

**Structural Bolts  
Hex Bolts  
Nuts & Washers  
Stud Bolts  
Drywall Screws  
Other Fasteners**



**fast trade**  
fixing business

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**FONTANA GRUPPO**  
FASTENING THE FUTURE

**SIGMA**



A Mazrui International Company



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# SIGMA

Sigma Enterprise LLC is a company specialized in the distribution of industrial products, as well as a supplier and distributor of services for a wide range of scientific and engineering technologies. It mainly operates in the United Arab Emirates and the Gulf Cooperation Council (GCC) region. With a well-established and extensive sales structure already consolidated in the market, Sigma is affiliated with Mazrui International, a privately held diversified holding company operating in various sectors and asset classes, including Oil & Gas, Real Estate, Trading, Financial Investments, Education, Construction & Logistics, and Retail.

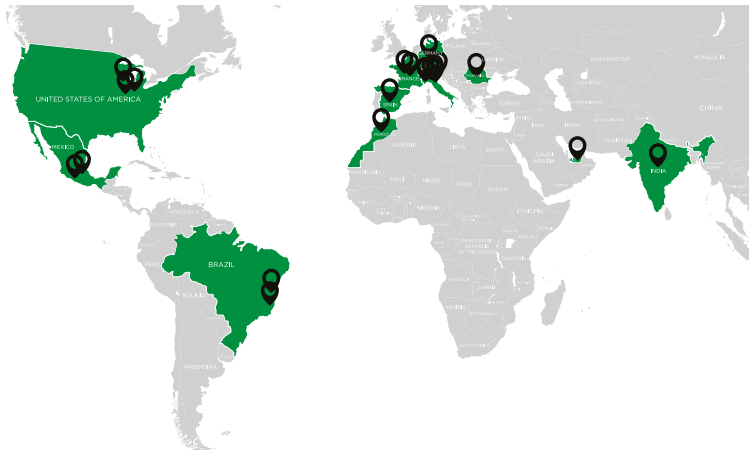


**FONTANA GRUPPO**  
FASTENING THE FUTURE



**fast trade**  
fixing business

Fast Trade has been the reference fastener solution provider for the fasteners and fixing industry, with an extensive network of distribution and logistics centers in Italy, Spain, France, Germany, Romania, Morocco, the United Arab Emirates, and an e-commerce channel. Born within the Fontana Group, a global leader in fastener production, Fast Trade offers a comprehensive range of fastening solutions for various sectors, from industry to infrastructure, from petrochemicals to wind energy. The extensive range of products in the catalog is combined with the opportunity to benefit from tailor-made services designed for dedicated solutions, leveraging a distribution footprint that covers the entire GCC & North Africa region.



ITALY  
FRANCE  
GERMANY  
SPAIN

ROMANIA  
EMIRATES  
MOROCCO  
MUNGO

USA  
BRASIL  
MEXICO  
INDIA



# PRODUCT RANGE

## STRUCTURAL BOLTS

(Heavy Hex Bolts) High resistance bolts for steel construction



STANDARD	GRADE	SIZE RANGE	COATING (SURFACE)
ASTM F3125 (A325M, A490M)	8.8 10.9	M12 to M36	Plain, Zinc Plated,
EN ISO 14399-4 (HV)	12.9		HDG,
EN ISO 14399-3 (HR)			PTFE,
EN ISO 14399-10 (HRC)			Zinc Flake GEOMET

## HEX BOLTS



**Hexagon head Bolt  
partial thread**

STANDARD	GRADE	SIZE RANGE	COATING (SURFACE)
<u>Material Standard:</u>	4.6	M4 to M30	Plain,
BS EN ISO 898 -1	5.6		Zinc Plated,
<u>Specification:</u>	8.8		HDG-Hot Dip
BS 3692	10.9		Galvanized
Compatible with BS	SS-304		PTFE,
4190 / DIN 931 /	(A2-70)		Zinc Flake
ISO 4014 /	SS-316		GEOMET
EN ISO 15048 (SB)	(A4-70)		



