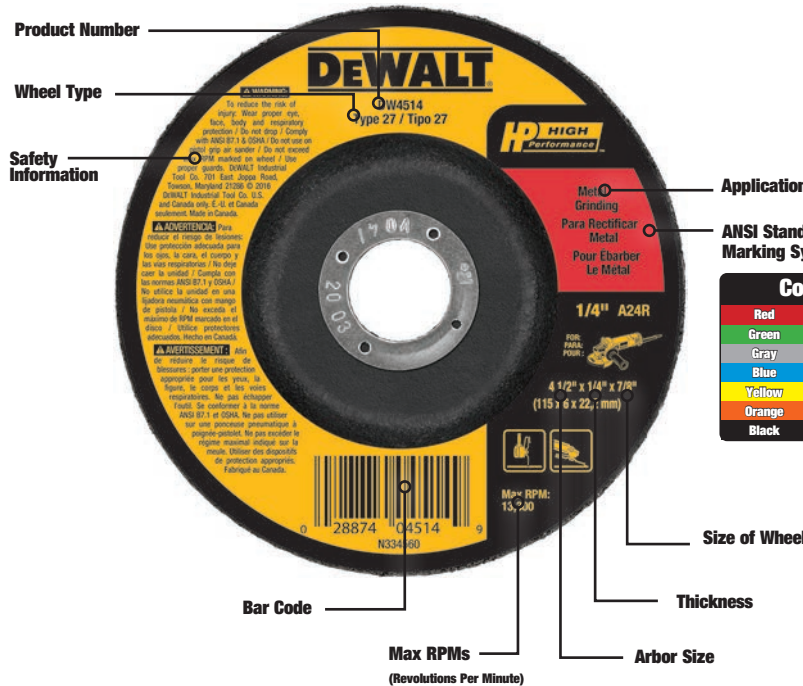**GUARANTEED TOUGH.®**

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; s, wheel size, thickness, and arbor size to ensure the correct product is used.

American National Standards Institute (ANSI)

Product Number
Wheel Type
Safety Information
Application
ANSI Standard Marking System

Color Coding

Color	Material
Red	Ferrous Metal
Green	Concrete/Masonry
Gray	Aluminum
Blue	Stainless
Yellow	Pipeline Grinding
Orange	Ductile Pipe
Black	Asphalt

Size of Wheel
Thickness
Bar Code
Max RPMs (Revolutions Per Minute)
Arbor Size

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

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 ABRASIVE GRAINS

-A-
ALUMNINUM OXIDE
Tough, durable grain used for cutting, grinding, and finishing of metal in bonded abrasives- and metal, wood, and coatings in coated abrasives.

-TA-
TREATED ALUMNINUM OXIDE
Aluminum oxide grain with a coating that increases bond strength for harder, longer lasting bonded abrasives.

-Z-
ZIRCONIA
Tough, durable grain with fine crystal structure used for rugged stock removal of metal in bonded abrasives, and metal, and wood in coated abrasives.

-C-
SILICON CARBIDE
Very hard and brittle grain used on concrete and very soft or very hard metals in bonded abrasives. For very fine finishing of metal and coatings in coated abrasives.

CERAMIC
Tough, durable grain with very fine crystal structure to create many more cutting edges in each grain. Used for the highest stock removal of metal in bonded and coated abrasives.
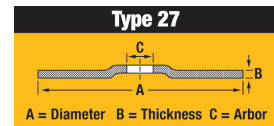
DIAMOND
Very hard and durable grain for use in cutting and grinding concrete and metal.

DEWALT

ACCESSORIES

TYPE 27 BONDED ABRASIVES *(continued)*

Type 27

A = Diameter B = Thickness C = Arbor

HP HIGH Performance™ — MASONRY CUTTING & GRINDING WHEELS

CAT #	DIA.	THICKNESS	ARBOR	GRIT	MAX RPM	PACK
Masonry Cutting						
DW4428	4"	1/8"	5/8"	C24R	15,200	25
DW4528	4-1/2"	1/8"	7/8"	C24R	13,300	25
DW4552	4-1/2"	1/8"	5/8"-11	C24R	13,300	10
DW4628	5"	1/8"	7/8"	C24R	12,200	25
DW4728	7"	1/8"	7/8"	C24R	8,700	10
DW4758	7"	1/8"	5/8"-11	C24R	8,700	10
DW4928	9"	1/8"	7/8"	C24R	6,600	10

