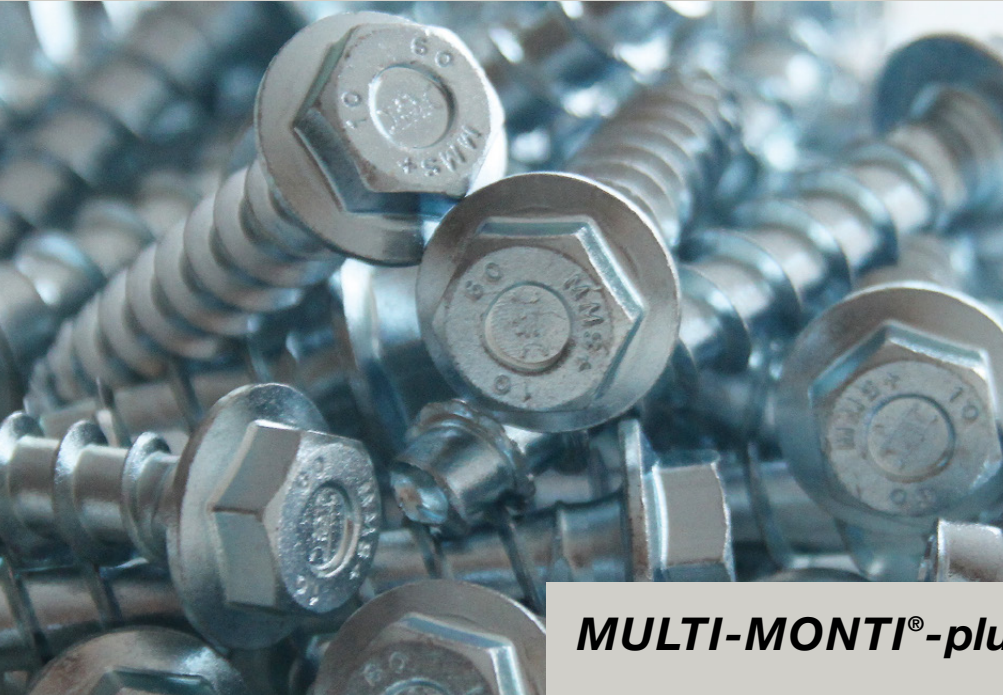


# MULTI-MONTI<sup>®</sup>-plus

THE NEW MULTI-MONTI WITH THE BIG PLUS



# MMS-plus



## MULTI-MONTI®-plus

### PRODUCT INFORMATION

- New Standard: hexagon head with combined washer
- Optimized concrete thread for higher efficiency
- More load classes per diameter and improved mounting security
- Settable by means of power-tools and immediately loadbearing
- Broader product range including pre-set anchors MMS-plus V for example
- Wider approved assortment of products for ETA option 1 from MMS-plus 6, including seismic



### The new MULTI-MONTI® with the big Plus

#### New screw head

Hexagon head with combined washer and head marking MMS+

#### MMS-plus full threaded

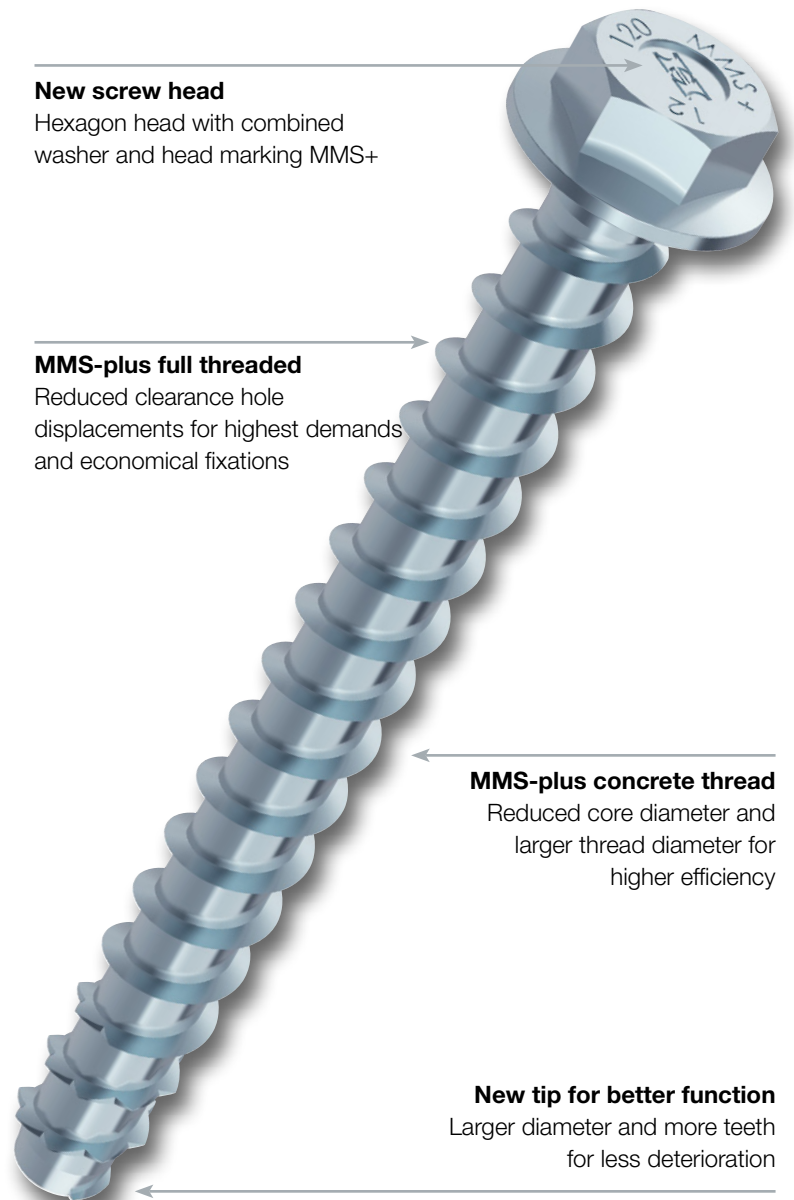
Reduced clearance hole displacements for highest demands and economical fixations