**Hexagon head screw  
full thread**

STANDARD	GRADE	SIZE RANGE	COATING (SURFACE)
<u>Material Standard:</u>	4.6	M4 to M30	Plain,
BS EN ISO 898 -1	5.6		Zinc Plated,
<u>Specification:</u>	8.8		HDG-Hot Dip
BS 3692	10.9		Galvanized
Compatible with BS	SS-304		PTFE,
4190 / DIN 933 /	(A2-70)		Zinc Flake
ISO 4017 /	SS-316		GEOMET
EN ISO 15048 (SB)	(A4-70)		

## NUT

### Hex Nut / Heavy Hex Nut / Hex Flange Nut / Washer Assemblies



Hex Nut

STANDARD	GRADE	SIZE RANGE	COATING (SURFACE)
Material Standard: BS 3692	8,	M3 to M30	Plain,
Compatible with BS 4190 / DIN 934 / ISO 4032	9, 10, SS-304 (A2-70) / SS-316 (A4-70)		Hot Dip Galvanized, Mechanical Galvanized



Heavy Hex Nut

STANDARD	GRADE	SIZE RANGE	COATING (SURFACE)
DIN 6915/ ISO 7414/ BS 4395/ UNI 5713/ ASTM A194/ ASTM A563	8, 9, 10, SS-304 (A2-70) / SS-316 (A4-70)	M3 to M30	Plain, Hot Dip Galvanized, Mechanical Galvanized

## WASHER

### Flat washers; DTI Washer (Direct tension indicators); Fender washer (Large Series Flat Washer); Washers for nut assemblies.



STANDARD	GRADE	SIZE RANGE	COATING (SURFACE)
DIN 125A (ISO 7089) / DIN 125B (ISO 7090) / DIN 126 (ISO 7091) ASTM F436M (Structural Washers)	Mild Steel, Carbon Steel, Alloy Steel & Stainless Steel	M3 to M30	Plain, Zinc Plated, Hot Dip Galvanized

## FIN NECK BOLT



STANDARD	GRADE	SIZE RANGE	COATING (SURFACE)
DIN 603	4.6 4.8 8.8 10.9 SS-304 (A2-70) SS-316 (A4-70)	M5 to M20	Plain, Zinc Plated, HDG, Zinc Flake

## ALLEN BOLT

### HEX. Socket Head Cap Screw



STANDARD	GRADE	SIZE RANGE	COATING (SURFACE)
DIN 912, DIN 6912, ISO 4762	8.8/ 10.9/ 12.9/ SS-304 (A2-70) / SS-316 (A4-70)	M4 to M20	Plain, Zinc Plated, Zinc Flake GEOMET

## HEXAGON SOCKET COUNTERSUNK SCREW



STANDARD	GRADE	SIZE RANGE	COATING (SURFACE)
DIN 7991 ISO 10642 UNI 5933	8.8/ 10.9/ 12.9/ SS-304 (A2-70) / SS-316 (A4-70)	M2 to M20	Plain, Zinc Plated, Zinc Flake GEOMET

## STUD BOLTS

### Fully Threaded Rod



STANDARD	GRADE	SIZE RANGE	COATING (SURFACE)
DIN 975 DIN 976	4.8 5.8	M6 to M100	Zinc plated Hot Dip Galvanized
ASTM A193 ASTM A320 BS 4190 BS 3692	8.8 10.9 12.9 SS-304 (A2-70) / SS-316 (A4-70)/ ASTM A193 Grade B7, B7M, B8, B8C, B8M, B8T & B16/ ASTM A320 Grade L7 & L7M, B8, B8C, B8M & B8T		PTFE Black

## HEX WOOD SCREW



STANDARD	GRADE	SIZE RANGE	COATING (SURFACE)
DIN 571	4.6	M4 to M10	Plain Stainless,
UNI 704	4.8		Zinc Plated,
	SS-304 (A2-70)		HDG
	SS-316 (A4-70)		