CAT #	DIA.	THICKNESS	ARBOR	GRIT	MAX RPM	PACK
Masonry Grinding						
DW4429	4"	1/4"	5/8"	C24R	15,200	25
DW4524	4-1/2"	1/4"	7/8"	C24R	13,300	25
DW4551	4-1/2"	1/4"	5/8"-11	C24R	13,300	10
DW4629	5"	1/4"	7/8"	C24R	12,200	25
DW4554	7"	1/4"	7/8"	C24R	8,700	10
DW4759	7"	1/4"	5/8"-11	C24R	8,700	10
DW4959	9"	1/4"	5/8"-11	C24R	6,600	10

MASONRY GRINDING

CAT #	DIA.	THICKNESS	ARBOR	GRIT	APPLICATION	MAX RPM	PACK
Masonry Grinding							
DWA4500C	4"	1/4"	5/8"	C24R	Fast Masonry Grinding	15,200	25
DWA4501C	4-1/2"	1/4"	7/8"	C24R	Fast Masonry Grinding	13,300	25
DWA4514CH	7"	1/4"	5/8" -11	C24R	Fast Masonry Grinding	8,700	10

HP HIGH Performance™ — STAINLESS CUTTING & GRINDING WHEELS

CAT #	DIA.	THICKNESS	ARBOR	GRIT	MAX RPM	PACK
Stainless Steel Cutting CONTAMINANT-FREE						
DW8410	4"	1/4"	5/8"	A30S	15,200	25
DW8452	4-1/2"	1/8"	7/8"	A30S	13,300	25
DW8452H	4-1/2"	1/8"	5/8"-11	A30S	13,300	10
DW8454	5"	1/8"	7/8"	A30S	12,200	25
DW8457	6"	1/8"	7/8"	A30S	10,100	10
DW8457H	6"	1/8"	5/8"-11	A30S	10,100	10
DW8456	7"	1/8"	7/8"	A30S	8,700	10
DW8456H	7"	1/8"	5/8"-11	A30S	8,700	10
DW8458	9"	1/8"	7/8"	A30S	6,600	10
DW8458H	9"	1/8"	5/8"-11	A30S	6,600	10

CAT #	DIA.	THICKNESS	ARBOR	GRIT	MAX RPM	PACK
Stainless Steel Grinding						
DW8414	4-1/2"	1/4"	7/8"	A30S	13,300	25
DW8415	4-1/2"	1/4"	5/8"-11	A30S	13,300	10
DW8464	5"	1/4"	7/8"	A30S	12,200	25
DW8416	5"	1/4"	5/8"-11	A30S	12,200	10
DW8465	6"	1/4"	7/8"	A30S	10,100	10
DW8465H	6"	1/4"	5/8"-11	A30S	10,100	10
DW8466	7"	1/4"	7/8"	A30S	8,700	10
DW8417	7"	1/4"	5/8"-11	A30S	8,700	10
DW8419	9"	1/4"	5/8"-11	A30S	6,600	10

HP HIGH Performance™ — GRINDING WHEELS

CAT #	DIA.	THICKNESS	ARBOR	GRIT	APPLICATION	MAX RPM	PACK
Aluminum Grinding							
DW8400	4"	1/4"	5/8"	A30N	Aluminum Grinding	15,200	25
DW8404	4-1/2"	1/4"	7/8"	A30N	Aluminum Grinding	13,300	25
DW8405	4-1/2"	1/4"	5/8"-11	A30N	Aluminum Grinding	13,300	10
DW8474	5"	1/4"	7/8"	A30N	Aluminum Grinding	12,200	25
DW8406	5"	1/4"	5/8"-11	A30N	Aluminum Grinding	12,200	10
DW8475	6"	1/4"	7/8"	A30N	Aluminum Grinding	10,100	10
DW8475H	1/4"	1/4"	5/8"-11	A30N	Aluminum Grinding	10,100	10
DW8476	7"	1/4"	7/8"	A30N	Aluminum Grinding	8,700	10
DW8407	7"	1/4"	5/8"-11	A30N	Aluminum Grinding	8,700	10
DW8409	9"	1/4"	5/8"-11	A30N	Aluminum Grinding	6,600	10
DW8477	9"	1/4"	7/8"	A30N	Aluminum Grinding	6,600	19