

Technical Manual

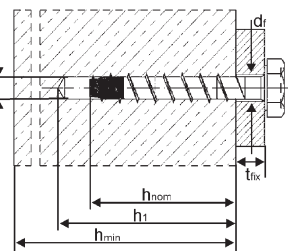
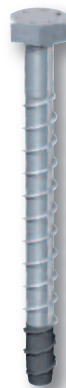
HECO-MULTI-MONTI®

3.4 MMS-S stainless steel A4

Type : MULTI-MONTI®-Screw-In-Anchor with hexagon head

Material : stainless steel A4 1.4401
other Steel-sorts on request

Surface : stainless steel self-colour
function tip phosphated



type	size D x L		spanner size	drill- diameter d ₀	drill depth h ₁	em- bedment h _{nom}	clamping strength t _{fix}	adm. tension load in cracked con- crete C20/25	adm. tension load in non- cracked con- crete C20/25	rec. tension load in non- cracked con- crete C20/25
	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[kN]	[kN]	[kN]
MMS-S	7,5	x 50/65	SW 13	6	65	55	10	0,5 ⁵⁾	2,0 ⁵⁾	3,7
MMS-S	7,5	x 75/10	SW 13	6	75	65	10	1,8 ⁷⁾	2,6 ⁷⁾	5,3
MMS-S	10	x 85/10	SW 16	8	90	75	10	3,7 ⁷⁾	4,9 ⁷⁾	6,8
MMS-S	10	x 95/20	SW 16	8	90	75	20	3,7 ⁷⁾	4,9 ⁷⁾	6,8
MMS-S	12	x 100/10	SW 18	10	100	90	10	4,9 ⁷⁾	6,5 ⁷⁾	8,3
MMS-S	12	x 120/30	SW 18	10	100	90	30	4,9 ⁷⁾	6,5 ⁷⁾	8,3

5) = according to DIBt-approval no. Z-21.1-1697

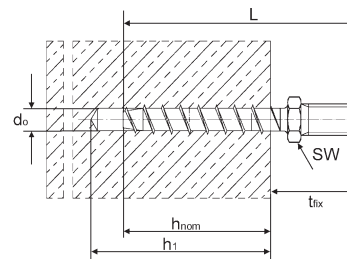
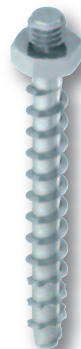
7) = according to ETA 05/0011

3.5 MMS-St

Type : MULTI-MONTI®-Screw-In-Anchor with metric stud

Material : steel

Surface : bright zinc plated



type	size D x L		spanner size	joint thread	drill- diameter d ₀	drill depth h ₁	em- bedment h _{nom}	clamping strength t _{fix}	adm. tension load in cracked con- crete C20/25	adm. tension load in non- cracked con- crete C20/25	rec. tension load in non- cracked con- crete C20/25
	[mm]	[mm]			[mm]	[mm]	[mm]	[mm]	[kN]	[kN]	[kN]
MMS-St	6	x 60	SW 10	M 6 * 5	5	55	45	15	0,3 ²⁾	1,5 ²⁾	3,8
MMS-St	7,5	x 70	SW 10	M 8 * 14	6	55	45	25	0,5 ²⁾	2,0 ²⁾	3,7
MMS-St	7,5	x 80	SW 10	M 8 * 14	6	65	55	25	2,0 ⁷⁾	3,1 ⁷⁾	5,3
MMS-St	7,5	x 100	SW 10	M 8 * 14	6	65	55	45	2,0 ⁷⁾	3,1 ⁷⁾	5,3
MMS-St	7,5	x 120	SW 10	M 8 * 14	6	65	55	65	2,0 ⁷⁾	3,1 ⁷⁾	5,3
MMS-St	7,5	x 140	SW 10	M 8 * 14	6	65	55	85	2,0 ⁷⁾	3,1 ⁷⁾	5,3
MMS-St	7,5	x 160	SW 10	M 8 * 14	6	65	55	105	2,0 ⁷⁾	3,1 ⁷⁾	5,3
MMS-St	10	x 80	SW 13	M 10 * 11	8	65	55	25	0,8 ²⁾	-	5,0
MMS-St	10	x 100	SW 13	M 10 * 11	8	75	65	35	3,7 ⁷⁾	4,9 ⁷⁾	6,8
MMS-St	10	x 120	SW 13	M 10 * 11	8	75	65	55	3,7 ⁷⁾	4,9 ⁷⁾	6,8
MMS-St	10	x 140	SW 13	M 10 * 11	8	75	65	75	3,7 ⁷⁾	4,9 ⁷⁾	6,8
MMS-St	10	x 160	SW 13	M 10 * 11	8	75	65	95	3,7 ⁷⁾	4,9 ⁷⁾	6,8

