



PRODUCTIVITY TOOLING SOLUTIONS FOR THE METALWORKING INDUSTRY

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.

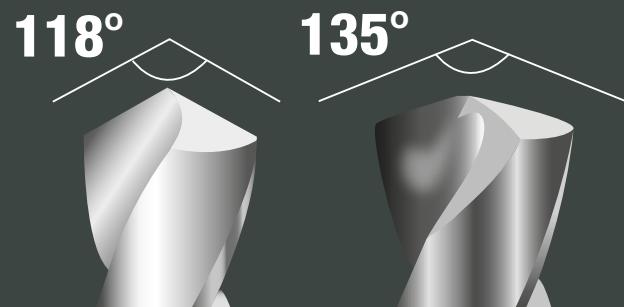
Cobalt (HSCo): This composition increases tool "hardness" and improved "wear resistance" making it a great option for drilling into harder steel as well as stainless steel grades.

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° Conventional Point: 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 "hand-drilling" on harder materials.



Drill Length

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.



Titanium Aluminum Nitride (TiAlN): Combines the ability to work in high temperatures with added hardness to increase drill life.



Titanium Carbonitride (TiCN): Coating increases cutting surface hardness, making the tool highly resistant to abrasive wear.

Our Brands

High Performance

Superior, durable, high-performance precision



Industrial

Versatile, adaptable, mid-range quality

Chicago-Latrobe

MRO

Reliable, affordable, budget-friendly solutions



General Purpose Drills

Jobber Drills | HSS

Bright Finish

For aluminum and other non-ferrous materials

Point type	Series	Brand
118° Conventional	200B, 240B, 280B Series	
118° Conventional	150D	Chicago-Latrobe



Also available in sets: 200B29

Jobber Drills | HSS

Black Oxide

For low to medium tensile strength materials

Point type	Series	Brand
118° Conventional	1899	
118° Conventional	200A, 240A, 280A	
118° Conventional	150	Chicago-Latrobe



Also available in sets: 200A29, 200AW29

S&D Drills | HSS

Black Oxide

For low to medium tensile strength materials

Point type	Series	Brand
118° Conventional	1813	
118° Conventional	190	Chicago-Latrobe
118° Split	190F	Chicago-Latrobe



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

S&D Drill | HSS

Black & Gold Finish

Most Materials

Point type	Series	Brand
118° Split	1877	



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



S&D Drills | HSS

Black & Gold Finish

For low to medium tensile strength materials

Point type	Series	Brand
135° Split	1000N	



S&D Drills | Cobalt

Bronze Surface Treatment

Stainless Steel, Titanium, high tensile strength steels and other materials

Point type	Series	Brand
118° Split	190C	Chicago-Latrobe



Heavy-Duty Drills

Jobber Drills | HSS

Black Oxide

For low to medium tensile strength materials

Point type	Series	Brand
135 Split	1801	 CLE-LINE
135 Split	400A	 DRILLCO
135 Split	150ASP	Chicago-Latrobe



Also available in sets: 400AW29, 400HD29

Jobber Drills | HSS

Black & Gold Finish

Most Materials

Point type	Series	Brand
135° Split	1878	 CLE-LINE
135° Split	400N	 DRILLCO



Also available in sets: 400N29, 400NW29

Jobber Drills | Cobalt

Bronze Surface Treatment

Stainless Steel. Titanium, high tensile strength steels & other materials

Point type	Series	Brand
135° Split	1802	 CLE-LINE
135° Split	500A	 DRILLCO
135° Split	550	Chicago-Latrobe



Also available in sets: 500A29 and 500AW29

Jobber Drills | Cobalt

TiN Finish

Ideal for hard metals, like stainless steel, cast iron, carbon steel

Point type	Series	Brand
135 Split	150ASP-TN	Chicago-Latrobe
135 Split	550-TN	Chicago-Latrobe



Mechanics Length | HSS

Black & Gold Finish

Most Materials

Point type	Series	Brand
135° Split	18575R	 CLE-LINE
135 Split, 3 flats	350N, 1045N	 DRILLCO



