

# Accessories

## Starter Kits

CS Unitec starter kits offer the essentials you need to begin drilling. We have three 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 56-57 for more information on HSS annular cutters.*



### Armor-Plated TiAlN Carbide-Coated 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 58-59 for more information on Armor-Plated TiAlN Carbide-Coated annular cutters.*

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



### HSS Steel Cutter Starter Kit with Power Cleaner

**ZST 200S** 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 Cleaner (POW 200)  
1 quart high-performance cutting oil (ZHS 006)

*See pages 56-57 for more information on HSS annular cutters.*



See page 70 for more information on the Power Cleaner (POW 200) and Power Worker magnetic stick (POW 100)



# Accessories

## Coolants and Cutting Pastes

*Coolant extends the life of cutting tools – Ideal for cutting steel, stainless steel and hard metals*

### ProLube™

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



**Water soluble  
16:1**

**ProLube™**

**Paste** (12 oz. tub) – Part No. **CS 7030-712**

**Liquid** (1 gallon) – Part No. **CS 7010-504**



- High-performance
- Liquid coolant is concentrated for dilution with water
- Eco-friendly

**Paste** (tube) – Part No. **ZHS 570**

**Paste** (12-pack tubes) – Part No. **ZHS 572**

**Paste** (2.2 lb. tub) – Part No. **ZHS 550**

**Liquid** (1 quart) – Part No. **ZHB 001**

*Upgrade your drill's cooling system: see page 67 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 N**

## 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 up to 8" 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

## 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



### 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
- ZIA 432 KN** – Morse Taper No. 4  
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!**



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



# 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

**7-9-1146** – 6" extension,  
 1-1/4" male x 1-1/4"  
 female shank

\* 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  
**7-9-700** – 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** – MAB 485 and MAB 525

**ZSS 500** – MAB 825 and MAB 845

## Quick-Change Tapping Chucks

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.830C**:

Part No. **GST-160** for shanks 3/8" – 5/8".

Part No. **GST-230** for shanks 5/8" – 7/8".



**GSW 444  
 Quick-  
 Change  
 Chuck**

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

Order Number	Tap Collet	Shank Diameter	Square Drive
<b>GSS.420</b>	20mm	16mm	12mm
<b>GSS.422</b>	22mm	18mm	14.5mm
<b>GSS.427</b>	27mm	20mm	16mm
<b>GSS.433</b>	33mm	32mm	20mm
<b>GSS.442</b>	42mm	32mm	24mm



**GSS-4xx  
 Collet**

# Clamping Devices

## MobilCLAMP

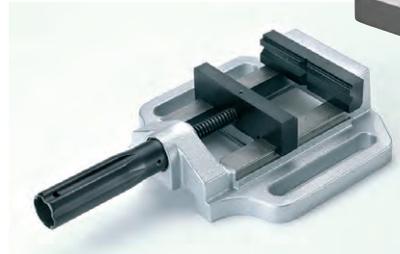
**A true advance in magnetic drilling technology: MobilCLAMP converts a magnetic drilling machine into a portable drill press.**

MobilCLAMP extends the functionality of your portable magnetic drill - converting it to a drill press that can be easily transported to the jobsite. This unit makes it possible to drill, countersink, ream or tap small parts in any location with a flat surface.

The magnetic drill can be mounted onto the MobilCLAMP with only the power of the machine's magnet - no screws, clamps or other connections between the drill and the base. The magnetic drill becomes a multi-purpose machine for applications involving an annular cutter, twist drill, tap, countersink or reamer.



Drill not included.



MobilCLAMP	
Order No.	ZMC 200 N
Jaw Width	4" (100mm)
Clamping Range	4" (100mm)

ZMC 200 N includes ZMC 200 base, ZST 300 vise, (2 qty.) ZTN 100 screw and (2 qty.) ZSN 100 hexagon nut with collar

## Drilling stand and vise for hand drills



Drill not included.

- Industrial drilling pillars for commercial hand drills with 43mm chuck journal diameter.
- Optimum stability by cast base plate combined with a pillar top of the MAB series.
- Versatile usability by a drill vise with 4" (100mm) jaw width (special accessories).
- Screws for slots are available for additional security under higher loads (special accessories).
- Working stroke of 9" - 17" (230 - 425mm).

