

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	Ⓢ PL01
BRA Parapet corbel	T No. S-WUE 240250 CE-14-2451,2499 – DoP H26-1090-1/1	Ⓢ Ⓢ Ⓢ PL01
Demu Fixing anchor T-FIXX® + TWS	ETA-13/0222 – DIBt CE-13 – 2323 – DoP H03-13/0222	Ⓢ PL01
Demu Bolt anchor 1988, 1985, 1980-P	ETA-13/0401 – DIBt CE-13 – 2323 – DoP H03-13/0401	Ⓢ PL01, DE02
Detan-D Tension rod system	ETA-23/0276 – LUXIB CE-23 – 0780 – DoP H58-23/0276	Ⓢ DE02
Detan-S Tension rod system	ETA-05/0207 – DIBt CE-08 – 0780 – DoP H58-05/0207	Ⓢ DE02
DS1 Spacer bolt	T No. S-WUE 150494	Ⓢ PL01
DURA Steel head	Z-15.5-382 – DIBt	Ⓢ Ⓢ CH
FA Flat anchor	Z-21.8-1979 – DIBt CE-14-2451,2499 – DoP H57-1090 1/2	Ⓢ Ⓢ Ⓢ DE02, PL01
FPA Precast panel anchor system	Z-21.8-1910 – DIBt CE-14-2451,2499 – DoP H26-1090-1/2	Ⓢ Ⓢ Ⓢ PL01
FPA-SL30 Precast panel anchor system	Z-21.8-2067 – DIBt	Ⓢ PL01
FSW Lintel bracket with bar	T No. S-WUE 080271	Ⓢ Ⓢ PL01
HA Socket anchor	CE (MD) 2006/42/EC, EN 13155 UK The Supply of Machinery (Safety) CA Regulations 2008, BS EN 13155	Ⓢ Ⓢ PL01, DE02
HAB H Anchor bolt	ETA-21/0371 – DIBt CE-24 – 0432 – DoP H60-21/0371	Ⓢ Ⓢ DE02
HAB MH Anchor bolt	Z-21.5-1758 – DIBt	Ⓢ Ⓢ DE02
HBB Impact sound insulation	T Nr. S-WUE /220241	Ⓢ Ⓢ PL01
HBS-05 Screw connection	ETA 21/0800 CE-22-0432- DoP H06-21/0800	Ⓢ Ⓢ DE02
HBT Rebend connection	Z-21.8-2035 – DIBt T Nr. 4117-15905/2019	Ⓢ Ⓢ Ⓢ PL01
HCC Column shoe type M	T No. 03.30 CE-14–2451,2499–DoP H60-1090-1-2	Ⓢ Ⓢ DE02, PL01
HCC Column shoe	ETA-21/0169 – DIBt CE-25-0432 – DoP H60-21/0169	Ⓢ DE02, PL01
HD Socket anchor	CE (MD) 2006/42/EC, EN 13155 UK The Supply of Machinery (Safety) CA Regulations 2008, BS EN 13155	Ⓢ Ⓢ PL01, DE02
HDB Punching shear reinforcement	ETA-12/0454 – DIBt CE-12 – 0432 – DoP H09-12/0454	Ⓢ DE02, PL01
HDB-S/HDB-G-S Shear reinforcement	Z-15.1-249 – DIBt	Ⓢ Ⓢ DE02, PL01
HDB-Z Punching shear reinforcement	ETA-22/0360; Z-15.1-330 – DIBt CE-25-0432-DoP H09-22/0360	Ⓢ Ⓢ DE02, DE01, PL01
HEA Cavity wall tie	Z-17.5-1312 – DIBt CE-13 – 0764 – DoP H19-845-1/1	Ⓢ DE02
HEK Precast coupler	Z-21.8-2086 – DIBt	Ⓢ PL01
HGA Scaffold anchor	CE-17–2451,2499 – DoP H25-1090-1/1	Ⓢ PL01
HGB Handrail connection	Z-21.4-1912 – DIBt	Ⓢ DE01
HIT-HP/SP MVX/ZVX/ZDX/DD/ MVXL/AT/FT/OTX Insulated connection	ETA-18/0189 – DIBt CE-18 – 0432 – DoP H10-18/0189	Ⓢ DE02, PL01
HIT-HP, HIT-SP SMV/SDV/SZV Insulated connection	Z-15.7-336 – DIBt	Ⓢ PL01
HIT-HP PI Insulated connection	Z-15.7-379 – DIBt	Ⓢ PL01
HK5 Bracket heads for brickwork supports	Z-21.8-1922 – DIBt	Ⓢ DE02, PL01
HK5 Brickwork support	T Nr. S-WUE 150438 T Nr. S-WUE 170430 CE-17 – 1488 – DoP H15-845-1/3	Ⓢ Ⓢ DE02, PL01
HLB Loop Box M 50-System	Z-21.8-1869 – DIBt	Ⓢ Ⓢ PL01
HLB Loop Box T100/250-System	Z-21.8-1871 – DIBt	Ⓢ Ⓢ PL01
HLB Loop Box D-System	Z-21.8-2175 – DIBt	Ⓢ Ⓢ PL01
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	Ⓢ DE02, CH
HM Framing channel	ETA-19/0438 – DIBt CE-20 – 2323 – DoP H28-19/0438	Ⓢ DE01

