



Baraldi
THE **NEXT** RELEASE

HIGH PRESSURE DIE CASTING

LUBRICANTS CATALOGUE



**SAVE
THE
WATER**

2023

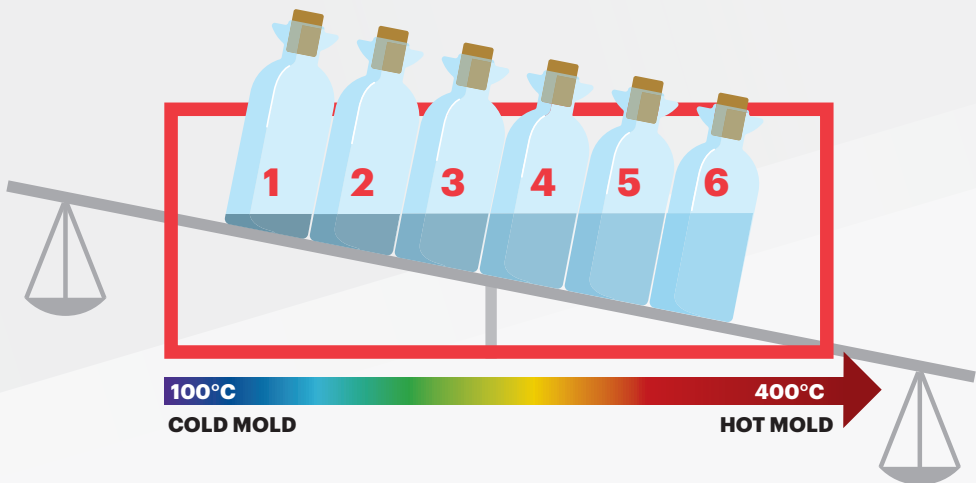
OPTIMIZATION GOAL

the right amount of die lubricant applied in the shortest possible time.

Let be guided towards the selection of the best **CASTING** Die Lube based on quality part's request, looking cooling, protection, lubrication, compaction power and cleanliness, roughness aspect



1 WATER FREE CONC.	2 WATER BASED CONC.	3 125 ml. AT 8%	4 250 ml. AT 4%	5 500 ml. AT 2%	6 1000 ml. AT 1%
Water 0g Die Lube 10g	Water 0g Die Lube 10g	Water 115g Die Lube 10g	Water 240g Die Lube 10g	Water 490g Die Lube 10g	Water 990g Die Lube 10g



Die Lubricants
by mean film at higher Temperature help to reduce the spray time

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DIE CASTING LUBRICANTS

PERFORMANCE
RATE

GOOD
●

BETTER
●●

BEST
●●●

ALUMINIUM



	TYPE OF CAST	PRODUCT NAME	COMPACTION Flow and antishrinkage power	COOLING Application efficiency	CLEANLINESS Die clean., surface finish	LUBRICATION Moving cores	SMOOTHNESS Casts surface smoothness	PROTECTION Die protection power
	HEAVY CASTS Engine blocks, big carters, automotive (high weight, over 8 Kg)	CASTING 095	●●	●●●●	●●●●	●●●●	●●	●●●●
		CASTING 011	●●●●	●●	●●●●	●●●●	●●	●●●●
		CASTING 820	●●	●●●●	●●●●	●●●●	●●	●●
	AVERAGE WEIGHT Pumps, valves, automotive (variable thickness, weight up to 8 Kg)	CASTING 078	●●	●●	●●●●	●●●●	●●	●●
	SMALL AND AESTHETIC CASTS Illumin., Household applian. (aesthetic parts, electr.engine housing)	CASTING 650	●●●●	●●	●●●●	●●●●	●●	●●●●
		CASTING 077	●●	●●	●●●●	●●●●	●●	●●
	HEATERS Heating radiators, other finned parts	CASTING 080	●●●●	●●	●●●●	●●●●	●●●●	●●●●
		CASTING 86	●●●●	●●	●●●●	●●●●	●●●●	●●●●
	LOW ROUGHNESS PARTS Casts with tracks for gaskets (low surface roughness)	CASTING 179	●●	●●●●	●●●●	●●●●	●●	●●
		CASTING 612	●●	●●●●	●●●●	●●●●	●●●●	●●
	STRUCTURAL - HIGH INTEGRITY CASTS Automotive structural parts, low porosity, high compactness	CASTING 176/179	●●	●●●●	●●●●	●●●●	●●	●●
		CASTING 55 M	●●	●	●●●●	●●●●	●●	●●
	MINIMAL APPLICATION PRODUCTS Products for Microdosing, water-free and water-based	CASTING 56	●●	●	●●●●	●●●●	●●	●●
		CASTING 835	●●	●	●●●●	●●	●●	●●

