

PRODUCTIVITY TOOLING SOLUTIONS For the metalworking industry



DRILLCO CUTTING TOOLS TRIUMPH



CHOOSE THE RIGHT DRILL FOR THE JOB

Drills come in different sizes, substrates, coatings and specifications. Choosing the right drill for the application at hand is an important part of any project and can have a significant impact on productivity, and life of your tools.

Here's a quick overview of several types of material substrates and design types to help increase productivity and reduce material waste and downtime.

Drill Bit Materials

High Speed Steel (HSS): The most commonly used tool material for general purpose drilling. Suitable for most materials, including low to medium strength steels, aluminum and other non-ferrous materials, as well as wood and plastic.

Cobalt (HSCo): This composition increases tool "hardness" and improved "wear resistance" making it a great option for drilling into harder steel as well as stainless steel grades.

Carbide (HM): Carbide tools are designed for very hard and very tough to machine materials. Carbide drills are more brittle than HSS or HSCo drills, and should only be used for production drilling in stationary equipment. They are not recommended for use in hand held portable drills.

Drill Point Angle

118° Standard: Used for mild steels and free machining materials.

118° or 135° Split Point: Self-centering, four-facet point allows for faster cutting and less "walking". Best for curved surfaces and <u>"hand-drilling"</u> on harder materials.



Drill Length | sub

Shorter drills provide better accuracy, are more rigid and are better for drilling in tighter, more confined spaces. Shorter length tools also mitigate deflection and breakage. Jobber length drills are most common because they provide extra reach and they can be used in most applications.



Drill Coatings & Surface Treatments



Bright Finish: No finish or coating, just smooth polished for increased chip flow. For use on soft metals, aluminum, plastic and wood.



Black Oxide Surface Treatment: Reduces friction and heat damage. Increases tool life. For performance on low to medium tensile strength materials.



Black and Gold: Better resistance to corrosion and breakage while increasing lubricity. Reduces chipping and flaking. Can be used on most materials.



Titanium Nitride Coated (TiN): High hardness combined with low friction properties ensures considerably longer tool life and better cutting performance on most materials.



Bronze Surface Treatment: Will increase lubricity and bit life while reducing chip build-up. For performance on harder metals and stainless steel.

General Purpose Drills

Jobber Drills | High Speed Steel

Bright Finish For aluminum and other non-ferrous materials		
Point type	Series	Catalog page reference
118º Conventional point	200B, 240B, 280B	2-4

Also available in sets: 200B29

S&D Drills | High Speed Steel

Bright and Black Finish For better performance on low to medium tensile strength materials		
Point type	Series	Catalog page reference
118º Point 1/2" reduced shank	1000A, 1000F	56-59
5		

Jobber Drills | High Speed Steel

DRILLCO

Black Oxide For low to medium tensile strength materials		
Point type	Series	Catalog page reference
118º Conventional point	200A, 240A, 280A	2-4

Also available in sets: 200A29, 200AW29

Screw Machine | High Speed Steel

Black Oxide For better performance on low to medium tensile strength materials		
Point type	Series	Catalog page reference
135º Split point straight shank	300A, 340A, 380A	34-37

Also available in sets: 1000A5, 1000A8, 1000F5, 1000F8

Heavy-Duty Drills

Jobber Drills | High Speed Steel

Black Oxide For better performance on low to medium tensile strength materials		
Point type	Series	Catalog page reference
135° Split point	400A, 440A, 480A	15-17

Also available in sets: 400AW29, 400HD29

Jobber Drills | High Speed Steel

Black & Gold Finish Heavy-duty core guarantees increased strength and better resistance to breakage, with a 3-flat shank		
Point type	Series	Catalog page reference
135° split point 3-flat shank THU DERBIT	T1HD+, T2HD+, T3HD+, MM1HD+, BP1HD+	8-13
222	12-12	

Also available in sets: 17HDDC+, T17HD+

S&D Drills | Cobalt

Bronze Treatment Stainless steel, titanium, high tensile steels and other hard materials		
Point type	Series	Catalog page reference
135º 1/2" reduced shank	1000C	61

Also available in sets: 1000C5, 1000C8

Jobber Drills | High Speed Steel

Also available in sets: 300A29

Black & Gold Finish Most materials		
Point type	Series	Catalog page reference
135º Split point	400N, 440N, 480N, 1035N	12-14-54

Also available in sets: 400N29, 400NW29

Jobber Drills | Cobalt

Bronze Treatment Stainless steel, titanium, high tensile steels and other hard materials		
Point type	Series	Catalog page reference
135° Split point	500A, 540A, 580A	25-28
1.5-	5-5-5-	

Also available in sets: 500A29, 500AW29

Mechanic's Length | High Speed Steel

Black & Gold Fir For most materia		
Point type	Series	Catalog page reference
135° Split point with 3-flats	350N, 1045N	32-55

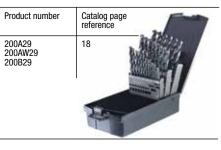


Also available in sets: 350N29, 350NW29



Ask your territory manager about our full lineup and full SKU listing.

