

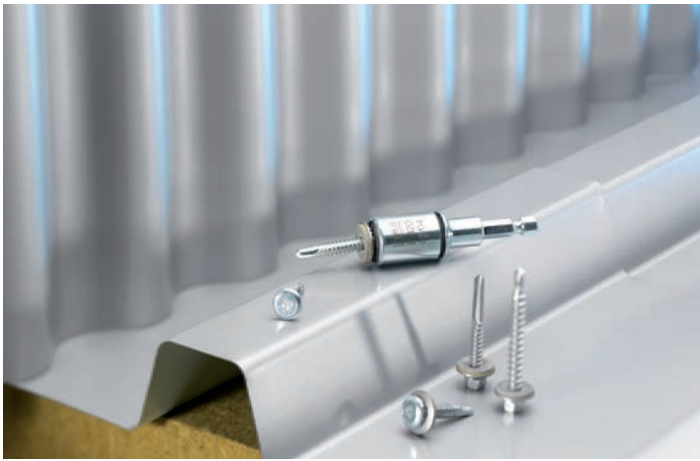


The
innovative
anchor screw
from SFS

MULTI- MONTI®



**Inventing
success
together**



Roofing and Cladding

A pioneer in self-drilling and threading fasteners for roofing and cladding, offering a wide spectrum of products, backed up by comprehensive technical expertise.



Flat Roofing

SFS has been at the forefront for setting standards in the mechanical fastening of membranes and insulation on flat roofs for over 50 years.



Hinge Technology and Fenestration

SFS manufactures high quality hinges for internal and external doors and windows across a wide range of material types including UPVC, timber, composite and metal.



Rainscreen Support Systems

We manufacture Rainscreen Support Systems that are safe, economic and effective for use across a wide range of building types.



Fall Protection

The innovative fall protection systems developed by SFS protect people who work at heights.



Timber Construction

SFS manufacture customised fastening solutions for timber construction, providing robust designs that meet the latest standards.

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Carbon steel

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Carbon steel

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MULTI-MONTI®-S **19**

Stainless steel

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European Technical Assessment (ETA)

ETA provides the basis for the required CE conformity of the products and thus enables Europe-wide distribution. The associated Declarations of Performance are also available.



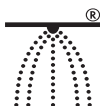
Seismic assessment

Products of performance class "C1" are suitable for non-load-bearing elements with low earthquake load according to recommendations TR 045. This seismic approval is part of the ETA.



German Building Inspectorate Approval

The German Institute for Construction Technology (DiBT) has a nationally valid approval for the product or the product group. The Ü-sign denotes compliance with the requirements defined in the approval.



Sprinkler-Logo

Products with this mark meet the requirements of the VdS guideline CEA 4001, which defines the standard for the planning and installation of sprinkler systems.



Fire resistance
class R120

Fire rating

These products are fire resistant up to 120 minutes according to EN1363-1.

Overview

Powerful fasteners for concrete and masonry.

The MULTI-MONTI® product range offers a wide selection of carbon steel and stainless steel solutions for safe installation of steel, metal and timber elements into concrete and masonry.

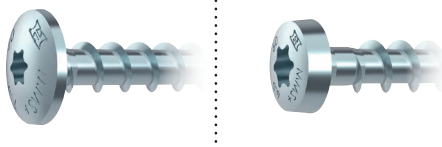
The advantages at a glance

- approved for multiple use in young concrete
- different load classes per diameter
- fast and easy installation
- easy disassembly
- extensive range
- optimal thread geometry for a durable secure connection



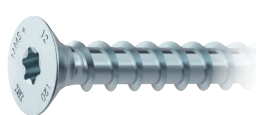
Pan head

low profile head design



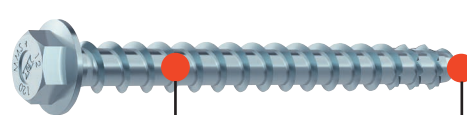
Countersunk head

for a clean, flush finish



Hex head with flange

the standard version for the MMS-plus



Enhanced concrete thread (Plus)