	TYPE OF CAST	PRODUCT NAME	COMPACTION Flow and antishrinkage power	COOLING Application efficiency	CLEANLINESS Die clean., surface finish	LUBRICATION Moving cores	SMOOTHNESS Casts surface smoothness	PROTECTION Die protection power
	WARM-UP LUBE Products for warm-up / start-up	WARM-UP LUBE 04	●●	●	●●●●	●●●●	●●	●●●●
		SPRAYLUBE TF 05	●●	●	●●●●	●●●●	●●	●●

	E-CAST Products for e-mobility	CASTING 650	●●●●	●●	●●●●	●●●●	●●	●●●●
		CASTING 048	●●	●●●●	●●●●	●●●●	●●	●●●●

MAGNESIUM

	TYPE OF CAST	PRODUCT NAME	COMPACTION Flow and antishrinkage power	COOLING Application efficiency	CLEANLINESS Die clean., surface finish	LUBRICATION Moving cores	SMOOTHNESS Casts surface smoothness	PROTECTION Die protection power
	WIDE SURFACES, THIN THICKNESSES Steering wheels, dashboards, big dimension casts	CASTING 077	●●	●●	●●●●	●●●●	●●	●●
		CASTING 176	●●	●●●●	●●●●	●●●●	●●	●●
	3C APPLIANCES Very thin thicknesses (laptop, phone, 3C)	CASTING 272	●●●●	●●	●●●●	●●●●	●●●●	●●●●

ZINC

	TYPE OF CAST	PRODUCT NAME	COMPACTION Flow and antishrinkage power	COOLING Application efficiency	CLEANLINESS Die clean., surface finish	LUBRICATION Moving cores	SMOOTHNESS Casts surface smoothness	PROTECTION Die protection power
	AVERAGE DIMENSION CASTS Valves, parts for rearview mirror, brake pumps	CASTING 24	●●	●●●●	●●	●●	●●	●●
		CASTING 23	●●	●	●●	●●●●	●●●●	●●
	SMALL PARTS Multicavities, low dimension casts	CASTING 573	●●	●	●●●●	●●	●●●●	●●

PISTON LUBRICANTS



PRODUCT	VISCOSITY	BASE / FILLER	PERFORMANCE
PISTOCAST 06		WATER BASED	GOOD
PISTOCAST 55		WATER BASED	BETTER
PISTOCAST 60	110	MINERAL	GOOD
PISTOCAST 09	450	MINERAL	GOOD
PISTOCAST 07	70	SYNTHETIC	GOOD
PISTOCAST 37	250	SYNTHETIC	GOOD
PISTOCAST 38	450	SYNTHETIC	GOOD
PISTOCAST 19	180	SYNTHETIC	BETTER
PISTOCAST 16	280	SYNTHETIC	BETTER
PISTOCAST 26	450	SYNTHETIC	BETTER
PISTOCAST 57	95	SYNTHETIC	BEST
PISTOCAST 50	280	SYNTHETIC	BEST
PISTOCAST 48	450	SYNTHETIC	BEST
PISTOCAST 24	280	SYNTHETIC + GRAPHITE	BEST
PISTOCAST 08	500	MINERAL + GRAPHITE	BEST
PISTOCAST 52	SOLID	WHITE	BETTER
PISTOCAST 53	SOLID	BLACK	BEST

PERFORMANCE RATE:

