

SYSTEM CERTIFICATION

## BEHRAN CUTTING OILS

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### USES

Neat cutting oils are used in a variety of machining operations e.g. grinding, turning, milling, broaching, drilling, tapping, gear cutting on cast iron & on plain, alloyed steels and non ferrous metals. Primarily to provide cooling and lubrication which lead to good tool life and appropriate surface finish of the components being machined. These products offer superior performance where the demands

upon the lubricant cannot be met by a water-based fluid. Neat cutting oil manufactured from solvent refined mineral oil and blended of selected chlorine and / or sulfur additives. Some grades also contain active sulfur and/or fatty oils.

• **Behran Cutting Oil** contains a range from general purpose to heavy duty formulations, suitable for a wide variety of machining and grinding operations.



**TYPICAL CHARACTERISTICS**

Specification	Test Method	Behran Cutting oil 11	Behran Cutting oil 12	Behran Cutting oil 15	Behran Cutting oil 33	Behran Cutting oil 34	Behran Cutting oil 36	Behran Cutting oil 53
Kinematic Viscosity @ 40°C (cSt)	ASTM D-445	24	27.5	32	21	35	34.5	39
Flash Point °C	ASTM D-92	190	188	204	188	174	210	210
Density @ 15 °C Kg/m <sup>3</sup>	ASTM D-4052	874	876	895	875	884	895	886
Corrosion Test	Inactive sulfur	-	-	+	+	-	+	-
	Active sulfur	-	-	-	+	+	+	-
	Chlorin compound	+	+	+	-	+	+	+
	Fatty oil	-	+	-	+	+	-	+
<b>APPLIC ATION</b>		Non staining oils for general purpose use on ferrous and non ferrous metals & suitable for copper & aluminum and their alloys.	Non staining oils for general purpose where good surface finish is required & suitable for copper & aluminum and their alloys.	This product is a non staining oils for yellow metals & suitable for general machining operations on steel metal except. aluminum	For deep-hole drilling & precision grinding of all kinds of steel where good surface finish is required.	This product is applicable to steels of up to severe machinability.	This product is applicable to steels of very severe machinability.	Non staining oil for general purpose use on ferrous and non ferrous metals.

**Packaging**

208 liter new steel drum

