



# Declaration of Performance

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Doc.: PMCE

1. Identification code of the product type: **244110-190**  
Anchorbolt, Q BZ, 316; 244110-190 , M10 x 90 mm, QS-58, MOD 4110

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

3. Purpose: Component of a railing system

Generic type	torque controlled expansion anchor (bolt 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-99/0010 ETAG 001-2

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

9. Declared performance:

Essential characteristics	Design method	Performance	Harmonized Technical Specification
Characteristic resistance for tension	ETAG 001, Annex C CEN/TS 1992-4	Annex C2 & C4	ETAG 001
Characteristic resistance for shear	ETAG 001, Annex C CEN/TS 1992-4	C5	
Characteristic resistance for seismic loading	TR 045	C6	
Displacement for serviceability limit state	ETAG 001, Annex C CEN/TS 1992-4	C9, C10	
Characteristic resistance under fire exposure	TR 020 CEN/TS 1992-4	C7, C8	

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