

HIGH INTEGRITY BOLTING



**Beck Crawford**

Tightening up on Performance

## KEY NUMBERS



Over  
**600**  
people

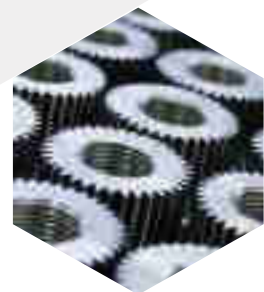
**10**  
industrial  
sites

Over  
**100,000 m<sup>2</sup>**  
of production  
and storage space

Over  
**30**  
million euros  
of stock

More than  
**3,000**  
clients  
in the world

An industrial group  
that **produces, stocks and distributes**  
all over the world



## Beck Industries

The Beck Industries group is currently amongst the **world leaders in high integrity bolting production** for the energy, oil and mechanical industry sectors.

Almost a century after it was created, Beck Industries is still a family business, faithful both to its will for industrial control, and to its **innovating and service culture**.

Each Beck Industries site produces, stocks and distributes its own products in close proximity to its clients. This organisation, which is ingrained into our DNA, guarantees the quality and availability of many references, whatever the circumstances.

## High integrity bolting offer

### STANDARDISED BOLTING

We have the capacity to produce a wide range of products meeting the ASTM, DIN, ASME, RCCM, ANSI, AFNOR or EN standards: threaded rods, nuts, screws, pins, caps, couplings, etc. and in a wide range of materials: carbon steels, stainless steel, nickel alloys, duplex and super-duplex, non ferrous, etc.

### CUSTOM BOLTING

We can produce any type of part, including tie rods, couplings and specialised washers according to your drawings and specifications.

### TIGHTENING TOOLS

Beck industrie's Beck Tight brand designs and produces hydraulic or mechanical extension tightening solutions: nuts and stretchers.

# Beck Crawford Singapore Pte Ltd



The organization was first established in 1970 as Crawford Singapore Pte Ltd. With its goodwill and reputation built from close to 50 years of experience and commitment in the highly competitive market, Crawford Singapore Pte Ltd has gained the respect and support of the many major names in the Oil, Gas, Petrochemical, Construction and Shipbuilding Industries.

In late 2015, Crawford Singapore Pte Ltd was acquired by Beck Industries International, one of the largest manufacturer in the world of bolting.

Beck Industries International established in 1918, through the original factory Beck Crespel in France, it has evolved into a leading and globally respected manufacturer of Stud bolts, Nuts and Special Fasteners for the use in the Oil, Gas, Petrochemical, Power Generation and Nuclear industries.

To reflect the new era, as a part of Beck Industries International Group, the name was changed to Beck Crawford Singapore Pte Ltd.

The group's presence can now be felt over 3 continents, spreading across 6 countries with 10 sites operating across the world.

Beck Crawford Singapore Pte Ltd is the one and only subsidiary of the Beck Industries International in the Asia Pacific region. It will be responsible for all business operations of the group in within the region and strives to deliver the group's commitment in servicing and supporting global clients through a regional hub.



It is with pride that Beck Crawford Singapore Pte Ltd's quick response when meeting customers' requirements and the ability in meeting the exacting standards of quality and service demanded by diverse customer base is widely recognized.

# Beck Crawford Inventory

# 1



## ► Alloy & Carbon Steel

ASTM		AISI	BS	Werstoff	UNS	EU	DIN
A193	B5	501	3606-625	1,7362		X15CrMo5-1	12CRM0-19-5
A193	B6	410	410S21	1,4006			(G-)X10CR13
A193	B7	4140/4142	708M40	1,7225	G41400/G41420	42CrMo4	42CrMo4
A193	B7M	4140/4142	708M40	1,7225	G41400/G41420	42CrMo4	42CrMo4
A193	B16	410	410S21	1,4006			(G-)X10CR13
A307	GR.A/B			1,7711	K14072	40CrMoV4-6	40CrMoV4-6
A320	L7	4140/4142	708M40	1,7225	G41400/G41420	42CrMo4	42CrMo4
A320	L7M	4140/4142	708M40	1,7225	G41400/G41420	42CrMo4	42CrMo4
A320	L43	4340		1,6565	G43400	40CrNiMo7-3	
F3125	A325 - 1						
F3125	A325 - 3						
F3125	A490 - 1						
F3125	A490 - 3						



