

A close-up, low-angle shot of a firefighter's helmet. The helmet is white with a black visor. The Marcegaglia logo, a stylized 'M' inside a square, is visible on the side of the helmet. Below the logo, the text 'MARCEGAGLIA' and 'FOS-SUR-MER' are printed. The visor is reflective, showing a distorted view of the surroundings, which appear to be a fire scene with orange and yellow flames. The lighting is dramatic, with strong highlights and shadows.

MARCEGAGLIA
FOS-SUR-MER

DRIVING CHANGE

Fos-sur-Mer plant

MARCEGAGLIA
FOS-SUR-MER



Embracing innovation
and responsibility,
we are building
a brighter future
for the steel industry
and creating
solutions to meet
the challenges
of today and tomorrow

A STRATEGIC INTEGRATION FOR **SUSTAINABLE GROWTH**

In 2024, Fos-sur-Mer became part of the Marcegaglia Group, enabling it to meet around **30% of its carbon steel requirements** while remaining committed to **green and sustainable production practices**, thus better serving its clients.

Utilizing advanced technologies and optimizing processes, the plant strengthens its capabilities and has gained recognition as a **Project of Major National Interest** (PINM - Projet d'Intérêt National Majeur) from the French government, highlighting its significance.

En 2024, Fos-sur-Mer est devenu membre du groupe Marcegaglia, ce qui lui permettra de satisfaire environ 30 % de ses besoins en acier au carbone tout en restant engagé dans des pratiques de production vertes et durables, servant ainsi mieux ses clients.

*En utilisant des technologies avancées et en optimisant les processus, l'usine renforce ses capacités et a obtenu la reconnaissance en tant que **Projet d'Intérêt National Majeur (PINM)** de la part du gouvernement français, soulignant son importance.*

1,010,000

M² SURFACE AREA

200,000

T/Y PRODUCTION CAPACITY

1973

DATE OF CONSTRUCTION

473

EMPLOYEES
(323 DIRECT, 150 CONTRACTORS)



SYNERGIES IN LOGISTICS

Marcegaglia Fos-sur-Mer is strategically located within the industrial landscape of Marseille, in the **Marseille-Fos Port**, the largest port in France and the Mediterranean.

This advantageous positioning significantly enhances the company's **supply and logistics capabilities**, providing convenient **maritime access**, robust **railway connectivity**, and efficient **road routes**.

Together, these elements optimize distribution processes and streamline operations, enabling a swift response to market demands and ensuring timely delivery of products.

*Marcegaglia Fos-sur-Mer est stratégiquement situé dans le paysage industriel de Marseille, dans le **port de Marseille-Fos**, le plus grand port de France et de la Méditerranée.*

*Cette position avantageuse améliore considérablement les **capacités d'approvisionnement et de logistique** de l'entreprise, offrant un **accès maritime** pratique, une **connectivité ferroviaire** robuste et des itinéraires routiers efficaces.*

Ensemble, ces éléments optimisent les processus de distribution et rationalisent les opérations, permettant une réponse rapide aux demandes du marché et garantissant une livraison ponctuelle des produits.

*Leveraging THIS
PRIME LOCATION,
we enhance
our networks
and ensure
TIMELY DELIVERY
TO MEET MARKET
DEMANDS*

AN EFFICIENT RAW MATERIAL MANAGEMENT

Marcegaglia Fos-sur-Mer is ideally positioned for a diverse range of industrial activities, benefiting from its **strategic location**. The plant actively collaborates with **local suppliers and partners** to establish a procurement process that is both efficient and responsible.

This strong network not only enhances the facility's production capabilities but also fosters a culture of innovation in material utilization. By prioritizing these partnerships, the organization aligns its efforts with broader **environmental and economic objectives**, contributing to sustainable development while meeting the needs of its clients.

*Marcegaglia Fos-sur-Mer est idéalement positionné pour une gamme diversifiée d'activités industrielles, bénéficiant de sa **localisation stratégique**. L'usine collabore activement avec des **fournisseurs et des partenaires locaux** pour établir un processus d'approvisionnement à la fois efficace et responsable.*

*Ce solide réseau améliore non seulement les capacités de production de l'établissement, mais favorise également une culture d'innovation dans l'utilisation des matériaux. En priorisant ces partenariats, l'organisation aligne ses efforts sur des **objectifs environnementaux et économiques** plus larges, contribuant au développement durable tout en répondant aux besoins de ses clients.*

we OPTIMIZE
resource
management
and Pave
THE WAY FOR
CUTTING-EDGE
SOLUTIONS IN
OUR INDUSTRY

LEADING THE STEEL INDUSTRY

MODERNIZATION

OF FACILITIES

JOB

CREATION

EXPANSION

TO 3 MILLION TONS/YEAR BY 2028

DIVERSIFICATION

INTO CARBON AND STAINLESS STEEL COILS

LOW CO₂ EMISSIONS

THROUGH ELECTRIC ARC FURNACES (EAF)

STEEL PRODUCTION

NATIONALLY ENHANCED

INDEPENDENCE

INDUSTRALLY ACHIEVED

Marcegaglia is Italy's leading industrial group in the national and international steel sector, processing steel for over sixty years.

