

Conformity Marking / CE Marking / UKCA Marking

Products according to German Official Approval (Z-), European Technical Assessment (ETA-), Type Test Report (T No.) or European Standards as well as the Machinery Directive, “The Supply of Machinery (Safety) Regulations” and the British Standards

Product:	Document No.:	Plant:
BA Body anchor	CE-14 – 2451,2499 – DoP H23-1090-1/1	PNW
BRA Parapet corbel	T No. S-WUE 050196 CE-14 - 2451,2499 – DoP H26-1090-1/1	PNW
Demu Fixing anchor T-FIXX®	ETA-13/0222 – DIBt CE-13 – 2323 – DoP H03-13/0222	PNW
Demu Bolt anchor 1988, 1985, 1980-P	ETA-13/0401 – DIBt CE-13 – 2323 – DoP H03-13/0401	PNW, DAP
Detan-D Tension rod system	ETA-23/0276 – LUXIB CE-23 – 0780 – DoP H58-23/0276	DAP
Detan-S Tension rod system	ETA-05/0207 – DIBt CE-08 – 0780 – DoP H58-05/0207	DAP
Detan-E Tension rod system	ETA-11/0311 – DIBt CE-12 – 0780 – DoP H58-11/0311	DAP
DS1 Spacer bolt	T No. S-WUE 150494	PNW
FA Flat anchor	Z-21.8-1979 – DIBt CE-14 - 2451, 2499 – DoP H57-1090 1/2	DAP, PNW
FPA Precast panel anchor system	Z-21.8-1910 – DIBt CE-14 - 2451,2499 – DoP H26-1090-1/2	PNW
FPA-SL30 Precast panel anchor system	Z-21.8-2067 – DIBt	PNW
FSW Lintel bracket with bar	T No. S-WUE 080271	PNW
HA Socket anchor	CE (MD) 2006/42/EC, EN 13155 UK The Supply of Machinery (Safety) Regulations 2008, BS EN 13155	PNW, DAP
HAB H Anchor bolt	Z-21.5-1761 – DIBt	DAP
HAB MH Anchor bolt	Z-21.5-1758 – DIBt	DAP
HBB Impact sound insulation	T Nr. S-WUE / 220241	PNW
HBS-O5 Screw connection	ETA 21/0800 CE-22-0432- DoP H06-21/0800	DAP
HBT Rebend connection	Z-21.8-2035 – DIBt	PNW
HCC Column shoe	T No. 03.30 CE-14 – 2451, 2499 – DoP H60-1090-1-2	DAP, PNW
HD Socket anchor	CE (MD) 2006/42/EC, EN 13155 UK The Supply of Machinery (Safety) Regulations 2008, BS EN 13155	PNW, DAP
HDB Punching shear reinforcement	ETA-12/0454 – DIBt CE-12 – 0432 – DoP H09-12/0454	DAP,PNW
HDB-S/HDB-G-S Shear reinforcement	Z-15.1-249 – DIBt	DAP, PNW
HDB-Z Punching shear reinforcement	ETA-22/0360 Z-15.1-330 – DIBt	DAP, DLP, PNW
HEA Cavity wall tie	Z-21.1-910 – DIBt CE-13 – 0764 – DoP H19-845-1/1	DAP
HEK Precast coupler	Z-21.8-2086 – DIBt	PNW
HGA Scaffold anchor	CE-17 – 2451, 2499 – DoP H25-1090-1/1	PNW
HGB Handrail connection	Z-21.4-1912 – DIBt	DLP
HIT-HP/SP MVX/ZVX/ZDX/DD/ MVXL/AT/FT/OTX Insulated connection	ETA-18/0189 – DIBt CE-18 – 0432 – DoP H10-18/0189	DAP, PNW
HIT-HP, HIT-SP SMV/SDV/SZV Insulated connection	Z-15.7-336 – DIBt	PNW
HK4 and HK5 Bracket heads for brickwork supports	Z-21.8-1922 – DIBt	DAP, PNW
HK4 Brickwork support	T No. S-WUE 080272 CE-13 – 1488 – DoP H15-845-1/2	DAP, PNW
HK5 Brickwork support	T Nr. S-WUE 150438 T Nr. S-WUE 170430 CE-17 – 1488 – DoP H15-845-1/3	DAP, PNW
HLB Loop Box M 50-System	Z-21.8-1869 – DIBt	PNW
HLB Loop Box T100/250-System	Z-21.8-1871 – DIBt	PNW
HLX Lift-Box	ETA-22/0184 – ETA-Danmark CE-22-0432 - DoP H72-22/0184 ETA-17/0488 – DIBt CE-19 - 0432 – DoP H72-17/0488	DAP, CH

