



VALUE DRIVEN PERFORMANCE

Welcome to FOXX® ....

A comprehensive range of product lines to match all your industrial fluid requirements.

The FOXX® range includes metal working fluids, slideway oils, hydraulic oils and maintenance products.

There are three types of water based metalworking fluid concentrates:

TYPE OF FLUID	% MINERAL OIL IN CONCENTRATE	FOXX® PRODUCTS
Synthetic	0%	Extend Range, Eco
Semi-Synthetic	5-40%	Excel, Multi S1, Blade
Soluble Oil	50-90%	Extreme Range



## SYNTHETIC METALWORKING FLUIDS

Modern synthetic metalworking fluids have the ability to cool and lubricate more efficiently because they contain no mineral oil. These latest technology synthetic fluids provide the lubrication and other performance properties needed for a broad range of applications. Synthetics reject tramp oil extremely well, are very low foaming and create minimum mist. They are therefore very clean, with good bacterial resistance and operator and environmentally friendly.

### FOXX® Extend Plus

A fully synthetic clear, low pH, metalworking fluid with technology that greatly improves machining and grinding performance and productivity by optimising lubrication and cooling functions.

Can be used for heavy to severe grinding and machining (including deep hole drilling and roll form tapping on aluminium and some steels).

Suitable for use on many grades of aluminium alloys including surface stain resistance, carbon and stainless steels, titanium and other exotic alloys (excluding magnesium alloys). Low misting and foaming, excellent rancidity control and high tramp oil rejection.

CODE	DESCRIPTION	REFRACTOMETER FACTOR	DILUTION
FOX1400	200 litre	1.6	Grinding 5-10%
FOX1401	20 litre		Machining 5-10%
FOX1402	5 litre		

### FOXX® Extend S

A cost effective fully synthetic low pH, clear metalworking fluid for moderate to heavy machining and grinding applications.

Suitable for use with aluminium alloys, cast iron, carbon and stainless steels, titanium and other alloys, excluding magnesium.

Very good lubricity provides excellent tool life and surface finish. Is a low foaming, low misting, operator friendly product which rejects tramp oils to keep products clean and therefore extends sump life.

CODE	DESCRIPTION	REFRACTOMETER FACTOR	DILUTION
FOX1500	200 litre	2.6	Grinding 5-10%
FOX1501	20 litre		Machining 5-10%
FOX1502	5 litre		

## FOXX<sup>®</sup> Eco

A very low foaming fully synthetic clear metalworking fluid particularly for grinding and also moderate machining. Suitable for use with cast iron, carbon steel and ferrous metals. Exceptional tramp oil rejection, excellent rust protection and very resistant to bacteria and mould attack.

CODE	DESCRIPTION	REFRACTOMETER FACTOR	DILUTION
FOX1800	200 litre	2.5	Grinding 5-10%
FOX1801	20 litre		Machining 5-10%
FOX1802	5 litre		

## FOXX<sup>®</sup> Extend CB

A fully synthetic clear metalworking fluid specifically designed for carbide grinding, but also can be used for moderate machining and grinding of ferrous metals. This bio-resistant cobalt inhibited grinding fluid prevents cobalt leaching, thus preserving the carbide matrix and reducing health hazards.

CODE	DESCRIPTION	REFRACTOMETER FACTOR	DILUTION
FOX1700	200 litre	1.9	Grinding 5-10%
FOX1701	20 litre		Machining 5-10%

## SEMI SYNTHETIC METALWORKING FLUIDS

These water soluble fluid concentrates are a combination of synthetic fluids and up to 40% mineral oil. This hybrid technology has been well developed and has become the industry standard because they generally have the benefits of the mineral based emulsions such as high lubricity & multi-material capability with the advantages of dramatically longer sump life, cleanliness & cycle visibility. Generally recommended for cost effective general purpose medium to heavy duty machining and grinding on ferrous and many non-ferrous metals.