The project for the Fos-sur-Mer plant will significantly increase production. In addition to the current **150-200 thousand tons/year from the ingot route**, Phase 1 will add **1.8-2 million tons/year of hot rolled coils**. In Phase 2, total production is expected to reach around **2.8 million tons/year of hot rolled coils**, bringing the **overall production capacity to 3 million tons**.

Marcegaglia est le premier groupe industriel d'Italie dans le secteur de l'acier national et international, transformant l'acier depuis plus de soixante ans.

*Le projet pour l'usine de Fos-sur-Mer augmentera considérablement la production. En plus des actuels **150-200 milliers de tonnes/an** provenant de la voie lingots, la Phase 1 ajoutera **1,8 à 2 millions de tonnes/an de coils laminés à chaud**. Dans la Phase 2, la production totale devrait atteindre environ **2,8 millions de tonnes/an de coils laminés à chaud**, portant la capacité de production globale à **3 millions de tonnes**.*

A VISION FOR THE FUTURE

OUR SITE WILL BE TRANSFORMED WITH A FOCUS ON SUSTAINABILITY AND ENERGY EFFICIENCY, PRODUCING STEEL FROM SCRAP AND LOW-EMISSION DIRECT REDUCED IRON. HOT ROLLED COILS PRODUCTION IS SCHEDULED TO START BY 2028



TODAY

- 1. CURRENT STEEL MILL
- 2. ROLLING MILL & BAR FINISHING
- 3. WIRE MILLS
- 4. WIRE FINISHING

AUJOURD'HUI

- 1. ACIÉRIE ACTUELLE
- 2. LAMINOIR & PARACHEVEMENT BARRES
- 3. TRAIN À FIL
- 4. PARACHEVEMENT FILS

BY 2028

- 5. SCRAP
- 6. NEW STEEL MILL
- 7. CONTINUOUS CASTING
- 8. SLAB REHEATING FURNACES
- 9. HOT ROLLING MILL
- 10. COILERS
- 11. FINISHED PRODUCTS

D'ICI 2028

- 5. FERRAILLES
- 6. NOUVELLE ACIÉRIE
- 7. COULÉE CONTINUE
- 8. FOURS DE RÉCHAUFFAGE DES BRAMES
- 9. LAMINOIR À CHAUD
- 10. BOBINEUSES
- 11. PRODUITS FINIS

INVESTING IN A GREENER TOMORROW

Producing steel from **scrap** and “**Green DRI**” targets an **80% reduction in greenhouse gas emissions** compared to traditional methods, highlighting dedication to the environment and a sustainable future.

Additionally, Marcegaglia supports the **Gravithy** project, which will establish a low-carbon iron plant in Fos-sur-Mer to produce Direct Reduced Iron (DRI) and Hot Briquetted Iron (HBI) to aid its decarbonization efforts.

Produire de l'acier à partir de ferrailles et de «DRI vert» vise à réduire de 80 % les émissions de gaz à effet de serre par rapport aux méthodes traditionnelles, soulignant l'engagement envers l'environnement et un avenir durable.

De plus, Marcegaglia soutient le projet Gravithy, qui établira une usine de fer à faible émission de carbone à Fos-sur-Mer pour produire du fer réduit direct (DRI) et du fer briqueté à chaud (HBI) afin d'aider ses efforts de décarbonisation.

-80% GREENHOUSE GAS

PRODUCING STEEL FROM SCRAP AND “GREEN DRI”

DIRECT EMISSIONS

SCOPE 1: EAF IS 10 TIMES MORE EFFICIENT THAN BOF

ELECTRICITY

SCOPE 2: MOST FRENCH ELECTRICITY IS FROM NUCLEAR AND HYDROPOWER SOURCES

INDIRECT CO₂

SCOPE 3: EMISSIONS ARE PRIMARILY DRIVEN BY ALLOYING ELEMENTS

VALUES IN ACTION

Over **7,800 employees** on **4 continents**: that's the Marcegaglia family.

Over the years, the Group has increasingly focused on a corporate culture that values people's **growth, health, well-being**, and **safety**.

Similar attention has been given through the activities of the **Marcegaglia Foundation**, the innovative corporate museum **Casa Marcegaglia**, and **Marcegaglia Academy**.

Plus de 7 800 employés sur 4 continents : c'est la famille Marcegaglia.

*Au fil des ans, le groupe s'est de plus en plus concentré sur une culture d'entreprise qui valorise la **croissance**, la **santé**, le **bien-être** et la **sécurité** des personnes.*

*Une attention similaire a été accordée à travers les activités de la **Fondation Marcegaglia**, le musée d'entreprise innovateur **Casa Marcegaglia**, et **Marcegaglia Academy**.*



DOWNLOAD OUR
SUSTAINABILITY
REPORT

BY UNITING
OUR STRENGTHS,
WE PAVE
THE WAY FOR
NEW IDEAS AND
RESPONSIBLE
DEVELOPMENT

FORGING PRECISION IN STEEL MANUFACTURING

At Marcegaglia Fos-sur-Mer, the steel manufacturing process is driven by a commitment to **precision** and **innovation**.

