

FENELLA™ DRAWING OIL

Metal Working Heavy Duty Drawing oil

DESCRIPTION

FENELLA DRAWING OIL is a special oil for cold heading and drawing operations.

FENELLA DRAWING OIL is a special metal working oil for cold heading and drawing operations of stainless steel. The high content of chlorine-free EP-additives guarantees a long tool life. The additives allows the use of the oil as dual purpose oil also for machine lubrication.

FENELLA DRAWING OIL is based on specially refined mineral oil and contains a combination of chemically active and polar additives. The additives are selected to provide the oil with high load carrying properties.

FENELLA DRAWING OIL discolours yellow metals. Optimum viscosity for heat dissipation. Good die life

FEATURES

- Excellent for Cold heading of Stainless steel
- High EP and Boundary lubrication
- Do not use for Non-Ferrous metals
- Excellent for machine lubrication
- Good Die life

TYPICAL VALUES

Product Appearance	Brown Oil
Copper Corrosion (ASTM D 130):	4C
Specific Gravity @29.5°C (ASTM D 4052):	1.061 kg/L
Kinematic Viscosity @40°C (ASTM D 455):	145 St
Flash Point (ASTM D 92):	214°C
Weld Load (ASTM D 2783)	> 800 kgs
Wear Scar (ASTM 2266)	0.96 mm

HEALTH AND SAFETY

Refer to MSDS for proper handling and disposal. Please note that the MSDS includes handling, health and disposal information which should be passed on to your employees, and to anyone else who comes in contact with our product. Additional advice can also be obtained from your local Houghton representative.

NOTE: Read and understand all precautions on container labels before using this product.

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D.A. Stuart India Private Limited
Plot No. 32A. HUDA Enclave,
Jubilee Hills, Hyderabad
Andhra Pradesh 500033 India

Phone: +91 (40) 2354-1250
Fax: +91 (40) 2354-4869
info@houghtonindia.com
www.houghtonindia.com

This document contains information based on data that is believed to be correct. However, the product may not be applicable to all uses and operating environments. No warranty or guarantee is expressed or implied.

FENELLA™ DRAWING OIL

Metal Working Neat SS Bolt & Screw forming oil

REFERENCES

Houghton recommends that periodic checks of **FENELLA DRAWING OIL** should be carried out .

Checks will involve:

Viscosity@40°C: 135 - 155cSt (In-use)

Water Content: < 0.02% (In-use)

These can be routinely performed and organised through Houghton's Customer Service laboratory, please contact your sales representative for further information about this service.

HOW TO USE

FENELLA DRAWING OIL is used neat, as supplied, from the drum.

Apply by: Spraying, brushing or flooding.

FENELLA DRAWING OIL can be diluted with light oil for light machining operations.

SHELF LIFE & AVAILABILITY

Under normal conditions the recommended shelf life for **FENELLA DRAWING OIL** is a minimum of Twelve (12) months, unless otherwise specified. The product should be stored inside (5-40°C) for no more than 1 year and be protected from freezing.

FENELLA DRAWING OIL is available in Pail, Drum or Tote. Other sizes may be available upon request , please contact your Houghton sales representative.

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RELATED PRODUCTS

- CUT-MAX®: Straight cutting oils
- GARIA™: Straight cutting oils
- MACRON™: Straight cutting and honing oils
- EXCELENE™: Straight cutting and honing oils
- DASCOLENE™: Straight OEM approved cutting oils
- HOCUT®: Water miscible metalworking fluids
- DASCOOL™: Water miscible metalworking fluids
- DROMUS™: Soluble metalworking fluids
- ADRANA™: Micro-emulsion metalworking fluids
- SITALA™: Semi-Synthetic metalworking fluids
- METALINA™: Synthetic metalworking fluids
- HOUGHTO-GRIND®: Straight and water miscible grinding fluids
- HOUGHTO-DRAW®: Straight and water miscible drawing stamping and forming fluids.
- CINDOL™: Straight and water miscible drawing and forming fluids especially for Aluminium parts.
- FENELLA™: Straight and water miscible drawing, stamping and forming fluids.
- CERFA-KLEEN®: Water miscible cleaning fluids
- VIBRA-KLEEN®: Water miscible vibrating cleaning fluids
- CALLINA™: Water miscible cleaning fluids
- RUST VETO®: Straight and water miscible rust preventive fluids.
- ENSIS™: Straight and water miscible rust preventive fluids.
- COSMOLINE®: MIL-SPEC Straight and water miscible rust preventive fluids.



HOUGHTON™

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