

DECLARATION OF PERFORMANCE
HALFEN LSA-DW Cavity wall tie

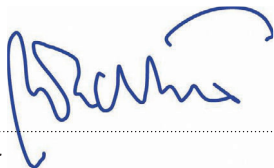
CONF-DOP_LSA-DW 11/13-E
No. H19-845-1/3

1.	Unique identification code of the product-type	HALFEN LSA-DW Cavity wall tie
2.	Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)	HALFEN LSA-DW 160/4 - 350/4 See label on product packaging
Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:		
3.	Generic type and use	Asymmetric cavity wall tie for horizontal connection of a cavity wall
	Product size covered	160/4 - 350/4
	Base material / base material strength	Solid bricks strength class ≥ 12 , M 2.5
	Material & corresponding use	HALFEN LSA-DW: • Stainless steel 1.4401 / 1.4404 / 1.4571 acc. to DIN EN 10088-2 for medium corrosion exposure
	Loading	Static and quasi static loading
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 constancy of performance of the construction product as set out in Annex V	System 3 acc. to DIN EN 845-1-2012-10
7.	In case of the declaration of performance concerning a construction product covered by a harmonised standard	The notified testing laboratory MPA Bau Hannover, Nienburger Str. 3, Hannover (0764) performed the initial testing under System 3 and issued a test report No. 072 590.1-Th.
8.	In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued	-

Declared performance			
Type	Essential Characteristics	Performance	Harmonized Technical Specification
9. LSA-DW	Max. tension load with KS-reference bricks and M 2.5 mortar	1700 N	DIN EN 845-1:2008 / E DIN EN 845-1: 2012-10
	Max. compression load up to 200 mm cavity	1250 N	
	Anchorage length in faced brickwork	min. 50 mm	
	Punching protection	35 mm	
	Anchorage in supporting wall	Anchor jacket and profiled anchor end	
	Anchorage in faced brickwork	Waved end	
	Water-repelling function	No resistance	
	Durability	Material reference 1	
	Dangerous substances	NDP	
	Others	Identical construction to ZV-Welle produced by Bever	
Where pursuant to Article 37 or 38 in 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, 27.11.2013

Signed for and on behalf of the manufacturer by



Richard Wachter
(Managing Director)



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