From the initial stages of **steel making** to the **hot rolling of bars and billets**, and culminating in the **final finishing** and **wire rod rolling**, every phase is executed with meticulous attention to detail.

This dedication ensures that the end products not only meet industry standards but also stand out for their reliability and performance.

*Chez Marcegaglia Fos-sur-Mer, le processus de fabrication de l'acier est guidé par un engagement en faveur de la **précision** et de l'**innovation**.*

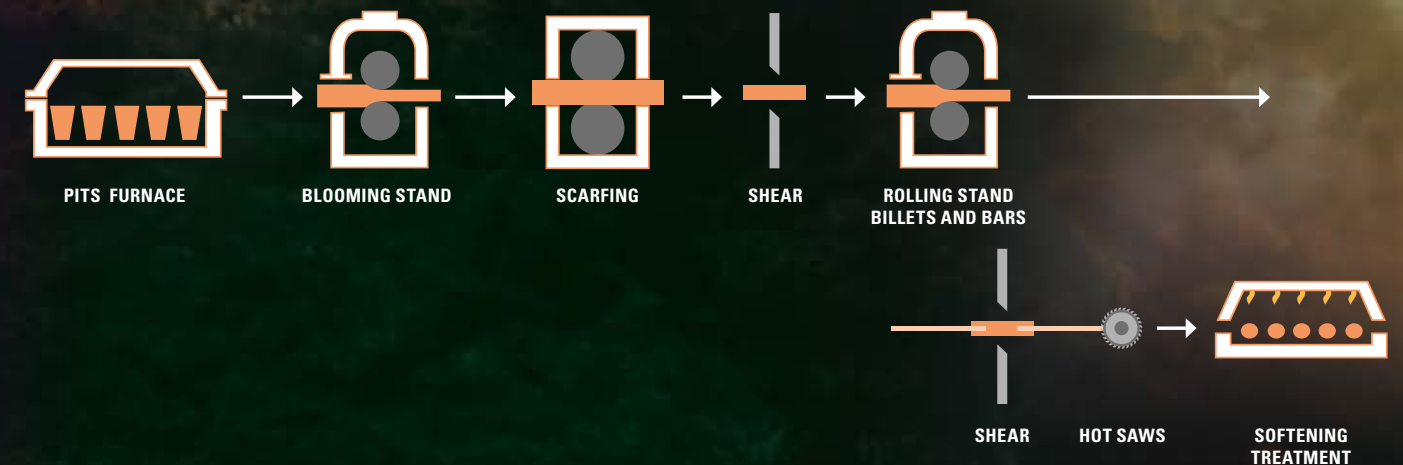
Des premières étapes de la fabrication de l'acier au laminage à chaud des barres et des billettes, en passant par la finition finale et le laminage du fil machine, chaque phase est exécutée avec une attention méticuleuse aux détails.

Ce dévouement garantit que les produits finis ne répondent pas seulement aux normes de l'industrie, mais qu'ils se distinguent également par leur fiabilité et leurs performances.

