

# Lubricants

*Coolant extends the life of cutting tools*

**ProLube™** *Ideal for cutting steel, stainless steel and hard metals*



Your cutting tools will work cooler, longer and more efficiently with ProLube™ Lubricants from CS Unitec.

- Prolong tool life by reducing friction and wear
- Unique composition provides excellent adhesion to cutting tools for maximum lubrication
- Corrosion inhibitor
- Non-toxic

**ProLube Paste**  
**CS 7030-712**  
**12 oz. tub**

**ProLube Liquid**  
**Water soluble 16:1**  
**CS 7010-504 - 1 gal. bottle**

*Upgrade your drill's cooling system: see page 44 for arbors with automatic cooling.*

## Cutting Oil

- High-performance, biodegradable, non-hazardous oils and pastes
- Oils for heavy removal of metal, including stainless steel
- Chlorine-free (MSDS on bottle/tub)
- Not necessary to dilute with water

**Cutting Oil:**  
 Part No. **ZHS 006** (quart)  
 Part No. **ZHS 005** (gallon)



## Pressurized Coolant Bottle

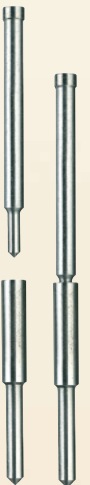
Use with any automatic internal lubrication system.  
 Part No. **9 4002 0020**

## Pilot Pins for Cutters

- Milled channel efficiently supplies internal lubrication to cutting teeth
- Available for cutter diameters ranging from 7/16" to 5 1/8" and 1", 2", 3" and 4" depth of cut
- See price list for part numbers



*Shown at right:  
 2-piece pin for  
 3" and 4" depth  
 cutters with  
 8mm pilot hole  
 (Part No. 7-3-402).*

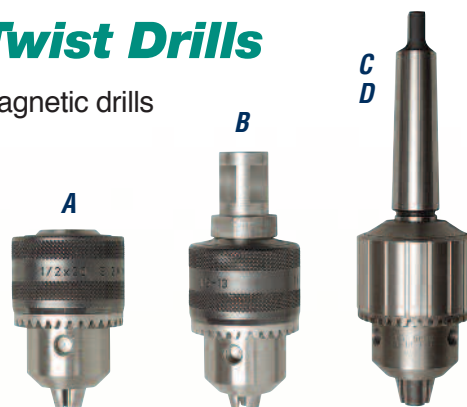


# Accessories

## Drill Chucks for Straight Shank Twist Drills

• Two capacities: 1/2" and 3/4"; four chucks and adapters to fit all magnetic drills

- A) **IBC 17** – 1/2" chuck for MAB 425 and CSU 32 series
- B) **IBC 18** – 1/2" chuck with 3/4" shank for MABasic 200, MABasic 400, MAB 3000 and AIRBOR™ (fits all drills with 3/4" arbor bore)
- C) **IBC 21** – 3/4" chuck with MT3 shank for MAB 825, MAB 845, CSU 80AC and CSU 100/3RL
- D) **IBC 22** – 3/4" chuck with MT2 shank for MABasic 450, MAB 455, MAB 485, MAB 525 and CSU 50 series



## Quick-change Tapping Tools, Collets and Chucks



### Tap Collets and Reducing Adapters

**Tap Collets** with 3/4" or 1-1/4" Weldon shank  
*all threads shown are ASA Standard (or DIN 376 for metric)*

Thread	Order No.	Thread	Order No.
1/4	<b>ZGA 1/4</b>	9/16	<b>ZGA 9/16</b>
5/16	<b>ZGA 5/16</b>	5/8	<b>ZGA 5/8</b>
3/8	<b>ZGA 3/8</b>	11/16	<b>ZGA 11/16</b>
7/16	<b>ZGA 7/16</b>	3/4	<b>ZGA 3/4</b>
1/2	<b>ZGA 1/2</b>		

**Bushing** – Reduces 1-1/4" Weldon shank to 3/4" Weldon shank  
Order No. **ZAP 200**

**Reducing Sleeve**  
DIN 2185  
Order No. **ZRH 430** for MT 4:3  
(adapts MT4 to MT3)



Tap up to 1-5/8" max. dia.



See page 26 for additional tapping accessories.



Part No. **GSW-830C** tapping chuck includes two variable clamp collets to tap 3/8" to 1 1/8". It is the least expensive system if you will tap more than 4 sizes. **GSW-830C** has an MT3 connection. For use with all MT3 drills.

Variable clamp collets for use in tap chuck No. **GSW-830**:  
Part No. **GST-160** variable clamp collet for shanks 3/8" – 5/8".  
Part No. **GST-230** variable clamp collet for shanks 5/8" – 7/8".

Part No. **GSW-444** quick-change tapping chuck with MT4 connection (for MAB 1300). Collets not included.

- GSS-420** collet for 20mm shanks
- GSS-422** collet for 22mm shanks
- GSS-427** collet for 27mm shanks
- GSS-433** collet for 33mm shanks
- GSS-442** collet for 42mm shanks



# Accessories

## Arbors for Annular Cutters

- Use on any magnetic drill stand, drill press or shop equipment with a Morse Taper intake of No. 2, 3 or 4
- Available for Annular Cutter shank sizes of 3/4" or 1 1/4" Weldon
- Available for automatic internal cooling or manual cooling



### Manual Cooling

- ZIA 219M** – Morse Taper No. 2  
3/4" arbor bore
- ZIA 319M** – Morse Taper No. 3  
3/4" arbor bore
- ZIA 30/75** – Morse Taper No. 3  
3/4" arbor bore, 3" depth
- ZIA 419M** – Morse Taper No. 4  
3/4" arbor bore
- ZIA 432KMN** – Morse Taper No. 4  
1 1/4" arbor bore



### Automatic Cooling

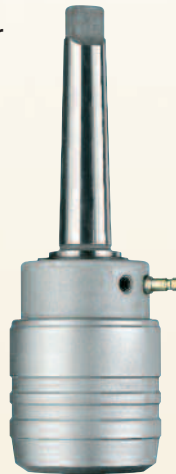
- ZIA 219KN** – Morse Taper No. 2  
3/4" arbor bore
- ZIA 319KN** – Morse Taper No. 3  
3/4" arbor bore
- ZIA 30/32** – Morse Taper No. 3  
1 1/4" arbor bore

## Quick-lock Arbor with Automatic Internal Cooling

- Keyless for fast, no-tools changeover for 3/4" dia. shank annular cutters
- Automatic internal cooling
- Turn, click... go!