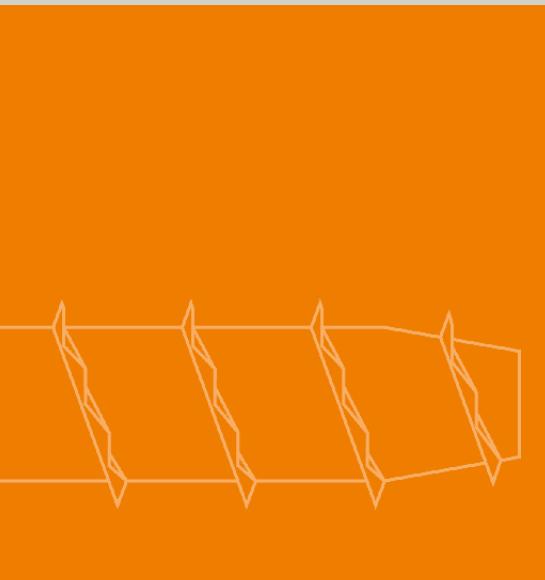
#### MMS-plus concrete thread

Reduced core diameter and larger thread diameter for higher efficiency

#### New tip for better function

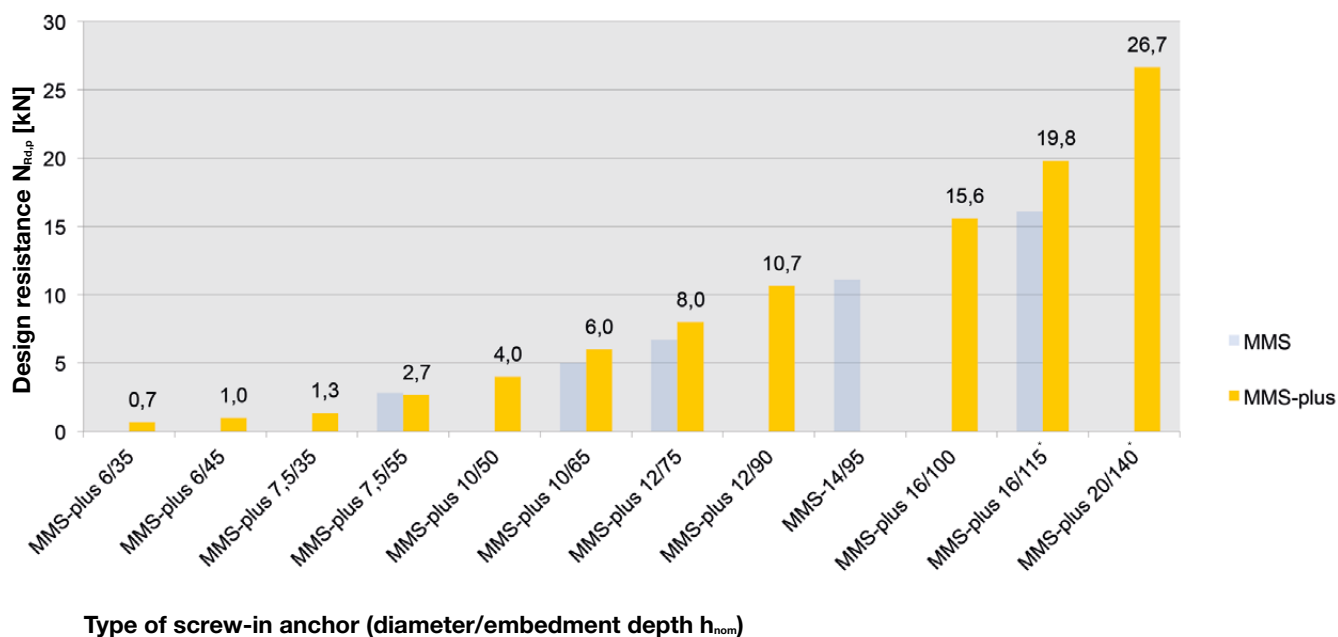
Larger diameter and more teeth for less deterioration





## LOADCLASSES ACCORDING TO ETA-ASSESSMENT

### Pullout loads [kN] for cracked concrete C20/25

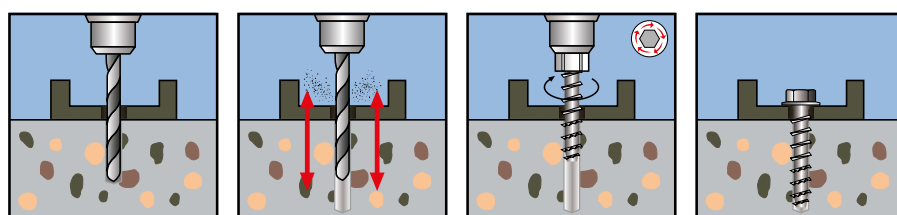


MMS (ETA 05/0010), MMS-plus (ETA 15/0784)

\* MMS-plus  $\varnothing$  16 & 20 (in process)

### The right way to install

1. Drill a hole
2. Remove dust
3. Insert anchor
4. Finished



# MMS-plus MULTI-MONTI®-plus



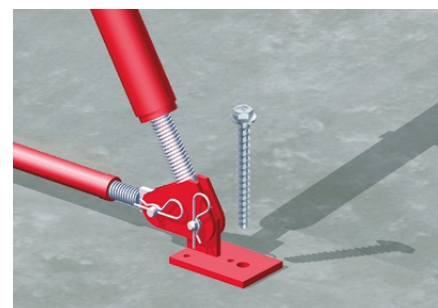
## APPLICATION EXAMPLES



*Prop assemblance*



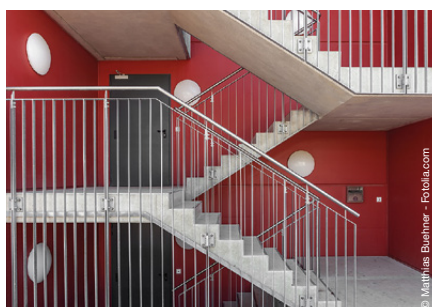
*Pipe mounting*



*Assembling of supporting props*



*Fixing of cable ducts*



*Fixing of railing*



*Fixing of brackets and console bearers*

## Maximum admissible loads for anchorages with single anchors in cracked and non-cracked concrete according to ETA-15/0784