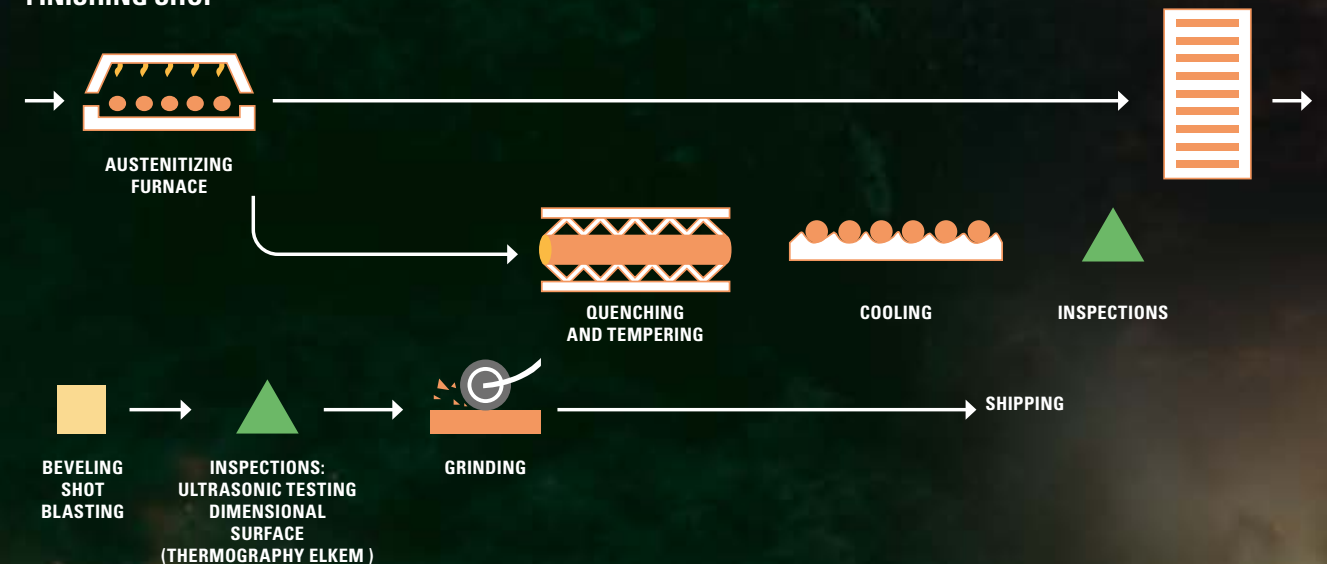
STEELMAKING SHOP



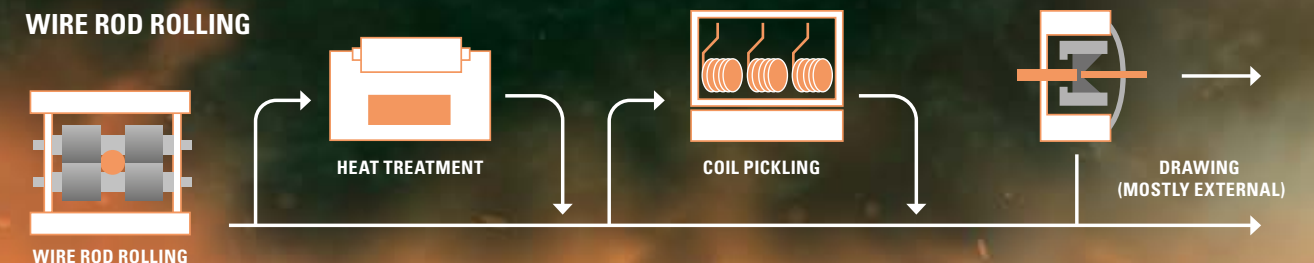
HOT ROLLING BARS AND BILLETS



FINISHING SHOP



WIRE ROD ROLLING



A VERSATILE PRODUCT OFFERING

The company offers a diverse product range tailored to the steel industry's needs, including bearings, forging, mechanical engineering, energy, oil & gas, defense, railway, and automotive.

L'entreprise propose une gamme de produits diversifiée adaptés aux besoins de l'industrie sidérurgique, notamment roulements, forge, construction mécanique, énergie, pétrole et gaz, défense, chemin de fer et automobile.

Ingots *Lingots GBH (Grande Base en Haut)*

FEASIBILITY: 5.3 t – 6.2 t – 7.5 t – 10.4 t (square)



Billets *Billettes*

FEASIBILITY: 70x70 to 205x205 mm²
LENGTH: 3 to 12 m
TOLERANCE: ±1% to ±3% of the section
IN THE PROCESS OF STUDY: ≥ 30 mm



Blooms *Blooms*

FEASIBILITY: up to 600 mm (rectangle)
206x206 to 400x400 mm² (square)
LENGTH: 3 to 12 m
TOLERANCE: ±1% to ±3% of the section



Rectangular rolled blooms *Targets ou blooms rectangulaires*

FEASIBILITY: 70 to 600 mm
LENGTH: 3 to 12 m depending on the section



Large-diameter rolled rounds bars *Barres rondes de grand diamètre*

FEASIBILITY: Ø 80 to Ø 325 mm
LENGTH: 3 to 12 m
IN THE PROCESS OF STUDY: < 80 and ≥ 325 mm



Wire rod *Fil machine*

FEASIBILITY: Ø 5,0 to Ø 32 mm
TOLERANCE: +0.20 / -0.20 mm or ±1%



Drawn wire *Fil tréfilé*

FEASIBILITY: 1 to 22 mm



BEARINGS MARKET

Marcegaglia Fos-sur-Mer offers a **complete range of steels** that meet the requirements of specifications for various **bearing** applications.

This offering includes **through-hardening steels**, which ensure high durability and resistance. Additionally, **case-hardening** and **carbonitriding steels** are available to enhance surface properties. Lastly, the range also includes carbon steels specifically designed for **surface quenching**, ensuring optimal performance under the most demanding conditions.

*Marcegaglia Fos-sur-Mer propose une **gamme complète d'aciers** répondant aux exigences spécifiques des diverses applications de roulement.*

*Cette offre comprend des **aciers trempés dans la masse**, qui assurent une durabilité et une résistance élevées. De plus, des **aciers de cémentation et de carbonitruration** sont disponibles pour améliorer les propriétés de surface. Enfin, la gamme inclut également des aciers au carbone spécialement conçus pour la trempe superficielle, garantissant une performance optimale dans les conditions les plus exigeantes.*

Characteristics

- Excellent inclusion cleanliness
- Suitability for implementation
- Guarantee of service properties
- Adapted analytical approach
- Specific manufacturing process

Advantages

- Very good fatigue resistance
- Excellent endurance under Hertz pressure loads
- Resistance to high temperatures

Benefit

- Low dispersion of fatigue resistance results allowing for more precise sizing

Caractéristiques

- Excellente propreté inclusionnaire
- Aptitude à la mise en oeuvre
- Garantie des propriétés d'emploi
- Visée analytique adaptée
- Processus d'élaboration spécifique

Avantages

- Très bonne tenue à la fatigue
- Excellente endurance aux sollicitations sous pression de Hertz
- Résistance à des températures élevées

Bénéfice

- Faible dispersion des résultats de tenue en fatigue permettant un dimensionnement plus précis

