

# Kellner & Kunz AG

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## EN 15048

CE-compliant bolting assemblies for steel structures

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# Kellner & Kunz

*Your partner for new requirements for steel constructions!*

The European Union (EU) released the Eurocode 3 - EN 1993-1-8 for the construction and correct implementation of steel constructions. Products which were produced according to european guidelines, have a CE mark. Bolting assemblies are described in the subordinated standard EN 1090-2.

**This standard consists of two parts:**

Preloaded and non preloaded bolting assemblies (screws and nuts).

**The preloaded structural bolting assemblies need to comply with the EN 14399 requirements:**

Part 1: General requirements

Part 4: Screws and nuts (previously DIN 6914-6915)

Part 6: Washers (previously DIN 6916)

Since many years we have been offering a wide product range in this.

**The non preloaded structural bolting assemblies need to comply with the EN 15048 requirements:**

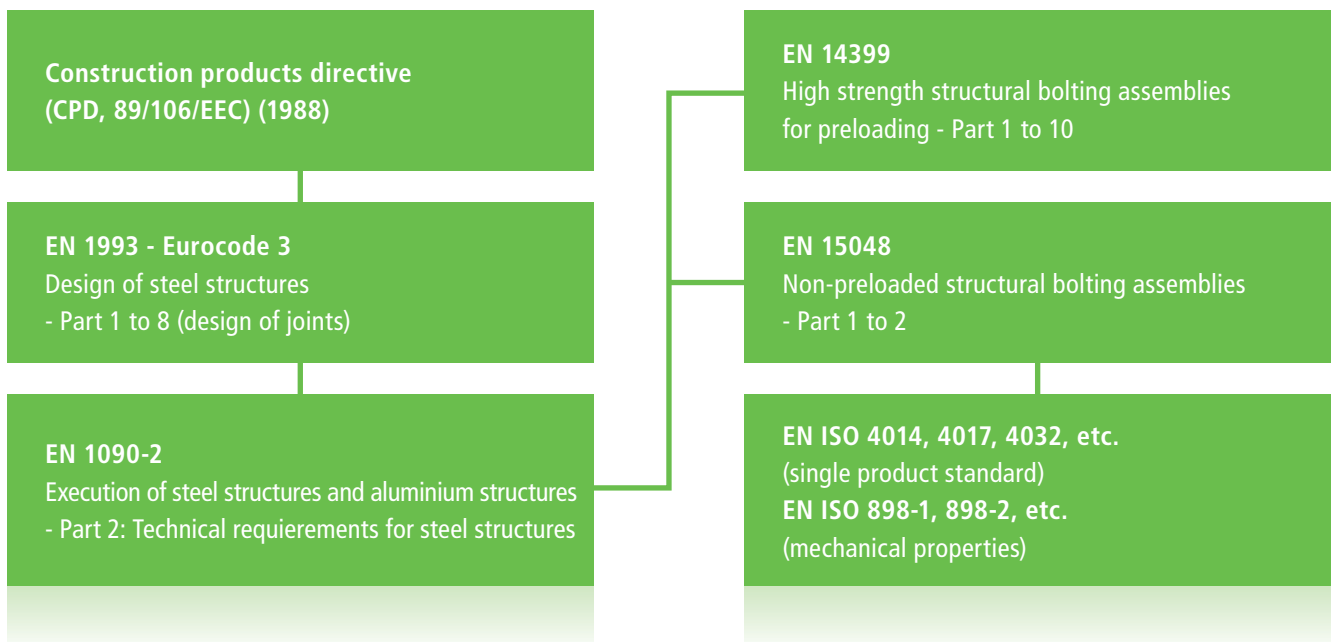
Part 1: General requirements

Part 2: Fitness for purpose

**These new requirements for manufacturing companies will take effect in most european countries on July 1st 2014.**

As most steel constructions are built with non preloaded structural bolting assemblies, the demand for such fasteners will grow continuously.

Kellner & Kunz has been ready to supply structural bolts (assemblies for steel constructions) according to **standard EN 15048-1** since beginning of 2013.




# CERTIFICATE

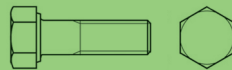
## Conformity of the Factory Production Control

**2451-CPR-EN15048-2014.0002.004**

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 the Construction Products Regulation or CPR, this certificate applies to the construction product:

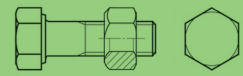
<b>Construction product</b>	<b>Components of sets of bolt, nuts and washers for non-preloaded structural bolting assemblies</b>
<b>Intended use</b>	Series of bolt, nuts and washers for metal
<b>CE – marking method</b>	ZA. 2 according to EN 15048-1:2007
<b>Manufacturer</b>	<b>Kellner &amp; Kunz AG</b> Boschstraße 37 4600 Wels Austria
<b>Manufacturing plant</b> production facility of the manufacturer	Kellner & Kunz AG Boschstraße 37 4600 Wels Austria
<b>Confirmation</b>	This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard  <b>EN 15048-1:2007</b>  under system 2+ are applied, and that the factory production control fulfills all the prescribed requirements setout above.
<b>Start of validity</b> date of issue	21.11.2012
<b>Next surveillance audit</b>	20.11.2017
<b>Period of validity</b>	This certificate will remain valid as long as the test methods and/or the factory production control requirements included in the harmonised standard used to assess the performance of declared characteristics do not change, and the product and the manufacturing conditions in the plant are not modified significantly.
<b>Remarks</b>	see reverse
<b>Place and date of issue</b> Auditor	Düsseldorf, 07.04.2017 Berg
	 Dipl.-Ing. Gurschke Head of certification body

**ISO 4014-8.8 zinc plated A3K**  
Screws packed separately



d / l	M 12	M 16	M 20	M 24
50 VPE	0053 312 50 100			
55 VPE	0053 312 55 100			
60 VPE	0053 312 60 100			
65 VPE	0053 312 65 50	0053 316 65 25		
70 VPE	0053 312 70 50	0053 316 70 25		
75 VPE	0053 312 75 50	0053 316 75 25		
80 VPE	0053 312 80 50	0053 316 80 25	0053 320 80 25	
90 VPE	0053 312 90 50	0053 316 90 25	0053 320 90 25	0053 324 90 10
100 VPE	0053 312 100 50	0053 316 100 25	0053 320 100 25	0053 324 100 10
110 VPE	0053 312 110 50	0053 316 110 25	0053 320 110 25	0053 324 110 10
120 VPE	0053 312 120 50	0053 316 120 25	0053 320 120 25	0053 324 120 10
130 VPE		0053 316 130 25	0053 320 130 25	0053 324 130 10
140 VPE		0053 316 140 25	0053 320 140 25	0053 324 140 10
150 VPE		0053 316 150 25	0053 320 150 20	0053 324 150 10
160 VPE		0053 316 160 25	0053 320 160 10	0053 324 160 10
170 VPE			0053 320 170 10	0053 324 170 10
180 VPE			0053 320 180 10	0053 324 180 10

**ISO 4014-8.8U/4032-8 hot-dip galvanized**  
Screws and nuts packed together



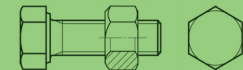
d / l	M 12	M 16	M 20	M 24
50 VPE	3053 012 50 100			
55 VPE	3053 012 55 100			
60 VPE	3053 012 60 100			
65 VPE	3053 012 65 50	3053 016 65 25		
70 VPE	3053 012 70 50	3053 016 70 25		
75 VPE	3053 012 75 50	3053 016 75 25		
80 VPE	3053 012 80 50	3053 016 80 25	3053 020 80 25	
90 VPE	3053 012 90 50	3053 016 90 25	3053 020 90 25	3053 024 90 10
100 VPE	3053 012 100 50	3053 016 100 25	3053 020 100 25	3053 024 100 10
110 VPE	3053 012 110 50	3053 016 110 25	3053 020 110 25	3053 024 110 10
120 VPE	3053 012 120 50	3053 016 120 25	3053 020 120 25	3053 024 120 10
130 VPE		3053 016 130 25	3053 020 130 25	3053 024 130 10
140 VPE		3053 016 140 25	3053 020 140 25	3053 024 140 10
150 VPE		3053 016 150 25	3053 020 150 25	3053 024 150 10
160 VPE		3053 016 160 25	3053 020 160 10	3053 024 160 10
170 VPE			3053 020 170 10	3053 024 170 10
180 VPE			3053 020 180 10	3053 024 180 10

**ISO 4017-8.8 zinc plated A3K**  
Screws packed separately



d / l	M 12	M 16	M 20	M 24
20 VPE	0057 312 20 100			
25 VPE	0057 312 25 100	0057 316 25 50		
30 VPE	0057 312 30 100	0057 316 30 50	0057 320 30 50	
35 VPE	0057 312 35 100	0057 316 35 50	0057 320 35 25	
40 VPE	0057 312 40 100	0057 316 40 50	0057 320 40 25	0057 324 40 25
45 VPE	0057 312 45 100	0057 316 45 50	0057 320 45 25	0057 324 45 25
50 VPE	0057 312 50 100	0057 316 50 50	0057 320 50 25	0057 324 50 25
55 VPE		0057 316 55 50	0057 320 55 25	0057 324 55 25
60 VPE		0057 316 60 50	0057 320 60 25	0057 324 60 25
65 VPE			0057 320 65 25	0057 324 65 25
70 VPE			0057 320 70 25	0057 324 70 25
75 VPE			0057 320 75 25	0057 324 75 25
80 VPE				0057 324 80 25