Also available in sets: 350N29, 350NW29

Screw Machine Length | HSS

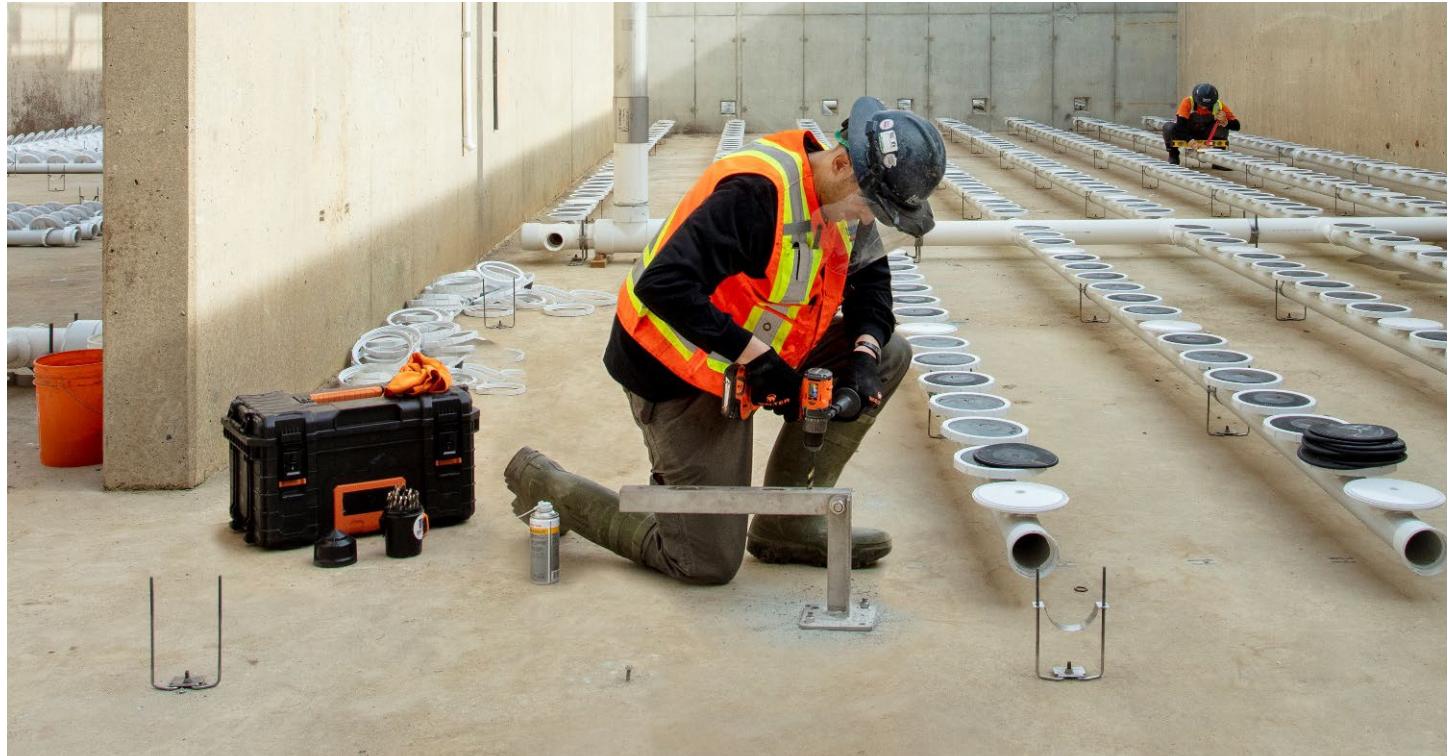
Black Oxide

For low to medium tensile strength materials

Point type	Series	Brand
135° Split	300A	 DRILLCO
135° Split	159	Chicago-Latrobe



Also available in sets: 300A29



Heavy-Duty Drills

Screw Machine Length | Cobalt

Bronze Surface Treatment

Stainless Steel. Titanium, high tensiles strength steels & other materials

Point type	Series	Brand
135° Conventional	2133	 CLEVELAND



Aircraft Extension | HSS

Black Oxide

For low to medium tensile strength materials

Point type	Series	Brand
135° Split point	1803	 CLE-LINE

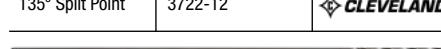


Aircraft Extension | Cobalt

Bronze Surface Treatment

Stainless Steel. Titanium, high tensiles strength steels & other materials

Point type	Series	Brand
135° Conventional	3722-6	 CLEVELAND
135° Split Point	3722-12	 CLEVELAND



