

HD Series Cutting Oils

Dyna-Plex 21C[®] HD Series Cutting Oils are active, heavy-duty oils formulated for difficult machining operations on tough grades of steel. All products in the series contain active sulfur and will stain copper, brass, and aluminum alloys. Dyna-Plex 21C HD Series oils contain unique combinations of lubricity and anti-weld additives ensuring excellent tool life, superior surface finish, and consistent production quality. Each fluid is formulated with effective anti-mist agents to reduce oil mist during high-speed machining operations. Dyna-Plex 21C HD Series oils resist foaming, even in high-pressure and high-velocity applications.

HD 1300 is formulated for difficult operations on low-machinability alloy and stainless steels.

HD 1320 is an enhanced version of HD 1300 recommended for use with exceptionally difficult grades of specialty stainless steels and exotic metals. It can also be used as spike oil to boost additive levels where long service life and contaminant dilution have adversely impacted cutting oil performance.

HD 1100 is a moderate-duty formula recommended for exceptional machining performance on carbon and alloy steels. It is particularly well suited for gear hobbing and gear shaping applications.

HD 1000 is a 15 cSt, moderate-duty machining and grinding oil used primarily for grinding, gear grinding, gun drilling, and deep-hole drilling. It contains a highly-effective anti-foam package to prevent air entrapment in high-velocity and high-pressure oil delivery systems.

HD 700 is a 10 cSt version for applications where grinder OEMs prefer lighter-viscosity oils.

Chlorine*D-4327PresentPresentPresentPresentNoneLubricity AdditivesIRPresentPresentPresentPresentPresentPresent	PROPERTY	ASTM TEST <u>METHOD</u>	<u>HD 1320</u>	<u>HD 1300</u>	<u>HD 1100</u>	<u>HD 1000</u>	<u>HD 700</u>
Copper Strip Corrosion D-130 4c 4c 4b 4b 4b	Color Flash Point, °F Sulfur Chlorine*	Visual D-92 D-129 D-4327	Dark Amber 400°F Present Present Present	Dark Amber 398°F Present Present Present	Amber 390°F Present Present	Amber 370°F Present Present	Amber 350°F Present

*All vLCCP, C21+