2) = according to DIBt-approval no. Z-21.1-1503

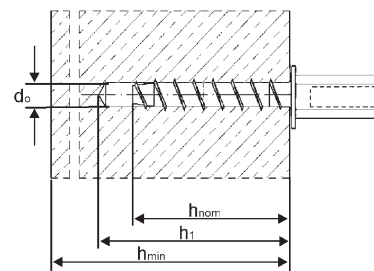
7) = according to ETA 05/0010

3.6 MMS-I

Type : MULTI-MONTI®-Screw-In-Anchor with internal metric stud M8 or M10 respectively combined internal thread M8 / M10

Material : steel

Surface : bright zinc plated



type	size D x L	spanner size	internal metric stud	drill- diameter d ₀	drill depth h ₁	em- bedment h _{nom}	clamping strength t _{fix}	adm. tension load in cracked con- crete C20/25	adm. tension load in non- cracked con- crete C20/25	rec. tension load in non- cracked con- crete C20/25
	[mm] [mm]			[mm]	[mm]	[mm]	[mm]	[kN]	[kN]	[kN]
MMS-I ⁷⁾	7,5 x 60	SW 13	M8 / M10	6	65	55	-	2,0 ⁷⁾	3,1 ⁷⁾	5,3
MMS-I	7,5 x 60	SW 13	M8 * 10	6	65	55	-	2,0 ⁷⁾	3,1 ⁷⁾	5,3
MMS-I	10 x 85	SW 13	M10 * 12	8	75	65	-	3,7 ⁷⁾	4,9 ⁷⁾	6,8

7) = according to ETA 05/0010

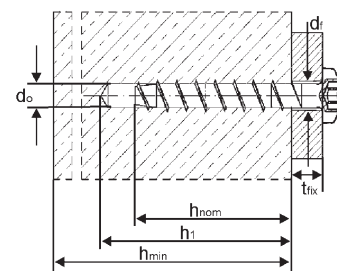
*) = not compliant to VDS CEA 4001 combined internal thread M8 * 10/M10 * 12

3.7 MMS-P

Type : MULTI-MONTI®-Screw-In-Anchor with pan head

Material : steel

Surface : bright zinc plated



type	size D x L	re- cess	head- diameter	drill- diameter d ₀	drill depth h ₁	em- bedment h _{nom}	clamping strength t _{fix}	adm. tension load in cracked con- crete C20/25	adm. tension load in non- cracked con- crete C20/25	rec. tension load in non- cracked con- crete C20/25
	[mm] [mm]		[mm]	[mm]	[mm]	[mm]	[mm]	[kN]	[kN]	[kN]
HMS-P ¹⁾	5 x 30	T-20	7,9	4	35	30	1	-	-	1,9
HMS-P ¹⁾	5 x 50	T-20	7,9	4	40	35	15	-	-	2,6
HMS-P ¹⁾	6 x 30	T-30	11,6	5	35	30	1	-	-	1,9
HMS-P ¹⁾	6 x 40	T-30	11,6	5	40	35	5	-	-	2,4
MMS-P	6 x 50	T-30	11,6	5	55	45	5	0,3 ²⁾	1,5 ²⁾	3,8
MMS-P	6 x 60	T-30	11,6	5	55	45	15	0,3 ²⁾	1,5 ²⁾	3,8
MMS-P	6 x 80	T-30	11,6	5	55	45	35	0,3 ²⁾	1,5 ²⁾	3,8
HMS-P ¹⁾	7,5 x 25	T-40	13,6	6	30	25	1	-	-	1,2
MMS-P	7,5 x 45	T-40	13,6	6	55	45	1	0,5 ²⁾	2,0 ²⁾	3,7
MMS-P	7,5 x 50	T-40	13,6	6	55	45	5	0,5 ²⁾	2,0 ²⁾	3,7
MMS-P	7,5 x 70	T-40	13,6	6	65	55	15	2,0 ⁷⁾	3,1 ⁷⁾	5,3
MMS-P	10 x 70	T-40	17	8	75	65	5	3,7 ⁷⁾	4,9 ⁷⁾	6,8

