

# Wallover

## Cutting Oils

- PROCUT SS** A heavy-duty amber colored cutting oil. Contains inactive sulfur, chlorine, wetting and anti-weld agents. It has low misting properties, an effective defoamer package, and contains no active sulfur so it is safely used on copper and copper alloys. Especially good on stainless steels.
- PROCUT SSA** A heavy-duty light colored cutting oil containing active sulfur, chlorine, wetting and anti-weld agents. It has low misting properties, an effective defoamer package, and contains active sulfur so it is not designed to be used on copper and copper alloys. It is designed for the most demanding metal removal applications and is particularly well suited for stainless steels.
- PROCUT AL** A light colored cutting oil containing anti-mist, antioxidant, and antifoam additives. Its light viscosity permits fast wetting for excellent lubrication between the workpiece and the cutting tool, while reducing carry-off, resulting in superior cutting performance and lower oil consumption. Especially formulated for aluminum and aluminum alloys.
- WC 75** A light colored, low viscosity cutting oil containing active sulfur, chlorine, and a synergized fatty additive that has proven itself superior to previous fatty oil technology. The combination of its additive package and low viscosity provides excellent extreme pressure properties, especially in deep drilling, gun drilling, and trepanning applications.
- WOCOCUT SM 150** A dual purpose oil for automatic screw machines providing good cutting properties and excellent internal machine lubrication. In addition to wetting and anti-weld agents, it contains a complete additive package to provide anti-wear, oxidation stability, anti-rust, demulsibility, antifoam, and high temperature hydrolytic stability. It is safe on all ferrous and non-ferrous metals.
- WOCOGRIND 162** A chlorine free, general purpose straight grinding oil, designed for ferrous metals. It contains a balanced blend of extreme pressure and lubricity additives to ensure excellent cooling and stock cooling and stock removal.
- WOCOCUT 165** A general purpose cutting oil, containing active sulfur, chlorine, wetting and lubricity agents. It is especially effective where excellent visibility of the work piece is required and performs well in a wide variety of tapping, threading, and gear generation applications.
- WOCOCUT 169** A heavy duty cutting oil containing active sulfur, chlorine, wetting and lubricity agents, specifically designed for the machining of tough, draggy, ferrous metals. It is used in a wide range of operations including drilling, tapping, threading, nut forming, and broaching.
- WOCOHONE 8995** A high quality honing oil formulated with an oxidatively stable paraffinic base oil and a unique high performance additive package. Designed to work with both diamond and vitrified abrasives, it will keep the abrasives extremely clean while providing excellent surface finish. It contains active sulfur and is not suitable for use on copper alloys.



## Cutting Oils Selection Chart

Non-Ferrous Metals					
Machine Characteristics	Difficult	Easy	Moderate	Difficult	Difficult
Operation	Aluminum Alloys	Copper, Brass and Bronze	Magnesium	Nickel Alloys	Titanium Alloys
Tapping	Procut SS	Wococut SM 150	Procut AL	Procut SSA	Procut SSA
Pipe Threading	Procut SS	Wococut SM 150	Procut AL	Procut SSA	Procut SSA
Gear Generation, Hob, Cut, Shave, Shape	Procut AL	Wococut SM 150	Procut AL	Procut SSA	Procut SSA
Deep Drilling, Gun Drilling, Trepanning	Procut AL	Wococut SM 150	Procut AL	Procut SSA	Procut SSA
Turning, Shaping, Planing, Drilling, Reaming, Milling	Procut AL	Wococut SM 150	Procut AL	Procut SSA	Procut SSA
Automatic Screw Machines	Procut AL	Wococut SM 150	Procut AL	Procut SSA	Procut SSA
Grinding	Procut AL	Wococut SM 150	Procut AL	Procut SSA	Procut SSA
Honing	Wocohone 8995	N/A	Wocohone 8995	Wocohone 8995	Wocohone 8995

Ferrous Metals				
Machine Characteristics	Easy	Moderate	Difficult	Easy/Moderate
Operation	For Machinability Above 70%	For Machinability 50% to 70%	For Machinability Below 50%	Cast Iron
Tapping	Wococut 165	Wococut 169	Procut SSA	Wococut 165
Pipe Threading	Wococut 169	Procut SSA	Procut SSA	Procut 165
Gear Generation, Hob, Cut, Shave, Shape	Wococut 165	Wococut 169	Wococut 169	Wococut 165
Deep Drilling, Gun Drilling, Trepanning	WC 75	WC 75	WC 75	WC 75
Turning, Shaping, Planing, Drilling, Reaming, Milling	Wococut 165	Wococut 165	Wococut 169	Wococut 165
Automatic Screw Machines	Wococut SM 150	Wococut SM 150	Procut SS	Wococut SM 150
Grinding	Wococut SM 150	Wocogrind 162	Wocogrind 162	Wococut SM 150
Honing	Wocohone 8995	Wocohone 8995	Wocohone 8995	Wocohone 8995