(The complete assessment needs to be taken into account when calculating loads)

Anchor-size			MMS-plus 6		MMS-plus 7,5		MMS-plus 10		MMS-plus 12		MMS-plus 16		MMS-plus 20
			galv.		galv.		galv.		galv.		galv.		galv.
Embedment overall	$h_{nom}$	= [mm]	35	45	35	55	50	65	75	90	100	115	140
<b>Max. admissible tension load<sup>1)</sup> "N<sub>zul</sub>" of a single anchor without edge influence<sup>1)</sup></b>													
Cracked concrete C20/25 <sup>3)</sup>	[kN]		0,5	0,7	1,0	2,0	3,0	4,4	5,9	7,9	9,9	14,8	21,7
Non-cracked concrete C20/25 <sup>3)</sup>	[kN]		2,0	3,0	2,0	4,4	5,9	7,9	9,9	12,3	16,8	21,1	30,3
<b>Max. admissible shear load<sup>1)</sup> "V<sub>zul</sub>" of a single anchor without edge influence<sup>2)</sup></b>													
Cracked concrete C20/25 <sup>3)</sup>	[kN]		2,3	2,4 <sup>5)</sup>	2,4	3,6 <sup>5)</sup>	3,8	6,3	7,7	14,3 <sup>5)</sup>	23,9	28,2 <sup>5)</sup>	43,3
Non-cracked concrete C20/25 <sup>3)</sup>	[kN]		2,4 <sup>5)</sup>	2,4 <sup>5)</sup>	3,4	3,6 <sup>5)</sup>	5,4	8,1 <sup>5)</sup>	10,7	14,3 <sup>5)</sup>	28,2 <sup>5)</sup>	28,2 <sup>5)</sup>	53,7 <sup>5)</sup>
<b>Admissible bending load<sup>1)</sup> "M<sub>zul</sub>"</b>													
	[Nm]		4,0		8,4		20,4		39,6		123,0		275,1
<b>Dimensions of concrete member and installation data</b>													
Nominal drill diameter	$d_0$	= [mm]	5,0		6,0		8,0		10,0		14,0		18,0
Drilling depth	$h_1$	≥ [mm]	40	50	40	65	60	75	85	100	110	125	160
Embedment overall	$h_{nom}$	≥ [mm]	35	45	35	55	50	65	75	90	100	115	140
Calculating embedment	$h_{ef}$	= [mm]	26	35	26	43	36	50	57	70	78	91	111
Min. spacing	$s_{min}$	= [mm]	30		40		40	50	60		80	80	100
Min. edge distance	$c_{min}$	= [mm]	30		40		40	50	60		80	80	100
Min. thickness of concrete member	$h_{min}$	= [mm]	100		100		100	115	125	150	180	180	200
Clearance hole diameter	$d_f$	≤ [mm]	7		9		12		14		18		22
Recommended installation torque <sup>4)</sup>	$T_{max}$	= [Nm]	75	100	100		200		200		400		600
Installation torque for connecting thread <sup>4)</sup> (MMS-plus V)	$T_{inst}$	≤ [Nm]	-		15		25		30		110		120

<sup>1)</sup> That means  $c \geq 1,5 \cdot h_{ef}$  and  $s \geq 3 \cdot h_{ef}$

<sup>2)</sup> That means  $c \geq 10 \cdot h_{ef}$

<sup>3)</sup> Concrete with normal reinforcement. In case of higher concrete strength higher loads may be possible.

<sup>4)</sup> The performance capacity and the installation torque are regulated in the assessment and therefore relevant for the observance of the admission.

<sup>5)</sup> Steel failure decisive.

<sup>7)</sup> Partial safety factors of anchor resistance and material safety factors according to calculation methods A following attachment C of the ETAG 001 respectively CEN/TS 1992-4 on the side of the resistance were taken into account. The safety factor  $\gamma_0 = 1,35$  was considered on the load side. In case of combined loading, anchor-groups as well as edge and spacing influences please refer to the instructions for the calculation methods A in attachment C of the ETAG 001 respectively CEN/TS 1992-4 or our calculation assistance.

# MMS-plus MULTI-MONTI®-plus



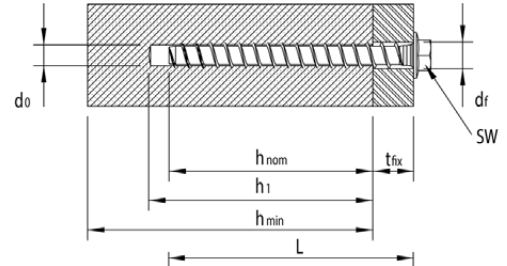
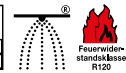
**Type:** MMS-plus SS hexagon head with combined washer

**Material:** steel, hardened

**Surface:** bright zinc plated

Color code  
HECO-Label

**Recess:** hexagon head



Size D x L [mm]	Article No.	Drill diameter d <sub>0</sub> [mm]	Clamping strength t <sub>cl</sub> [mm]	Washer diameter [mm]	Recess	Approvals	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
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## VARIANTA - BOXES FOR PROFESSIONALS