CE-yy Year of first CE marking – No. of notified testing laboratory – DoP No.

1

Leviat

Zul.-Nr.

DIBt

MPA

NRW

2

Leviat

Zul.-Nr.

DIBt

KIWA GmbH

MPA Berlin

Brandenburg

3

Leviat

Zulassung 2.15.1253
ABSCHEM MPT
Bauteile für
Stahlbauwerke

Prof. Dr.-Ing.
G. Röhren

MPA

KARLSRUHE

4

Leviat

Zulassung 2.15.1253
Stahlbau GEF
nach DIN 1045-1
DIN EN 1995-1-1

MPA

KARLSRUHE

5

Leviat

Typenprüfung
Verz.-Nr.

MPA

KARLSRUHE

15

Leviat

Zul.-Nr.

MPA

KARLSRUHE

6

Leviat

DIN 488

KIWA GmbH

MPA Berlin

Brandenburg

7

Leviat

DIN 488

MPA

NRW

8

CE label:

10

EN 845-1

CE

9

EN 845-2

12

EN 1090

CE

11

NORDCERT

SBS

A3/044

13

UK marking:

UK

CA

Product:	Document No.:	Plant:
HM Framing channel	ETA-19/0438 – DIBt CE-20 – 0432 – DoP H28-19/0438	DLP
HMS Halfen Cast-in channels	CE-16 – 1488 – DoP H18-845-1/4	
HPV-L Aerated concrete cavity wall tie	CE-13 – 0764 – DoP H19-845-1/2	
HSC Stud connector	Z-21.8-1973 – DIBt	DAP
HSC-B Stud connector type B	Z-21.8-1974 – DIBt	DAP
HSCC Steel corbels	T No. S-WUE 230051 CE-14 – 2451, 2499 – DoP H45-1090-1-2	PNW
HSD-CRET Shear dowel	Z-15.7-253 – DIBt	PNW
HTA-CE Halfen Cast-in channels	ETA-09/0339 – DIBt CE-09 – 0432 – DoP H01-09/0339 ETA-16/0453 – DIBt CE-17 – 0432 – DoP H01-16/0453	DLP
HTA-ES Prefabricated suspended brick support	Z-21.4-1989 – DIBt	DLP
HTT Impact sound insulation element	T No. S-WUE 040519	PNW
HTU Halfen Cast-in channels	Z-21.4-84 – DIBt	DLP
HTU-S Halfen Cast-in channels	Z-21.4-2096 – DIBt	DLP
HW Support angle	T No. 18/01 CE-13 – 0780 – DoP H16-845-2	PNW
HZA Halfen Serrated cast-in channel 41/22	ETA-20/1081 – DIBt CE-21 – 0432 – DoP H01-20/1081	DLP
HZA-PS Halfen Serrated cast-in channel	ETA-17/0728 – DIBt CE-19 – 0432 – DoP H01-17/0728	DLP
HZA Halfen Serrated cast-in channel DYNAGRIP	ETA-20/1081 – DIBt CE-21 – 0432 – DoP H01-20/1081	DLP
HZM Framing channel	CE-14 – 2499 – DoP H28-1090-1-2/2	DLP
KKT Spherical head lifting anchor	CE (MD) 2006/42/EC, EN 13155 UK The Supply of Machinery (Safety) Regulations 2008 BS, EN 13155	PNW, DAP
KON Cantilevers	CE-14 – 2499 – DoP H31-1090-1-2/1	DLP
LSA-DW Cavity wall tie	Z-21.2-1009 – DIBt CE-13 – 0764 – DoP H19-845-1/3	Kirch-hundem (D)
LSA-DW+ Cavity wall tie	Z-21.2-2149 – DIBt Z-17.5-1268 – DIBt Z-17.5-1269 – DIBt CE-23 – 0764 – DoP H19-845-1/6	DAP
LSA-F Cavity wall tie	Z-17.1-888 – DIBt CE-13 – 0764 – DoP H19-845-1/4	Kirchhun-dem (D)
LSA-L Cavity wall tie	CE-13 – 0764 – DoP H19-845-1/5	
MBT Reinforcing coupler	Z-1.5-10 – DIBt	Sheffield (UK)
Further processing of reinforcement steel in coils acc. to DIN 488	Reinforcement steel in coils acc. to DIN 488	DAP, PNW
Further processing of reinforcement steel in coils with RPR-Ribs	Z-1.2-275 – DIBt	DAP
Further processing of reinforcement steel in coils with TWR-Ribs	Z-1.2-260 – DIBt	DAP
Further processing of reinforcement steel in coils, stainless steel	Approval for stainless reinforcement steel in coils	PNW
SPA Sandwich panel anchor	Z-21.8-1926 – DIBt CE-14 – 2451,2499 – DoP H27-1090/1	DAP
TM MC/MS/DC for three-layer reinforced concrete wall panels	Z-21.8-2108 – DIBt	USA
TPA Frimeda Lifting anchors	CE (MD) 2006/42/EC, EN 13155 UK The Supply of Machinery (Safety) Regulations 2008 BS, EN 13155	PNW, DAP
UHA Grout-in anchor	T No. S-WUE 050493 CE-14 – 2451,2499 – DoP H22-1090-1/1	PNW
UMA Grout-in anchor	T No. 13/3 CE-14 – 2451,2499 – DoP H22-1090-1/1	PNW

