

DECLARATION OF PERFORMANCE
HALFEN DETAN-E Tension rod system

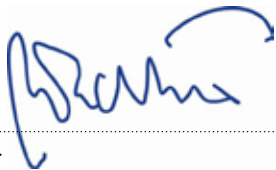
CONF-DOP_DT-E 06/13-E
No. H58-11/0311

1.	Unique identification code of the product-type	HALFEN DETAN-E Tension rod system
2.	Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)	HALFEN DETAN-E Tension Rod System See ETA-11/0311, Annex 1 - 10
3.	Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:	
	Generic type and use	Prefabricated tension rod system consisting of tension rods, fork end connector, double shear pin connectors, gusset plates, anchor discs and couplers
	Product size covered	Tension rods with metric ISO threads M 6 to M 30
	Material properties of the components	see ETA-11/0311, Annex 2
	Loading	Predominantly static tension loads
4.	Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)	HALFEN GmbH, Liebigstraße 14, 40764 Langenfeld, Germany
5.	Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2)	-
6.	System or systems of assessment and verification of consistency of performance of the construction product as set out in Annex V	System 2+
7.	In case the declaration of performance is for a construction product covered by a harmonised standard	-
8.	In case the declaration of performance is for a construction product for which a European Technical Assessment has been issued	Deutsches Institut für Bautechnik (DIBt) issued ETA-11/0311 on the basis of CUAP 06.02/02, Version Feb. 2003, the notified inspection and certification body 0780 CPD performed under system 2+ (i) initial inspection of the manufacturing plant and of factory production control; (ii) regular inspection, assessment and approval of factory production control; and issued the EC Certificate of Factory Production Control 0780-CPD-125015

Declared performance			
Essential characteristics	Design method	Performance	Harmonised technical specification
Design resistance of tension rod system	EN 1993-1-4:2006 / EN 1993-1-8:2005	ETA-11/0311, Part 2.1.3	CUAP 06.02/02, Version Feb. 2003
System diameter [mm]		Design resistance with $\gamma_{m1}=1,1$ and $\gamma_{m2}=1,25$ [kN]	
6		9,42	
8		17,13	
9.	10	27,14	
	12	39,44	
	16	73,32	
	20	114,6	
	24	165,0	
	27	215,0	
	30	262,4	
Where pursuant to Article 37 or 38 the Specific Technical Documentation has been used, the requirements with which the product complies			
10.	The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.		
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.			

Langenfeld, 12.06.2013

Signed for and on behalf of the manufacturer by



Richard Wachter
(Managing Director)



ppa. Dr.-Ing. Dirk Albartus
(Manager Engineering)