<b>6,0</b>	40	48381	5,0	5	11,0	SW-8	•	100	1.000	48.000
	50	48383	5,0	5/15	11,0	SW-8	•	100	1.000	48.000
	60	48385	5,0	15/25	11,0	SW-8	•	100	1.000	48.000
	70	48387	5,0	25/35	11,0	SW-8	•	100	1.000	48.000
	80	49816	5,0	35/45	11,0	SW-8	•	50	500	24.000
<b>7,5</b>	35	49846	6,0	1	14,0	SW-10	•	100	1.000	48.000
	40	48389	6,0	5	14,0	SW-10	•	100	1.000	48.000
	50	48391	6,0	15	14,0	SW-10	•	50	500	24.000
	60	48393	6,0	5/25	14,0	SW-10	•	50	500	24.000
	70	48395	6,0	15/35	14,0	SW-10	•	50	500	24.000
	80	48397	6,0	25/45	14,0	SW-10	•	50	500	24.000
	100	49817	6,0	45/65	14,0	SW-10	•	50	500	24.000
	120	49819	6,0	65/85	14,0	SW-10	•	50	400	19.200
140	49821	6,0	85/105	14,0	SW-10	•	50	400	19.200	
<b>10,0</b>	60	48399	8,0	10	19,0	SW-13	•	25	250	12.000
	70	48401	8,0	5/20	19,0	SW-13	•	25	250	12.000
	80	48403	8,0	15/30	19,0	SW-13	•	25	250	12.000
	90	48405	8,0	25/40	19,0	SW-13	•	25	250	12.000
	100	48453	8,0	35/50	19,0	SW-13	•	25	250	12.000
	120	48455	8,0	55/70	19,0	SW-13	•	25	200	9.600
	140	48457	8,0	75/90	19,0	SW-13	•	25	200	9.600
160	48459	8,0	95/110	19,0	SW-13	•	25	200	9.600	

SW = wrench size

• = ETA 15/0784

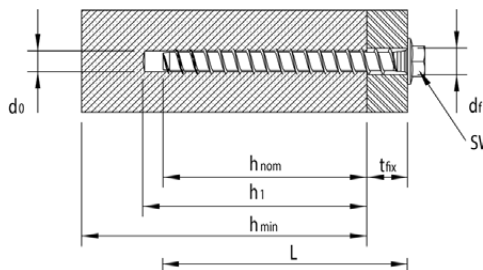
**Type:** MMS-plus SS hexagon head with combined washer

**Material:** steel, hardened

**Surface:** bright zinc plated

Color code  
HECO-Label

**Recess:** hexagon head



Size D x L [mm]	Article No.	Drill diameter d <sub>0</sub> [mm]	Clamping strength t <sub>cl</sub> [mm]	Washer diameter [mm]	Recess	Approvals	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
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VARIANTA - BOXES FOR PROFESSIONALS										
<b>12,0</b>	60 <sup>1)</sup>	37120*	10,0	5	18,0**	SW-18	-	25	250	12.000
	80	48407	10,0	5	22,0	SW-15	•	25	100	8.400
	90	48409	10,0	1/15	22,0	SW-15	•	25	100	8.400
	100	48411	10,0	10/25	22,0	SW-15	•	25	100	8.400
	120	48413	10,0	30/45	22,0	SW-15	•	25	100	8.400
	140	48415	10,0	50/65	22,0	SW-15	•	25	100	8.400
	160	48461	10,0	70/85	22,0	SW-15	•	25	100	6.400
<b>14,0</b>	110 <sup>1)</sup>	41178	12,0	15	21,0**	SW-21	-	25	100	7.200
	130 <sup>1)</sup>	41180	12,0	35	21,0**	SW-21	-	25	100	7.200
	150 <sup>1)</sup>	41182	12,0	55	21,0**	SW-21	-	25	100	4.800
<b>16,0</b>	80 <sup>1)</sup>	35823*	14,0	10	24,0**	SW-24	-	25	100	7.200
	120	49848*	14,0	5/20	30,0	SW-21	-	10	40	3.360
	130	48417*	14,0	15/30	30,0	SW-21	-	10	40	3.360
	140	48419*	14,0	25/40	30,0	SW-21	-	10	40	2.560
	160	48421*	14,0	45/60	30,0	SW-21	-	10	40	2.560
<b>20,0</b>	100 <sup>1)</sup>	22542*	18,0	10	30,0**	SW-30	-	10	40	3.360
	130 <sup>1)</sup>	23025*	18,0	15	30,0**	SW-30	-	10	40	2.880
	160	48423*	18,0	20	38,0	SW-24	-	6	24	1.536
	180	48425*	18,0	40	38,0	SW-24	-	6	24	1.536
	200	48427*	18,0	60	38,0	SW-24	-	6	24	1.536

SW = wrench size

• = ETA 15/0784

- = ETA 05/0010

\*Not qualified for fastenings in case of fire

\*\* Head diameter in mm (MMS)

<sup>1)</sup>Product range MMS-S hexagon head

# MMS-plus MULTI-MONTI®-plus



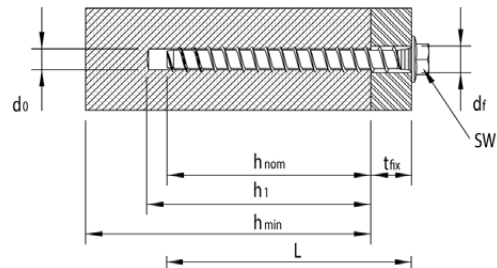
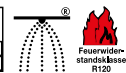
**Type:** MMS-plus SS hexagon head with combined washer

**Material:** steel, hardened

**Surface:** HP-coated

Color code  
HECO-Label

**Recess:** hexagon head



Size D x L [mm]	Article No.	Drill diameter d <sub>0</sub> [mm]	Clamping strength t <sub>cl</sub> [mm]	Washer diameter [mm]	Recess	Approvals	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
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## VARIANTA - BOXES FOR PROFESSIONALS