DLP: Plant Langenfeld / DAP: Plant Artern / PNW: Plant Poland / CH: Plant Switzerland
USA: Plant USA

Explanation of the abbreviations for the materials/finishes		Halfen Bolts HS, HZS, HSR:
General:		GV = strength grade 4.6 ① electroplated
Steel finishes:	FV = hot-dip galvanized, GV = electroplated, SV = pre-galvanized, WB = mill finish	GV 8.8 = strength grade 8.8 ① electroplated
Stainless steel:	A2 = material grade 1.4307/1.4311, A4 = material grade 1.4404/1.4571, L4 = material grade 1.4362/1.4062/1.4162 (material grades according to DIN EN 10088)	GVs = strength grade 4.6 ① zinc galvanized steel with special coating
Plastic:	KS = plastic	GVs 8.8 = strength grade 8.8 ① zinc galvanized steel with special coating
Halfen Channels HTA, HZA, HTU:		FV = strength grade 4.6 ① hot-dip galvanized
KF	= Kombi strip filler	FV 8.8 = strength grade 8.8 ① hot-dip galvanized
Ank. A4	= anchor made of stainless steel W 1.4404/1.4571 (A4)	roh = strength grade 4.6 ① black
HCR	= channel and anchor made of High Corrosion Resistance stainless steel W 1.4529, 1.4547, 1.4462 (1.4462 is not suitable for indoor swimming pools)	① = strength grades acc. to DIN EN ISO 898 part 1
Ank. St.	= anchor made of steel according DIN EN 10088 (only stated in case of stainless steel (only specified if the Halfen Cast-in channels are stainless steel)	Halfen Bolts HS, HZS in stainless steel:
LAnk.	= Special execution "L" anchor orientation in the longitudinal direction of the channel	A4-50 = grade A4 - 50 ②
(length)/3	= Halfen Channel with a non-standard number of anchors e.g. 300/3: L = 300 mm with 3 anchors	A4-70 = grade A4 - 70 ②
FV A4	= Halfen Channel hot-dip galvanized with anchors made of stainless steel A4	FA-70 = grade FA - 70 ②
		A2-50 = grade A2 - 50 ②
		A2-70 = grade A2 - 70 ②
		HCR-50 = grade HCR-50, High Corrosion Resistance ②
		② = material grades acc. to DIN EN ISO 3506 part 1