NAS 907 Type B Drills

Aircraft Extension | HSS

Bright Finish

For aluminum and other non-ferrous materials

Point type	Series	Brand
135° Conventional	3957-6	 CLEVELAND
135° Split	3957-12	 CLEVELAND



NAS 907 Type D Drills

Short Flute Jobber Drill | HSS

Black Oxide

For low to medium tensile strength materials

Point type	Series	Brand
135° Split	3780	 CLEVELAND



NAS 907 Type J Drills

Jobber Drills | Cobalt

Bronze Surface Treatment

Stainless Steel. Titanium, high tensiles strength steels & other materials

Point type	Series	Brand
135° Split	2213	 Chicago-Latrobe



Wide Land Parabolic

Taper Length | Cobalt

Bronze Surface Treatment

Stainless Steel. Titanium, high tensiles strength steels & other materials

Point type	Series	Brand
135° Split	2575	 CLEVELAND



Taper Length | HSS

Bronze Surface Treatment

Stainless Steel. Titanium, high tensiles strength steels & other materials

Point type	Series	Brand
135° Split	2575-TN	 CLEVELAND



Jobber Drills | Cobalt

Bronze Surface Treatment

Stainless Steel. Titanium, high tensiles strength steels & other materials

Point type	Series	Brand
135° Split	2075	 CLEVELAND



Jobber Drills | Cobalt

TiAIN

Increased production at higher feeds and speeds as well as high heat applications

Point type	Series	Brand
135° Split	2075-TA	 CLEVELAND



Jobber | Cobalt

TiN

Provides greater wear resistance, thermal stability and better cutting performance on most materials.

Point type	Series	Brand
135° Split	2075-TN	 CLEVELAND



Screw Machine Length | Cobalt

Bronze Surface Treatment

Stainless Steel. Titanium, high tensiles strength steels & other materials

Point type	Series	Brand
135° Split	2175	 CLEVELAND



Screw Machine Length | HSS

TiAIN

Increased production at higher feeds and speeds as well as high heat applications

Point type	Series	Brand
135° Split	2175-TA	 CLEVELAND



Screw Machine Length | HSS

TiN

Provides greater wear resistance, thermal stability and better cutting performance on most materials.

Point type	Series	Brand
135° Split	2175-TN	 CLEVELAND



Construction Reamers



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

Shank Styles

Taper Shank



Hex Shank



3-Flat Shank



Flute Styles

Spiral Flute



High-Spiral Flute



Straight Flute



Construction Reamers

HSS

Black Oxide
For better performance on low to medium tensile strength materials

Type	Series	Brand
Construction	4275	
	4285	
	4290	
	125HX	



Heavy-Duty Construction Reamers

HSS

Black and Gold
For most materials

Type	Series	Brand
Construction	4275N	
	4285N	
	4290N	
	125SF	



HSS

Black and Gold
For most materials

Type	Series	Brand
Construction	2616	
	2618	
	2619	



Carbide Burrs

Single and Double Cut

Bright Finish
For most ferrous metals, hard alloys

	Series	Brand
	7000	



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

Aluminum/Non-Ferrous Cut

Bright Finish
For rapid stock removal with minimum chip buildup

	Product number	Brand
	7000AAL-7000LAL	



General Purpose Taps

Looking for carbon steel taps to rethread damaged or jammed threads, or to thread mild steels? Or spiral point taps for production tapping through holes? WALTER has it all. Engineered for maximum life, easy lubricity, and precise applications, explore our and taps selection.

