



## **CUTOIL X**

## **Sulpho-chlorinated EP Neat**

**CUTOIL X** oils are fluids usually based on mineral oils and used for cutting without further dilution. They are generally blends of mineral oils and other additives.

**CUTOIL X** oils can be used for applications from light machining to heavy-duty operations such as gear hobbing, broaching, turning, honing and drilling.

**CUTOIL X** is a low viscosity solvent refined paraffinic oil with an sulpho- chlorinated EP additive package specially formulated for General purpose machining operations such as Honing ,Cuting ,etc on tough ferrous metals.

This oil gives outstandingly high performance and has low levels of odour and fumes during service. It is used for cutting steels of over 50 TSI (UTS), and for glass and thread grinding.

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Secondary functions of a neat cutting oil include The removal of swarf and dust

Lubrication of other parts of machinery such as slideways and screws

Corrosion protection of the workpiece and exposed metal parts of the machine tool Neat cutting oils are used where there is High stock removal

High quality surface finish requirements Slow speeds, high feeds

Older machines with stock head ingress Water effects tool matrix

**CUTOIL X** is recommended for broaching operations on high tensile steels and heat resisting alloys.

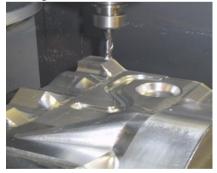
Its low viscosity ensures good penetration to the cutting edge and assists the removal of swarf.

CUTOIL X will not stain yellow metals.

suitable for operations that require very high rates of metal removal.

It is used for:

- ► Give extended tool life
- ► Low odour
- ► Clarity, for workpiece visibility
- ► Improved workpiece surface finish
- ► Excellent lubrication and cooling properties
- ► Low drag-out losses due to light viscosity.







LIGHT.	M LIGHT	MEDIUM	HEAVY
0.87	0.88	0.89	0,897
12	24	36	69
-11	-11	-12	-12
220	234	253	260
	0.87 12 -11	0.87 0.88 12 24 -11 -11	12 24 36 -11 -11 -12