GOOD
Regular additivation

BETTER
Hi-Quality additivation to improve Plunger life

BEST
TOP Additivation to achieve results as Graphite with cleanest application

AUXILIARY LUBRICANTS & LIQUID ADDITIVES



LIQUID AUXILIARIES

PRODUCT NAME	APPLICATION	TYPE OF PRODUCT	CHARACTERISTICS OF THE PRODUCT
B-TECH HV 68	HYDRAULIC FLUID	MINERAL BASE	Very high anti-wear power. Elevated Viscosity Index.
B-TECH HFDU 46 B-TECH HFDU 68	HYDRAULIC FLUID	SYNTHETIC BASE	Safety products, fire retardant. HFDU Class. Viscosities 46 and 68 cSt at 40°C.
B-TECH LUBE 01	TRIMMING PRESS LUBRICANT	MINERAL BASE, CARRIER: MINERAL	Product for general purpose.
B-TECH TOGGLE 01, 02, 03	LUBRICANT FOR TOGGLES / GENERAL LUBRICATION	MINERAL BASE	Elevated adhesive/antidripping power. Viscosity (cSt at 40 °C): 2101 = 200 cSt; 2102 = POL/EP/2 = 450 cSt; 2103 = 320 cSt.
B-TECH QUENCH 02, 04	ADDITIVE FOR QUENCHING OF ALUMINIUM CASTS	SYNTHETIC BASE, CARRIER : WATER	Facilitates the dripping of the piece, leaving a protective / anticorrosive film on Aluminium.
B-TECH PROTECTIVE 80	OILY PROTECTIVE FOR MOLDS AND PLATENS	MINERAL BASE	Protects the mold during storage and the platens from corrosion. Dewatering action.

B-TECH CLEANERS



PRODUCT NAME	APPLICATION	TYPE OF PRODUCT	CHARACTERISTICS OF THE PRODUCT
B-TECH CLEANER 03	DETERGENTS FOR LUBRICATING SPRAYERS AND MOLDS	SYNTHETIC BASE	Quick action in removing deposits and fouling from sprayers and nozzles and from the surface of the mold. Environmentally friendly product.
B-TECH CLEANER 07	DETERGENTS FOR LUBRICATING SPRAYERS AND MOLDS	SYNTHETIC BASE, AQUEOUS EMULSION OF CLEANER 2103	Quick action in removing deposits and fouling from sprayers and nozzles and from the surface of the mold.
B-TECH CLEANER 13	DETERGENT/ ANTISCALE FOR LUBRICATING PLANTS/PIPING	COMPLEX MIXTURE OF DETERGENTS AND SANITIZING AGENTS	Removes scale, deposits and biofilm from tanks and pipes where diluted emulsions circulate.
B-TECH CLEANER 21	DETERGENT/ ANTISCALING FOR MOLDS	COMPLEX MIXTURE OF ALKALY DETERGENTS	Remove scale and soldering from the mold. Suitable for ultrasonic cleaning.
B-TECH CLEANER 33	DETERGENT/ ANTISCALING FOR MOLDS	COMPLEX MIXTURE OF ALKALY DETERGENTS	Remove scale and soldering from the mold. Suitable for ultrasonic cleaning.
B-TECH ANTIFOAM 02	ANTIFOAM ADDITIVES FOR VACUUM DISTILLER	DISPERSIBLE IN WATER	To be added to the vacuum evaporators. Silicone base.
B-TECH ANTIFOAM 03	ANTIFOAM ADDITIVES FOR VACUUM DISTILLER	DISPERSIBLE IN WATER	To be added to the vacuum evaporators. Non Silicone base.