Hand Taps | Carbon Steel

Bright Finish
For cleaning up threads or repairing damaged threads

Type	Series	Brand
Taper, plug, bottoming/through or blind hole	2000C	



Hand Taps | HSS

Bright Finish
Low to medium tensile strength materials, and aluminum

Type	Series	Brand
Taper, plug, bottoming/through or blind hole	2000,2800	
Taper, plug, bottoming/through or blind hole	HTGP	Chicago-Latrobe



Hand Taps | HSS

Black Oxide
For better performance on low to medium tensile strength materials

Type	Series	Brand
Taper, plug, bottoming/through or blind hole	2000N	

NITRO



Heavy-Duty Taps

Hand Taps | HSS

Bronze Surface Treatment
For long life on most materials

Type	Series	Brand
Taper, plug, bottoming / through or blind hole, SST	03A, 03B	

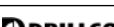


Machine Taps

Designed for machine tapping in a wide range of material groups, including difficult-to-machine materials such as stainless steel, with chip evacuation mechanisms, and thread forming options. Our machine taps come in all shapes, and sizes for maximum versatility.

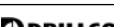
Spiral Point Taps | HSS

Bright Finish
For cleaning up threads or repairing damaged threads

Type	Series	Brand
Plug, Throughhole	2100	
Plug, Throughhole	SPGP	Chicago-Latrobe



Black Oxide
For better performance on low to medium tensile steel

Type	Series	Brand
Plug, Throughhole	2100N	



TiN
Provides greater wear resistance, thermal stability and better cutting performance on most materials.

Type	Series	Brand
Plug, Throughhole	SPGP-TN	Chicago-Latrobe



Spiral Flute Taps | HSS

Bright Finish
For cleaning up threads or repairing damaged threads

Type	Series	Brand
Plug, bottoming or blind hole	SFGP	Chicago-Latrobe



Power Taps | HSS

Bronze Surface Treatment
For long life on most materials using power tools

Type	Series	Brand
Plug, bottoming or blind hole, SST	03A, 03B	



Production (CNC) Taps

Black Oxide

For better performance on low to medium tensile steel

Type	Series	Brand
Spiral Point	PRO-961SP	 CLEVELAND
Spiral Flute	PRO-981SF	 CLEVELAND



TiAIN

Increased production at higher feeds and speeds as well as high heat applications

Type	Series	Brand
Spiral Point	PRO-861SP	 CLEVELAND
Spiral Flute	PRO-892SF	 CLEVELAND



Pipe Taps

If you are looking to cut new threads or repair damaged threads in pipe fittings, WALTER's NPT taps are the way to go. Tapered to provide a tight seal and designed to reduce chip loading in the flutes, they are available in HSS and carbon steel materials for maximum life and efficacy.

Pipe Taps | HSS

Black Oxide

For low to medium tensile strength materials

Point type	Series	Brand
Through or blind hole	PTT	Chicago-Latrobe
Through or blind hole	ELPTT	Chicago-Latrobe
Through or blind hole	PTTI	Chicago-Latrobe



TiN

For better performance on low to medium tensile steel

Type	Series	Brand
Through or blind hole	PTT-TN	Chicago-Latrobe



Dies

Adjustable round dies, hex threading dies, stock dies, and more, for all your bolt-threading and repair needs! You can count on WALTER's wide selection, offered in various sizes and applications, to be your one-stop shop.

General Purpose | HSS

Bright Finish

For aluminum and other non-ferrous materials

Series	Brand
0650	 CLE-LINE
0610	 CLE-LINE
377	Chicago-Latrobe



Bright Finish

For aluminum and other non-ferrous materials

Series	Brand
6382	Chicago-Latrobe



High Speed Steel Annular Cutters

WALTER Annular Cutters cut up to 10 times faster than twist drills with less power, making them an efficient tool for hole-making with magnetic drills. They also deliver a superior surface finish and a more accurate hole, without needing secondary operations like reaming.

