



LF 195

CUTTING FLUID „HIGH-CUT“

smartGLEIT LF 195 is a combination of mineral based oils and a especially selected combination of microWHITE solid lubricants — formulated for best results in metalworking processes.

Product Features

smartGLEIT LF 195 is non-water-miscible and does not contain additives containing sulfur, phosphor, chlorine, nitrites, amines or heavy metals. It provides low cutting forces and superb surface finish. Due to smartWHITE solid lubricants it is especially well suited for hard-to-machine materials. smartGLEIT LF 195 is biodegradable and non-toxic. LF 195 combines environmental compatibility with outstanding product performance:

- enables very high cutting forces even with hard-to-machine materials
- provides outstanding surface finish
- prevents pitting and metal seizure
- Prevents staining on non-ferrous metals
- maximises tool life
- wide service temperature range

Product Applications - Beispiele

smartGLEIT LF 195 has been developed for machining with high cutting forces and for all types of metals which are hard-to-machine, such as:

- tempered steel,
- chrome-, chrome-nickel steel,
- manganese steel
- tool steel,
- titanium- and titanium alloys,
- silicon steel and others.

smartGLEIT LF 195 is also successfully used with following processes e.g.:

- broaching
- tapping
- deep drilling, pecking
- gear-milling
- slotting
- planing

Instructions for Use

- smartGLEIT LF 195 is supplied ready to use. It can be applied by automatic dosing or manually. Following application methods are possible:
 - brush application
 - oil can dispensing
 - drip oiler or splash lubrication
 - (automatic) dosing system

Typical Properties smartGLEIT LF 195

Test / Feature	Standard/ Parameter	Unit	LF 195
Appearance	visual	—	beige liquid
Base Oil	—	—	biodegradable ester
Viscosity	DIN 51562, T1	mm ² /s	~500
Density	DIN 51757	g/cm ³	0.9
Flashpoint	DIN EN 57	°C / °F	>200 / 392
Service Temperature	—	°C / °F	-20 to +100 / -4 to 212
Usable Life	—	months	12
Available Container Sizes	—	—	5 l closed head pail
Handling Precautions	—	—	see SDS