Through-hardened steels*

EURONORM	W.-NR.	EN ISO 683-17	SAE / ASTM	JIS
100Cr6	1.3505	B1	52100	SUJ2
100CrMnSi6-4	1.3520	B3		
100CrMo7	1.3537	B5		SUJ4
100CrMo7-3	1.3536	B6		
100CrMo7-4	1.3538	B7		
100CrMnMoSi8-4-6	1.3539	B8		
100MnCrSi4-4		B2	A485 Grade 1	SUJ3
95CrMnSi6-6		B4	A485 Grade 2	
100CrMnMo5-5-2			A485 Grade 4	

Carburizing or carbonitriding steels**

EURONORM	W.-NR.	EN ISO 683-17	SAE / ASTM	JIS
17MnCr5		B23		
20MnCr5	1.7147	B24	8319	
18MnCrMo5			8219	
20MnCrMo4-2		B27	8019	
20MnCrNiMo5-3			8119	
16CrNiMo6	1.3531			
18CrNiMo7-6	1.6587	B30		
18NiCrMo5				
18NiCrMo14-6	1.3533	B31		
20NiCrMo2	1.6523	B28	8620	SNCM220
20NiCrMo7	1.3576	B29	4320H	SNCM420
14NiCr14 • 15NiCr13	1.5752		3311 • 3312	
32MnCrMo6-4-3	1.7910			

Carbon steels for surface hardening*/***

EURONORM	W.-NR.	EN ISO 683-17	SAE / ASTM	JIS
C56E2	1.1219	B40	1055	
70Mn4	1.1244	B42		

* Possibility to reduce sulfur.
** On request, other carburizing steels with Mn, Cr, Mo.
*** Possible addition of vanadium.

MECHANICAL ENGINEERING MARKET

we empower innovation
in mechanical
engineering with our
diverse range of carbon
and alloy steels,
exceeding national
and international
standards for every
application

Marcegaglia Fos-sur-Mer offers a comprehensive range of **carbon and alloy steels** for various applications in the **mechanical engineering** sector, ensuring compliance with **national and international standards**.

The available products include **non-alloy engineering steels** according to EN 10083-1 and 2, EN 10273, and EN 10025-2 and 3, suitable for various engineering contexts. Additionally, there are **case-hardening steels** (EN 10084), **through and surface hardening steels** (EN 10083-1 and 2), **nitriding steels** (EN 10085 / DIN 17211), and **high-chromium steels** (EN 10216-2). The range also features steels for various uses, including those for **pressure purposes** and **heat resistance**, compliant with EN 10273.

*Marcegaglia Fos-sur-Mer propose une gamme complète d'**aciers au carbone et alliés** pour diverses applications dans le secteur de la mécanique, garantissant le respect des **normes nationales et internationales**.*

*Parmi les produits disponibles, on trouve des **aciers de construction non alliés** selon les normes EN 10083-1 et 2, EN 10273, et EN 10025-2 et 3, adaptés à divers contextes de l'ingénierie. Il y a également des **aciers de cémentation** (EN 10084), des **aciers de traitements thermique et trempe superficielle** (EN 10083-1 et 2), des **aciers de nitruration** (EN 10085 / DIN 17211), et des **aciers à haut chrome** (EN 10216-2). La gamme inclut également des aciers pour applications diverses, y compris ceux pour **matériel sous pression et résistant à la chaleur**, conformes à la norme EN 10273.*

Non-alloy construction steels, according to European standards: NF EN 10083-1 and 2, NF EN 10273, NF EN 10025-2 and 3, and international standards.

ALLOY ELEMENTS	EURONORM	W.-NR.	UK	SPAIN	SWEDEN	USA	JAPAN
C	P250GH	1.0460	070M20		1450	SAE 1020	S20C
	C22	1.0402					S22C
	C35-C35E-C35R	1.0501	080M36	F.1130	1572	SAE 1035	
		1.1180	070M36	C35K	1550		S35C
		1.1181	40H5				
	C45-C45E-C45R	1.0503	080M46	F.1140	1672	SAE 1045	
		1.1191	070M46			SAE 1042	S45C
		1.1201	50M5			SAE 1043	
	C55-C55E-C55R	1.0535	070M55	F.1150	1655	SAE 1055	
		1.1203	50				S55C
		1.1209	EN9	C55K			
	S235JR	1.0037			1311	SAE 1009	
	S235J0	1.0114	40C	AE235C	1312	A284C	SM400B
	S235J2G3	1.0116				A284D	
C-Mn	S355JR	1.0045			2172	SAE 1518	SM4901
	S355J0	1.0553	50B	AE355B	2132	SAE A572	S5490B
	S355J2G3	1.0570	50C	AE355C		A678GrA	
						A441	
						A833	

Carburizing steels: Euronorm 10084. Steels with an adapted, reproducible analysis to best meet the conditions for thermo-chemical treatments and the usage conditions of the final part. Possibility to adapt the analysis based on machining implementation conditions (controlled inclusion steels) or forming. Fine-grained steels. High cleanliness inclusion steels to improve fatigue strength or resistance to pitting.

