

[www.beck-industries.com](http://www.beck-industries.com)



**Beck Industries**

Tightening up on Performance





## BECK INDUSTRIES

Manufacturer, stockist and distributor of high integrity bolting

## General Sales Presentation

### SUMMARY

- Introduction
- Company
- Values
- Markets
- Products
- Materials
- Production
- Quality
- Services
- Sites



## History

Beck Crespel, at the origins of Beck Industries, was founded in 1918 by Helen Crespel in the ruins of Armentieres after WW1. Four generations later, the small company has become an international group with a turnover of approximately 90 million Euros.

The objective of the 4th generation is to follow the development while remaining loyal to family and industrial spirit of the company.

## Activity

**Beck Industries** is European leader in the production of threaded components for energy, oil and mechanical industry markets:

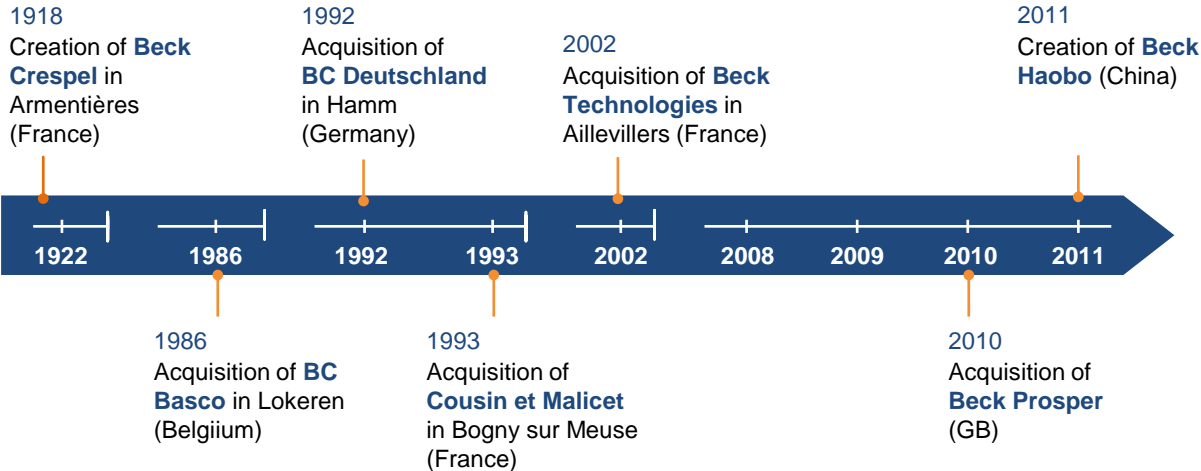
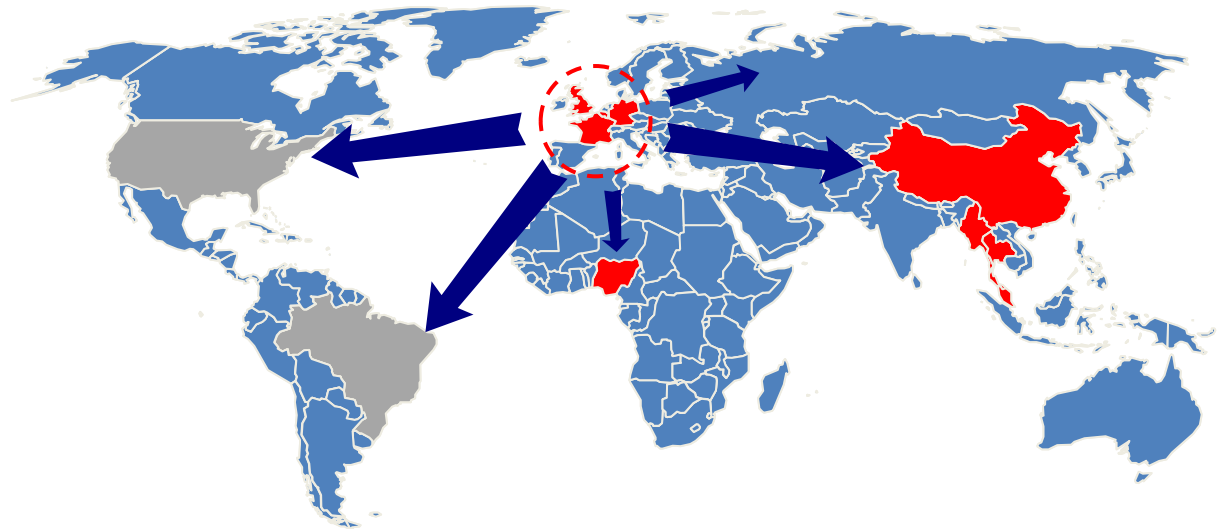
- 600 people on 8 industrial sites
- More than 100,000 sqm of production and storage space
- 35 million EUR of stocks
- More than 100 CNC, 60 threading, forge capacity higher than 1.250 tons, automatised coating line...
- 60% of export activity