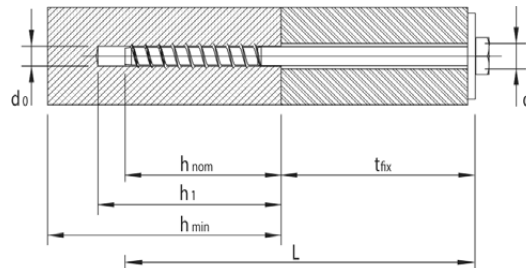
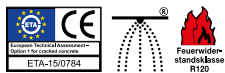
<b>6,0</b>	50	48429	5,0	5/15	11,0	SW-8	•	100	1.000	48.000
	60	48431	5,0	15/25	11,0	SW-8	•	100	1.000	48.000
<b>7,5</b>	50	48433	6,0	15	14,0	SW-10	•	50	500	24.000
	60	48435	6,0	5/25	14,0	SW-10	•	50	500	24.000
	70	48437	6,0	15/35	14,0	SW-10	•	50	500	24.000
<b>10,0</b>	60	48439	8,0	10	19,0	SW-13	•	25	250	12.000
	70	48441	8,0	5/20	19,0	SW-13	•	25	250	12.000
	80	48443	8,0	15/30	19,0	SW-13	•	25	250	12.000
	90	48445	8,0	25/40	19,0	SW-13	•	25	250	12.000
<b>12,0</b>	90	48447	10,0	1/15	22,0	SW-15	•	25	100	8.400
	100	48449	10,0	10/25	22,0	SW-15	•	25	100	8.400
	120	48451	10,0	30/45	22,0	SW-15	•	25	100	8.400

SW = wrench size

• = ETA 15/0784



<b>Type:</b>	MMS-plus S hexagon head with washer DIN 440
<b>Material:</b>	steel, hardened
<b>Surface:</b>	bright zinc plated <span style="background-color: #0070C0; color: white; padding: 2px;">HECO-Label</span> Color code HECO-Label
<b>Recess:</b>	hexagon head



Size D x L [mm]	Article No.	Drill diameter d <sub>0</sub> [mm]	Clamping strength t <sub>cl</sub> [mm]	Washer diameter [mm]	Recess	Approvals	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
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VARIANTA - BOXES FOR PROFESSIONALS										
<b>12,0</b>	180	48463	10,0	90/105	43,5	SW-19	•	25	100	4.800
	200	48465	10,0	110/125	43,5	SW-19	•	25	100	4.800
	240	48467	10,0	150/165	43,5	SW-19	•	25	100	4.800
	280	48469	10,0	190/205	43,5	SW-19	•	25	100	3.600
	320	48471	10,0	230/245	43,5	SW-19	•	25	100	3.600

SW = wrench size

• = ETA 15/0784

# MMS-plus MULTI-MONTI®-plus



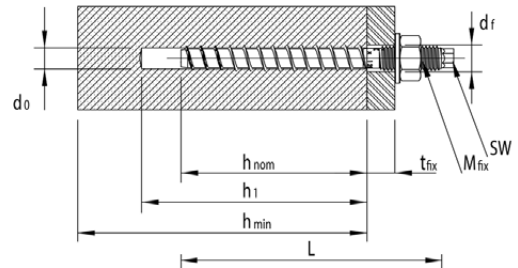
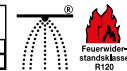
**Type:** MMS-plus V pre-set anchor with metric stud

**Material:** steel, hardened

**Surface:** bright zinc plated

Color code  
HECO-Label

**Recess:** hexagon head



Size D x L [mm]	Article No.	Drill diameter d <sub>0</sub> [mm]	Clamping strength t <sub>cl</sub> [mm]	Metric stud M <sub>fix</sub>	Recess	Approvals	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
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## VARIANTA - BOXES FOR PROFESSIONALS

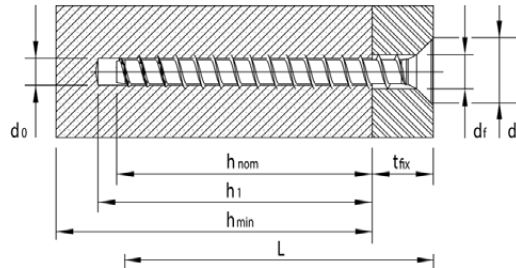
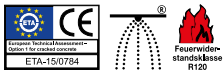
<b>7,5</b>	80	48668	6,0	15/35	M8 x 20	SW-5,5	•	50	500	24.000
	100	48670	6,0	35/55	M8 x 40	SW-5,5	•	50	500	24.000
<b>10,0</b>	90	48672	8,0	15/30	M10 x 20	SW-7	•	25	250	12.000
	110	48674	8,0	35/50	M10 x 40	SW-7	•	25	250	12.000
	130	48676	8,0	55/70	M10 x 60	SW-7	•	25	200	9.600
<b>12,0</b>	110	48678	10,0	20	M12 x 30	SW-8	•	25	100	8.400
	120	48680	10,0	15/30	M12 x 25	SW-8	•	25	100	8.400
	140	48682	10,0	35/50	M12 x 45	SW-8	•	25	100	8.400
<b>16,0</b>	150	48684*	14,0	20/35	M16 x 40	SW-12		10	40	3.360
	200	48686*	14,0	70/85	M16 x 75	SW-12		10	40	2.560
<b>20,0</b>	190	48688*	18,0	30	M20 x 40	SW-15		6	24	1.536
	220	48690*	18,0	60	M20 x 70	SW-15		6	24	1.536

SW = wrench size

• = ETA 15/0784

\* Not qualified for fastenings in case of fire

<b>Type:</b>	MMS-plus F countersunk head
<b>Material:</b>	steel, hardened
<b>Surface:</b>	bright zinc plated <span style="background-color: #0070C0; color: white; padding: 2px;">HECO-Label</span> Color code HECO-Label
<b>Recess:</b>	T-Drive