ALLOY ELEMENTS	EURONORM	W.-NR.	UK	SPAIN	SWEDEN	USA	JAPAN
Cr-Mo	18CrMo4 • 18CrMoS4	1.7243 • 1.7244	708H20	F.1550		SAE 4118	SCM418
	20MoCr4 • 20MoCrS4	1.7321 • 1.7323		F.1523			
Mn-Cr	16MnCr5 • 16MnCrS5	1.7131 • 1.7139	527M17 • 590M17	F.1516	2127	SAE 5115	SMNC420H
	20MnCr5 • 20MnCrS5	1.7147 • 1.7149				SAE 5120	
Ni-Cr	14NiCr11	1.5732		F.1540			
	15NiCr13	1.5752	655M13			SAE 3312	
	16NiCr4 • 16NiCrS4	1.5714 • 1.5715	637M17		2511	SAE 3115	
	17CrNi6-6	1.5918					
	20NiCr4				2512		
Ni-Cr-Mo	16NiCrMo13						
	18CrNiMo7-6	1.6587	820A16				
	18NiCrMo5						
	20NiCrMo2 • 20NiCrMoS2	1.6523 • 1.6526	805M20	F.1522	2506	SAE 8620	
	20NiCrMo7					SAE 4320	

Heat treatment steels (thermal + surface hardening): Euronorm: 10083-1 – 10083-2. Steels for mechanical construction suitable for hardening. These steels exhibit good toughness in the hardened and tempered state. A high machinability can be achieved by optimizing the microstructure and inclusion state.

ALLOY ELEMENTS	EURONORM	W.-NR.	UK	SPAIN	SWEDEN	USA	JAPAN
Cr-V	51CrV4	1.8159	755A51 • 735A50	F.1430	2230	SAE 6150	SUP10
	25CrMo4 • 25CrMoS4	1.7218 • 1.7213	708A25 708M25	CF510 F.222	2225	SAE 4130	SCM 420
Cr-Mo	40CrMo4					SAE 4140	SCM 420
	42CrMo4 • 42CrMoS4	1.7225	708M40 • 709M40	F.1252	2244	SAE 4140 • SAE 4142	SCM 4404
	50CrMo4	1.7228	708A140 • M50			SAE 4150	
Ni-Cr-Mo	30CrNiMo8	1.6580	823M30				SNCM431
	30NiCrMoV10					SAE 4330V	
	34CrNiMo6	1.6582	817M40		2541	SAE 4340	SNCM447
	36NiCrMo16	1.6773	835M30				
	39NiCrMo3						
	40NiCrMo7	1.6565		F.1272			SNCM439
	40NiCrMo10	1.6745	826M40				

Nitriding steels: Euronorm 10085 / DIN 17211. Steels suitable for nitriding treatment. The presence of nitriding elements favors the achievement of a high surface hardness and/or increases the effective depth of nitriding.

ALLOY ELEMENTS	EURONORM	W.-NR.	UK	SPAIN	SWEDEN	USA	JAPAN
Cr-Mo / Cr-Mo-V	15CrMoV5-9	1.8521					
	31CrMo12	1.8515	722M24	F.1712	2240		
	31CrMoV9	1.8519		F.1721			
Cr-Al-Mo / Cr-Al-Ni	34CrAlNi7-10	1.8550					
	41CrAlMo7-10	1.8509	905M39	F.1740	2940	Nitriding Steel (135)	SACM 645

High-chromium steels: Euronorm 10216-2.

ALLOY ELEMENTS	EURONORM	W.-NR.	UK	SPAIN	SWEDEN	USA	JAPAN
9 % Cr	X11CrMo9-1	1.7386	9Cr1Mo			A182GrF9 • A213GrT9 • A335GrP9	
	X12CrMo9-1					A182GrF91 • A182GrF92	
	X10CrMoVNB9-1	1.4903				A213GrT91 • A213GrT92	
	X12CrMoVNB9-1					A335GrP91 • A335GrP92	
13 %Cr	X12Cr13	1.4006	410S21	F.3401	2302	AISI 410	
	X20Cr13	1.4021	420S29 • 420S37	F.3402	2303	AISI 420	

Steels for various applications: Euronorm 10273 (pressure equipment, heat-resistant, etc.).

ALLOY ELEMENTS	EURONORM	W.-NR.	UK	SPAIN	SWEDEN	USA	JAPAN
C-Mn	P295GH (18Mn4)	1.0481	224Gr460 224Gr490	A47RCI	2102 2103	A/SA350LF2	SPV315/32
		1.0432				A/SA105	
	P355GH (19Mn6)	1.0473	224Gr490	A52RCI	2103		SPV36
	P355NL1	1.0566	224Gr490 • 50EE		2107	A/SA737GrB	
	P355NH	1.565	224Gr490			A/SA662GrC	
Mo	16Mo3	1.5415	1503 • 243B		2912	A/SA204GrA	
Cr-Mo	13CrMo4	1.7335	3059 • 3604 • 620 • 621		2216	A/SA182GrF11 A/SA213GrT11 A/SA335GrP11 A/SA182GrF12 A/SA213GrT12 A/SA335GrP12	SFVAF12
						A/SA182GrF22 A/SA213GrT22 A/SA335GrP22	SCMV4
	10CrMo9-10	1.7380	3059 • 3604 • 622 • 490		2218	A/SA182GrF11 A/SA213GrT11 A/SA335GrP11	SCMV4
	12CrMoSi5					A/SA182GrF5 A/SA213GrT5 A/SA335GrP5	
	X10CrMo5-5					A/SA182GrF91 A/SA213GrT91 A/SA335GrP91	KA-STBA28
						A/SA182GrF92 A/SA213GrT92 A/SA335GrP92	KA-STPA28
	X10CrMoVNB9-1	1.4903					KA-STBA29
	X10CrWMoVNB9-2	1.4901					KA-STPA29

