

J-CUT 450

Heavy Duty Broaching Oil

Description

J-CUT 450 is a heavily additized, high performance oil developed for use in difficult machining operations such as helical broaching. **J-CUT 450** contains an oiliness additive for additional performance, especially on draggy, soft metals.

Performance Benefits

- Excellent performance in helical broaching operations.
- Properly balanced lubrication provides excellent surface quality
- High additive levels eliminate need for tank-side additions
- Chlorine free formula

Recommended Applications

	Cast Iron	Low-medium alloy steel	High alloyed steel/nickel-chromium alloys	Titanium alloys	Aluminum alloys	Yellow metals
Honing/Superfinishing	-	-	-	-	-	-
Grinding	-	X	X	-	-	-
Drilling	-	X	X	X	-	-
Broaching/Gear manufacturing	-	X	X	X	-	-
General machining	-	X	X	X	-	-

Characteristics

Properties	Unit	Test Method	Value
Appearance	-	Visual	Dark Amber Oil
Density @ 15°C	Lbs/gal	-	7.6
Viscosity @ 40°C	cSt	ASTM D446	55
Viscosity @ 100°F	SUS	ASTM D446	255
Flash Point	°F	ASTM D92	>350°F
Copper corrosion	3 hr at 100°C	ASTM D130	4c

	Ester	Active Sulfur	Inactive Sulfur	Phosphorous	Calcium	Chlorine	Zinc
Additives	X	X	X	-	-	-	-