

## ArrowCool Application Chart

	Product	Cast Iron	Steel	Carbon Steel	High Silica Aluminum	Low Silica Aluminum	Stainless Steel	Titanium	Brass Cooper	Application Severity	Concentration Range	Refractive Index
Soluble oil	ArrowCool SOL-800-M		√	√	√	√			√	Low	Light duty 3-5% Moderate duty 5-7% Heavy duty 7-10%	1.0
	ArrowCool SOL-810	√	√	√	√	√	√		√	↕	Light duty 3-5% Moderate duty 5-7% Heavy duty 7-10% Very heavy duty 10-20%	1.0
	ArrowCool SOL-827	√	√	√	√	√	√				Light duty 3-5% Moderate duty 5-7% Heavy duty 7-10% Very heavy duty 10+%	1.0
	ArrowCool SOL-829		√	√	√	√	√	√		High	Light duty 3-5% Moderate duty 5-7% Heavy duty 7-10% Very heavy duty 10+%	1.0
Micro Emulsion	ArrowCool ME-350	√	√	√	√	√	√			Low	Light duty 3-5% Moderate duty 3-5% Heavy duty 5-7% Very heavy duty 7.5-10%	1.4
	ArrowCool ME-355		√	√	√	√	√	√		High	Light duty 3-5% Moderate duty 3-5% Heavy duty 5-7% Very heavy duty 7.5-10%	1.4
Semi Synthetic	ArrowCool SEM-912	√	√	√			√		√	Low	Grinding 3-5% Light duty 3-5% Moderate duty 5-7.5% Heavy duty 7-10%	2.5
	ArrowCool SEM-920	√	√	√			√	√		↕	Grinding 3-5% Light duty 5% Moderate duty 5-7.5%	2.0
	ArrowCool SEM-930	√	√	√	√	√	√	√			Grinding 5-7% Light duty 5-7% Moderate duty 5-7%	1.7
	ArrowCool SEM-933	√	√	√	√	√	√		√	↕	Grinding 3-5% Light duty 5% Moderate duty 5-7.5% Heavy duty 8-10%	2.0
	ArrowCool SEM-935	√	√	√	√	√	√	√	√		High	Grinding 5-7% Light duty 5-7% Moderate duty 5-7% Heavy duty 8-10%
Synthetic	ArrowCool SYN-700	√	√	√			√			Low	Grinding 3-5% Light duty 3-5% Moderate duty 5-7.5% Heavy duty 7.5-10%	3.33
	ArrowCool SYN-710	√	√	√	√	√	√	√	√	↕	General machining of AL die cast 5-10% Drill, tap & mill of AL die cast 7-10%	2.60
	ArrowCool SYN-722	√	√	√	√	√	√	√	√		Grinding 5-7% Light duty 5-7% Moderate duty 5-7% Heavy duty 7-10%	2.00
	ArrowCool SYN-730	√	√	√	√	√	√		√	High	Grinding 5-7% Light duty 5-7% Moderate duty 5-7% Heavy duty 7-10%	1.70