Product:	Document No.:	Plant:
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; ETA-23/0978; Z-21.8-2167 – DIBt	Ⓢ Ⓢ DE02
HSC-B Stud connector type B	Z-21.8-1974 – DIBt; ETA-23/0978, Z-21.8-2167 - DIBt	Ⓢ Ⓢ DE02
HSCC Steel corbels	T No. S-WUE 230051 CE-14 – 2451,2499 – DoP H45-1090-1-2	Ⓢ Ⓢ Ⓢ PL01
HSD-CRET Shear dowel	Z-15.7-253 – DIBt ETA-23/0065–CSTB CE-25-0754-DoP H49-23/0065	Ⓢ Ⓢ Ⓢ PL01
HTA-CE Halfen Cast-in channels	ETA-09/0339 – DIBt CE-09 – 2323 – DoP H01-09/0339 ETA-16/0453 – DIBt CE-17 – 2323 – DoP H01-16/0453	Ⓢ DE01
HTA-ES Prefabricated suspended brick support	Z-21.4-1989 – DIBt	Ⓢ Ⓢ DE01
HTT Impact sound insulation element	T No. S-WUE 040519	Ⓢ Ⓢ PL01
HTU Halfen Cast-in channels	Z-21.4-84 – DIBt	Ⓢ Ⓢ DE01
HTU-S Halfen Cast-in channels	Z-21.4-2096 – DIBt	Ⓢ DE01
HW Support angle	T No. 18/01 CE-13 – 0780 – DoP H16-845-2	Ⓢ Ⓢ PL01
HZA Halfen Serrated cast-in channel 41/22	ETA-20/1081 – DIBt CE-21 – 2323 – DoP H01-20/1081	Ⓢ DE01
HZA-PS Halfen Serrated cast-in channel	ETA-17/0728 – DIBt CE-19 – 2323 – DoP H01-17/0728	Ⓢ DE01
HZA Halfen Serrated cast-in channel DYNAGRIP	ETA-20/1081 – DIBt CE-21 – 2323 – DoP H01-20/1081	Ⓢ DE01
HZM Framing channel	CE-14 – 2499 – DoP H28-1090-1-2/2	Ⓢ DE01
KKT Spherical head lifting anchor	CE (MD) 2006/42/EC, EN 13155 UK The Supply of Machinery (Safety) CA Regulations 2008 BS, EN 13155	Ⓢ Ⓢ PL01, DE02
KON Cantilevers	CE-14 – 2499 – DoP H31-1090-1-2/1	Ⓢ DE01
LSA-DW Cavity wall tie	Z-21.2-1009 – DIBt Z-17.1-825 – DIBt Z-17.1-1138 – DIBt CE-13 – 0764 – DoP H19-845-1/3 CE-13 – 0764 – DoP H19-845-1/7	Ⓢ 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	Ⓢ DE02
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	Reinforcement steel in coils acc. to DIN 488	Ⓢ Ⓢ DE02, PL01
Further processing of reinforce- ment steel in coils with RPR-Ribs	Z-1.2-275 – DIBt	Ⓢ DE02
Further processing of reinforce- ment steel in coils with TWR-Ribs	Z-1.2-260 – DIBt	Ⓢ DE02
Further processing of reinforce- ment steel in coils, stainless steel	Approval for stainless reinforcement steel in coils	Ⓢ PL01
SPA Sandwich panel anchor	Z-21.8-1926 – DIBt CE-14 – 2451,2499 – DoP H27-1090/1	Ⓢ Ⓢ DE02
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) CA Regulations 2008 BS, EN 13155	Ⓢ Ⓢ PL01, DE02
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

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

DE01: Plant Langenfeld / DE02: Plant Artern / PL01: Plant Poland / CH: Plant Switzerland
USA: Plant USA

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Leviat

MPA NRW

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Leviat

KIWA GmbH
MPA Berlin
Brandenburg

③

Leviat

Prof. Dr.-Ing.
G. Rehm

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Leviat

MPA

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Leviat

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Leviat

KIWA GmbH
MPA Berlin
Brandenburg

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Leviat

MPA NRW

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CE label:

EN 845-1

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EN 845-2

EN 1090

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EN 845-1

EN 1090

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NORDCERT

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UK marking:

Explanation of the abbreviations for the materials/finishes		Halfen Bolts HS, HZS, HSR :
General:		GV = strength grade 4.6 Ⓢ electroplated
Steel finishes:	FV = hot-dip galvanized, GV = electroplated, SV = pre-galvanized, WB = mill finish	GV 8.8 = strength grade 8.8 Ⓢ electroplated
Stainless steel:	A2 = material grade 1.4307/1.4311, A4 = material grade 1.4404/1.4571, L4/D4 = material grade 1.4362/1.4062/1.4162 (material grades according to DIN EN 10088)	GVs = strength grade 4.6 Ⓢ zinc galvanized steel with special coating
Plastic:	KS = plastic	GVs 8.8 = strength grade 8.8 Ⓢ zinc galvanized steel with special coating
Halfen Channels HTA, HZA, HTU :		FV = strength grade 4.6 Ⓢ hot-dip galvanized
KF	= Kombi strip filler	FV 8.8 = strength grade 8.8 Ⓢ hot-dip galvanized
Ank. A4	= anchor made of stainless steel W 1.4404/1.4571/1.4578 (A4)	roh = strength grade 4.6 Ⓢ black
HCR	= channel and anchor made of High Corrosion Resistance stainless steel W 1.4529, 1.4547, 1.4410, 1.4462 (1.4410 and 1.4462 are not suitable for indoor swimming pools)	Ⓢ = 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 Ⓢ
(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 Ⓢ
FV A4	= Halfen Channel hot-dip galvanized with anchors made of stainless steel A4	FA-70 = grade FA - 70 Ⓢ
		A2-50 = grade A2 - 50 Ⓢ
		A2-70 = grade A2 - 70 Ⓢ
		HCR-50 = grade HCR-50, High Corrosion Resistance Ⓢ
		Ⓢ = material grades acc. to DIN EN ISO 3506 part 1