

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



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

## Cutting Oil



[Part No. IBO.20Q (quart); IBO.20G (gallon)]

- High-alloy cutting oil for heavy removal of metal, including stainless steel
- Chlorine-free (MSDS on bottle)
- Not necessary to dilute with water

**Upgrade your drill's cooling system: see page 25 for arbors with automatic cooling.**



## 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
- Extends life of machine



Power Assist Capstan

- 030E.0048 – Included with ECO-30
- 020.0330 – Power Assist for ECO-32 and ECO-50 machines
- 020.0336 – Power Assist for ECO-80, ECO-100 and ECO-130 machines
- 020.0063 – Power Assist with wrench mechanism for ECO-32 and ECO-50 machines
- 020.0064 – Power Assist with wrench mechanism for ECO-80, ECO-100 and ECO-130 machines



Power Assist Wrench Mechanism

# Accessories



## Pilot Pins for Cutters

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

## Drill Chucks for Straight Shank Twist Drills

- Two capacities:  $\frac{1}{2}$ " and  $\frac{3}{4}$ "
- Four chucks and adapters to fit all magnetic drills:
  - A) **IBK-17** –  $\frac{1}{2}$ " chuck for ECO-32 and ECO-32T
  - B) **IBK-18** –  $\frac{1}{2}$ " chuck with  $\frac{3}{4}$ " shank for AIRBOR™ and HB-4400 (fits all drills with  $\frac{3}{4}$ " arbor bore)
  - C) **IBK-21** –  $\frac{3}{4}$ " chuck with MT3 shank for ECO-80AK and ECO-100/3AK
  - D) **IBK-22** –  $\frac{3}{4}$ " chuck with MT2 shank for ECO-50 and ECO-50T



## Tapping Tools, Tap Collets and Tapping Chucks



- Manufactured from high-quality HSS to ASA Standard (or DIN 376 for metric)
- Ideal for CS Unitec's portable drilling and tapping machines and other drills

*Tap collets fit magnetic drills with  $\frac{3}{4}$ " arbor bore. They are available for taps  $\frac{1}{4}$ " through  $\frac{3}{4}$ ". They hold standard USA taps conforming to ASA.*



*Model No. **GSW.222** quick-change tapping chuck with MT2 connection, complete with flexible collet to tap  $\frac{5}{16}$ " to  $\frac{5}{8}$ ". For use with ECO-50T magnetic drill.*

*Model No. **GSW.830** tapping chuck utilizes two variable clamp collets to tap  $\frac{3}{8}$ " to  $1 \frac{1}{8}$ ". It is the least expensive system if you will tap more than 4 sizes. **GSW.830** has an MT3 connection. For use with ECO-100 magnetic drill.*



*Variable clamp collets for use in tap chuck No. **GSW.830***

*Model No. **VSP.160** variable clamp collet fits shanks  $\frac{3}{8}$ " –  $\frac{5}{8}$ ".*

*Model No. **VSP.230** variable clamp collet fits shanks  $\frac{5}{8}$ " –  $\frac{7}{8}$ ".*



# Accessories

## Arbors for Annular Cutters



Manual Cooling



Automatic Cooling



Extended Length



Keyless Arbor with Automatic Cooling

Keyless cutter arbors allow fast, no-tools changeover for 3/4" dia. shank annular cutters.

IMC.2Q – Morse Taper No. 2

IMC.3Q – Morse Taper No. 3

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

**MC.2** – Morse Taper No. 2  
3/4" arbor bore  
manual cooling

**IMC.20** – Morse Taper No. 2  
3/4" arbor bore  
automatic cooling

**MC.3** – Morse Taper No. 3  
3/4" arbor bore  
manual cooling

**IMC.30** – Morse Taper No. 3  
3/4" arbor bore  
automatic cooling

**MC.4** – Morse Taper No. 4  
3/4" arbor bore  
manual cooling

**IMC.30/32** – Morse Taper No. 3  
1 1/4" arbor bore  
automatic cooling

### 2-in-1 Drill/Taps

- Drill and tap with one tool



#### Sizes available:

CS500 – 1/2" UNC

CS625 – 5/8" UNC

CS750 – 3/4" UNC

CS875 – 7/8" UNC

CS1000 – 1" UNC

CSDT-UNCKIT – 1/2", 5/8", 3/4" and 1" UNC

### 82° and 90° Countersinks

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

#### Countersink hole sizes:

SCE 20 from 3/8" to 1 1/2" / 82°

SCE 30 from 5/8" to 2" / 82°

SCE 40 from 3/8" to 1 1/2" / 90°

SCE 50 from 5/8" to 2 1/8" / 90°



## Cooling System

The cooling system on all our drills has been upgraded for easier use. The coolant reservoir is quickly and easily attached to the magnetic drill via a new magnet system. The coolant flow is measurable and easily monitored through a clear cylinder.

The hose connecting the reservoir to the spindle has also been upgraded. It is now equipped with a wear-resistant mechanical locking system that securely fastens the hose to the arbor.



# Accessories

## Extensions for Annular Cutters Extra-long holders extend stroke of drills



3/4" Weldon Shank  
(2 Flats)

6" length (p/n 7-9-906)  
12" length (p/n 7-9-912)



- Drill difficult-to-reach areas
- Extend cutter reach over the side or through an existing hole\*

3 Flats

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



R8



3 Flats for Geared Chucks x 3/4" arbor



MT2 or MT3 x 3/4" arbor

## Pipe Clamp Saddle System

Ensures safe, secure drilling of pipes and tubular material



Ideal for a wide variety of pneumatic, hydraulic or electric drills

- Quick clamping feature for fast setup on pipes up to 20" dia. and larger
- For use on steel, stainless steel and other materials
- Chain tensioner secures saddle to pipe in any position, while four independent steel feet automatically adjust to pipe contour
- Larger sizes available with optional extension chain\*

	Model PAK-100	Model PAK-200
	For models ECO-30/3P, ECO-32, ECO-32T and MDM-40	For models AB-4300-2, ECO-50, ECO-80, ECO-100/3, ECO-40 AUTO and HB-4400
Pipe OD	3 1/4" to 10" dia.	6" to 20" dia.
Maximum Magnet Dimensions	6 5/8" L x 3 5/16" W	9" L x 4 3/8" W
Weight	14 lbs.	23 lbs.

\* For larger pipe sizes, order 39" extension chain, Part No. PAK-CHAIN