General Purpose Drill Sets



TRILMPH

Jobber Drills | High Speed Steel

Black & Gold Finish Heavy-duty core guarantees increased strength and better resistance to breakage		
Point type	Series	Catalog page reference
135° Split point	T1HD, T2HD, T3HD, MM1HD,	8-13
THUNDERBIT	BP1HD	
323		

Also available in sets: 17HDDC, T17HD

S&D Drills | High Speed Steel

Black & Gold Finish Most materials		
Point type	Series	Catalog page reference
118° Split point 1/2"reduced shank with 3-flats	1000N	53-54
NITRO		

Also available in sets: 1000N8, 1000N5

Screw Machine | Cobalt

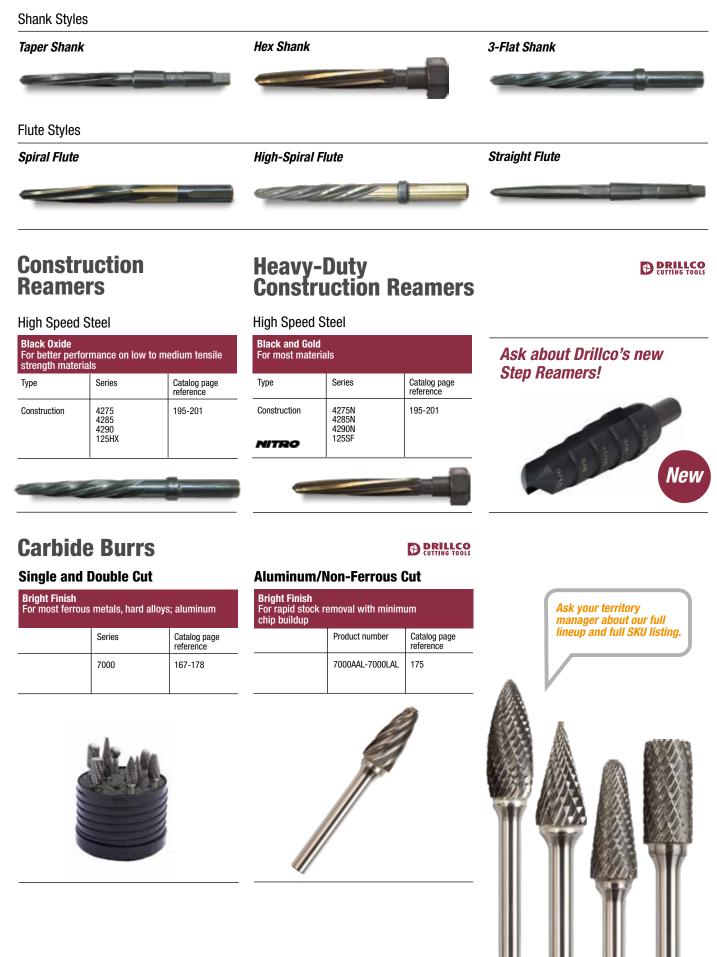
Bronze Treatment Stainless steel, titanium, high tensile steels and other hard materials		
Point type	Series	Catalog page reference
135° Split point	300C, 380C	38-39
	e l	

Also available in sets: 300C29

Construction Reamers

Reamers are available in car (shorter) and bridge (longer) length as:





General Purpose Taps

Hand Taps | Carbon Steel

Bright Finish For cleaning up threads or repairing damaged threads		
Туре	Series	Catalog page reference
Taper, plug, bottoming/through or blind hole	2000C	117-118

Spiral Point Taps | High Speed Steel

Bright Finish For low to medium tensile strength materials		
Туре	Series	Catalog page reference
Plug/Through hole	2100	128-129

Spiral Flute Taps | High Speed Steel

Bright Finish For low to medium tensile strength materials		
Туре	Series	Catalog page reference
Plug/Bottoming for blind hole	2000F	140



High Speed Steel

Bright Finish Low to medium tensile strength materials, and aluminum		
Туре	Series	Catalog page reference
Taper, plug, bottoming/through or blind hole	2000, 2800	108-109, 112-113



