



lubrimental



lubrimetal ...to reach the highest peaks

Lubrimetal is a chemical company specialising in the production of lubricants and other chemicals for wire drawing and metal surface treatment

QUALITY AND ASSISTANCE

Our knowledgeable technicians have built up a strong collaboration with our customers utilising Lubrimetal's 50 years of experience to solve their technical problems and deliver innovative solutions

Our chemists co-operate with our technical sales department and with our customers to develop new products and to test residuals before/after the drawing processes and for other specialised analyses

ASK FOR OUR NEW GENERATION PRODUCTS

MISSION

To assist our customers in obtaining maximum technical performance using suitable and, where necessary, personalised products

PHILOSOPHY

Since its inception in 1959 the cardinal values of Lubrimetal have been: technical competence, passion, availability and environmental responsibility

RESPONSIBILITIES

ISO 9001 Since 1993 Quality Management System

ISO 14001 Since 1995 Environmental Management System

OHSAS 18001 Since 2000 Occupational Health and Safety System

Our well known registered trademarks are synonymous with high performance and guaranteed quality all over the world

LUBRIFIL®

- Calcium based dry drawing lubricants
- Sodium based dry drawing lubricants
- Other dry lubricants
- Borax and nitrite free lubricants

LUBRIOL®

- Oils and greases for wire drawing
- Emulsifiable oils for wet wire drawing

FOSFIL®

Phosphate coating agents and other chemical products for treating metal surfaces

STEELFOR®

Lubricant carriers for the surface treatment of carbon and stainless steel wire and rod

Borax free coatings

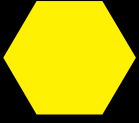
ADDITIVES LM®

Pickling and corrosion inhibitors and other special additives

Auxiliary items for steel wire drawing and for other cold forming operations

ENGINEERING DIVISION

Rotating die-holders, mechanical descalers, helicoidal brushes, lubricant applicators



Low-medium carbon steel



High carbon steel



Stainless steel



Wet drawing



Copper



Inhibitors



Phosphating and lubricant carriers



Metalworking and other treatments

Low-medium carbon steel

For the manufacture of	Surface treatments	Dry drawing	Suitable lubrication
Standard quality wires Nails wire (traditional) Annealed wire	Mechanical descaling or acid pickling	Up to 12 m/s	LUBRIFIL VA 8004 - VA 9000 VA 803 - VA 805 VA 4045 - VA 3600
Galvanized wire for fences, barbed wire, baling wire, etc.		Up to 16 m/s	LUBRIFIL VA 9001 - VA 9006 VA 9007 - VA 9009 VA 645 - VA 646
		Up to 22 m/s	LUBRIFIL VA 2000 - VA 2005 VA 2007 - VA 2009 VA 651 - VA 4040
		Over 22 m/s	LUBRIFIL VA 2001 - VA 2015 VA 2100 - VA 2200 VA 3600 - VA 3800
Plating quality wire Bright finished wire Special nails wire	Mechanical descaling or acid pickling	Single pass	GREASE ZT 1 - ZT 9 - V 249
Electrode wire Desoaped wire		Multidraft	SYSTEM W - SYSTEM V 100 LUBRIFIL VA 6040 - VA 1362 VA 1035 - VA 7020 VA 7015 - VA 7030 VA 4650 - VA 6001
Flux cored wire			LUBRIFIL VA 28 RC - VA 2009 VA 285 - VA 7221 ADDITIVE BG
Wire to be wet redrawn Mig welding wire Sub arc Staple wire Other fine sizes	Mechanical descaling or acid pickling	Multidraft	LUBRIFIL VA 2009 - VA 9052 VA 1035 - VA 7221 VA 6001 - VA 7181
		Before annealing	LUBRIFIL VA 8004 - VA 9001 VA 3600 - VA 7221
Concrete reinforcement wire Electrowelded wire fabric	Mechanical descaling	Indented wire	LUBRIFIL VA 8007 - VA 9000
		Smooth wire	LUBRIFIL VA 3600 - VA 1680 VA 4650 - VA 372
		Cold rolling	LUBRIFIL VA 376 - VA 377 VA 332 - VA 300

Low-medium carbon steel

For the manufacture of	Surface treatments	Dry drawing	Suitable lubrication
Cold heading quality wires	Acid pickling (phosphate coating)	Multidraft	LUBRIFIL VA 7006 - VA 4650 VA 7015 - VA 7021
		Single pass	LUBRIFIL VA 3180 - VA 1520 VA 1000 - VA 285 VA 10 - VA 1019
		Skin-pass annealed wire	LUBRIFIL VA 1520 - VA 1530 LUBRIOL V 635 - V 570
Dry redrawn wire	Drawn wire	Multidraft	LUBRIFIL VA 9001 - VA 7002 VA 6001 - VA 7003
	Galvanized wire Plated wire	Multidraft	LUBRIFIL VA 3507 - VA 4082 VA 6538 - VA 6539 VA 7001 - VA 7002
		Skin-pass	LUBRIOL 77 GREASE VE

High carbon steel

For the manufacture of	Surface treatments	Dry drawing	Suitable lubrication
Standard quality wires Mattress spring wire	Acid pickling (phosphate coating) or mech. descaling + salt coating (STEEFOR)	Multidraft	LUBRIFIL VA 705 - VA 3179 VA 779 - VA 4045 VA 803 - VA 2100 LUBRIFIL VA 7221 - VA 7222 VA 6001 - VA 7002
PC wire and strand Spring wire	Acid pickling (Phosphate coating)	Multidraft	LUBRIFIL VA 705 - VA 3179 VA 779 - VA 3180 LUBRIFIL VA 7221 - VA 7222 VA 6538 - VA 7223