1) = not part of the approvals

2) = according to DIBt-approval no. Z-21.1-1503

7) = according to ETA 05/0010

Technical Manual

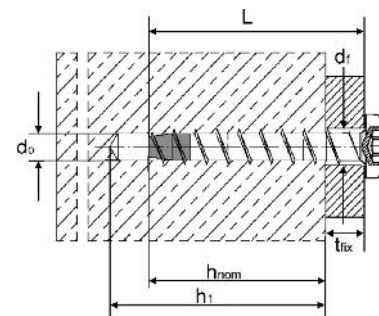
HECO-MULTI-MONTI®

3.8 MMS-P stainless steel A5

Type : MULTI-MONTI®-Screw-In-Anchor with pan head

Material : stainless steel A5 1.4571
other Steel-sorts on request

Surface : stainless steel self-colour
function tip phosphated



type	size D x L		re- cess	head- diameter	drill- diameter d ₀	drill depth h ₁	em- bedment h _{nom}	clamping strength t _{fix}	adm. tension load in cracked con- crete C20/25	adm. tension load in non- cracked con- crete C20/25	rec. tension load in non- cracked con- crete C20/25
	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[mm]	[kN]	[kN]	[kN]
MMS-P	7,5	x 75/10	T-30	13,6	6	75	65	10	1,8 ⁷⁾	2,6 ⁷⁾	5,3
MMS-P	7,5	x 85/20	T-30	13,6	6	75	65	20	1,8 ⁷⁾	2,6 ⁷⁾	5,3
MMS-P	7,5	x 95/30	T-30	13,6	6	75	65	30	1,8 ⁷⁾	2,6 ⁷⁾	5,3
MMS-P	7,5	x 115/50	T-30	13,6	6	75	65	50	1,8 ⁷⁾	2,6 ⁷⁾	5,3

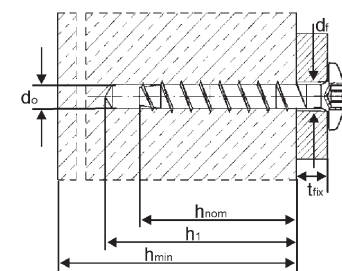
7) = according to ETA 05/0011

3.9 MMS-MS

Type : MULTI-MONTI®-Screw-In-Anchor with flat pan head

Material : steel

Surface : bright zinc plated



type	size D x L		re- cess	head- diameter	drill- diameter d ₀	drill depth h ₁	em- bedment h _{nom}	clamping strength t _{fix}	adm. tension load in cracked con- crete C20/25	adm. tension load in non- cracked con- crete C20/25	rec. tension load in non- cracked con- crete C20/25
	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[mm]	[kN]	[kN]	[kN]
MMS-MS	7,5	x 45	T-30	17	6	55	45	0	0,5 ²⁾	2,0 ²⁾	3,7
MMS-MS	7,5	x 50	T-30	17	6	55	45	5	0,5 ²⁾	2,0 ²⁾	3,7
MMS-MS	7,5	x 60	T-30	14,5	6	65	55	5	2,0 ⁷⁾	3,1 ⁷⁾	5,3

2) = according to DIBt-approval no. Z-21.1-1503

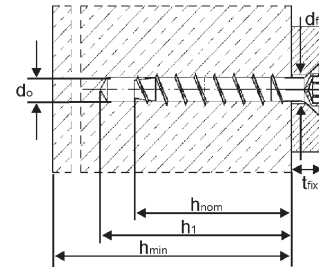
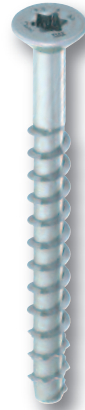
7) = according to ETA 05/0010