## ► Stainless Steel

ASTM		AISI	BS	Werstoff	UNS	EU	DIN
A193	B8	304	304S15	1,4301	S30400	XrCrNi18-10	X5CrNi18-9
A193	B8 CL2	304	304S15	1,4301	S30400	XrCrNi18-10	X5CrNi18-9
A193	B8A	304	304S15	1,4301	S30400	XrCrNi18-10	X5CrNi18-9
A193	B8C	347	347S17	1,4550	S34700		X10CrNiNb
A193	B8C CL2	347	347S17	1,4550	S34700		X10CrNiNb
A193	B8CA	347	347S17	1,4550	S34700		X10CrNiNb
A193	B8M	316	316S16	1,4401	S31600	X5CrNiMo17-12-2	X5CrNiMo17-12-2
A193	B8M CL2	316	316S16	1,4401	S31600	X5CrNiMo17-12-2	X5CrNiMo17-12-2
A193	B8M CL2B	316	316S16	1,4401	S31600	X5CrNiMo17-12-2	X5CrNiMo17-12-2
A193	B8M CL2C	316	316S16	1,4401	S31600	X5CrNiMo17-12-2	X5CrNiMo17-12-2
A193	B8MA	316	316S16	1,4401	S31600	X5CrNiMo17-12-2	X5CrNiMo17-12-2
A193	B8T	321	321S12	1,4541	S32100	X6CrNiTi18-10	X10CrNiMoTi18-10
A193	B8T CL2	321	321S12	1,4541	S32100	X6CrNiTi18-10	X10CrNiMoTi18-10
A193	B8TA	321	321S12	1,4541	S32100	X6CrNiTi18-10	X10CrNiMoTi18-10
A320	B8	304	304S15	1,4301	S30400	XrCrNi18-10	X5CrNi18-9
A320	B8 CL2	304	304S15	1,4301	S30400	XrCrNi18-10	X5CrNi18-9
A320	B8A	304	304S15	1,4301	S30400	XrCrNi18-10	X5CrNi18-9
A320	B8C	347	347S17	1,4550	S34700		X10CrNiNb
A320	B8C CL2	347	347S17	1,4550	S34700		X10CrNiNb
A320	B8CA	347	347S17	1,4550	S34700		X10CrNiNb
A320	B8M	316	316S16	1,4401	S31600	X5CrNiMo17-12-2	X5CrNiMo17-12-2
A320	B8M CL2	316	316S16	1,4401	S31600	X5CrNiMo17-12-2	X5CrNiMo17-12-2
A320	B8MA	316	316S16	1,4401	S31600	X5CrNiMo17-12-2	X5CrNiMo17-12-2
A320	B8T	321	321S12	1,4541	S32100	X6CrNiTi18-10	X10CrNiMoTi18-10
A320	B8T CL2	321	321S12	1,4541	S32100	X6CrNiTi18-10	X10CrNiMoTi18-10
A320	B8TA	321	321S12	1,4541	S32100	X6CrNiTi18-10	X10CrNiMoTi18-10
A453	660A	660		1,4980			
A453	660B	660		1,4980			
A453	660C	660		1,4980			
A453	660D	660		1,4980			
A564	630	630					



## ► Heavy Hex Nut

ASTM		AISI	BS	Werstoff	UNS	EU	DIN
A194	GR.2	1045	080 M46	1,1191		C45 E	Ck 45
A194	GR.2H	1045	080 M46	1,1191		C45 E	Ck 45
A194	GR.2HM	1045	080 M46	1,1191		C45 E	Ck 45
A194	GR.3	501		1,7362	S50100		
A194	GR.4L						
A194	GR.6	410	410S21	1,4006	S41000	X12Cr13	(G-)X10Cr13
A194	GR.6F	410	410S21	1,4006	S41000	X12Cr13	(G-)X10Cr13
A194	GR.7L	4140/4142	708M40	1,7225	G41400/G41420	42CrMo4	42CrMo4
A194	GR.7M	4140/4142	708M40	1,7225	G41400/G41420	42CrMo4	42CrMo4
A194	GR.8	304	304S15	1,4301	S30400	XrCrNi18-10	X5CrNi18-9
A194	GR.8A	304	304S15	1,4301	S30400	XrCrNi18-10	X5CrNi18-9
A194	GR.8C	347	347S17	1,4550	S34700		X10CrNiNb
A194	GR.8CA	347	347S17	1,4550	S34700		X10CrNiNb
A194	GR.8M	316	316S16	1,4401	S31600	X5CrNiMo17-12-2	X5CrNiMo17-12-2
A194	GR.8MA	316	316S16	1,4401	S31600	X5CrNiMo17-12-2	X5CrNiMo17-12-2
A194	GR.8T	321	321S12	1,4541	S32100	X6CrNiTi18-10	X10CrNiMoTi18-10
A194	GR.8TA	321	321S12	1,4541	S32100	X6CrNiTi18-10	X10CrNiMoTi18-10

