

Ugitech

The nuclear
industry's reference
for the last 40 years



Ugitech



Ugitech manufactures stainless steels in bars, billets, wires, flat bars and profiles on request.

Our research centre is a world reference in stainless steels.

Ugitech is a producer and stockholder for the nuclear industry ; its RCC-M inventory is under control of EDF-DI. ASME III approved by major prime contractors and their customers.

The international presence of its sales network enables Ugitech to work in partnership with key industry players in the Nuclear sector and their subcontractors.

ALSTOM, FRAMATOME, CEA, DCNS, DONG FANG, SHANGAI N° 1, WESTINGHOUSE...

Through its products, Ugitech participates in the manufacture of CRDMs, Fuel Rods, Pumps, Valves, Fittings, various Components, etc.

Ugitech's products are used in OL3 EPR in Finland, Taishan EPR 1 & 2 and Flamanville EPR and, more generally, in many PWR plants throughout the world.

Ugitech is also present in experimental nuclear power plants (RJH, ITER).



Products available from stock

- In accordance with RCCM M3202-M3306-M3308-M5110 Niveau 1-2-3
- ESR remelted grade for our UGI® 4307Q, UGI® 4909 and UGI® 4542Q grades.
- RCC-MR, RCC-MX, ASME, NCA 3800, PED and GOST qualifications possible at order.

Ugitech designations	ASTM/ASME equivalence	Available from stock RCCM 5110/5120/3306/3308/3202 Level 1 - Ø 20 to 350 mm				Stock available for blacksmiths applications
		Z2 CND 18-12N2	Z2 CND 17-12	Z6 CND 17-12	Z5 CND 17-12	
UGI® 4909	316L	Z2 CND 18-12N2	Z2 CND 17-12	Z6 CND 17-12	Z5 CND 17-12	Ø 60/90/120 mm
UGI® 4307Q	304L	Z2 CN 19-10N2	Z2 CN 18-10	Z6 CN 18-10	Z5 CN 18-10	-
UGI® 4550Q	347	Z6 CNNb 18-11	-	-	-	-
UGI® 4006A	410	X12 Cr 13	Z12 C13	-	-	-
UGI® 4418Q	-	X6 CrNiMo 16-04	Z5 CND 16-04	-	-	-
UGI® 4542Q	630	X6 CrNiCu 17-04	-	-	-	-
UGI® 4944	660	X6 NiCrTiMoVB 25-15-2	-	-	-	-

Low cobalt ≤ 0.04 % and boron ≤ 0.0010 % content chemical analysis.

Factory-manufactured products

- From 800 kg (MOQ), in compliance with RCC-MR, RCC-MX, ASME, NCA 3800, PED, GOST and other codes and/or specific requirements.

Ugitech grades	RCC-M designations	Other designations	
UGI® 4313	X3 CrNiMo 13-04	-	UN S 41500
UGI® 4541Q	Z8 CNT 18-11	X6 CrNiTi 18-10	AISI 321
UGI® 316LN	-	-	AISI 316LN
UGI® 304LN	-	-	AISI 304LN
UGI® 308L	-	-	AISI 308L
UGI® 4909	Z2CND18-12N2 / Z2CND17-12 / Z6CND17-12 / Z5CND17-12	-	AISI 316L
UGI® 4307Q	Z2CN19-10N2 / Z2CN18-10 / Z6CND17-12 / Z5CND17-12	-	AISI 304L
UGI® 4550Q	Z6 CNNb 18-11	-	AISI 347
UGI® 4006A	X12 Cr 13	Z12C13	AISI 410
UGI® 4418Q	X6 CrNiMo 16-04	Z5 CND 16-04	-
UGI® 4542Q	X6 CrNiCu 17-04	-	AISI 630
UGI® 4944	X6 NiCrTiMoVB 25-15-2	-	AISI 660

Other grades on request (more than 200 grades available).

Ugitech has a storage and on-demand services centre.

- Storage and retrieval machine
- Dedicated, protected storage
- Sawing, blank cutting
- Continuous marking by engraving, laser, ink, etc.
- Non-destructive tests, chemical analyses, corrosion test, destructive tests at all temperatures
- Boring, grinding, customised packaging on request.

A dedicated organisation and an experienced team with an awareness of nuclear safety and practices.

- Specification studies and advice, follow-up documents, inspection.
- Coordination and management of product inspection and qualification by third party specialized companies (APAVE, Bureau VERITAS, LLOYD'S, DNS, etc.)
- Supplier monitoring and audit.

Ugitech is also a producer of stainless steel concrete reinforcing bars under the UGIGRIP® brand for building and civil engineering applications used in power plant construction.



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Applications specifically suggested for material described herein are made for the purpose of illustration only to enable the reader to make its own evaluation and are not intended as warranties, either express or implied, of fitness for any purposes.