HSS

Bright Finish For low to medium tensile strength materials		
	Series	Brand
1", 2", 3", and 4" Depth of Cut	9100SE, 9200SE, 9300SE, 9400SE	 DRILLCO



HSS + Aluminum (M2Al)

Bronze Surface Treatment For most materials		
	Series	Brand
SST	05-A, 05-E	 WALTER



HSS + Aluminum (M2Al)

AlCrN Coated For hard steel		
	Series	Brand
ICECUT	05-B, 05-F	 WALTER



Heavy-Duty Annular Cutters

Cobalt

Bronze Surface Treatment For long life on stainless steel, titanium, high tensile steel, other hard materials		
	Series	Brand
1", 2" and 3" Depth of Cut	9100N, 9200N, 9300N	 DRILLCO

NITRO



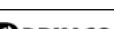
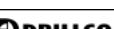
Carbide (TCT)

Bright Finish For high performance on cast iron, cast steel, other hard materials		
	Series	Brand
CARBIDE CORECUT	05-D, 05-F, 05-H	 WALTER



TCT Hole Cutters

Carbide (TCT)

Bright Finish For fast holemaking in handheld applications		
	Series	Brand
3/16" Depth of cut	9500CT	 DRILLCO
1" Depth of cut	9600CT	 DRILLCO



Magnetic Drilling Machines

The Ultimate Core Cutting System
Light, powerful and safe

Product name	Series	Catalogue page reference
ICECUT MINI	39-D	151-160
ICECUT 100		
ICECUT 200		
ICECUT 200PM		
ICECUT 300		
ICECUT 400		
ICECUT 250P		

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)



Cutting Lubricants

High Performance Lubricants

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



Countersinks

WALTER offers reliable and durable countersinks made with superior materials and guaranteed to deliver consistent results.

General Purpose | HSS

Bright Finish For aluminum and other non-ferrous materials		
Type	Series	Brand
Center Drill	998	 CLEVELAND



General Purpose | HSS

Black Oxide For low to medium tensile strength materials		
Type	Series	Brand
Single Flute	10003	 CLEVELAND
Three-Flute	10001	 CLEVELAND



Heavy Duty | HSS + Aluminum (M2Al)

AlCrN Coated For hard steel		
Type	Series	Brand
4-Flute	01U	 WALTER



End mills

Improve your milling operations with **WALTER** end mills, the versatile tool for milling, profiling, contouring, slotting, counterboring and more! With options made for different materials, applications and needs, our solid carbide and cobalt end mills are built to last, delivering superior results along the way.

Multi-Flute | HSS

Bright Finish For low to medium tensile strength materials		
Mill End Style	Series	Brand
Square	HG-4C	 CLEVELAND



Multi Flute | Cobalt

Bright Finish For low to medium tensile strength materials		
Mill End Style	Series	Brand
Square	HGC-4C	 CLEVELAND



Multi-Flute | Carbide

TiCN For at high temperatures on hard materials such as cast iron, high silicon aluminum alloys		
Mill End Style	Series	Brand
Square	CEM-V-4R-TA	 CLEVELAND
Square	CEM-V2-5R-TA	 CLEVELAND



Multi-Flute | Carbide

ZrN For machining of non-ferrous metals such as aluminum alloys, brasses, copper and titanium		
Mill End Style	Series	Brand
Square	CEM-AM3-ZN	 CLEVELAND



Multi-Flute | Carbide

TiAIN Increased production at higher feeds and speeds as well as high heat applications		
Mill End Style	Series	Brand
Square	CEM-SE-4	 CLEVELAND
Square	CEM-SE-4-TA	 CLEVELAND



WALTER Surface Technologies

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Texas

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Coppell, TX 75019

Customer service

Toll free: 1 800-522-0321
Fax orders: 1 866-274-4435
Email: orderdesk.us@walter.com

Technical/product support

Toll free: 1 866-592-5837

Drillco Cutting Tools

13011 S. Choctaw Dr.
Baton Rouge, LA 70815
Toll free: 800-851-3821
Toll free fax: 800-315-9225
orderdesk.us@walter.com

Greenfield Industries

2501 Davis Creek Road
Seneca, SC 29678
Toll free: 800-348-2885
Toll free fax: 800-892-4290
greenfield.information@gfii.com



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Chicago-Latrobe | CLE-LINE | CLEVELAND | DRILLCO | WALTER

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