### Magnetic Drilling Pillar

Order No. **MBS 300**

For hand drills with a 1-11/16" collar diameter and 7" stroke.



Drill not included.



### Vise

Order No. **ZST 300**  
 jaw width: 4" (100mm)  
 clamping range: 4" (100mm)

### Drilling Pillar

Order No. **ZBS 100**



### Accessories

- Screws for T-Slots – Order No. **ZTN 100**
- Hexagon Nut with Collar – Order No. **ZSM 100**

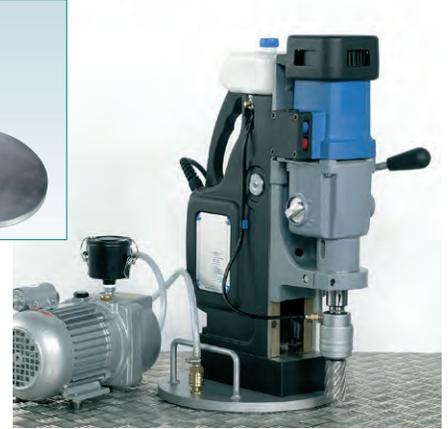
# Vacuum Plates

*For applications where drill alone will not adhere to surface*

## Vacuum Plate for Channeled Plates

Order No. **ZAV 301** (vacuum plate only)  
Order No. **ZAV 310** (vacuum plate and vacuum pump, 110V)

Ideal for channeled plates. High-performance vacuum pump with circular oil lubrication. Clamping plate diameter: 11.8"



## Vacuum Plate for Smooth Surfaces

Order No. **ZAV 401** (vacuum plate only)  
Order No. **ZAV 410** (vacuum plate and vacuum pump, 110V)

Ideal for smooth surfaces. High-performance vacuum pump with circular oil lubrication. Clamping plates with two suction surfaces and cut-through drilling area.



## Metal Chip Cleanup Tools

- Easily clean up sharp-edged drill chips, screws and other metal parts
- Ideal for hard-to-reach spaces

### Power Cleaner – POW 200

*Two-in-one tool for removing chips*



- Hook pulls away metal swarf from drill
- Brush cleans fine chips



### Power Worker – POW 100

*Simple cleanup of metal chips*

- Items are safely ejected off of Power Worker without hand contact
- Rare earth magnet cleans metal parts and shavings



# Pipe Saddle Clamp System

*Ensures safe, secure drilling of pipes and tubular material*



Ideal for applications requiring the flexibility of clamping on pipes from 3-1/4" to 20" diameter. These pipe clamp systems are flexible and easy to use. Swivelling V-blocks fit the contour of the pipe while the heavy-duty tension chains securely affix the clamps to the piece being drilled. The drilling position can be easily and safely adjusted.



**ZRO 250 Pipe Saddle Clamp System**

Pipe diameters 3<sup>1</sup>/<sub>4</sub>" - 10"

Chain length: 35<sup>1</sup>/<sub>2</sub>"

*If using on pipe larger than 10", need 1 qty. ZRO 001 extension chains.*

For models: MABasic 200, MABasic 400, MABasic 450, MAB 455, MAB 465, MAB 485 and CSU 32RL



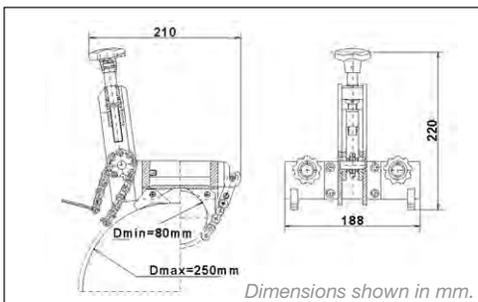
**ZRO 500 Pipe Saddle Clamp System**

Pipe diameters 6" - 20" (extension chain available)

Chain length: 65"

*If using on pipe larger than 20", need 2 qty. ZRO 001 extension chains.*

For models: MABasic 850, MAB 525, MAB 825, MAB 845, CSU 50 Series, CSU 100/3RL, AB-4300-2 and HB 4400



Order No. **ZRO 001** extension chain for ZRO 250 and ZRO 500 pipe saddle clamps. 35" length.

