



# PRODUCTIVITY TOOLING SOLUTIONS FOR THE METALWORKING INDUSTRY

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

# 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.

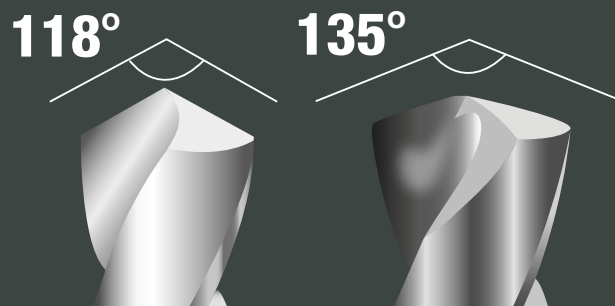
**Cobalt (HSCo):** This composition increases tool "hardness" and improved "wear resistance" making it a great option for drilling into harder steel as well as stainless steel grades.

**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.



# Our Brands

## High Performance

Superior, durable,  
high-performance precision

 **CLEVELAND**

 **WALTER**

## Industrial

Versatile, adaptable,  
mid-range quality

**Chicago-Latrobe**

## MRO

Reliable, affordable,  
budget-friendly solutions

 **CLE-LINE**


 **DRILLCO**

## 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	 <b>DRILLCO</b>
118° Conventional	150D	<b>Chicago-Latrobe</b>





Also available in sets: 200B29

### Jobber Drills | HSS

#### Black Oxide

For low to medium tensile strength materials

Point type	Series	Brand
118° Conventional	1899	 <b>CLE-LINE</b>
118° Conventional	200A, 240A, 280A	 <b>DRILLCO</b>
118° Conventional	150	<b>Chicago-Latrobe</b>



Also available in sets: 200A29, 200AW29




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



### S&D Drills | HSS

#### Black Oxide

For low to medium tensile strength  
materials

Point type	Series	Brand
118° Conventional	1813	 <b>CLE-LINE</b>
118° Conventional	190	<b>Chicago-Latrobe</b>
118° Split	190F	<b>Chicago-Latrobe</b>



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

### S&D Drill | HSS

#### Black & Gold Finish Most Materials

Point type	Series	Brand
118° Split	1877	 <b>CLE-LINE</b>



### S&D Drills | Cobalt

#### Bronze Surface Treatment

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


Point type	Series	Brand
118° Split	190C	<b>Chicago-Latrobe</b>



### S&D Drills | HSS

#### Black & Gold Finish

For low to medium tensile strength materials

Point type	Series	Brand
135° Split	1000N	 <b>DRILLCO</b>







# Heavy-Duty Drills

## Jobber Drills | HSS

**Black Oxide**  
For low to medium tensile strength materials



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



Also available in sets: 400AW29, 400HD29

## Jobber Drills | HSS

**Black & Gold Finish**  
Most Materials



Point type	Series	Brand
135° Split	1878	 <b>CLE-LINE</b>
135° Split	400N	 <b>DRILLCO</b>



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	 <b>CLE-LINE</b>
135° Split	500A	 <b>DRILLCO</b>
135° Split	550	<b>Chicago-Latrobe</b>



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	<b>Chicago-Latrobe</b>
135 Split	550-TN	<b>Chicago-Latrobe</b>