## DRYWALL SCREW



STANDARD	GRADE	SIZE RANGE	COATING (SURFACE)
Fine/Coarse Threaded, Self-Drilling/Bugle Head and Gypsum Board screws	Carbon Steel	M3.5 to M4.2	Black Phosphate

## SELF-DRILLING/TAPPING SCREW



STANDARD	GRADE	SIZE RANGE	COATING (SURFACE)
DIN 7504(K,L,M,R,O,P)	Carbon Steel	φ 4.2	Plain
DIN 7976	SS-304 (A2) /	φ 4.8	Zinc Plated
	SS-316 (A4)	φ 5.5	
		φ 6.3mm	



# PROJECTS

## SANTIAGO BERNABEU STADIUM, MADRID-SPAIN



- **Specifications:** "Special" screws with modifications to the EN 14399-4 K2 standard.
- **Quantities /Tons:** 308,724 Sets / 206,604 kg of screw sets (screw + nut + two washers).
- **Treatment & Finish:** According to EN 14399-4 10.9 K2 standard and with Geomet 500-B, Geomet 500-B + Plus VLh and Geomet 321 + Plus L coatings.

Salt fog resistance test certificate and test report for absence of hydrogen embrittlement according to EN-15330 standard.

- **Project:** Cable-stayed truss, brace and cable-stayed extension. Lateral, rolling and tubular trusses.
- **Start date:** May 2020  
**Completion date:** April 2022

## "THE WORLD'S BIGGEST TELESCOPE", CERRO ARMAZONES, ACATAMA DESERT - CHILE



- **Specifications:** Bolts EN14399-4 HV in K2. A product that guarantees tightening simplified to full torque maintaining a limited dispersion of values.
- **Quantities/Tons:** 165,755 Sets / 82,243 kg of screw sets (screw + nut + two washers) from M12 to M36.
- **Treatment & Finish:** According to EN 14399-4 10.9 K2 standard (Black/Plain).

**Project:** The hardware for the realization of the metal carpentry of the telescope provided by Fast Trade. Transportation has been done by sea to Chile and the supply managed directly from the Iberian branch of Fast Trade.

