



Declaration of Performance



1. Identification code of the product type: **244220-211**
High performance anchor, Q SZ-S 12, 316; 244220-211 , 12 x 105 mm, QS-562, MOD 4220

2. Batch / LOT No.: See sticker at the package

3. Purpose: Component of a railing system

Generic type	torque controlled expansion anchor (sleeve type)
For use in	cracked and non-cracked concrete, C20/25 - C50/60 (EN 206)
Option	1
Loading	Static or quasi static, seismic, category C1 + C2
Material	Stainless steel 316 Internal and external use without particular aggressive conditions
Temperature range (if applicable)	-

4. Authorized representative: *J.*

5. Manufacturer: Q-railing Europe GmbH & Co.KG
Marie-Curie-Straße 8 – 14
D-46446 Emmerich am Rhein

6. System of assessment and verification of constancy of performance: System 1

7. Harmonised Norm: ETA-02/0030 EAD 330232-00-0601

8. Notified body: **DIBT**
Deutsches Institut für Bautechnik Berlin

9. Declared performance:

Essential characteristics	Design method	Performance	Harmonized Technical Specification
Characteristic resistance for tension	Fpr EN 1992-4 and TR 055	C2, C4	EAD 330232-00-0601
Characteristic resistance for shear	Fpr EN 1992-4 and TR 055	C6	
Characteristic resistance for seismic loading	Fpr EN 1992-4 and TR 055	C8	
Displacement for serviceability limit state	Fpr EN 1992-4 and TR 055	C11	
Characteristic resistance under fire exposure	Fpr EN 1992-4 and TR 055	C9	

Responsible for creating the declaration of performance is the manufacturer specified in Section 5. Signed on behalf of the manufacturer and the name of the manufacturer:

Sean Bartlett
Head of factory production control
Emmerich am Rhein