Size D x L [mm]	Article No.	Drill diameter d <sub>0</sub> [mm]	Clamping strength t <sub>cl</sub> [mm]	Head diameter [mm]	Recess	Approvals	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
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VARIANTA - BOXES FOR PROFESSIONALS										
<b>5,0</b>	30 <sup>9)</sup>	37133*	4,0	1	8,7	T-25	•	200	2.000	96.000
	40 <sup>9)</sup>	37134*	4,0	5	8,7	T-25	•	200	2.000	96.000
	50 <sup>9)</sup>	22383*	4,0	15	8,7	T-25	•	200	2.000	96.000
	60 <sup>9)</sup>	22599*	4,0	25	8,7	T-25	•	200	2.000	96.000
<b>6,0</b>	40	49860	5,0	5	11,5	T-30	•	100	1.000	48.000
	50	48495	5,0	5/15	11,5	T-30	•	100	1.000	48.000
	60	48497	5,0	15/25	11,5	T-30	•	100	1.000	48.000
	70	48499	5,0	25/35	11,5	T-30	•	100	1.000	48.000
	80	48501	5,0	35/45	11,5	T-30	•	50	500	24.000
	100	48503	5,0	55/65	11,5	T-30	•	50	500	24.000
	120	48505	5,0	75/85	11,5	T-30	•	50	500	24.000
	140	48507	5,0	95/105	11,5	T-30	•	50	500	24.000
<b>7,5</b>	45	49862	6,0	10	15,5	T-40	•	100	1.000	48.000
	50	48509	6,0	15	15,5	T-40	•	100	1.000	48.000
	60	48511	6,0	5/25	15,5	T-40	•	50	500	24.000
	70	48513	6,0	15/35	15,5	T-40	•	50	500	24.000
	80	48515	6,0	25/45	15,5	T-40	•	50	500	24.000
	100	48517	6,0	45/65	15,5	T-40	•	50	500	24.000
	120	48519	6,0	65/85	15,5	T-40	•	50	400	19.200
	140	48521	6,0	85/105	15,5	T-40	•	50	400	19.200
<b>10,0</b>	60	48525	8,0	10	19,5	T-45	•	25	250	12.000
	70	48527	8,0	5/20	19,5	T-45	•	25	250	12.000
	80	48529	8,0	15/30	19,5	T-45	•	25	250	12.000
<b>12,0</b>	90	48531	10,0	15	24,0	T-50	•	25	100	8.400
	100	48533	10,0	10/25	24,0	T-50	•	25	100	8.400
	120	48535	10,0	30/45	24,0	T-50	•	25	100	8.400

• = ETA 15/0784

\* Not qualified for fastenings in case of fire

<sup>9)</sup>Product range MMS-F countersunk head

# MMS-plus MULTI-MONTI®-plus



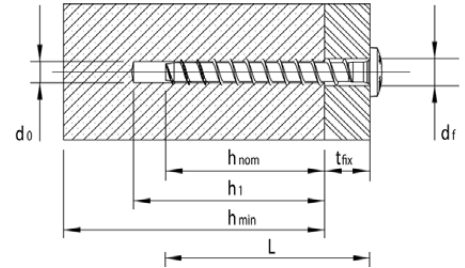
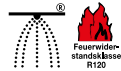
**Type:** MMS-plus MS flange head

**Material:** steel, hardened

**Surface:** bright zinc plated

Color code  
HECO-Label

**Recess:** T-Drive



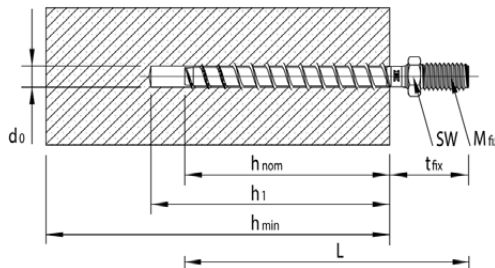
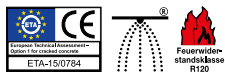
Size D x L [mm]	Article No.	Drill diameter d <sub>0</sub> [mm]	Clamping strength t <sub>fix</sub> [mm]	Head diameter [mm]	Recess	Approvals	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
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## VARIANTA - BOXES FOR PROFESSIONALS

<b>7,5</b>	35	49827	6,0	1	17,0	T-30	•	100	1.000	48.000
	40	49854	6,0	5	17,0	T-30	•	100	1.000	48.000
	45	49829	6,0	10	17,0	T-30	•	100	1.000	48.000
	50	49856	6,0	15	17,0	T-30	•	100	1.000	48.000

• = ETA 15/0784

<b>Type:</b>	MMS-plus ST with metric stud
<b>Material:</b>	steel, hardened
<b>Surface:</b>	bright zinc plated <span style="float: right; color: blue;">Color code HECO-Label</span>
<b>Recess:</b>	hexagon head



Size D x L [mm]	Article No.	Drill diameter d <sub>0</sub> [mm]	Clamping strength t <sub>ca</sub> [mm]	Head diameter [mm]	Recess	Approvals	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
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VARIANTA - BOXES FOR PROFESSIONALS										
<b>6,0</b>	55	48654	5,0	20	10,0	SW-10	•	100	1.000	48.000
	65	48656	5,0	20/30	10,0	SW-10	•	50	500	24.000
<b>7,5</b>	60	48658	6,0	25	10,0	SW-10	•	50	500	24.000
	70	48660	6,0	15/35	10,0	SW-10	•	50	500	24.000
	80	48662	6,0	25/45	10,0	SW-10	•	50	500	24.000
	100	48664	6,0	45/65	10,0	SW-10	•	50	500	24.000
	120	49831	6,0	65/85	10,0	SW-10	•	50	400	19.200
<b>10,0</b>	75	49858	8,0	10/25	13,0	SW-13	•	25	250	12.000
	85	48666	8,0	20/35	13,0	SW-13	•	25	250	12.000