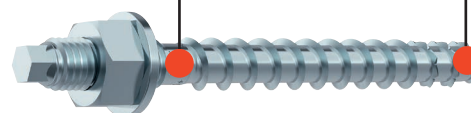
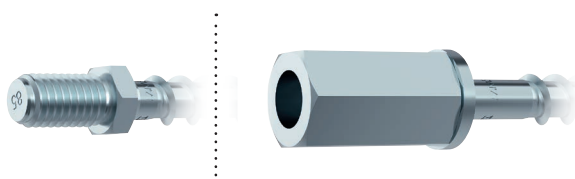
reduced core diameter and larger thread diameter for more effective engagement

Function tip

improved cutting teeth for better installation and reduced wear

Connection thread

for easy assembly of attachment



MULTI-MONTI® Product code

Type d* l

MULTI-MONTI® - plus - T - T40 - 7,5 x 100

Material

T = Tempered/carbon steel

S = Stainless steel

HP = High-Performance coating

Head form

Blank = hex head

T25 = countersunk head with T25

T30 = countersunk head with T30

T40 = countersunk head with T40

T45 = countersunk head with T45

T50 = countersunk head with T50

D8 = pan head 8mm

D11 = pan head 11mm

D14 = pan head 14mm

D15 = pan head 15mm

D17 = pan head 17mm

D20 = pan head 20mm

ETM = external metric thread

ITM = internal metric thread

W44 = big washer (DIN 440)

TC = TimberConnect

Total length of the fastener

Diameter

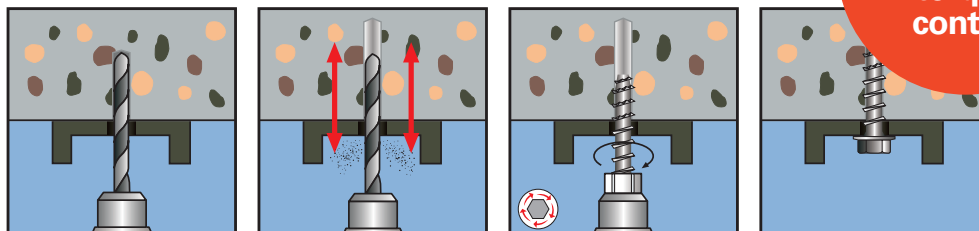
Product family
MULTI-MONTI®-plus
MULTI-MONTI®

***d → Outer thread diameter**

Installation

Vertical installation

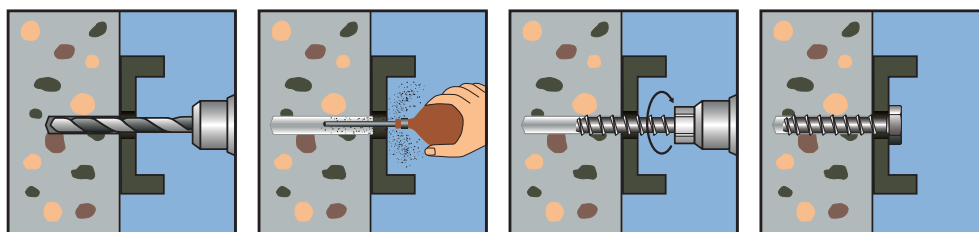
1. Drill
2. Remove dust
3. Screw in
4. Finished



Assembly
without
torque
control

Horizontal installation

1. Drill
2. Remove dust
3. Screw in
4. Finished



Power output of the tangential impact wrench for use with MULTI-MONTI®

Diameter	MMS - 5	MMS - 6	MMS - 7,5	MMS - 10	MMS - 12	MMS - 14	MMS - 16	MMS - 20
Power output of wired impact driver*	-	ca. 100Nm	ca. 100Nm	ca. 250Nm	ca. 350Nm	ca. 350Nm	ca. 350Nm	ca. 350Nm
Power output of battery impact driver*	-	ca. 100Nm	ca. 160Nm	ca. 250Nm	ca. 600Nm	ca. 600Nm	ca. 600Nm	ca. 800Nm

