

For more information on Drill Bits, see page 2137.

Drill Bit Blanks

- Ground finish
- Carbide material
- Dia. tolerance: +0.0000/-0.0005"

Solid carbide drill bit blanks come in standard sizes expressed in fractional inches, which are the most common trade size used for drill bits. They are harder than cobalt steel and high-speed steel drill bit blanks. They provide good wear resistance when drilling into the toughest materials. Machined to create custom drill bits with precise dimensions to suit specific applications. Typically used to check size of a drilled hole or to create gauges, drifts, punches, rollers, locating pins, spindles, or knockout pins.

Decimal	Item	Decimal	Item
Dia. Equivalent	No.	Dia. Equivalent	No.
1/32"	402Y50	3/16"	403C63
1/32"	403C19	2/64"	403C67
3/64"	402Y52	1/32"	403C69
3/64"	403C21	2/64"	403C73
1/16"	402Y54	3/8"	403A47
1/16"	403C23	3/8"	402Z48
3/64"	402Y56	2/64"	403C77
3/64"	403C25	2/64"	403C83
3/32"	402Y58	1/16"	402Z49
3/32"	402Y61	7/16"	403Z59
1/64"	403C29	2/64"	403C88
1/64"	403A30	1/32"	403C90
1/8"	402Y69	3/16"	403C94
3/64"	403C35	1/2"	403A49
3/32"	402Y89	1/2"	403C96
3/32"	403C37	1/32"	403D01
1/16"	403C41	9/16"	402Z78
3/16"	403A37	9/16"	403D03
3/16"	403C43	5/8"	402Z80
1/32"	403C47	5/8"	403D05
1/64"	403C51	3/4"	403A06
1/4"	403A42	3/4"	403D13
1/4"	403C55	1/32"	403D15
1/64"	403C57	7/8"	403A13
3/32"	403C59	7/8"	403D17
1/64"	403C61	1"	403A15
3/16"	403A46	1"	403D22



- Additional material and sizes are available on Grainger.com

Series 777 Tool Blanks

- Unfinished
- Carbide material
- Parallelism and flatness tolerances: ±0.020"



- Minimum grind stock: Thickness: +0.008"; Width: +0.012"; Length: +0.008"
- Additional material and sizes are available on Grainger.com

Commonly used as wear parts, tools, grinder rests, and appliance parts, solid C-2 grade medium-grain carbide strips contain 6% to 8% cobalt.

Thickness	W	L	Item No.	Thickness	W	L	Item No.
1/32 in	1/16 in	1 in	403F67	1/8 in	1/4 in	6 in	403H16
1/32 in	1/16 in	1 1/2 in	403F68	3/32 in	3/8 in	6 in	403H12
3/64 in	3/32 in	1 3/4 in	403F70	3/32 in	1 1/2 in	6 in	403H03
3/64 in	3/32 in	1 in	403F69	3/16 in	3/4 in	12 in	403G73
1/16 in	1 in	6 in	403C22	3/16 in	3/4 in	2 in	403F87
3/64 in	1 in	1 1/2 in	403F72	3/16 in	1 in	6 in	403G70
3/32 in	3/8 in	6 in	403C29	1/4 in	1/4 in	12 in	403G99
3/32 in	3/8 in	8 in	403G38	1/4 in	1/2 in	2 in	403G81
1/8 in	1/4 in	1 in	403F89	1/4 in	5/8 in	6 in	403G83
1/8 in	1/4 in	2 1/4 in	403F92	5/16 in	5/8 in	12 in	403G98
1/8 in	3/8 in	6 in	403G57	1/2 in	3/4 in	12 in	403G97
1/8 in	3/4 in	12 in	403G60				



Drill Bit Sharpeners

Sharpeners—Easy chuck alignment system for quick, precise sharpening. 110V, 1.75 amp motor produces 20,000 rpm. Long-lasting diamond wheel sharpens standard twist, HSS, TiN, cobalt, carbide, and masonry drills in under 60 sec. 6YB32 and 6YB33 can be used with split point bits. 6YB32 includes carrying case.

Sharpening Attachment—Locks into 5 standard angles (88°, 68°, 59°, 49°, and 41°) to quickly resharpen drill bits. Use with ANSI, OSHA, UL Listed standard electric bench or surface grinders.