## ► Duplex & Super Duplex

ASTM		BS	Werstoff	UNS	EU	DIN
A182	F51	Duplex		1,4462	S31803	
A182	F44	Super Duplex		1,4529	S31254	
A182	F53	Super Duplex		1,4468	S32750	
A182	F55	Super Duplex		1,4496	S32760	
A479	F61	Super Duplex		1,4515	S32550	



## ▶ Stainless Steel

ASTM		AISI	BS	Werstoff	UNS	EU	DIN
A193	B8	5304	304S15	1,4301	S30400	XrCrNi18-10	X5CrNi18-9
A193	B8 CL2	304	304S15	1,4301	S30400	XrCrNi18-10	X5CrNi18-9
A193	B8A	304	304S15	1,4301	S30400	XrCrNi18-10	X5CrNi18-9
A193	B8C	347	347S17	1,4550	S34700		X10CrNiNb
A193	B8C CL2	347	347S17	1,4550	S34700		X10CrNiNb
A193	B8CA	347	347S17	1,4550	S34700		X10CrNiNb
A193	B8M	316	316S16	1,4401	S31600	X5CrNiMo17-12-2	X5CrNiMo17-12-2
A193	B8M CL2	316	316S16	1,4401	S31600	X5CrNiMo17-12-2	X5CrNiMo17-12-2
A193	B8M CL2B	316	316S16	1,4401	S31600	X5CrNiMo17-12-2	X5CrNiMo17-12-2
A193	B8M CL2C	316	316S16	1,4401	S31600	X5CrNiMo17-12-2	X5CrNiMo17-12-2
A193	B8MA	316	316S16	1,4401	S31600	X5CrNiMo17-12-2	X5CrNiMo17-12-2
A193	B8T	321	321S12	1,4541	S32100	X6CrNiTi18-10	X10CrNiMoTi18-10
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A564	630	630					

# Coatings/ Surface treatment



**Experienced in all aspects of our clients' needs leads Beck Crawford Singapore in providing a wide range of coating for all industry.**

## Electro Plating

- zinc bicromate
- zinc passivated
- zinc nickel
- cadmium

## Electroless Plating

- nickel

## Galvanizing

- hot dipped
- mechanical
- centrifugal

## Others

- sheradised
- zinc flake
- xylan
- xylar



In 1998, we started our proprietary Xylar and Xylan Coating line. What set Beck Crawford Singapore apart from others, is that the coating process is made entirely in-house, allowing them to monitor and maintain the quality and integrity of the coating.

Through our "Quality Management System", all finished products are put through to the strictest possible tests.

In 2009, in recognition for the excellent standards set in their application of Xylan and Xylar, Beck Crawford Singapore were appointed by Whitford Worldwide as their Quality Approved Coater and were presented with the Approved Coater Seal.



One step  
ahead

## to better tighten performance

**Quality is a priority issue, because our clients manage installations that entail a risk to populations and the environment. We have built our business model on this requirement, while guaranteeing the competitiveness of our offer on the international market.**

### CONTROLLED QUALITY

Our control of quality is firstly founded on the capitalisation of our wide-ranging industrial know-how: the internalisation of processes and tools, along with safety and risk management culture.

### THE BEST IN INNOVATION

To optimise our efficiency, the reliability of our processes, products and services, we have implemented a continuous improvement program: participative management, rewards for innovation, massive investments in training and leading edge equipment on all our sites.

### A SENSE OF SERVICE

We will always try to establish a long term relationship with our clients based on feedback, the sense of responsibility, reliability and the proactive implementation of solutions: the search for technical solutions, bundled offers, continuous improvement programme.

### TEAM SPIRIT

As a family-owned industrial group, we build our future success on the long term trust we have nurtured with our employees: positive management, transparency, loyalty, ethics and the business's environmental and societal responsibility acknowledged by all.



