

TUBE COLD FORMING

SELECTION GUIDE

FOR TUBE & BAR



CONDAT:

An extensive product range covering all applications

Condat develops, manufactures, and markets a global offer for Hot and Cold forming of Tubes, including rolling, drawing, and corrosion protection for all materials.

Taking advantage of its expertise in metal die casting, wire drawing and metal working, CONDAT has developed innovative speciality lubricants under the brand name CONDATUB, COLLUBE, VICAFIL and CONDAPROTECT.

** The list of lubricants below is not exhaustive but only an extract of our range.
Thank you to contact us for further information.

CONDATUB Range

Taking advantage of its expertise in cold drawing and cold forming, CONDAT offers an extensive range of products including surface treatments, water soluble concentrates, drawing oils, pastes, forming gels and rust protection products to fulfill the requirements of its customers.

The lubricants of the range « metal cold forming » assists in the following processes : rolled & welded tubes, pilger rolling, single and double pass drawing, forming, profiling...including anti rust protection.

LUBRICANTS FOR ROLLED & WELDED/PILGERING

		Carbon Steel	Stainless Steel	Copper & Alloys	Aluminum	Zirconium	
ROLLED AND WELDED	Solubles	CONDATUB SL 498	•	•	•		Outstanding bio-stability and clean to use (high detergency).
		CONDATUB SL 500	•	•	•		Evolution of CONDATUB SL 498 bringing enhanced anti corrosion protection.
		CONDATUB SL 550	•	•	•		Soluble High-Tech product for the most severe deformations. Aeronautic agreement, does not stain Aluminum
		CONDATUB SL 2868		•			High performance product with extreme pressure additives for the most difficult forming, while still leaving a clean finish. Good bio-stability.
		CONDATUB SL 919	•				Synthetic aqueous fluid, Chlorine and Boron free.
PILGER ROLLING	Solubles	VICAFIL T474 F2A CONDATUB SL 474 N	•			•	Pilger rolling of zirconium tubes (for nuclear applications).
		VICAFIL LM 47 NF CONDATUB SL 715	•	•	•	•	Versatile soluble for pilger rolling for Copper/Copper alloys as well as aluminum (intermediate & final passes).
		CONDATUB SL 919			•	•	Polishing soluble for zirconium tubes.
	Oils	CONDATUB TFH 1158			•	•	Lubricant for final processes and specific surface finish.
		CONDATUB TFH 1671 CONDATUB TFH 1672				•	High performance oil for difficult drawing.



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PROVIDING INNOVATION TO YOUR INDUSTRY

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SURFACE TREATMENTS & LUBRICANTS FOR DRAWING AND FORMING

		Carbon Steel	Stainless Steel	Copper & Alloys	Aluminum	Zirconium	
SURFACE TREATMENTS	Polymers	SUPRALUB 35	•	•	•	•	Self-lubricating coating based on polymers and soaps.
	Reactive soap	Collube 551	•				Reactive soap for drawing after phosphating.
		Collube 1890 W 1890 - W 1898	•				Reactive soap the most severe processes.
DRAWING	Neat Oils	CONDATUB TFH 813 CONDATUB TFH 81 CONDATUB TFH 1684	•	•			Drawing of bars & tubes incl. Phosphated steel. Semi-synthetic oil with no residues after heat treatment.
		CONDATUB TFH 1218 CONDATUB TFH 1167 CONDATUB TFH 1058		•	•		Versatile semi-synthetic oils for the drawing of tubes.
		CONDATUB TFH 1671 CONDATUB TFH 1672		•		•	Pilgering and drawing of stainless and specialty materials (including zirconium for nuclear applications).
		CONDATUB TFH 386 CONDATUB TFH 4002 CONDATUB TFH 2307		•	•		Synthetic oils with medium viscosity, leaving minimal residues after thermal treatment /annealing.
		CONDATUB TFH 2355		•	•		Medium viscosity, easy to clean drawing oil.
		CONDATUB TFH 920 CONDATUB TFH 4065 CONDATUB TFH 4321 CONDATUB TFH 4557 CONDATUB TFH HCB	•				Heavy duty drawing oils (EP additives) with different viscosities.
FORMING	Gels & Greases	CONDATUB TFG 4295 CONDATUB TFH 486	•				Heavy duty grease for heavy reduction / large diameters.
		CONDAFORM BG 1636	•	•	•		Tube forming - bending gel with high adhesion and easy to clean / remove residues.
		SP 1172		•			Tube forming - soluble paste with high lubricity and easy to clean/remove residus.
		TFG 4298		•	•		Viscous grease (without EP additives) for non-ferrous materials forming.
	Graphite dispersion	CONDATUB B 31	•	•			Cold forming of fittings by hydroforming or press.

Specific applications such as tube drawing for brass or copper alloys, require paste lubricants in order to avoid cross contamination between inner and outer lubricants, as the same product can be used in both pure and diluted form.



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