

Declaration of Performance No. DOP_JTA_1124_EN

JORDAHL® Anchor Channel JTA, JZA, JXA and JXA-PC



1. Unique identification code of the product-type:

JORDAHL® anchor channel JTA, JZA, JXA and JXA-PC

2. Generic type and use

Transmission of static and quasi-static tensile and shear loads (perpendicular to and in the axis of the channel) in cracked and non-cracked concrete by means of T-shaped bolts inserted into the cast-in channel. Suitable for fire, fatigue and earthquake exposure.

3. Product sizes

JTA K28/15 with JD M6 to M12; JTA K38/17 with JH M10 to M16; JTA K40/25 with JC M10 to M16; JTA W40/22 and W40+ with JC M10 to M16 and JKC M12 to M16; JTA K50/30, K53/34 with JB M10 to M20; JTA W50/30, W50+, W53/34 with JB M10 to M20 and JKB M16 to M20; JTA W55/42 with JB M10 to M24; JTA K72/48, W72/48 with JA M20 to M30; JZA K41/22 with JZS M12 to M16; JXA W29/20 with JXD M10 to M12; JXA W38/23 with JXH M12 to M16, JXA W53/34 and JXA W53/34-PC with JXB M16 to M20; JXA W64/44 with JXE M20 to M24

4. Trade Mark / Manufacturer:

JORDAHL®

PohlCon GmbH, Nobelstraße 51, 12057 Berlin, Germany

5. System(s) for assessing and verifying constancy of performance:

System 1

6. Technical Assessment

European Assessment Document:

EAD 330008-04-0601-V01, Edition 03/2024

European Technical Assessment:

ETA-09/0338, Date: 18.06.2024

Technical Assessment Body:

Deutsches Institut für Bautechnik (DIBt), Kolonnenstr. 30B, 10829 Berlin

Notified body:

DVS ZERT GmbH, Aachener Straße 172, 40223 Düsseldorf

Certificate of Conformity:

2451-CPR-EAD-2018.0001.007

7. Declared performance

Essential characteristics	Performance
Characteristic resistance under static and quasi-static loading	
Resistance to steel under tensile load	ETA-09/0338, Annex C1-C7 *)
Resistance to concrete failure under tensile load	ETA-09/0338, Annex C8-C11 *)
Resistance to steel failure under shear load perpendicular to the longitudinal axis of the channel	ETA-09/0338, Annex C13-C16 *)
Resistance to steel failure under shear load in the longitudinal direction of the channel	ETA-09/0338, Annex C13-C16 *)
Resistance to concrete failure under shear load	ETA-09/0338, Annex C17-C18 *)
Resistance under combined tensile and shear loads	ETA-09/0338, Annex C22 *)
Characteristic resistance under fatigue loading	
Resistance to steel under tensile load	ETA-09/0338, Annex C23-C25 *)
Resistance to concrete failure under tensile load	ETA-09/0338, Annex C23-C25 *)
Fatigue resistance to steel failure under shear load in the longitudinal and perpendicular direction of the channel	ETA-09/0338, Annex C26 *)
Fatigue resistance to concrete failure under shear load in the longitudinal and perpendicular direction of the channel	ETA-09/0338, Annex C26 *)
Fatigue resistance under combined tensile and shear loads	ETA-09/0338, Annex C27 *)

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Characteristic resistance under seismic loading	
Seismic resistance to steel under tensile load	ETA-09/0338, Annex C29-C34 *)
Seismic resistance to steel failure under shear load perpendicular to the longitudinal axis of the channel	ETA-09/0338, Annex C35-C39 *)
Seismic resistance to steel failure under shear load in the longitudinal direction of the channel	ETA-09/0338, Annex C35-C37 *)
Reaction to fire	Class A1
Resistance to fire	ETA-09/0338, Annex C40-C42 *)
Durability	ETA-09/0338, Annex B1 *)

The performance of the product identified in point 1 is in conformity with the declared performance in point 6. This declaration of performance is issued under the sole responsibility of the manufacturer. Signed for and on behalf of the manufacturer by:



Berlin 01.11.2024

Björn Wingerter Head of engineering and product
development, shell construction / facade

*) [Further information](https://pohlcon.com/en/products/fastening/anchor-channels) pohlcon.com/en/products/fastening/anchor-channels