

Ahead in the race!

Special Steels and Superalloys for Motorsport



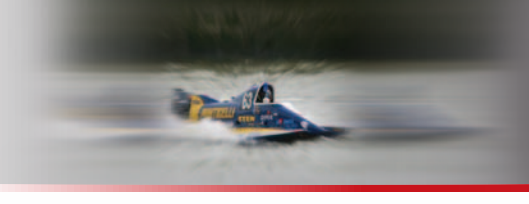
Within Eramet Alloys, Aubert&Duval and Erasteel offer the widest range of metallurgical solutions to meet your extreme and exacting requirements.



Eramet Alloys is a key and continuously innovative supplier for all demanding motorsport: Formula 1, WRC, INDYCar, MotoGP...



Leveraging its fully integrated production line, Eramet Alloys designs, melts and converts its own materials.



Underpinned by its production capabilities and worldwide sales network, Eramet Alloys is committed to innovation, quality and service for the most demanding industries.

A Dedicated and Complete Offering

	Designations				Melting Route			Main Applications						
	AFNOR	WL	AISI - UNS - JIS - OTHERS	AMS	Air melt	Special melt**	Powder Metallurgy	Camshafts	Crankshafts	Gears	Drive shafts	Conrods	Fasteners	Others
ENGINEERING STEELS														
Nitriding														
MOC2	42CrMo4	1.7225*			•									
GK3	31CrMo12	1.8564			•									
GKH	33CrMoV12-9		K24340	6481	•	•								
GKP	32CrMoV5		K23280	6496 / 6497 / 6498	•	•								
GH4	40CrMoV13-9	1.8523*			•									
Carburizing														
FADH	14NiCrMo13-4	1.6657			•									
FDG	20NiCrMo13	1.6660*	K41910	6492 / 6493	•	•								
FND	15NiMoSiCr10		K51570	6494		•								
Through hardening														
BMV4	40CrMoV20	1.7784	T20811	6487	•	•								
FDMA	30NiCrMo16				•									
819B	36NiCrMo16	1.6773*			•									
819AW	35NiCrMo16					•								
NC40SW	40NiSiCrMo7		K44220	6417 / 6419		•								
NC40M	41NiCrMo7-3-2	1.6563*	4340 - G43400	6359 / 6414 / 6415	•	•								
V300	45SiCrMo6				•									Springs
NC310YW	40SiNiCrMoV10		K54015	6499		•								
ML340	X23NiCoCrMoAl13-6-3					•								
MARVAL 18	X2NiCoMo18-8-5	1.6359	K92890 - MARAGING 250	6512		•								Tappets
MY19	X2NiCoMo18-9-5	1.6354	K93120 - MARAGING 300	6514		•								Axles Torsion bars
RA50YW	80MoCrV42-16	1.3551	T11350 - M50	6491		•								Bearings
Specialties														
GD223	X60NiMnCr13-5-3				•									Axles, piston rings, bushings

TOOL STEELS

ADC3	X36CrMoV5-1	1.2340	~H11		•									
SRV2W	X110CrMoV8-2					•								
ASP® 2012	PMHS 2-2-2	1.3397					•							
ASP® 2017	PMHS 3-3-1-8	1.3288					•							
ASP® 2005	PMHS 3-3-4	1.3377					•							
ASP® 2009	PM V9%						•							
ASP® 2023	PMHS 6-5-3C	1.3395					•							Tappets
ASP® 2004	PMHS 6-5-4	1.3361					•							
ASP® 2062	PM M62						•							Bearings
ASP® 2060	PMHS 7-7-7-11	1.3292					•							Wear parts

SUPERALLOYS

PER 625	NiCr22Mo9Nb	2.4856*	N06625 - INCO 625	5666		•								Exhaust line
PER 718	NiCr19Fe19Nb5Mo3	2.4668*	N07718 - INCO 718			•								

STAINLESS STEELS

Martensitic														
56T5	X19CrMoNbVN11-1	1.4913			•									Pistons
XD16N	X50CrSiMnVN16-1		S42716	5926	•									Pistons
XD15NW	X40CrMoVN16-2	1.4123*	S42025	5925		•								Wear parts
Austenitic														
XN26TW	X6NiCrTiMoVB25-15-2	1.4944	S66286 - A286	5731 / 5732		•								
Structural hardening														
MLX17	X1CrNiMoAlTi12-11-2	1.4612	S11100	5937		•								
MLX19	X1CrNiMoAlTi11-12-2		S11902	5938		•								
MARVAL X12H	X1CrNiMoAlTi12-10-2	1.4596*		AMS5935		•								

ASP® is a registered trademark of Erasteel.

* Corresponds to an AFNOR numerical designation

** Special melt: Air melt or VIM + ESR or VAR - VIM: Vacuum Induction Melting - ESR: Electro-Slag Remelting - VAR: Vacuum Arc Remelting

Shapes and Dimensions

Products	Diameter or Thickness	Width / Length
• Round bars, Wire	Ø 0.6 → 900 mm	
• Flat & Square Bars	≤ 170 mm	W. ≤ 400 mm
• Flat & Square Bars	170 → 210 mm	W. 40 → 1050 mm
• Flat & Square Bars	210 → 700 mm	W. 400 → 1050 mm
• Bars or Blanks pre-hardened M2 or ASP® (LINEA™)	Ø 0.7 → 3.4 mm	L. ≤ 2 m
• Cold rolled strips	0.4 → 4 mm	W. 6.35 → 85 mm
• Sheets & Plates	0.6 → 150 mm	1000 x 2000 mm (→ 4000)
• Closed-die forging parts		
• PM Near-Net Shape components		
• Bimetal components		
• Gas atomized Powders		
• Castings		

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