High Speed Steel

Black Oxide For better performance on low to medium tensile strength materials		
Туре	Series	Catalog page reference
Plug/Through hole	2100N	126-127

NITRO

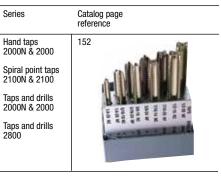
High Speed Steel

Black Oxide For better performance on low to medium tensile strength materials		
Туре	Series	Catalog page reference
Taper, plug, bottoming/through or blind hole	2000N	106-107

NITRO



General Purpose Taps Sets





High Speed Steel

Bright Finish For tougher applications, including stainless steel		
Туре	Series	Catalog page reference
Bottoming for blind hole	2000PF	138-139

NITRO



Production (CNC) Taps

Cobalt

Black Oxide or TiCN Coated For production tapping on CNC machines		
Туре	Series	Catalog page reference
Through or blind hole	2150N, 2250N, 2160N, 2260N, 2270N	124-125, 136-137, 140-141

RHTROALD



Pipe Taps

High Speed Steel

Bright Finish For long life on most materials		
Туре	Series	Catalog page reference
Through or blind hole	2900, 2900E, 2700E, 2930, 2950	143-147







DRILLCO CUTTING TOOLS

High Speed Steel Annular Cutters

High Speed Steel

Bright Finish For low to medium tensile strength materials		
	Series	Catalog page reference
1", 2", 3", and 4" Depth of Cut	9100SE, 9200SE, 9300SE, 9400SE	180-186



High Speed Steel + Aluminum (M2Al)

Bronze Treatment For most materials		
	Series	Catalog page reference
SST	05-A, 05-E	146-148

I) High Speed Steel + Aluminum (M2AI)

AICrN Coated For hard steel		
	Series	Catalog page reference
ICECUT	05-B, 05-F	147-149





WALTER

Heavy-Duty Annular Cutters

Cobalt

NITRO

Bronze Finish For long life on stainless steel, titanium, high tensile steel, other hard materials		
	Series	Catalog page reference
1", 2" and 3" Depth of Cut	9100N, 9200N, 9300N	180-186

Carbide (TCT)

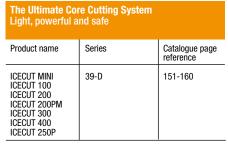
Bright Finish For high performance on cast iron, cast steel, other hard materials			
	Series	Catalog page reference	
CARBIDE CORECUT	05-D, 05-F, 05-H	148	

Check out Drillco's new TCT Hole Cutters



Magnetic Drilling Machines

WALTER



Features

- ACCUDRILL Visual Amp Meter
- Material and Thickness Detector
- Lightweight Units
- Quick Release Reversible Handle
- Mechanical Clutch
- Steel Sliding Guard
- Swivel Base (ICECUT 300 and 400)



Countersinks

General Purpose

High Speed Steel

Bright Finish For low to medium tensile strength materials		
Туре	Series	Catalog page reference
Single flute 3-flute 4-flute 6-flute	3600E 3700E 3800E 3900E	227-230

Heavy-Duty

High Speed Steel + Aluminum (M2Ai)







Dies

Cutting Lubricants

General Purpose High Speed Steel

Bright Finish Low to medium tensile strength materials, carbon steel		
Туре	Series	Catalog page reference
Adjustable round split dies, hexagon dies	3000DS, 3000E 3050E, 3100E 3300E, 3350E 3360E, 3380E	155-166

High Performance Lubricants

Series	Catalog page reference
53-A 53-B 53-C	189-191



End Mills

General Purpose

Bright Finish For low to medium tensile strength materials

Series

5075A, 5000A 5600A, 5400A 6150A, 5100A 5250A, 5350A 5650A,,6400A, 6420A

High Speed Steel

2 flute finishing Multi-flute finishing

Туре

Ball nose



Catalog page reference

211-215, 217-221, 224

Cobalt
Bright Finish For most materials

For most materia		
Туре	Series	Catalog page reference
2 flute finishing Multi-flute finishing Ball nose Roughing	6500A, 6900A 6700A, 6725A 6750A, 6950A 6650A, 7140	216, 222-223, 225-226

Heavy-Duty Solid Carbide

Bright Finish For steel, stainless steel, titanium, cast iron, brass, bronze		
Туре	Series	Catalog page reference
2 & 4 flute finishing Ball nose	7200, 7300 7250, 7350 7600, 7700 7650, 7750 7400, 7500	208-210







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