SW = wrench size

• = ETA 15/0784

MMS-plus ST 6,0     metric stud M6 x 5 mm

MMS-plus ST 7,5     metric stud M8 x 14 mm

MMS-plus ST 10,0    metric stud M10 x 11 mm

# MMS-plus MULTI-MONTI®-plus



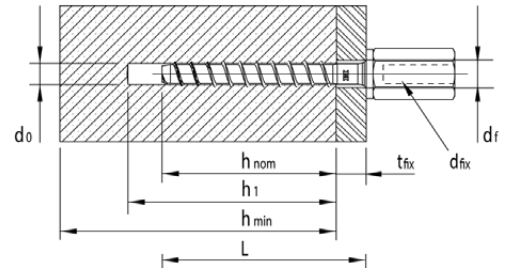
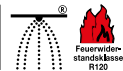
**Type:** MMS-plus I with internal metric thread

**Material:** steel, hardened

**Surface:** bright zinc plated

Color code  
HECO-Label

**Recess:** hexagon head



Size D x L [mm]	Article No.	Drill diameter d <sub>0</sub> [mm]	Clamping strength t <sub>ax</sub> [mm]	Head diameter [mm]	Recess	Approvals	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
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## VARIANTA - BOXES FOR PROFESSIONALS

<b>6,0</b>	40	48692	5,0	5	11,0	SW-10	•	100	1.000	48.000
<b>7,5</b>	40	48696	6,0	5	14,5	SW-13	•	50	500	24.000
	40	49833*	6,0	5	14,5	SW-13	•	40	400	19.200
	60	48698	6,0	5/25	14,5	SW-13	•	50	500	24.000
<b>10,0</b>	60	49834*	6,0	5/25	14,5	SW-13	•	40	400	19.200
	60	48700	8,0	10	19,5	SW-13	•	25	250	12.000
	75	48702	8,0	10/25	19,5	SW-13	•	25	250	12.000

SW = wrench size

• = ETA 15/0784

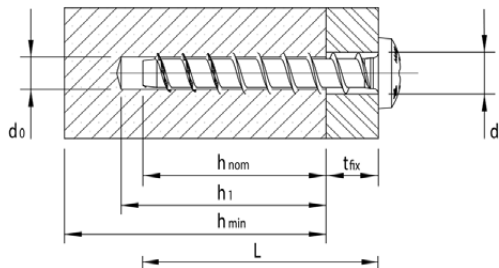
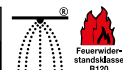
\* combi-thread M8/M10 x 23 mm

MMS-plus I 6,0 internal-thread M6 x 15 mm

MMS-plus I 7,5 internal-thread M8 x 12 mm

MMS-plus I 10,0 internal-thread M10 x 13 mm

<b>Type:</b>	MMS-plus P pan head
<b>Material:</b>	steel, hardened
<b>Surface:</b>	bright zinc plated <span style="background-color: #0070C0; color: white; padding: 2px;">Color code HECO-Label</span>
<b>Recess:</b>	T-Drive



Size D x L [mm]	Article No.	Drill diameter d <sub>0</sub> [mm]	Clamping strength t <sub>c</sub> [mm]	Head diameter [mm]	Recess	Approvals	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
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VARIANTA - BOXES FOR PROFESSIONALS										
<b>5,0</b>	30 <sup>1)</sup>	21685*	4,0	1	7,9	T-20		200	2.000	96.000
	50 <sup>1)</sup>	21733*	4,0	15	7,9	T-20		200	2.000	96.000
<b>6,0</b>	30 <sup>1)</sup>	22098*	5,0	1	11,2	T-30		200	2.000	96.000
	35	49850	5,0	1	11,2	T-30	•	100	1.000	48.000
	40	48483	5,0	5	11,2	T-30	•	100	1.000	48.000
	50	48485	5,0	5/15	11,2	T-30	•	100	1.000	48.000
	60	48487	5,0	15/25	11,2	T-30	•	100	1.000	48.000
<b>7,5</b>	25 <sup>1)</sup>	22341*	6,0	1	13,6	T-30		100	2.000	96.000
	35	49852	6,0	1	14,5	T-30	•	100	1.000	48.000
	40	48489	6,0	5	14,5	T-30	•	100	1.000	48.000
	50	48491	6,0	15	14,5	T-30	•	100	1.000	48.000
	60	48493	6,0	5/25	14,5	T-30	•	50	500	24.000
<b>10,0</b>	60	49823	8,0	10	19,5	T-40	•	25	250	12.000
	70	49825	8,0	5/20	19,5	T-40	•	25	250	12.000

• = ETA 15/0784

\* Not qualified for fastenings in case of fire

<sup>1)</sup> Product range MMS-P pan head



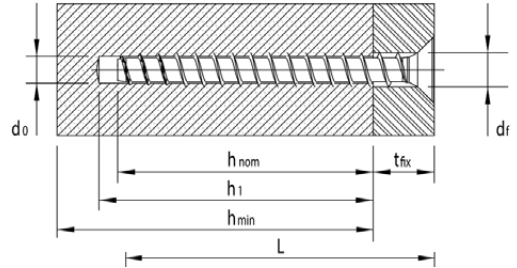
**Type:** MMS-KS reduced countersunk head

**Material:** steel, hardened

**Surface:** bright zinc plated



**Recess:** T-Drive



Size D x L [mm]	Article No.	Drill diameter d <sub>0</sub> [mm]	Clamping strength t <sub>cl</sub> [mm]	Head diameter [mm]	Recess	Approvals	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
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VARIANTA - BOXES FOR PROFESSIONALS

5,0	40	37146	4,0	5	7,8	T-20	200	2.000	96.000
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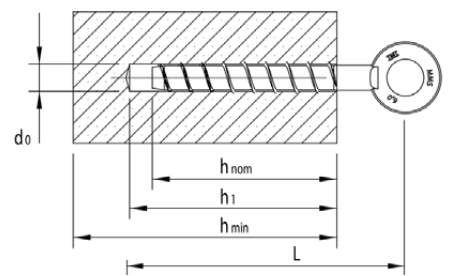
**Type:** MMS-R eye-bolt-anchor\*

