

# Certificate

## Special process: mechanical joining

BER09-EN1090-2.M-0001.2017.004

The inspection body

**GSI mbH, Niederlassung SLV Berlin-Brandenburg**

has evaluated the requirements of the factory production control based on the technical specifications for the mechanical joining in the manufacturing plant.

**Manufacturer:** TAKRAF GmbH  
Bahnhofstraße 26  
01979 Lauchhammer  
GERMANY

**Construction product:** Steel structure components acc. to EN 1090-2 up to EXC3

**Technical specifications:** EN 1090-2, chapter 8, 11 and 12, annex H, J and M

**Joining process(es):** Tightening torque method  
Manual tightening by hand  
Combining method for pretensioning  
Direct force indicator method

**Responsible supervisor:** Maurice Zapke born on 1976-07-28  
Title, first name, family name, date of birth,  
technical qualification) Construction mechanics/supervisor  
Assembly area production

**Deputy:** -  
(Title, first name, family name, date of birth,  
technical qualification)

**Confirmation:** Based on the provisions of the above mentioned technical specifications all requirements concerning the mechanical joining were fulfilled.

**Validity start:** 2017-02-01

**Period of validity:** 2029-02-04

This certificate will remain valid as long as the above mentioned technical specifications or the manufacturing conditions in the manufacturing plant are not modified significantly.

**Remarks:** The CE-marking of steel structure components is only authorized the manufacturer mentioned in the certificate for the factory production control.

**Place and date of issue:** Berlin, 2026-02-10



Dipl.-Wi.-Ing. Nowak  
Representative of the Head of the inspection body