Features	Brand	Mr. Model	Item No.
Sharpeners			
On-Chuck Alignment, Permanent Magnet Motor, V-Block Chuck Jaws Eliminate Jaw Twisting on Small Bits	Drill Doctor	DD350X	6YB34
Cast Aluminum Point Angle Shuttle, Jaw Guides Eliminate Jaw Twisting on Small Bits, Longer Chuck Jaws Hold Bits More Precisely, Permanent Magnet Motor, Push-to-Stop Drill Point Splitting Port	Drill Doctor	DD500X	6YB33
Adjustable Material Take-Off, Cast Aluminum Point Angle Shuttle, Jaw Guides Eliminate Jaw Twisting on Small Bits, Longer Chuck Jaws Hold Bits More Precisely, Permanent Magnet Motor, Push-to-Stop Drill Point Splitting Port	Drill Doctor	DD750X	6YB32
Sharpening Attachment (For Use With Bench/Surface Grinders)			
Automatically Adjusts to the Correct Clearance Angle, For Standard Angles 88°, 68°, 59°, 49°, 41°, Works with 1/8 in to 3/4 in, #1 to #30, A to Z, 3 to 19mm Drill Bits	General Tools	825	3ZH44

Description	For Use With Mr. Model Number	Brand	Mr. Model	Item No.
Accessories				
Replacement Grinding Wheels, Standard, Diamond 180 Grit	DD750X, DD500X	Drill Doctor	DA31320GF	2EJX1
Replacement Grinding Wheels, Coarse, Diamond 100 Grit	DD750X, DD500X	Drill Doctor	DA31325GF	2EJX2
Replacement Grinding Wheels, Chuck	DD750X, DD500X	Drill Doctor	DA70100PF	2EJX3
	—	Drill Doctor	DA02105PF	2EJX4
Sharpening Port	DD750X, DD500X	Drill Doctor	PP02144PF	3JDR7
Wheel Cover	—	Drill Doctor	PP02142PF	3JDR1



Drill Bit Sharpeners

For standard conic and split point styles. Drill Sharpener V-390 6MVH6 is for light-duty, intermittent jobs. Drill Sharpener XT-3000 6MVH7 is an advanced manual sharpener for use on a variety of drill sizes and styles. Drill Sharpener with Auto Sharpener XT-3000 6MVK0 performs the same functions as 6MVH7, but automates the drill sharpening process for higher volume requirements.

Table Description	Grinding Wheel Dia. (in.)	Drill Dia./Cap.	Angles Sharpened	Mr. Model	Item No.
Drill Sharpener V-390	3	1/8"-3/4"	118° to 140°	JVT1390	6MVH6
Drill Sharpener XT-3000	6	1/8"-1 1/2"	118° to 150°	LEX900	6MVH7
Drill Sharpener w/Auto Sharpener XT-3000	6	1/8" - 1 1/2"	118° to 150°	LEX900A	6MVK0

Description	Mr. Model	Item No.
For Use With No. 6MVH6		
Cubic Boron Nitride Grinding Wheel, 3" Dia., 180 Grit	PP11125GF	6MVK3
Diamond Grinding Wheel, 3" Dia., 180 Grit	PP11115GF	6MVK4
For Use With Nos. 6MVH7/6MVK0		
Cubic Boron Nitride Grinding Wheel, 6" Dia., 100 Grit	PP16060GF	6MVK7
Cubic Boron Nitride Grinding Wheel, 6" Dia., 180 Grit	PP16050GF	6MVK5
Diamond Grinding Wheel, 6" Dia., 180 Grit	PP16052GF	6MVK6
LEX200, LEX250, Mr. No. XT-3000, Required with Attachments: Mr. No. LEX150, XT-3000 Auto		
Drill Bit/End Mill Sharpener Part	LEX100	6MVJ0
Mr. No. XT-3000		
Drill Bit/End Mill Sharpener Part, 3-21mm XT	LEX500	6MVJ9
Mr. No. XT-3000, Mr. No. XT-3000 Auto, Must Be Used with X-Y Table Mr. No. LEX100		
Drill Bit/End Mill Sharpener Part, For Drill Bits and End Mills	LEX150	6MVJ1 *
Mr. No. XT-3000, XT-3000 Auto		
Drill Bit/End Mill Sharpener Part, XT-3000	LEX300	6MVJ4

* Requires LEX100.