**Material:** steel, hardened

**Surface:** bright zinc plated



**Recess:** installation tool



Size D x L [mm]	Article No.	Drill diameter d <sub>0</sub> [mm]	Clamping strength t <sub>cl</sub> [mm]	Head diameter [mm]	Recess	Approvals	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]
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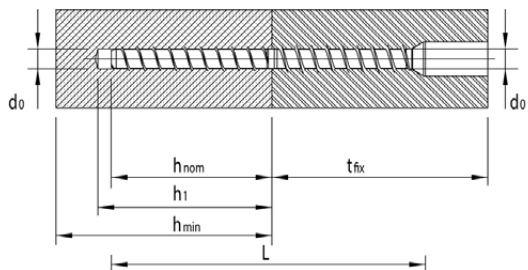
VARIANTA - BOXES FOR PROFESSIONALS

6,0	40	23026	5,0	-	14,0		200	2.000	96.000
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\* Installation tool is included



<b>Type:</b>	MMS-TC TimberConnect
<b>Material:</b>	steel, hardened
<b>Surface:</b>	bright zinc plated <span style="float: right; color: blue;">Color code HECO-Label</span>
<b>Recess:</b>	T-Drive



Size D x L [mm]	Article No.	Drill diameter d <sub>0</sub> [mm]	Clamping strength t <sub>cl</sub> [mm]	Head diameter [mm]	Recess	Approvals	Packing unit [pcs.]	Pieces per outer carton [pcs.]	Pieces per pallet [pcs.]	
VARIANTA - BOXES FOR PROFESSIONALS										
<b>7,5</b>	100	48308	6,0	40 – 150	10,0	T-30	O	50	500	24.000
<b>10,0</b>	130	48310	8,0	60 – 200	16,0	T-45	O	25	250	12.000
<b>12,0</b>	160	48312	10,0	80 – 300	17,5	T-50	O	25	100	9.600

O = Z-21.1-1879

**ACCESSORIES**



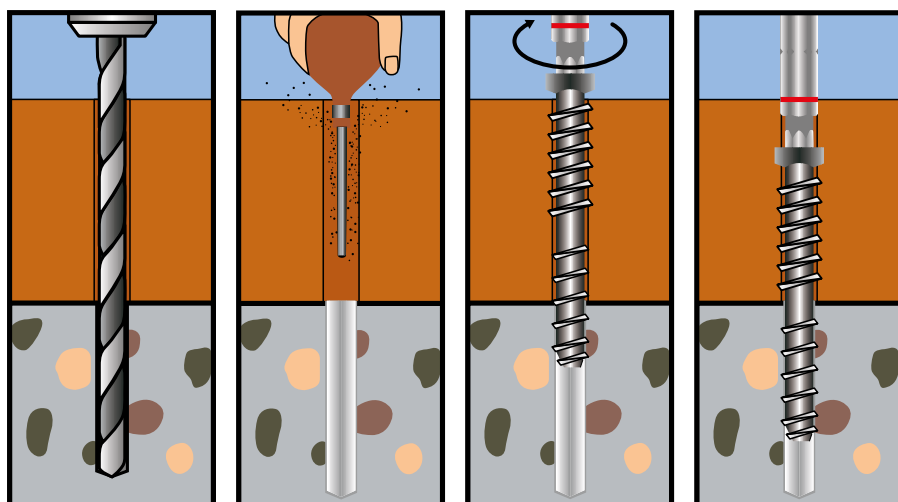
**Type:** installation tools for MULTI-MONTI TimberConnect

Type	Size of recess	Article No.	Packing unit [pcs.]	For use with
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INSTALLATION-TOOLS FOR MMS-TC SCREW-IN-ANCHORS				
MMS-TC installation tool T-30	with T-Drive bit	43603	1	MMS-TC 7,5
MMS-TC installation tool T-45	with 1/2" socket wrench drive	47095	1	MMS-TC 10
MMS-TC installation tool T-50	with 1/2" socket wrench drive	43605	1	MMS-TC 12

**The right way to install**

1. Drilling
2. Cleaning
3. Screwing
4. Finished




# MMS-plus MULTI-MONTI®-plus



## ACCESSORIES

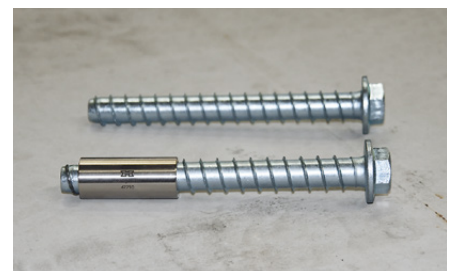
**Type:** HECO-gauges for checking reusability of MULTI-MONTI-plus.

Gauges to check the thread diameter of MMS-plus 10 to MMS-plus 20 incase of reusability by temporary fastenings.

	Anchor size	Gauges diameter [mm]	Gauges length [mm]	Article No.
	MMS-plus 10	9,5	24	47792
	MMS-plus 12	11,5	32	47793
	MMS-plus 16	15,5	36	47794
	MMS-plus 20	19,5	58	47795

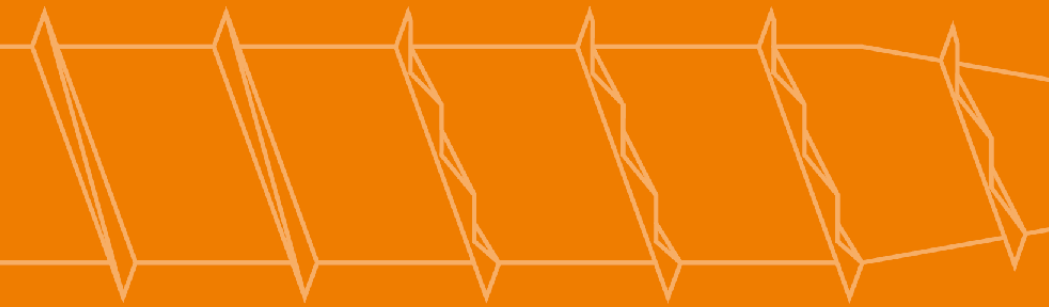


*Anchor can be reused*



*Anchor fits through the gauge - reuse is not possible*





*Safe and secure*



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