



# DRY LUBRICANTS SELECTION GUIDE



## VICAFIL™

As the worldwide leader in wire drawing lubricants, CONDAT offers the industry's most extensive product range, covering the full spectrum of applications. Our wide range of formulations, including sodium-based, calcium-based and mixed-basis powder lubricants are designed to meet the latest environmental and health-&-safety regulations and directives, aimed to provide:

- Reduced dust levels in the workplace.
- Compliance with latest applicable legislations.
- Sustainable and environmentally-friendly solutions.

Our range has been developed to anticipate the market trends and meet or exceed our customer's expectations by offering the following potential advantages:

- Reduced soap consumption and waste disposal (and associated costs).
- Improved 'cleanability' (e.g. replacement of calcium soaps by sodium soaps).
- Optimized productivity by increased draw speeds.
- Improved adhesion (especially on smooth surfaces).

## STEELSKIN™

A range of specialty lubricants, designed for the most demanding applications, formulated with a variety of additives, e.g.

- Extreme pressure (EP) additives (to reduce die wear).
- Graphite additives (to improve drawability).
- MoS<sub>2</sub> additives (to improve lubricity and reduce friction).
- Synthetic wax additives (to enhance lubricity and improve corrosion protection).

## APPLICATIONS

Our range has been developed to cover a wide range of applications, including:

- Low, medium and high carbon steels (including zinc galvanized and aluminum clad).
- Stainless and nickel-based alloy steels.
- Non-ferrous materials, e.g. copper, aluminum and zinc.
- Cold rolling / roller-forming, e.g. welded mesh wire.
- Fastener industries (including nails, staples, rivets, and various CHQ fasteners).
- Spring wires (high carbon, stainless, oil-tempered etc.).
- Welding Wire (including CO<sub>2</sub>, flux-cored and stick electrode).
- PC Strand and Rope.
- Drawing of bars (round and profiles).
- Fencing, industrial & agricultural wire.
- Tire cord and tire bead wire, etc ...



**CONDAT**

PROVIDING INNOVATION TO YOUR INDUSTRY



# DRY LUBRICANTS SELECTION GUIDE



unless indicated

		STEEL						Stainless steel	Copper alloys	Aluminium alloys	
		Low carbon		High carbon		Alu clad	Galvanized				
		Mech. descaled	Acid-pickled and pre-coated	Mech. descaled	Acid-pickled and pre-coated						
VICAFIL™	Calcium soap based lubricants	CROCUS - X2 - TF 4407	•	•		•					Versatile for medium reductions and speeds.
		TF 132 - TF 1562	•								Wire to be galvanized, low residues.
		DECAL 600 -TF 44 - TF 812 DECAL 440	•						•		High lubricant pick-up.
		TF 239	•						•		High lubricant pick-up. Easy to remove
		X4			•	•		•			High speed drawing. Low consumption. Low dust.
		TF 1392 - X8*	•		•	•			•		High lubricant pick-up. Very high speed drawing.
		TF 1651	•		•	•					Redrawing : first drafts
		TF 1269	•		•	•					High speed drawing. Very good adherence. Low residues
		TF 120 - TF 3738 - DR				•			•		PC wire. Low dust and clean finish.
		CAULIS - CANTOR 60			•	•			•		Clean finish.
		TF 1202 - TF 1669 - TF 1869				•			•		Galvanized wire. Spring wire. Very good adherence.
VICAFIL™	Sodium soap based lubricants	LM 935 - LM 1120 - LAM 446	•								Cold rolling. Very low consumption.
		TN 4543	•	•							Clean finish. Few drafts. High reductions.
		SPM 3 W - TN 3851*	•	•							Good drawing ability. Good cleaning ability.
		TN 3952		•							Few reductions. 100% soluble in water : plating quality.
		TN 1700	•	•	•	•			•		Very high adherence. High lubricant pick-up.
		TN 1524		•		•			•		High speed drawing. First reductions. High cleaning ability.
		TN 1548* - TN 1678	•		•				•		First drafts instead of a calcium soap. Ex : CO2 Wire.
		TN 2893 - TN 1948*		•		•			•		Redrawing. Very good surface quality (Ex: spring wire).
		SALVIA 5 - TN 1180	•	•		•		•	•		General use redrawing. Very clean finish.
		SUMAC 3* - SANTALE 6 - SUMAC 5*	•	•	•	•		•	•		High performance requirements.
		TN 3774		•					•		CO <sub>2</sub> Wire
VICAFIL™	Specialty lubricants	TN 21 - TN 19T3		•		•		•			High speed drawing. Fine wire.
		SECALE - TN 3785		•		•			•		Bright and clean finish.
		TN 4392 - TN 1012 - SPS 99		•					•	•	Low speed drawing. Bright and clean finish.
		3814 - 2408		•		•			•		Cold heading wire. Low residues.
		99 MO - 1091		•		•					Cold heading wire. Low residues. High tool life.
		QBG 3					•		•		Aluminised steel (Alu clad)
		121 - 4165				•					PC wire.
		366							•		High drawing ability combined with a sodium soap.
		DR				•			•		Redrawing. High pick-up.
		5890 - 1670									Flux cored wire.
		1629				•			•		Black finish.
4Z							•		Flux cored wire.		
3150				•		•	•		Synthetic dry lubricant.		
Powder GF			•	•			•		Additive. Synthetic graphite.		

\* : <6,5% Borax