**ZSS 200** – Morse Taper No. 2 for 3/4" dia. shank annular cutters

**ZSS 300** – Morse Taper No. 3 for 3/4" dia. shank annular cutters



**turn,  
click...**



**Keyless,  
quick-change  
system for annular  
cutters saves time  
and money.**

**Just twist and lock!**



## Power Assist



The Power Assist is a standard capstan, designed with delayed torque transfer. This decreases the load on both cutter and drilling machine, allowing the machine to maintain max. RPM under full load.

- Reduces drilling time
- Prevents cutter breakage
- Extends lifespan of cutter/drill bit and machine

- ZPA 401** – Power Assist for CSU 32 and CSU 50 series
- ZPA 402** – Power Assist for CSU 80 and CSU 100/3 series



**Power Assist Capstan**

# Accessories

## Extensions for Annular Cutters

*Extra-long holders extend stroke of drills*



- Extend cutter reach up to 18"
- Available for magnetic drills with 3/4" arbor bore or MT3
- Also available with 3 flats for straight shank drill chucks and R8 shanks for drill presses
- Drill difficult-to-reach areas
- Extend cutter reach over the side or through an existing hole\*

- 7-9-902** – 2" extension
- 7-9-903** – 3" extension
- 7-9-906** – 6" extension
- 7-9-912** – 12" extension
- 7-9-918** – 18" extension

\* Hole diameter must be larger than 1 5/16" to accommodate width of extension



**We also offer extensions with the following connections:**

**3 Flats for Geared Chucks x 3/4" arbor**



- 7-9-100** – 2-1/8" length, 1/2" shank
- 7-9-200** – 2" length, 3/4" shank

**R8**



- 7-9-500** – R8, 1-3/4" length; 3/4" arbor bore
- 7-9-506** – R8, 6" length; 3/4" arbor bore
- 7-9-70C** – R8, 2-3/4" length; 1-1/4" arbor bore

## 2-in-1 Drill/Taps *Drill and tap with one tool*

National Coarse Threads (UNC) – sizes available:

- CS500** – 1/2" x 13 UNC
- CS625** – 5/8" x 11 UNC
- CS750** – 3/4" x 10 UNC
- CS875** – 7/8" x 9 UNC
- CS1000** – 1" x 8 UNC
- CSDT-UNCKIT** – 1/2", 5/8", 3/4" & 1" drill/taps



## 82° and 90° Countersinks

- Manufactured of HSS with 5% cobalt
- 3/4" Weldon shank

Countersink hole sizes:

- CTS 30** from 5/8" to 2" / 82°
- CTS 50** from 5/8" to 2 1/8" / 90°



## Detachable Chip Guard

*Protects against flying chips when drilling*

**ZSS 050** – for MAB 150, MAB 425, MAB 485 and MAB 525

# Accessories

## Starter Kits

CS Unitec starter kits offer the essentials you need to begin drilling. We have two options that provide a cost-effective tool set for your application.



### HSS Steel Cutter Starter Kit

**ZST 100S** Kit Includes:

Set of 5 annular cutters (one each of the following):

- 9/16" dia. x 1" depth (6-1-118)
- 11/16" dia. x 1" depth (6-1-122)
- 13/16" dia. x 1" depth (6-1-126)
- 15/16" dia. x 1" depth (6-1-130)
- 1-1/16" dia. x 1" depth (6-1-134)

2 pilot pins • 1 cutter storage box • 1 Power Worker magnetic stick (POW 100)  
1 quart high-performance cutting oil (ZHS 006)

*See pages 34-35 for more information on HSS annular cutters.*



### Armor-Plated TiAlN Cutter Starter Kit

**ZST 100P** Kit Includes:

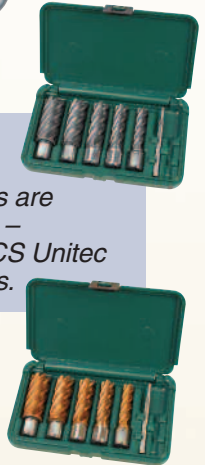
Set of 5 annular cutters (one each of the following):

- 9/16" dia. x 1" depth (8-1-118)
- 11/16" dia. x 1" depth (8-1-122)
- 13/16" dia. x 1" depth (8-1-126)
- 15/16" dia. x 1" depth (8-1-130)
- 1-1/16" dia. x 1" depth (8-1-134)

2 pilot pins • 1 cutter storage box • 1 Power Worker magnetic stick (POW 100)  
1 quart high-performance cutting oil (ZHS 006)

*See pages 36-37 for more information on Armor-Plated TiAlN annular cutters.*

*Other annular cutter kits are available – contact CS Unitec for details.*



## Power Worker – simple cleanup of steel chips

### Rare earth magnet cleans metal parts and shavings



POW 100



- Easily clean up sharp-edged drill chips, screws and other metal parts
- Items are safely ejected off of Power Worker without hand contact
- Ideal for hard-to-reach spaces