Each site of Beck Industries manufactures, stores and distributes and it is the DNA of our organization and the guarantee for you to get an unequalled level of quality.

Our 8 sites realize 60% of its export turnover and are coordinated in terms of investment, procurement and monitoring key accounts.

Our supply chain assures to you a good quality/price ratio wherever you are.



**INTERNATIONAL SCALE...**

- A need at the other end of the planet or in France: we can do it!
- Teams dedicated by area: Large export, France, Belgium, ...

**...WITH A PROXIMITY SERVICE**

- A relevant stock divided by site in order not to let you down wherever you are
- A flexible production tool to manage your emergencies: 24H Service
- No difference between the small and large customers : all our customers are important

## INSOURCED CONTROL

- Product and process controls
- Control of latent defect prevention
- Control of risk
- Safety and health control
- Environmental impact controlled
- Steel stocked in our warehouse
- Competencies and skills insourced and managed



## GOLDEN RULES

*"Our customers handle facilities at risk for population and environment. They call on us and rely on our products' reliability."*

*We have built a model which incorporates these requirements while ensuring a level of international competitiveness."*

## EASY TO WORK WITH

- Culture of service orientated to customers
- Timetable respect
- Qualities promoted: proactiveness, positive spirit









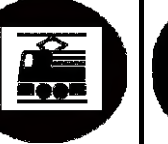
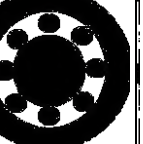
## BEST INNOVATION

- Two targets: competitiveness and innovation
- Continuous improvement of our efficiency and competitiveness
- Foresight politic in management and technical
- Investments in process improvement
- Delegation of responsibilities
- Employees training

## UNITED TEAM

- Code of Ethics and employee handbook
- Loyalty within the company, towards customers, suppliers and others
- Against discrimination
- Partnerships with local organisations
- Team spirit and integrity promoted
- Personal culture of individual responsibility
- Company aware of its social responsibilities

## We assist you in 10 industrial sectors:

									
Subsea/offshore	Petrochemical	Retailers	Contractors	Nuclear	Aeolian	Powergen	Construction	Transports	OEM
Upstream Flexibles	Refinery Chemicals Maintenance			Manufacturers Equipment supplier Energy producer	Pole Rotors	Gas or steam turbine Hydraulic Motors Services	Infrastructures Water Desalination Tunnel Cement factory Motor-driven crane	Railway By ship	Plumbing Pump Converter Exchanger Piping ...



**TOTAL**

**ExxonMobil**



**INEOS**



- Over 1,500 active customers whose almost 1,200 in petrochemicals
- Over 60% of activity in Petrochemicals sector, 30% in Powergen sector and 10% in nuclear sector
- Over ½ of our business is from exports with about 20% to the general export

## STANDARD BOLTING

Available on stock:

- Threaded rods
- Double end studs
- Draught
- Nuts (dome nuts, hexagon nuts with collar, ...)
- Bolts (Hexagon head bolts, Hexagon socket head cap screw,...)
- Washers
- Cap

## NORMES AND THREAD

We are able to meet your expectations in all existing business standards: NF, NFE, DIN, ANSI...

Our production tool is also able to provide you all kinds of thread systems: ISO (triangular, trapezoidal, round), UNC, UNF, UNS, NOT, ACME...

## COATINGS

- Galvanization (passivation, chrome plating, hot-dip galvanization)
- Zinc lamella coating Delta MKS
- Manganese phosphate conversion coating - oily or dry
- Nickel plating
- Sanding and passivation
- Molykote
- PTFE/Xylan/Xylar Coating
- Molybdenum disulphide

## BOLTING ACCORDING TO DRAWINGS

Available on demand:

- Specific fasteners
- Bolting for diesel engines
- Turbine bolting
- Valve stems
- Studs-bolts for ANSI
- Reduced shank studs for DIN flanges
- Bolting for the nuclear industry
- ...