## Mechanics Length | HSS

**Black & Gold Finish**  
Most Materials


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



Also available in sets: 350N29, 350NW29

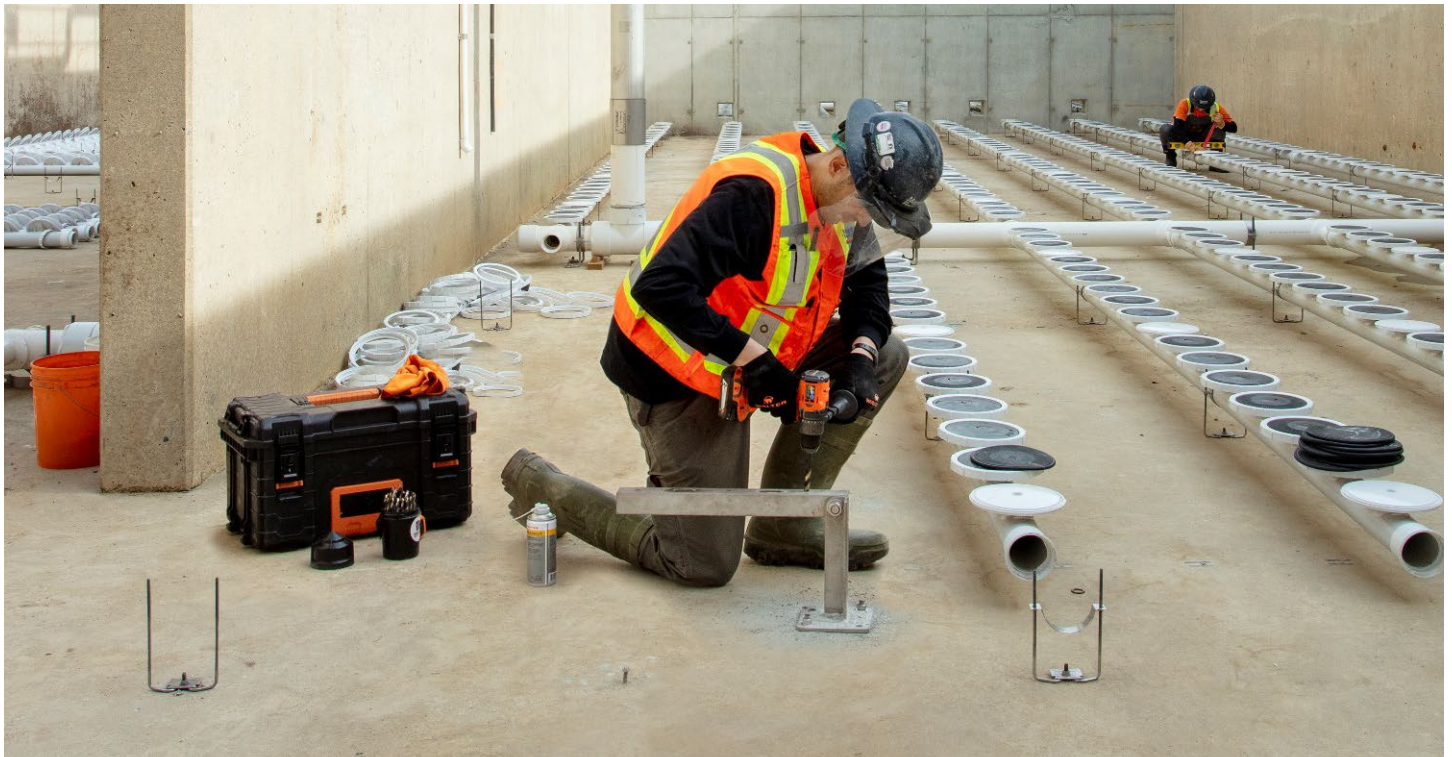
## Screw Machine Length | HSS

**Black Oxide**  
For low to medium tensile strength materials

Point type	Series	Brand
135° Split	300A	 <b>DRILLCO</b>
135° Split	159	<b>Chicago-Latrobe</b>




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	 <b>CLEVELAND</b>



## Aircraft Extension | HSS



**Black Oxide**  
For low to medium tensile strength materials

Point type	Series	Brand
135° Split point	1803	 <b>CLE-LINE</b>



## Aircraft Extension | Cobalt

**Bronze Surface Treatment**  
Stainless Steel, Titanium, high tensiles strength steels & other materials



Point type	Series	Brand
135° Conventional	3722-6	 <b>CLEVELAND</b>
135° Split Point	3722-12	 <b>CLEVELAND</b>