## FOXX<sup>®</sup> Excel Plus

A premium semi-synthetic clear metalworking fluid for heavy duty machining applications including roll form tapping in alloy steels. Superior lubricity, very good biocide & corrosion control are features. Contains copper corrosion inhibitors (slowing the release of copper ions in yellow metals) that stops the leaching from turning the coolant blue and is non-staining on aluminium.

CODE	DESCRIPTION	REFRACTOMETER FACTOR	DILUTION
FOX0900	200 litre	1.6	Machining 5-10%
FOX0901	20 litre		
FOX0902	5 litre		

## FOXX<sup>®</sup> Excel

A fully semi-synthetic hazy metalworking fluid for moderate to heavy duty machining and grinding operations. Recommended for high fluid pressure and volume applications (with minimal foaming) in both ferrous and most non-ferrous applications. Provides good corrosion protection and rancidity control.

CODE	DESCRIPTION	REFRACTOMETER FACTOR	DILUTION
FOX1000	200 litre	1.4	Grinding 5-10%
FOX1001	20 litre		Machining 5-10%
FOX1002	5 litre		

## FOXX<sup>®</sup> Multi S1

A general purpose chlorine free semi-synthetic hazy metalworking fluid for moderate duty machining, grinding and sawing. A versatile product that can be used on steels, stainless steel and most non-ferrous alloys (excluding magnesium alloys). Good corrosion protection, non-staining and excellent rancidity control.

CODE	DESCRIPTION	REFRACTOMETER FACTOR	DILUTION
FOX1100	200 litre	1.7	Grinding 5-10%
FOX1101	20 litre		Machining 5-10%
FOX1102	5 litre		

## FOXX<sup>®</sup> Blade

A low cost clear semi-synthetic metalworking fluid for light to moderate machining and grinding on ferrous and most non-ferrous materials (excluding magnesium alloys). Also suitable for sawing operations. Has good lubricity, corrosion protection and rancidity control.

CODE	DESCRIPTION	REFRACTOMETER FACTOR	DILUTION
FOX1200	200 litre	3.1	Grinding 5-10%
FOX1201	20 litre		Machining 5-10%
FOX1202	5 litre		

## MINERAL BASED EMULSION METALWORKING FLUIDS

These water soluble fluid concentrates contain from 50 to 90% mineral oil and are also referred to as soluble oils. They are suitable for heavy duty machining and grinding on both ferrous and non-ferrous metals. Generally considered to be robust products suitable for nearly all operations.

### FOXX<sup>®</sup> Extreme Plus

A premium, versatile, milky appearance, soluble oil metalworking fluid containing chlorinated extreme pressure (EP) additives for heavy to severe duty machining and grinding of steels, stainless steels, exotics and most aluminium alloys (excluding magnesium alloys). Has good microbial control and excellent corrosion protection.

CODE	DESCRIPTION	REFRACTOMETER FACTOR	DILUTION
FOX1900	200 litre	1.0	Grinding 5-10%
FOX1901	20 litre		Machining 5-10%
FOX1902	5 litre		

### FOXX<sup>®</sup> Extreme

A high performance, milky appearance, soluble oil metalworking fluid containing chlorinated extreme pressure (EP) lubricant for heavy duty general purpose machining of ferrous and most non-ferrous applications. Particularly suitable for high fluid pressure and high volume application. This product is low foaming, has very good corrosion protection and good rancidity control.

CODE	DESCRIPTION	REFRACTOMETER FACTOR	DILUTION
FOX2000	200 litre	0.9	Grinding 5-10%
FOX2001	20 litre		Machining 5-10%
FOX2002	5 litre		

## NEAT OIL METALWORKING FLUIDS

These neat cutting oils combine mineral oils and additives for cutting and grinding operations where high performance and high lubricity is required.

### FOXX<sup>®</sup> Gold HT

A clear cutting and grinding oil with a severely hydro-treated low viscosity base oil, recommended for use on automatic lathes and general machining of ferrous and non-ferrous metals. Provides excellent surface finish and low foaming for improved operator acceptance.