- **Start date:** June 2014  
**Completion date:** June 2025

## VELODROME STADIUM IN MARSEILLE - FRANCE

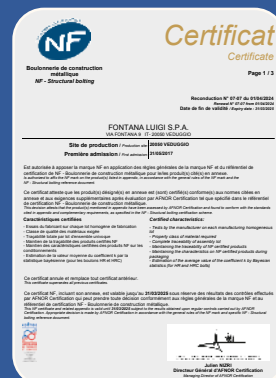


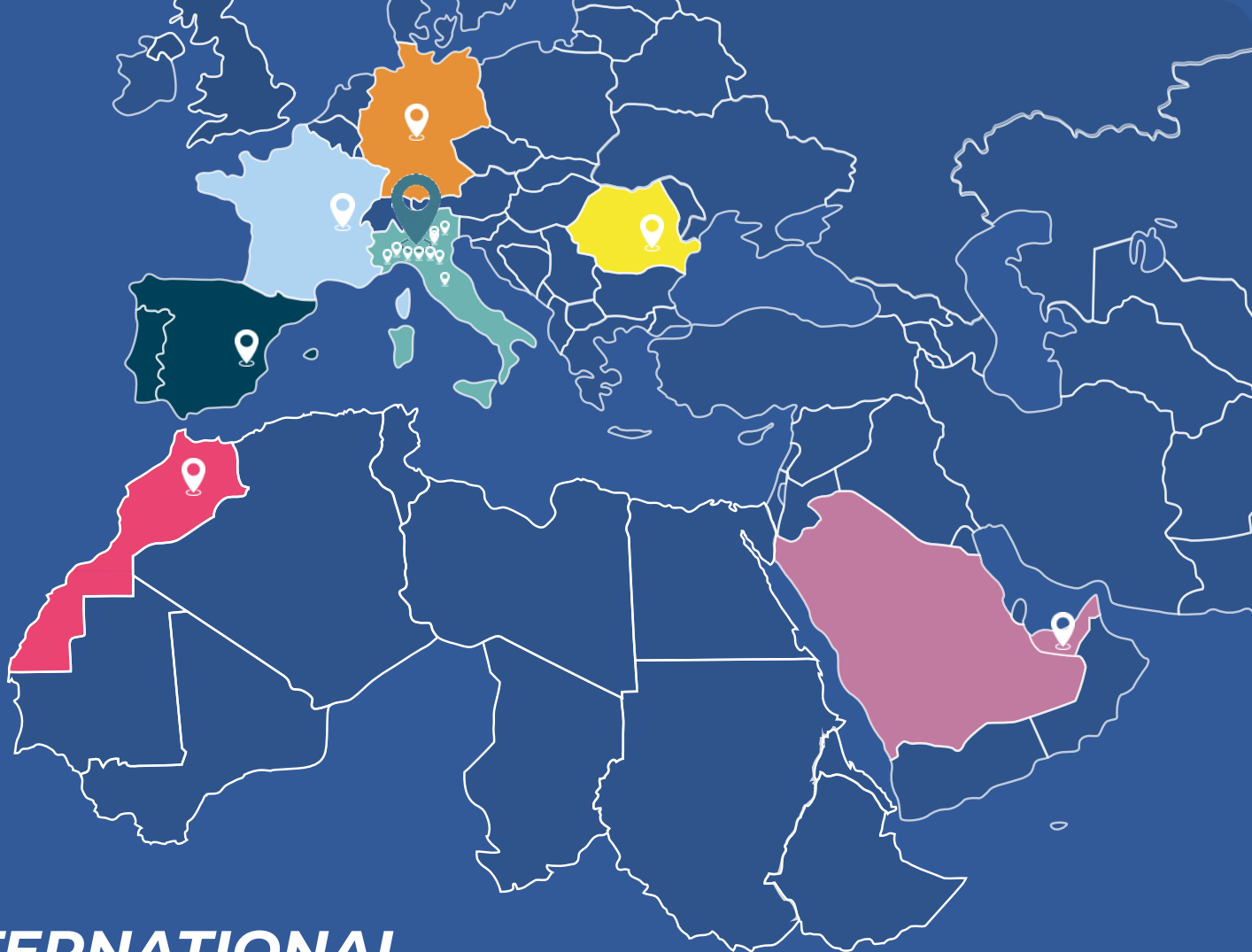
- **Specifications:** EN14399-4 10.9 K2 standard.
- **Tons:** The entire roof is made of 5,500 t of steel and it was designed with steel cables (about 55 km of pipes).
- **Finish:** structure was designed to be fixed with bolts on site and with Hot-Dip Galvanization as anti-corrosion protection.

**Project:** The central element in the stadium renovation is the new roof. It is a 5,500 ton three-dimensional steel structure, which rises to a height of 65 m at its highest point.

- **Start date:** September 2011  
**Completion date:** September 2014

# CERTIFICATES





## INTERNATIONAL PRESENCE



### HEADQUARTERS

Fontana Finanziaria S.p.A.  
Via Fontana, 9 20837 – Veduggio con Colzano (MB) – IT



### ITALY

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Via Enrico Fermi, 8 – 24045 Fara Gera D'Adda (BG)  
Viale Sabotino, 217 – 20025 Legnano (MI)  
Via A.Nobel, 8 – 31020 Villorba (TV)  
Via del Lavoro, 14 – 36040 Grisignano di Zocco (VI)  
Via A.Moro, 31-33 – 20037 Paderno Dugnano (MI)  
Via Degli Avieri, 2 – 36040 Torri di Quartesolo (VI)  
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mag 3c, la Gironde, Casablanca



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