SOLID AUXILIARIES



PRODUCT NAME	APPLICATION	TYPE OF PRODUCT	CHARACTERISTICS OF THE PRODUCT
B-TECH PASTE 01	PASTE FOR START-UP	MINERAL BASE, PIGMENTS: GRAPHITE, ALUMINIUM	High consistency even at melted state, very high releasing power.
B-TECH PASTE 02	LUBRICATING PASTE FOR EJECTOR PINS	MINERAL BASE, PIGMENT: COPPER	Elevated thermal withstanding. Infusible.
B-TECH PASTE 06	LUBRICATING PASTE FOR VERY HIGH TEMPERATURE	SYNTHETIC BASE, PIGMENT: GRAPHITE	High performance. Resists at very high temperature, anti-sticking and anticorrosive protection.
B-TECH GREASE 10	PROTECTIVE GREASE	MINERAL BASE	Antirust protective. Also suitable for very high temperature. Water-repellent action. It also applies on existing rust.
B-TECH DEMETAL 00	ANTISOLDERING PASTE	MINERAL BASE, PIGMENT: GRAPHITE	Prevents and remove soldering on the mold. Non hazardous for users.
B-TECH DECAL 03, 10, 11	LADLE COATING	MINERAL BASE, PIGMENT: CERAMIC	Antiadhesion coating for ladles and foundry tools.

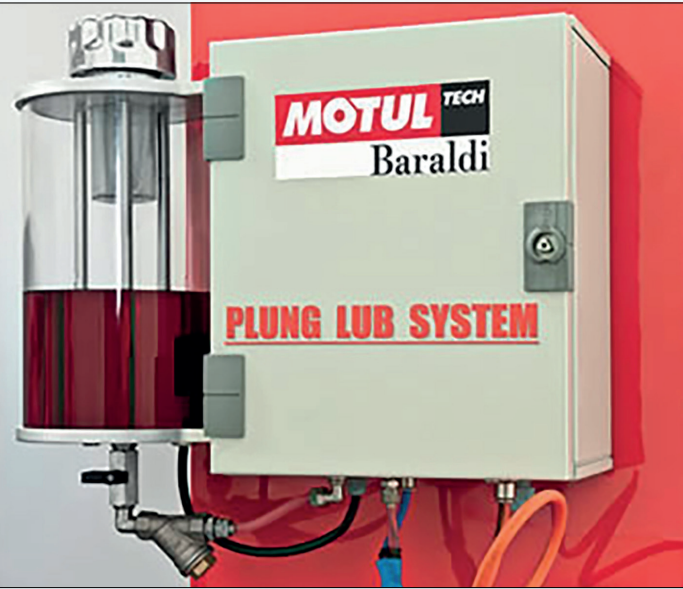


SPRAY CAN LUBRICANTS

PRODUCT NAME	APPLICATION	TYPE OF PRODUCT	CHARACTERISTICS OF THE PRODUCT
SPRAYLUBE TF/05	LUBRICATING RELEASE AGENT USED FOR WARM-UP, START-UP AND AS A REINFORCE	SYNTHETIC, NON FLAMMABLE	To replace greases and pastes. Also used as a reinforce on pins, cores, overstressed parts in running condition.
SPRAYLUBE BN	LUBRICATING RELEASE AGENT WITH SOLID PIGMENTS	MICRONIZED BORUM NITRATE, FLAMMABLE!	For ejector pins. Used for assembling.
SPRAYGRAPH G/30	LUBRICATING RELEASE AGENT WITH SOLID PIGMENTS	MICRONIZED GRAPHITE, FLAMMABLE!	For dry lubrication, used as preparation of the die surface. To be applied on cold surface !

EQUIPMENTS

EQUIPMENT NAME	DESCRIPTION	CHARACTERISTICS
CASTO-MIX 0540	CASTO-MIX 0540 IS A COMPLETE SUPPLY UNIT FOR RELEASE AGENT. It dilutes, stores and pumps the ready-to-use release agent to the lubricating sprayer. It can feed 20 to 100 liters/min depending on the operating pressure.	-Accurate dosing equipment -125 liters AISI 304 Stainless Steel waiting tank -MK5/8" Pedrollo pump -Inverter for accurate setting of outlet pressure
PLUNG LUB SYSTEM	DOSING EQUIPMENT FOR PISTON LUBRICANT. Compact and easy to install, it guarantees perfect constancy of volume dosage. Working either with air (spray application) or as airless (drip application).	-Transparent container -Volumetric dosage, pneumatically driven -Filters, one way valves -Air spray or airless application





COMMITTED TO SUSTAINABLE HPDC PROCESS



Baraldi

THE NEXT RELEASE

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