CODE	DESCRIPTION	VISCOSITY AT 20°C
FOX4000	200 litre	20cSt
FOX4001	20 litre	
FOX4002	5 litre	

### FOXX<sup>®</sup> Gold HV

A high viscosity, straight, highly refined oil containing chlorinated additives and active sulphurs, that makes this fluid particularly suitable for low speed heavy duty applications as in tapping, hobbing, drilling and broaching of steels and stainless steel. User 'friendly' with excellent lubricity, providing good surface finish and corrosion control.

CODE	DESCRIPTION	VISCOSITY AT 40°C
FOX4100	200 litre	32cSt
FOX4101	20 litre	
FOX4102	5 litre	

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## MINIMUM QUANTITY LUBRICANTS (MQL)

### FOXX<sup>®</sup> EcoMist

A clear environmentally friendly vegetable based high viscosity metalworking oil for misting applications or other MQL applications where minimal flow volumes are required. Applied neat and directly to the required area minimises the amount of fluid used and eliminates recharge and disposal costs. Suitable on most ferrous and aluminium materials for milling, drilling, turning, slotting and sawing. Low misting and odour, mild on skin and finished parts come away clear of swarf and almost dry. Has extreme pressure lubricity additives that contain no sulphur or chlorine.

CODE	DESCRIPTION
FOX5100	200 litre
FOX5101	20 litre
FOX5102	5 litre



## SLIDEWAY OILS

### FOXX<sup>®</sup> Glide 68

A specially formulated machine tool lubricant for all horizontal slideways. It combines mineral oil and extreme pressure additives to reduce wear and assist eliminating stick-slip and meets the Cincinnati Machine P47 specification. Designed for minimal impact on water based metalworking fluids.

CODE	DESCRIPTION	VISCOSITY GRADE
FOX2680	200 litre	68
FOX2681	20 litre	
FOX2682	5 litre	

## HYDRAULIC OILS

### FOXX<sup>®</sup> GenR8-32, GenR8-46, GenR8-68

Blended with premium based oils and special additives for high pressure, industrial and mobile equipment hydraulic systems. Multi-metal compatible, outstanding hydraulic efficiency and anti-wear properties with low foaming for consistent pressure transmission.

CODE	DESCRIPTION	VISCOSITY GRADE	FLASHPOINT
FOX3032	GenR8-32, 200 litre	32	212°C
FOX3033	GenR8-32, 20 litre	32	212°C
FOX3046	GenR8-46, 200 litre	46	224°C
FOX3047	GenR8-46, 20 litre	46	224°C
FOX3068	GenR8-68, 200 litre	68	228°C
FOX3069	GenR8-68, 20 litre	68	228°C

## MAINTENANCE PRODUCTS

### FOXX<sup>®</sup> Machine Clean

A multi-purpose cleaner for individual and central system clean out, effectively removing bio-films, dirt, chip deposits and insoluble soaps and oils. Has corrosion inhibitors to protect machines and parts and intended for use in systems working with ferrous metals. Can be used also in power washers, steam cleaners and floor scrubbers. As a machine cleaner, drain the used metalworking fluid and charge the system with diluted Machine Clean, filling the reservoir as full as possible and circulate for 2-4 hours before draining and rinsing.

CODE	DESCRIPTION	DILUTION (MACHINE CLEANING)
FOX5000	200 litre	2 - 4%
FOX5001	20 litre	
FOX5002	5 litre	



### FOXX<sup>®</sup> Guard R562

A general purpose water based corrosion inhibitor for the prevention of rust on cast iron & steel and also used in plasma cutting machinery. Usually applied by dipping or spraying & leaves a thin clear dry film.

CODE	DESCRIPTION	REFRACTOMETER FACTOR	DILUTION
FOX5200	200 litre	4.2	Spray or Misting 10%
FOX5201	20 litre		Dip or Immersion 10-20%
FOX5202	5 litre		Spray Washers 2-5%
			Storage 10-50%