Steels for improved machinability

	EURONORM
Machining grades with high mechanical properties (without heat treatment)	44SMn28
Steels with improved machinability	Available for all EN grades with % Al < 1
Case-hardening steels with optimized Jominy and enhanced hardenability	MnCrMo5
Steels suitable for heat treatment during the hot forging process (bainitic and AFP steels)	25MnCrSiVB6 18MnCrSiMoVB6
Nitriding steels	30CrMnMoAlV8

Some grades require a minimum order commitment; please consult us.

NUCLEAR, ENERGY AND DEFENSE MARKET



Marcegaglia offers a complete range of grades to meet the rigorous standards of the **nuclear, energy, and defense** sectors.

This offering includes special steels such as AISI 4130, 4130 mod, 4140, 4145H as well as other more specific grades in the energy sector. Marcegaglia also complies with all the requirements of the nuclear sector. The range meets the needs of the defense sector (ammunition, vehicles, equipment, weapons, etc.).

*Marcegaglia offre une gamme complète de nuances permettant de répondre aux standards rigoureux des secteurs **nucléaire, énergie et défense**.*

Cette offre inclut des aciers spéciaux tels que AISI 4130, 4130 mod, 4140, 4145H mais aussi d'autres nuances plus spécifiques dans le secteur de l'énergie. Marcegaglia répond aussi à toutes les impositions du secteur nucléaire. La gamme permet de pouvoir répondre aux besoins du secteur de la défense (munitions, véhicules, engins, armes, etc.).

Grades for the Oil&Gas market (according to API 7.1)

AISI	EURONORM	W.-NR.	UK	SPAIN	SWEDEN	JAPAN
4137	34CrMo4	1.7220	708A30			
4137Hmod						
4140	40CrMo4	1.7225	708M40	F.1252	2244	SCM440H
4140H	40CrMo4	1.7225	708M40	F.1252	2244	SCM440H
4140mod						
4140Hmod						
4145	42CrMo4	1.7225	708M40	F.1252	2244	SCM440H
4145H						
4145Hmod						
4330						
4330Vmod	30NiCrMoV10					
4340	40NiCrMo7	1.6565	817M40			
4340mod						
9313	30NiCrMo16-6	1.6747	EN30B • 835M30			

Grades for the Oil&Gas market (according to API 6A and NACE MR0175 / ISO 15156 if required)

USA	EURONORM	W.-NR.	UK	SPAIN	SWEDEN	JAPAN
AISI 4130	25CrMo4	1.7218	708A25		2225	SCM420 SCM430
AISI 4130mod						
AISI 8630	30NiCrMo2	1.6545				
AISI 8630mod						
A105		1.0432				
A182 F22	10CrMo9-10	1.7380	622Gr31 224Gr460		2218 2102	SCMV4 SPV315
A350 LF2	18Mn4	1.0481	244Gr490	A47RCI	2103	SPV32

High-chromium grades for drilling and oil exploitation (according to API 7.1 or API 6A and NACE MR0175 / ISO 15156 if required)

USA	EURONORM	W.-NR.	UK	SPAIN	SWEDEN	JAPAN
A182F91	X10CrMoVNB9-1	1.4903	9Cr1Mo			
A182F92	X10CrWMoVNB9-2	1.4901				
AISI 410	X10Cr13	1.4006	410S21		2302	
AISI 420	X20Cr13	1.4021	420S29		2303	SUS420J1
AISI 420mod						

Carburizing grades for drilling cones

AISI	EURONORM	W.-NR.	UK	SPAIN	SWEDEN	JAPAN
4815						
9310						
9315	15NiCr13	1.5752	655M13			
4715						
8620	20NiCrMo2-2	1.6523	805A20			SNM200H

Steels for various applications

USA	EURONORM	W.-NR.	UK	SPAIN	SWEDEN	JAPAN
A350LF2	18Mn4	1.0481	224Gr460 224Gr490	A47RCI	2102 2103	SPV315 SPV32
A105						
AISI 4330V	30NiCrMoV10					

Defense grades

EURONORM
38CrB2
C30
35NiCrMo16
61SiCr7
45Si7
70MnMo410

Some grades require a minimum order commitment; please consult us.

AUTOMOTIVE MARKET

The range of Marcegaglia Fos-sur-Mer for the **automotive** sector includes a complete variety of **carbon and alloy steels** that meet the requirements of **national and international standards**.

