	1
DX4001	100MM TURBO GRINDING WHEELS FOR CONCRETE	100	16	1



WIRE BRUSHES & CUP WHEELS

Cat #	Diameter (mm)	Bore (mm)	Wire Length (mm)	Pack Qty.
DT3500-QZ	65	M14	18	1
DT3489-QZ	100	M14	26	1
DT3501-QZ	100	M14	24	1
DT3502-QZ	115	M14	x	1
DW4772T-AE	100	22,2	x	1
DW4774T-AE	115	22,2	x	1
DW4777T-AE	125	22,2	x	1
DW4775T-AE	180	22,2	x	1