## CARBON STEEL

Werstoff	EU	DIN	ASTM
1.1191	C45 E	Ck 45	A194 2H
1.7218	25CrMo4	25CrMo4	-
1.7220	34CrMo4	34CrMo4	-
1.7225	42CrMo4	42CrMo4	A194 Gr7 / A193 B7
1.6582	34CrNiMo6	34CrNiMo6	-
1.6580	30CrNiMo8	30CrNiMo8	-
1.6773	36CrNiMo16	-	-
-	40CrNiMo7-3	-	A320 L43
-	40CrNiMo7-3	-	A540 B24

## NICKEL ALLOYS

Appellation	Werstoff	EU
Monel 400	2.4360	NiCu30Fe
Incoloy 800	-	-
Alloy 20	-	-
Inconel 600	2.4816	NiCr15Fe
Hastelloy B2	2.4617	NiMo28
Nimonic 75	2.4630 / 2.4951	NiCr20Ti



## OUR APPROACH

Our model consists in investing in the stock to find you an appropriate solution with the shortest possible time.

We put stock of over 35 million EUR available immediately at your disposal.

Our quality policy guarantees full traceability, unfailing to the mill if you want.

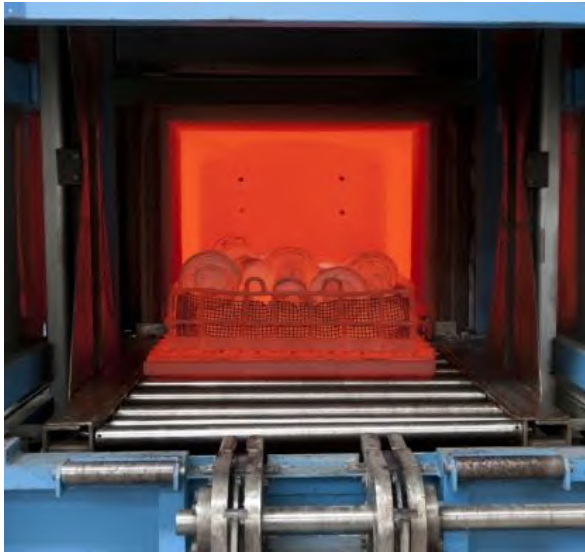
## HIGH AND LOW TEMPERATURE

Werstoff	EU	DIN	ASTM
1.7218	25CrMo4	25CrMo4	-
1.7225	42CrMo4	42CrMo4	A193 B7
1.6582	34CrNiMo6	34CrNiMo6	-
1.6580	30CrNiMo8	30CrNiMo8	-
-	X15CrMo5-1	-	A193 B5
1.4923	21CrMoNiV1 2-1	21CrMoNiV 12-1	-
1.4938	12CrMoNiV1 2-1	12CrMoNiV 12-1	-

## INOX STEEL

Werstoff	EU	UNS	ASTM
1.4006	X12Cr13	S 41000	A194 Gr 6
1.4005	X12CrS13	S 41000	A194 Gr 6F
1.4301	XrCrNi18-10	S 30400	A194 Gr 8
1.4305	X8CrNiS18- 09	S 30300	A194 Gr 8F
1.4541	X6CrNiTi18- 10	S 32100	A194 Gr 8T
1.4401	X5CrNiMo17- 12-2	S 31600	A194 Gr 8M
1.4462	X2CrNiMoN2 2-5-3	S 31803	A182 Gr F51





## FORGE

We forge a wide range of M6 (1/4") to M100 (4") with a wide variety of equipment of hot and cold forging, for screws and nuts, steel alloys, stainless steels and nickel alloys, with a maximal capacity forging of 1,250 tons.

Our industrial mastery of the hot forging of nickel alloys (Nimonic, Inconel 718) is probably unique in Europe.

## TURNING

We continuously invest in new competitive facilities to meet all your requirements of form, profiles, tolerances or materials. We currently have a unique production capacity in the market with over 100 digital tours from 2 to 11 axes, manual loading, robotic or bar.

We can produce parts from 6mm to 240mm diameter for lengths up to 3,000mm.

## THREAD ROLLING

Over 60 rolling machines in the group, from 10 to 100 tons of power in conventional and digital.

Rolling in all lengths from M6 to M180 for all shades including nickel alloys (Inconel 718 and Nimonic).

Metallurgical controls with spinner and superficial hardness.