# BECK INDUSTRIES

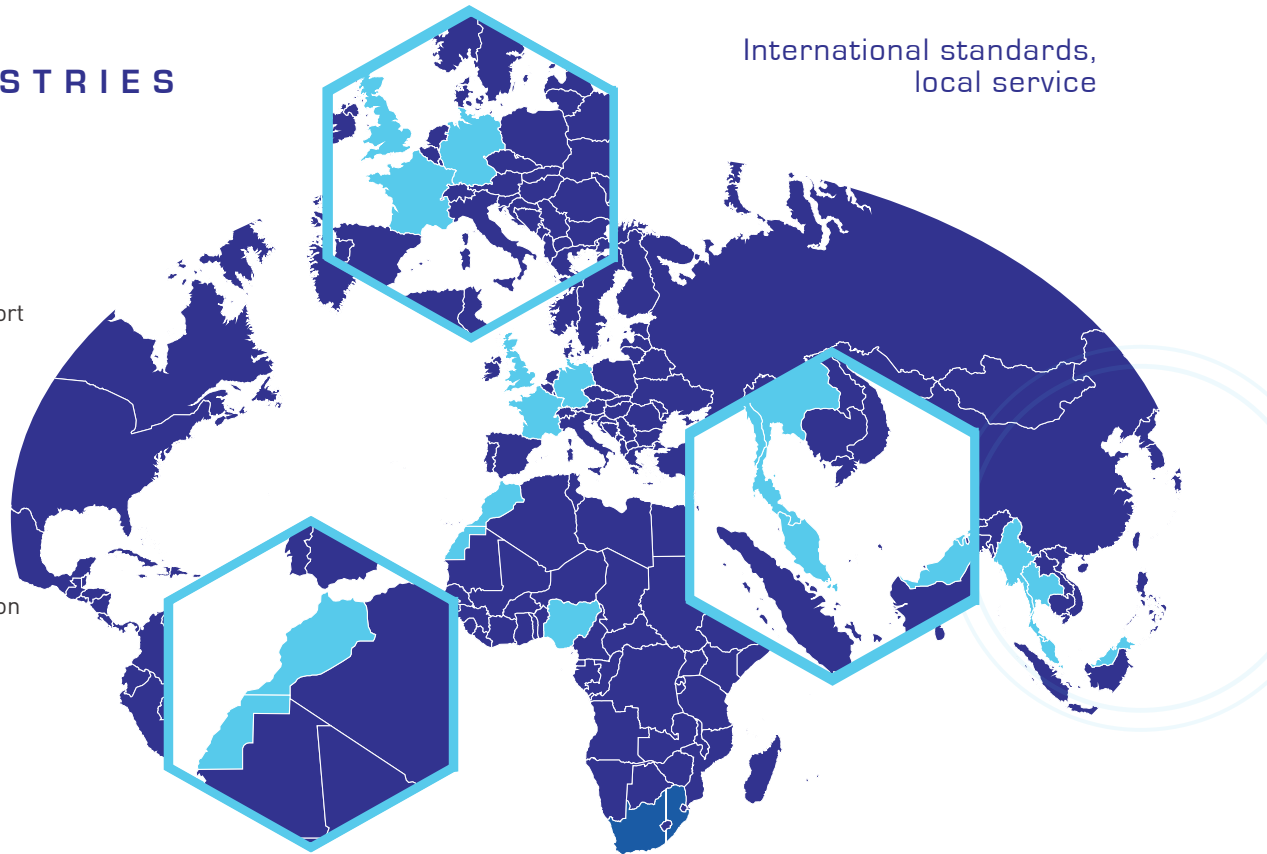
International standards,  
local service

## International locations

The 10 Beck Industries production sites have a significant proportion of export sales. Our sites guarantee you a competitive and quality service wherever you may be.

## One-day shipping anywhere in the world

We have a flexible production and storage facility capable of managing your emergencies: shipping in 24 hours.



### Beck Crespel

40 rue des Fusillés, 59280 Armentières - France  
+ 33 (0) 320 777 888  
info@beckcrespel.fr

### Beck Technologies

La Chaudeau, 70320 Aillevillers et Lyaumont - France  
+ 33 (0) 384 499 000  
info@becktechnologies.fr

### Cousin et Malicet

21 Rue Bernisseaux, 08120 Bogny-sur-Meuse - France  
+ 33 (0) 324 371 515  
info@cousinmalicet.fr

### Beck Tight

40 rue des Fusillés, 59280 Armentières - France  
+ 33 (0) 320 777 888  
info@becktight.com

### Beck Nord Afrique

Parc Industriel, Ain Johra, Sidi Boukhalkhal - Tiflet - Morocco  
info@beck-na.ma



### Walter Hasenkämper GmbH

Eisenstrasse 3-5, 58135 Hagen - Deutschland  
+49 (0) 2331 98118 0  
info@wh-schrauben.de

### BC Deutschland

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+ 49 (0) 2385 922 00 0  
info@bcdeutschland.de

### Beck Prosper

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