



HV BOLTS

Preloaded quality-assured bolts

Stafa is the European supplier of HV bolts. Stafa has access to a large stock of structural bolts which meet the current international standards.

- ✓ Preloaded bolt/nut/washer assemblies
- ✓ Certified according to EN 14399-4-6 / 10.9 K1 (nut lubricated with MoS2)
- ✓ Hot dip galvanized according to ISO 10684

Request a free quote
Tel.: +31 495 599 888

📍 Den Engelsman 18
6026 RB Maarheeze
The Netherlands

☎ +31 495 599 888
✉ info@stafa.nl
📄 stafa.nl



High-quality bolts

The 'HV' mark comes from the German term 'Hochfest Vorgespannt'. This refers to a HV preloaded bolt, applied in a bolt/nut/washer assembly according to the EN 14399/4-6 standard. These bolt connections are used in preloaded steel constructions. Stafa guarantees that bolt/nut/washer assemblies are supplied in accordance with the specifications for the standard.

EN 14399 requirements

- ✓ Bolts, nuts, washers shall be supplied together as a set by one manufacturer
- ✓ High-strength structural bolting assemblies are suitable for preloading in accordance with EN 1090-2 in steel structures
- ✓ All according to EN 14399-1 general requirements and EN 14399-2 Suitability for preloading

Marking of bolts, nuts and rings for EN 14399

- ✓ **Bolts:** Property class, manufacturer ID, HV, lot number
- ✓ **Nuts:** Property class, manufacturer ID, HV, lot number
- ✓ **Washers:** H and manufacturer ID

Labelling for EN 14399

- ✓ CE marking, consisting of the "CE"-symbol
- ✓ Identification number of the notified production control certification body
- ✓ Name and the registered address of the manufacturer, or identifying mark
- ✓ Last two digits of the year in which the CE marking was first affixed
- ✓ Reference number of the DoP - No. of European standard applied, as referenced in OJEU
- ✓ Unique identification code of the product-type
- ✓ Intended use of the product as laid down in the European standard applied
- ✓ Level or class of the performance declared



EN 14399 - 4 / 10.9 K1 HDG

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30	•						
35	•	•					
40	•	•	•				
45	•	•	•				
50	•	•	•				
55	•	•	•	•			
60	•	•	•	•	•		
65	•	•	•	•	•		
70	•	•	•	•	•	•	
75	•	•	•	•	•	•	
80	•	•	•	•	•	•	
85	•	•	•	•	•	•	•
90	•	•	•	•	•	•	•
95	•	•	•	•	•	•	
100	•	•	•	•	•	•	•
105		•	•	•	•	•	•
110		•	•	•	•	•	•
115		•	•	•	•	•	•
120		•	•	•	•	•	•
125		•	•	•	•	•	•
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145			•	•	•	•	•
150			•	•	•	•	•
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200			•	•	•	•	•