This includes steels for **heat treatment** (Cr, Cr Mo, Ni Cr Mo, B), **carburizing steels** (16MnCr5 to 30CrMoV9), **bearing steels** (C55, C70, 100Cr6), **spring steels** (55Cr3 to 52SiCrNi5), **surface hardened steels**, **steels for fasteners**, as well as **steels for nitriding and carbonitriding**.

It also features **micro-alloyed steels** (38MnSiV5 to 22MnV7), **carbon steels** (C15 – C55), and **resulfurized and sulfurized steels**.

*La gamme de Marcegaglia Fos-sur-Mer pour le secteur **automobile** comprend une variété complète d'**aciers au carbone et alliés** répondant aux exigences des normes nationales et internationales.*

*Cela inclut des aciers pour **traitements thermiques** (Cr, Cr Mo, Ni Cr Mo, B), des **aciers de cémentation** (16MnCr5 à 30CrMoV9), des **aciers pour roulements** (C55, C70, 100Cr6), des **aciers pour ressorts** (55Cr3 à 52SiCrNi5), des **aciers pour trempe superficielle**, des **aciers pour boulonnerie/visserie**, ainsi que des **aciers de nitru-ration et carbonituration**.*

*On trouve aussi des **aciers micro alliés** (38MnSiV5 à 22MnV7), des **aciers au carbone** (C15 – C55) et des **aciers resulfurés et sulfurés**.*

Standard steels

ALLOY ELEMENTS	EURONORM	W.-NR.	JAPAN
C	C15	1.1141	S15C
	C40	1.0511	S40C
	C55	1.0535	S55C
Mn	30Mn5	1.1173	SMn24

Quenching steels

ALLOY ELEMENTS	EURONORM	W.-NR.	JAPAN
Cr	37CrS4	1.7038	
	41Cr4	1.7035	SCr440H
Cr-Mo	34CrMo4	1.7220	SCM435H
	42CrMo4	1.7225	SCM440H
	50CrMo4	1.7228	
Ni-Cr-Mo	14NiCrMo13-4	1.6657	
	28NiCrMo4	1.6513	
	30NiCrMo16		
	40NiCrMo7		
Cr-Ni-Mo	18CrNiMo7-6	1.6587	
	51CrV4	1.8159	SUP10
B	16MnCrB5	1.7160	
	38MnB5		
	35B3		

Carburizing steels (according to DIN EN 10084 and ISO 683-11)

ALLOY ELEMENTS	EURONORM	W.-NR.	JAPAN
Cr	16MnCr5	1.7131	
	20MnCr5	1.7147	SMnC420H
	27MnCr5		
	25MoCr4	1.7325	
Cr-Mo	25CrMo4	1.7218	SCM420
			SCM430
	16CrMo4	1.7242	SCM415
	27CrMo4		
Cr-Mo-V	30CrMoV9	1.7707	

Nitriding steels (according to DIN EN 10085 or ISO 683-10)

EURONORM	W.-NR.	JAPAN
34CrAlMo5-10	1.8507	
34CrAlNi7-10	1.8550	
40CrAlMo6-12Pb		

Some grades require a minimum order commitment; please consult us.

Dispersoid steels

EURONORM	W.-NR.	JAPAN
38MnSiV5	1.5231	
	1.1303	
38MnV6		
20MnV4		
22MnV7		

Spring steels

EURONORM	W.-NR.	JAPAN
55Cr3	1.7176	
54SiCr6	1.7102	
54SiCrV6	1.8152	
52SiCrNi5	1.7117	
51CrV4	1.8159	SUP10
61SiCr7	1.7108	

Resulfurized, sulfurized, globularized steels .R

QUALITY AS OUR CORE COMMITMENT

commitment
to excellence
drives our
pursuit of
continuous
improvement

Ensuring the **highest standards of quality** is paramount in Marcegaglia Fos-sur-Mer production processes, from the initial stages of manufacturing to the final inspections: the company's goal is guaranteeing that products meet the **expectations of clients** across various industries.

*Assurer les **normes de qualité les plus élevées** est primordial dans les processus de production de Marcegaglia Fos-sur-Mer, depuis les premières étapes de fabrication jusqu'aux inspections finales : l'objectif de l'entreprise est de garantir que les produits répondent aux **attentes des clients** dans divers secteurs.*

ISO 9001:2015

IATF 16949:2016

ISO 45001:2018

ISO 14001:2015

ISO 50001:2011



*AT Marcegaglia
FOS-sur-Mer, we're NOT
JUST SHAPING STEEL;
we're CRAFTING
a SUSTAINABLE FUTURE.
TOGETHER, we FORGE
a CLEAR PATH AHEAD,
COMMITTED
TO INNOVATION AND
RESPONSIBILITY*

DOWNLOAD
OUR COMPANY
PROFILE



Discover how Marcegaglia Fos-sur-Mer is transforming the steel industry through innovation, sustainability, and strategic partnerships. Join us on this journey towards a **greener future** and explore our commitment to **quality** and **excellence**.

*Découvrez comment Marcegaglia Fos-sur-Mer transforme l'industrie de l'acier grâce à l'innovation, à la durabilité et à des partenariats stratégiques. Rejoignez-nous dans ce voyage vers un **avenir plus vert** et explorez notre engagement envers la **qualité** et l'**excellence**.*



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