3.10 MMS-F

Type : MULTI-MONTI®-Screw-In-Anchor with countersunk 90°

Material : steel

Surface : bright zinc plated



erfüllt die Anforderungen
nach VdS CEA 4001



Option 1 für gerissenen und
ungerissenen Beton



type	size D x L	re- cess	head- diameter	drill- diameter d ₀	drill depth h ₁	em- bedment h _{nom}	clamping strength t _{fix}	adm. tension load in cracked con- crete C20/25	adm. tension load in non- cracked con- crete C20/25	rec. tension load in non- cracked con- crete C20/25
	[mm] [mm]		[mm]	[mm]	[mm]	[mm]	[mm]	[kN]	[kN]	[kN]
HMS-F ¹⁾	5 x 30	T-25	8,7	4	35	30	1	-	-	1,9
HMS-F ¹⁾	5 x 40	T-25	8,7	4	40	35	5	-	-	2,6
HMS-F ¹⁾	5 x 50	T-25	8,7	4	40	35	15	-	-	2,6
HMS-F ¹⁾	5 x 60	T-25	8,7	4	40	35	25	-	-	2,6
HMS-F ¹⁾	6 x 40	T-30	11	5	35	30	10	-	-	1,9
MMS-F	6 x 50	T-30	11	5	55	45	5	0,3 ²⁾	1,5 ²⁾	3,8
MMS-F	6 x 60	T-30	11	5	55	45	15	0,3 ²⁾	1,5 ²⁾	3,8
MMS-F	6 x 80	T-30	11	5	55	45	35	0,3 ²⁾	1,5 ²⁾	3,8
MMS-F	6 x 100	T-30	11	5	55	45	55	0,3 ²⁾	1,5 ²⁾	3,8
MMS-F	6 x 120	T-30	11	5	55	45	75	0,3 ²⁾	1,5 ²⁾	3,8
MMS-F	6 x 140	T-30	11	5	55	45	95	0,3 ²⁾	1,5 ²⁾	3,8
MMS-F	7,5 x 50	T-40	13,6	6	55	45	5	0,5 ²⁾	2,0 ²⁾	3,7
MMS-F	7,5 x 60	T-40	13,6	6	65	55	5	2,0 ⁷⁾	3,1 ⁷⁾	5,3
MMS-F	7,5 x 80	T-40	13,6	6	65	55	25	2,0 ²⁾	3,1 ⁷⁾	5,3
MMS-F	7,5 x 100	T-40	13,6	6	65	55	45	2,0 ²⁾	3,1 ⁷⁾	5,3
MMS-F	7,5 x 120	T-40	13,6	6	65	55	65	2,0 ²⁾	3,1 ⁷⁾	5,3
MMS-F	7,5 x 140	T-40	13,6	6	65	55	85	2,0 ²⁾	3,1 ⁷⁾	5,3
MMS-F	7,5 x 160	T-40	13,6	6	65	55	105	2,0 ²⁾	3,1 ⁷⁾	5,3
MMS-F	10 x 80	T-40	17	8	75	65	15	3,7 ⁷⁾	4,9 ⁷⁾	6,8

1) = not part of the approvals

2) = according to DIBt-approval no. Z-21.1-1503

7) = according to ETA 05/0010

Technical Manual

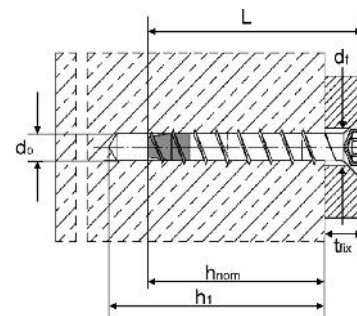
HECO-MULTI-MONTI®

3.11 MMS-F stainless steel A5

Type : MULTI-MONTI®-Screw-In-Anchor with countersunk 90°

Material : stainless steel A5 1.4571

Surface : stainless steel self-colour
function tip phosphated



type	size D x L		re- cess	head- diameter	drill- diameter d ₀	drill depth h ₁	em- bedment h _{nom}	clamping strength t _{fix}	adm. tension load in cracked con- crete C20/25	adm. tension load in non- cracked con- crete C20/25	rec. tension load in non- cracked con- crete C20/25
	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[mm]	[kN]	[kN]	[kN]
MMS-F	7,5	x 75/10	T-30	13,6	6	75	65	10	1,8 ⁷⁾	2,6 ⁷⁾	5,3
MMS-F	7,5	x 85/20	T-30	13,6	6	75	65	20	1,8 ⁷⁾	2,6 ⁷⁾	5,3
MMS-F	7,5	x 95/30	T-30	13,6	6	75	65	30	1,8 ⁷⁾	2,6 ⁷⁾	5,3
MMS-F	7,5	x 115/50	T-30	13,6	6	75	65	50	1,8 ⁷⁾	2,6 ⁷⁾	5,3