High carbon steel

For the manufacture of	Surface treatments	Dry drawing	Suitable lubrication
Rope wire Fine size wires	Patenting, pickling and phosphate coating (in line)	Multidraft	LUBRIFIL VA 705 - VA 3179 VA 779 - VA 805 LUBRIFIL VA 7221 - VA 7001
Bead wire - Steel cord Hose wire - Saw wire	Acid pickling (phosphate coating)	Multidraft	LUBRIFIL VA 7001 - VA 7650 VA 8081 - VA 6001 LUBRIFIL VA 7015/3 - VA 12
Galvanized wire	Galvanizing	Multidraft	LUBRIFIL VA 3507 - VA 3504 VA 6538 - VA 6539 VA 7001 - VA 7002
A.S. wire	Aluminized	Multidraft	LUBRIFIL VA 3705 - VA 2007 VA 7090 - VA 7222

Stainless steel

For the manufacture of	Surface treatments	Dry drawing	Suitable lubrication
Standard quality wires Rope wire Spring wire Mig welding wire Electrode wire	Acid pickling and salt coating (STEEFOR)	Multidraft	LUBRIFIL VA 2000 - VA 2007 VA 779 - VA 780 VA 7001 - VA 7222
	Degreasing, annealing (in line) and salt coating (STEEFOR)	Multidraft	LUBRIFIL VA 7020 - VA 7001 VA 6001 - VA 7222
	Annealing	Skin-pass	LUBRIOL INOX 86 - INOX 100 INOX 99 - INOX 509 INOX 44 - INOX M 3
Cold heading quality wire	Acid pickling and salt coating (STEEFOR)	Multidraft	LUBRIFIL VA 7020 - VA 7001 VA 6001 - VA 7222
		Single pass	LUBRIFIL VA 1018 - VA 1500 VA 7020 - VA 1520 LUBRIOL INOX 77 - INOX 86 INOX 99 - INOX 100

Stainless steel

For the manufacture of	Surface treatments	Dry drawing	Suitable lubrication
Bars	Acid pickling or shot blasting + salt coating (STEEFOR)	Single pass	LUBRIOL INOX 86 - INOX 99 INOX 40 - INOX 62

Wet drawing

For the manufacture of	Use	Suitable lubrication
Mig welding wire Staple wire	4 - 10% of oil into water	LUBRIOL V 795 - V 688 V 348 - V 325 V 340 - V 799
Galvanized wire - Rope wire Copper plated wires	2 - 10% of oil into water	LUBRIOL V 727 - V 728 V 750 - V 740
Steel cord - Hose wire	6 - 12% of oil into water	LUBRIOL LMZ 10 - LMZ 15 LMZ 20 - LMZ 30
Stainless steel wire	Pure as supplied	LUBRIOL V 790/5 - V 790/7 INOX 509

Copper

For the manufacture of	Use	Suitable lubrication
Rod breakdown	10 - 15% of oil into water	LUBRIOL CU 55 - CU 60 CU 390 - CU 400
Intermediate and fine diameters	4 - 8% of oil into water	LUBRIOL CU 390 - CU 400 CU 55 - CU 800
Fine and superfine diameters	1 - 4% of oil into water	LUBRIOL CU 390 - CU 420 CU 55 - CU 800

Inhibitors

For the pickling of	Type of acid	Temperature	Suitable inhibitor
Low, medium and high carbon steel	Sulphuric acid	40-70 °C	LM 6535 - LM 6536 LM 6537 - LM 6538
	Hydrochloric acid	20-40 °C	LM 7 - LM 8
Stainless steel	Hydrofluoric acid	25-50 °C	LX 1 - LX 2

Phosphating and lubricant carriers

Application	Remarks	Suitable product
Phosphate coating	Batch treatment	FOSFIL FRS - FRC - FRF
	In line treatment	FOSFIL FRL - FRL 9
Soap coating	Batch treatment	LUBRIFIL 222 - 555 - 999
Salt coating	Stainless steel	STEELFOR 7030 - 7050 ITS 2 - ITS 3
	Carbon steel	STEELFOR ITS 2 - ITS 21 P 1 - NC 3
Special additives	Additives for copper coating	CUPROFIX - CATALIX
	Wiping agents for galvanized wire (charcoal)	ZINCODUE - ZINCOQUATTRO ZINCOSEI - ZINCOSETTE
	Special formulations to meet specific Customer's requirements	ADDITIVE LM (range)
	Anti-corrosive agents and dewatering fluids	ANTICOR (range)

Metalworking and other treatments

Application	Remarks	Use	Suitable product
Cold heading and extrusion	Carbon steel Alloyed steel	Pure as supplied	LUBRIOL E02 - E03 E04 - E05
	Stainless steel	Pure as supplied	LUBRIOL E029 - E020 E002
Metal-machining	Cutting, grinding	2 - 6% into water	LUBRIOL OT501 - OT502 OT503
	Turning, milling, broaching	4 - 8% into water	LUBRIOL GV602 - GV603 GV604 - GV606
	Threading, drilling	5 - 10% into water	LUBRIOL GV602 - GV603 GV604 - GV606
Vibrofinishing and other treatments	Degreasing, pickling, vibrofinishing	2 - 5% into water	LUBRIFIL VFP - VFP3 VFE LUBRIOL VFS - VFS5
	Finishing, passivation, polishing	2 - 4% into water	LUBRIOL VB90 - VB92 VB105
	Grinding, rust-inhibition	4 - 6% into water	LUBRIOL GV6 - GV603 - GV4 VIBIVAL N3 - N7 - N9



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