

ESSINOX is the French Leader for the supply of carbon and stainless steel material according to the RCC-M code. EDF official stockist for more than 30 years, the company stores and distributes tubes, fittings and raw materials, mainly intended for the nuclear industries. Our choices to manufacture and certify the best quality for all our products, simplify the procedures of our customers and enhance their achievements. ESSINOX thus ensures access to the widest range of equipment available on the civil and naval nuclear markets, **guaranteeing traceability, safety and continuity of services.**



STOCK HOLDER

- Seamless pipes
- Welded pipes
- Butt Welding Fittings
- Socket Welding Fittings 3/6000 #
- Bars, forges, plates
- Flanges

Dimensions in stock : de 1/8 " OD to 8 ' ANSI all thickness.
Any size above (10", 12", 14", 16"):
on demand



MANUFACTURE

Fittings, flanges, on drawing for any special applications, welded pipes.



QUALIFICATION DES MATERIAUX

Codes & standards

RCC M (AFCEN)
 RCC MX (CEA)
 RCC MR (AFCEN)
 RCC MRx (AFCEN)
 STD (COGEMA)
 SPECIFICATIONS CLIENTS
 CST 53C030
 NORMES

Class of materials

1,2,3, Vol E, H, K
 1,2,3
 K1,K2
 1_{Rx} ,2_{Rx} ,3_{Rx}
 3N, 2N, 3C1, 3C2, 2C1, 2C2
 RETDC, STF, STA...
 Q1-Q2-Q3-QC
 NF-EN, ASTM, ASME...

ESP I

All levels(1,2,3)
 All categories (0/I/II/III)

OURS PRODUCTS IN NUCLEAR PLANTS

- Circuits (French Nuclear Safety Authorities)
- Secondary Main Circuits
- Secondary Auxiliary Circuits
- (ARE, RIS, SEC, APG, EASU, PTR...)
- All REP Bearings : 900, 1300, 1400MWe

- Reactor Buildings
- Connection Buildings
- Engine Rooms
- Instrumentation Circuits
- Others...



MARKETED MATERIALS

Carbon steel (on stock)

P235GH P355GH
 P265GH A42AP
 P280GH A48AP
 P295GH

Stainless steels (on stock)

Z2 CN 18.10
 Z2 CN 19.10 N2
 Z2 CND 17.12
 Z2 CND 18.12 N2
 Z6 CNT 18.11

Steels for fasteners (on demand)

42CrMo4
 X12CrNiMoV12-3
 X6NiCrTiMoVB 25-15-2
 X12Cr13

Others grades (on demand)

Duplex / super-duplex
 Titanium alloys
 Nickel alloys

STR of RCC-M o material in stock or on demand

Carbon steels

M1122 → Forged parts
 M1122bis → Stamped parts
 M1124 → Forged parts
 M1131 → Plates
 M1141 → Seamless pipes
 M1143 → Seamless pipes
 M1145 → Welded pipes
 M1149 → BW fittings– N2
 M1151 → BW fittings– N3
 M5110 / M5120 / M5140 → Bars fasteners, bolts, others...

Stainless steels

M3301 → Forged parts
 M3304 → Seamless pipes
 M3306 → Bars
 M3307 → Plates
 M3307 Bis → Plates
 M3314 → Welded pipes
 M3316 → Plates/coils
 M3317 → BW fittings
 M3320 → Welded pipes

INTERNAL COMPLEMENTARY BENEFITS

- Visual and dimensional checking, **endoscopy (Cofrend II)**
- US, thickness measurement & **dye penetrant testing (Cofrend II)**
- Machining, cutting to length
- Visual and dimensional checking, **endoscopy (Cofrend II)**
- US, thickness measurement & **dye penetrant testing (Cofrend II)**

CERTIFICATIONS

ISO 9001 vers. 2015
 ISO 19443 vers. 2018
 EDF-UTO (Stock Holder)
 FRAMATOME/ORANO
 Accréditations QN100 & NSQ100
 NAVAL GROUP (DCNS)
 Accréditation