## SPECIALS PROCESS

Examples of special process that we can do:

- Deep boring
- Burnishing
- Knurling
- Assembly kits
- **Freinage d'écrous**
- Electrical discharge machining **fil et enfonçage**
- Semi-automatic welding
- Measuring accuracy
- Bending

## HEAT TREATMENTS

Automatic line of heat treatment:

- Quenching and tempering, oil and polymer in air and vacuum
- Dissolution
- Ageing
- Stress relieving
- Quenching HF

Mechanical testing and metallurgical controls are carried out internally (Qualifications API6A and AMS2750).

## DESTRUCTIVE TESTING

- Mechanical tests at room temperature (traction, resilience)
- Resilience cold to -101°C
- Traction hot
- Load test on nuts
- Load test on studs (max dia M100 Class 10,9X2000mm)
- Salt spray
- Microfilming and macrography
- Micrographs under black light
- Micro-hardness Vickers and Knoop low pressure

## NON DESTRUCTIVE TESTING

- Magnetic
- U.S.
- Bleeding, fluorescent penetrant
- Eddy Current
- Spectographic
- Couple checking
- Positive Material Inspection (PMI) and Magnetic Material Inspection (MPI)



## QUALIFICATIONS

- ISO 9001, 14001 et 18001 TÜV
- TÜV AD W0 / TRD 100, PED certified TÜV
- AQAP 120, DGA for military industry
- Certificate Lloyds for forge process
- ASME NCA 3800 + Many customers qualifications : Shell, Total, Exxon, EDF, GE, Areva, Aramco etc
- GOST-R
- NQA 1
- Labo. ISO 17020 + 17025 ongoing

## CUSTOMISED PACKING

It is our speciality: Meet to your requirement and conditions of use for items ordered.

We offer all types of packaging by optimizing the costs of preparation and delivery:

- Maritime
- Bagging
- Bespoke
- VCI

## TIGHTENING

Our company is devoted to tightening bolts issues in all conditions:

- Sales and rentals of tightening equipment
- Do you have a problem? We can analyze the different options for you: using design, custom equipment, on-site services...
- Hydraulic tensioners and hydraulic nuts, tensioner setscrew nuts, or induction tightening

## 24H DELIVERY

This service is possible for all quantities and all demands made before 15h.

Our stock (over 35M € available on request), our 3x8 organization and our workshops coatings make us the source #1 for your urgent requests.

We work with a large number of specialized providers in the delivery Express throughout Europe and the world.

## BULK ORDERING

- We handle large and small series (150 € minimum order).
- We manage for you the bulk of orders to optimize your transportation costs and packaging with your agreement.

## STOCK MANAGEMENT

In the context of partnerships, we help our customers to manage and optimize their stock to reduce their costs:

- Stock dedicated
- Stock recorded
- Kitting
- VMI
- EDI
- Managing stock on-site

## DATABOOKS

We manage for you all Data books in all languages and according your specificities or those of your clients.

### **BECK CRESPEL (France)**

European leader of standard and special bolting.

Main site of the group with a fleet of machines, probably unique in its diversity and stock steel more than 5,000 tons.

The company offers reactivity with a wide range of products and services, for threaded rods ASTM as for nuclear parts, contracts or troubleshooting.

### **BECK TECHNOLOGIES (France)**

We excel in processing stainless steels and nickel alloys.

We implement original processes, partially derived from aircraft technology: hot forging, turning special threaded parts, screws, nuts, locknuts and gudgeon, alloy steel, Nimonic, Inconel 718, superduplex, A4-80.

### **COUSIN ET MALICET (France)**

Specialist in the production of hot forged nuts DIN and ASTM for a range of M12 and M64 ½ "to 2 ½" in carbon steel, alloy and stainless.

### **BECK PROSPER (Great Britain)**

UK leader and specialist of subsea.

Threaded rods up to 7" dia, turned parts and other types of products (660, 718, Durehete, Nimonics, riser bolts,...)

### **BC DEUTSCHLAND (Germany)**

Specialist of DIN standard.

Thank a local reactive team, this company is totally dedicated to the service with an oriented approach client, for example the DIN 2510 ASTM threaded rods gudgeon and threaded parts special approach.

### **BC BASCO (Belgium)**

Screws and studs manufacturer which meets ASTM standards Benelux.

The company is fully dedicated to serving primarily on maintenance contracts for the petrochemical industry in the Benelux but also for all parts to Subsea and Powergen.