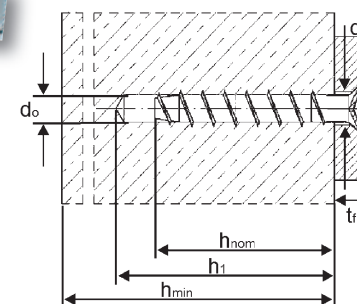
7) = according to ETA 05/0011

3.12 HMS-KS

Type : MULTI-MONTI®-Wall-Screw with
small countersunk

Material : steel

Surface : bright zinc plated



type	size D x L		re- cess	head- diameter	drill- diameter d ₀	drill depth h ₁	em- bedment h _{nom}	clamping strength t _{fix}	adm. tension load in cracked con- crete C20/25	adm. tension load in non- cracked con- crete C20/25	rec. tension load in non- cracked con- crete C20/25
	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[mm]	[kN]	[kN]	[kN]
HMS-KS ¹⁾	5	x 40	T-20	7,8	4	40	35	5	-	-	2,6
HMS-KS ¹⁾	5	x 50	T-20	7,8	4	40	35	15	-	-	2,6

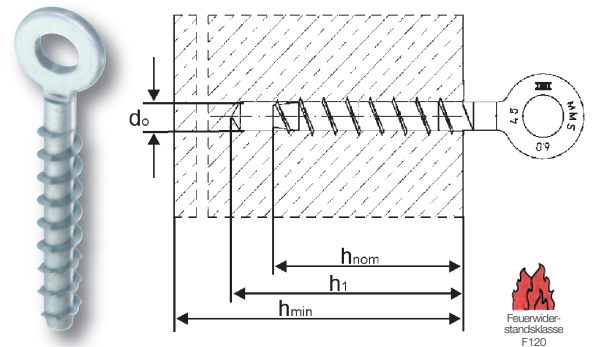
1) = not part of the approvals

3.13 HMS-R

Type : MULTI-MONTI®-Eye-Bolt incl. setting tool

Material : steel

Surface : bright zinc plated



type	size D x L	re- cess	eye- diameter	drill- diameter d ₀	drill depth h ₁	em- bedment h _{nom}	clamping strength t _{fix}	adm. tension load in cracked con- crete C20/25	adm. tension load in non- cracked con- crete C20/25	rec. tension load in non- cracked con- crete C20/25
	[mm] [mm]		[mm]	[mm]	[mm]	[mm]	[mm]	[kN]	[kN]	[kN]
MMS-R ¹⁾	6 x 40	sett. Tool	7	5	50	40	-	-	-	2,4

1) = not part of the approvals

3.14 MMS-TC TimberConnect

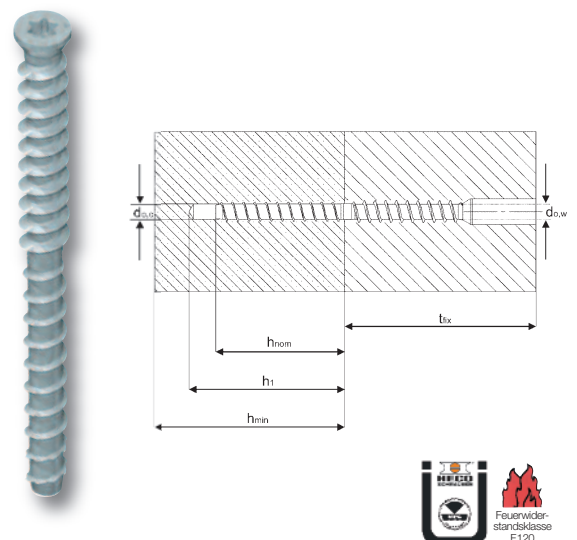
Type: MULTI-MONTI®-Screw-In-Anchor with secondary wood-thread

Material: steel

Surface: DP-coated

Setting tools MMS-TC TimberConnect

size	MMS-TC 7,5	MMS-TC 10	MMS-TC 12
setting tool	H 43603-T30	H 43604-T40	H 43605-T50



type	size D x L	re- cess	head- diameter	drill- diameter d ₀	drill depth h ₁	em- bedment h _{nom}	clamping strength t _{fix}	adm. tension load in cracked con- crete C20/25	adm. tension load in non- cracked con- crete C20/25	rec. tension load in non- cracked con- crete C20/25
	[mm] [mm]		[mm]	[mm]	[mm]	[mm]	[mm]	[kN]	[kN]	[kN]
MMS-TC	7,5 x 100	T-30	10	6	65	55	≥ 40	1,0 ⁸⁾	1,0 ⁸⁾	-
MMS-TC	10 x 130	T-40	15,5	8	75	65	≥ 60	2,1 ⁸⁾	2,1 ⁸⁾	-
MMS-TC	12 x 160	T-50	17,5	10	85	75	≥ 80	3,3 ⁸⁾	3,3 ⁸⁾	-

8) = according to DIBt-approval no Z-21.1-1879
with: utility class 1; k_{mod} = 0,6; solid wood C 24



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