## 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	 <b>CLEVELAND</b>
135° Split	3957-12	 <b>CLEVELAND</b>



## 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	 <b>CLEVELAND</b>



## 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	<b>Chicago-Latrobe</b>



## 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	 <b>CLEVELAND</b>



### Taper Length | HSS


**Bronze Surface Treatment**  
Stainless Steel, Titanium, high tensiles strength steels & other materials

Point type	Series	Brand
135° Split	2575-TN	 <b>CLEVELAND</b>



### Jobber Drills | Cobalt


**Bronze Surface Treatment**  
Stainless Steel, Titanium, high tensiles strength steels & other materials

Point type	Series	Brand
135° Split	2075	 <b>CLEVELAND</b>



### Jobber Drills | Cobalt


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

Point type	Series	Brand
135° Split	2075-TA	 <b>CLEVELAND</b>



### Jobber | Cobalt


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

Point type	Series	Brand
135° Split	2075-TN	 <b>CLEVELAND</b>



### Screw Machine Length | Cobalt


**Bronze Surface Treatment**  
Stainless Steel, Titanium, high tensiles strength steels & other materials

Point type	Series	Brand
135° Split	2175	 <b>CLEVELAND</b>



### Screw Machine Length | HSS


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

Point type	Series	Brand
135° Split	2175-TA	 <b>CLEVELAND</b>



### 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	 <b>CLEVELAND</b>



# 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	
	<b>NITRO</b>	



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	



**Aluminum/Non-Ferrous Cut**

**Bright Finish**  
For rapid stock removal with minimum chip buildup

Product number	Brand
7000AAL-7000LAL	



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






# 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	 <b>DRILLCO</b>



## 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	 <b>DRILLCO</b>
Taper, plug, bottoming/through or blind hole	HTGP	<b>Chicago-Latrobe</b>



## 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	 <b>DRILLCO</b>


**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	 <b>WALTER</b>




# 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	 <b>DRILLCO</b>
Plug, Throughhole	SPGP	<b>Chicago-Latrobe</b>



**Black Oxide**  
For better performance on low to medium tensile steel

Type	Series	Brand
Plug, Throughhole	2100N	 <b>DRILLCO</b>



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

Type	Series	Brand
Plug, Throughhole	SPGP-TN	<b>Chicago-Latrobe</b>



## Spiral Flute Taps | HSS


**Bright Finish**  
For cleaning up threads or repairing damaged threads

Type	Series	Brand
Plug, bottoming or blind hole	SFGP	<b>Chicago-Latrobe</b>



## 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	 <b>WALTER</b>



## Production (CNC) Taps

### Black Oxide



For better performance on low to medium tensile steel

Type	Series	Brand
Spiral Point	PRO-961SP	 <b>CLEVELAND</b>
Spiral Flute	PRO-981SF	 <b>CLEVELAND</b>



### TiAIN

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

Type	Series	Brand
Spiral Point	PRO-861SP	 <b>CLEVELAND</b>
Spiral Flute	PRO-892SF	 <b>CLEVELAND</b>



## 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	<b>Chicago-Latrobe</b>
Through or blind hole	ELPTT	<b>Chicago-Latrobe</b>
Through or blind hole	PTTI	<b>Chicago-Latrobe</b>



#### TIN

For better performance on low to medium tensile steel

Type	Series	Brand
Through or blind hole	PTT-TN	<b>Chicago-Latrobe</b>



## 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	 <b>CLE-LINE</b>
0610	 <b>CLE-LINE</b>
377	<b>Chicago-Latrobe</b>



#### Bright Finish

For aluminum and other non-ferrous materials

Series	Brand
6382	<b>Chicago-Latrobe</b>






# 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	 <b>DRILLCO</b>




## HSS + Aluminum (M2Al)

Bronze Surface Treatment For most materials		
	Series	Brand
SST	05-A, 05-E	 <b>WALTER</b>




## HSS + Aluminum (M2Al)

AlCrN Coated For hard steel		
	Series	Brand
ICECUT	05-B, 05-F	 <b>WALTER</b>



# 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	 <b>DRILLCO</b>

**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	 <b>WALTER</b>



# TCT Hole Cutters

## Carbide (TCT)

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



# Magnetic Drilling Machines

The Ultimate Core Cutting System  
Light, powerful and safe

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

## 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 53-B 53-C	189-191



# 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	 <b>CLEVELAND</b>




## General Purpose | HSS

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



## Heavy Duty | HSS + Aluminum (M2Al)


AlCrN Coated For hard steel		
Type	Series	Brand
4-Flute	01U	 <b>WALTER</b>



# 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	 <b>CLEVELAND</b>





## Multi Flute | Cobalt

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




## 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	 <b>CLEVELAND</b>
Square	CEM-V2-5R-TA	 <b>CLEVELAND</b>





## 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	 <b>CLEVELAND</b>



## Multi-Flute | Carbide

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





## WALTER Surface Technologies

### Connecticut

810 Day Hill Road  
Windsor, CT 06095  
Phone: 1 860-298-1100  
Email: [info.us@walter.com](mailto:info.us@walter.com)

### Texas

710 Gateway Blvd.  
Suite 110  
Coppell, TX 75019

### Customer service

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

### Greenfield Industries

2501 Davis Creek Road  
Seneca, SC 29678  
Toll free: 800-348-2885  
Toll free fax: 800-892-4290  
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