**ISO 4017-8.8U/4032-8 hot-dip galvanized**  
Screws and nuts packed together



d / l	M 12	M 16	M 20	M 24
20 VPE	3057 012 20 100			
25 VPE	3057 012 25 100	3057 016 25 50		
30 VPE	3057 012 30 100	3057 016 30 50	3057 020 30 25	
35 VPE	3057 012 35 100	3057 016 35 50	3057 020 35 25	
40 VPE	3057 012 40 100	3057 016 40 50	3057 020 40 25	3057 024 40 25
45 VPE	3057 012 45 100	3057 016 45 50	3057 020 45 25	3057 024 45 25
50 VPE		3057 016 50 50	3057 020 50 25	3057 024 50 25
55 VPE		3057 016 55 50	3057 020 55 25	3057 024 55 25
60 VPE		3057 016 60 50	3057 020 60 25	3057 024 60 25
65 VPE			3057 020 65 25	3057 024 65 25
70 VPE			3057 020 70 25	3057 024 70 25
75 VPE			3057 020 75 25	3057 024 75 25
80 VPE				3057 024 80 25

**ISO 4032-8 zinc plated A3K**  
Screws packed separately



d	M 12	M 16	M 20	M 24
VPE	0317 312 100 / 200	0317 316 50 / 200	0317 320 50 / 100	0317 324 25 / 50

**ISO 7089 200HV feuerverzinkt**  
Screws packed separately



d	M 12	M 16	M 20	M 24
VPE	3407 200 12 100 / 500	3407 200 16 50 / 200	3407 200 20 50 / 200	3407 200 24 25 / 100

**ISO 7089 200HV zinc plated A3K**  
Screws packed separately



d	M 12	M 16	M 20	M 24
VPE	2407 200 312 100 / 500	2407 200 316 50 / 200	2407 200 320 50 / 200	2407 200 324 25 / 100

**We offer the following items especially for shelf construction:**

- 0053 310 80 SB-screws EN 15048 A3K 4014-8.8 M10 x 80 CE
- 0057 310 25 SB-screws EN 15048 A3K 4017-8.8 M10 x 25 CE
- 0369 310 SB-prevailing torque (all metal) hexagon high EN 15048 A3K 7042-8 M10 CE
- 2407 200 310 SB-washers EN 15048 A3K 7089 200HV M10 CE

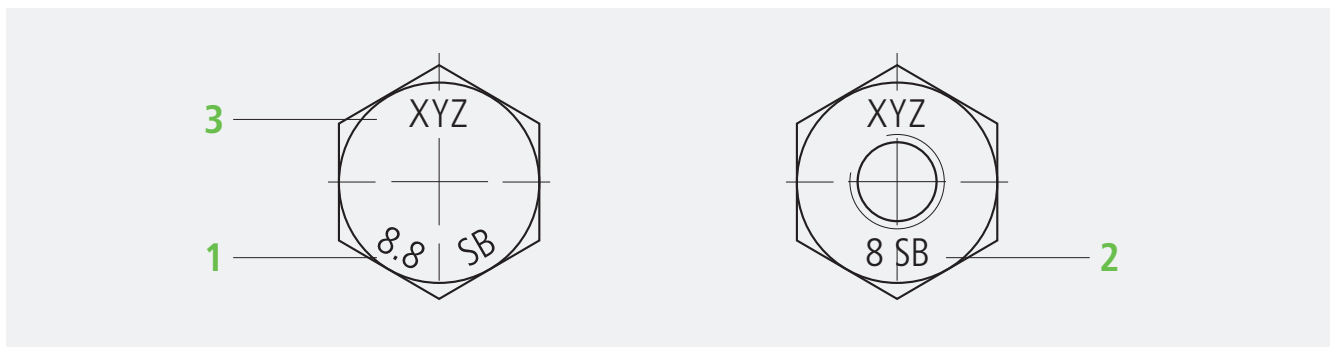
To ensure the traceability of the batch number, the delivery is only possible in full packing units.



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**Screws and nuts have the following markings:**

- 1 Property class
- 2 The special marking „SB“ (Structural Bolting)
- 3 The manufacturer's headmark



**The boxes have the following markings:**

- CE-marking
- Batch number
- Reference to EN 15048-1
- Certificate number of in-house production control
- Dimension
- Property class
- Product description  
(ISO-standard for screws ISO 4014 or 4017 and ISO 4032 for nuts )

<b>Kellner &amp; Kunz AG</b>	
RECA   HÄLT. WIRKT. BEWEGT. CE-Kennzeichnung gilt nur bei Verwendung als Garnitur	
	EN 15048-1 ISO 4014
<b>M 12x80</b>	50 Stück
Sechskantschraube	0053 312 80
<b>Stahl 8.8, A3K</b>	
Charge: 00000000	Dop Nr.: AT SB 15048 A3K 2014-08 2451 – CPR - EN 15048-2014-0002
<b>www.reca.co.at</b>	

Sample label: Hexagon screw M 12x80



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