* Recommended power output without guarantee

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	
Max. admissible tension load* " N_{zul} " of a single anchor without edge influence ¹													
Cracked concrete C20/25 ³	[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 ³	[kN]	2,7	4,0	2,0	7,1	5,4	8,8	10,7	14,6	16,8	21,5	30,3	
Max. admissible shear load* " V_{zul} " of a single anchor without edge influence ²													
Cracked concrete C20/25 ³	[kN]	2,3	2,4 ⁵	2,4	3,6 ⁵	3,8	6,3	7,7	14,3 ⁵	24,0	29,7 ⁵	43,3	
Non-cracked concrete C20/25 ³	[kN]	2,4 ⁵	2,4 ⁵	3,3	3,6 ⁵	5,4	8,1 ⁵	10,7	14,3 ⁵	29,7 ⁵	29,7 ⁵	50,5 ⁵	
Admissible bending load* " M_{zul} "													
	[Nm]	4,0		8,4		20,4		39,6		123,0		275,1	
Dimensions of concrete member and installation data													
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	115	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	77	90	114	
Min. spacing	$s_{min} =$ [mm]	30		35		35		40		60		80	
Min. edge distance	$c_{min} =$ [mm]	30		30		35		40		60		80	
Min. thickness of concrete member	$h_{min} =$ [mm]	100		100		100	115	125	150	150		180	
Clearance hole diameter	$d_f =$ [mm]	7		9		12,5		14,5		19		23	
Recommended installation torque ⁴	$T_{max} =$ [Nm]	75	100	120		250		250		600		800	
Installation torque for connecting thread ¹	$T_{inst} =$ [Nm]	-		15		20		30		55	70	140	

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

2) That means $c \geq 10 \cdot h_{ef}$

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

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

5) Steel failure decisive.

*) 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 $\gamma_G = 1,35$ 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 the attachment C of the ETAG 001 respectively CEN/TS 1992-4 or our calculation assistance.



Carbon steel screw anchor **MULTI-MONTI®-plus-T**

The new standard anchor with flange.

The key feature of the new design is the optimised concrete thread with a larger effective surface area in concrete, which considerably increases its load-bearing capacity.

The universal concrete fastener for cracked and non-cracked concrete provides flexibility and performance. Thanks to the wear resistant function tip, installation is easy, with higher load capacities possible at the same time. The MULTI-MONTI®-plus -T product family is a secure solution for industrial steel and metal construction and finishing works.

Ideal for fixing metal on concrete, eg. supports, wall mounts and consoles, push-pull props, railing, mounting rails.

Simple calculation

The calculation software SFS Designer is a great help for structural design offices, allowing optimal dimensioning of anchorages in concrete, through the calculation of all fastening fracture types, and taking into account the calculations from the ETA.

Advantages

- Fast and easy handling
- Low edge distances
- Permitted for seismic C2 and hollow slabs applications

Standards

The CE mark ETA-15/0784 gives you all the necessary safety and technical parameters for correct dimensioning. Multiple use for temporary fixings in young concrete is permitted according to German approval AbZ Z-21.8-2061.



Product information



ETA-05/0010
ETA-15/0784



Hex head with flange

Carbon steel, hardened,
HP-coated and blue galvanized
(Chrome VI free)



For anchoring in concrete

- SW-8
- SW-10
- SW-13
- SW-15
- SW-21
- SW-24



Countersunk head

Carbon steel, hardened, blue
galvanized (Chrome VI free)



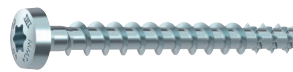
For anchoring in concrete

- T-25
- T-30
- T-40
- T-45
- T-50



Pan head

Carbon steel, hardened, blue
galvanized (Chrome VI free)



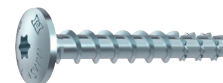
For anchoring in concrete

- T-20
- T-30
- T-40
- T-30



Reduced pan head

Carbon steel, hardened, blue
galvanized (Chrome VI free)

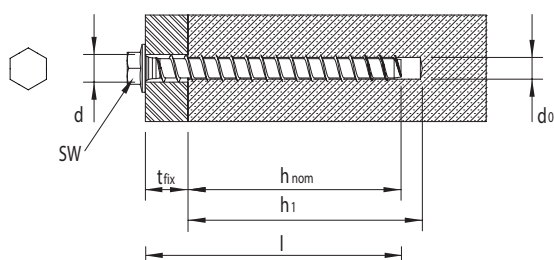


For anchoring in concrete

- T-30



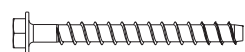
MULTI-MONTI®-plus-T



$$h_{nom} \leq 45 \text{ mm} \rightarrow h_1 = h_{nom} + 5 \text{ mm}$$

$$h_{nom} \geq 50 \text{ mm} \rightarrow h_1 = h_{nom} + 10 \text{ mm}$$

d Diameter* · **l** Length · **d₀** Hole diameter · **h₁** Hole depth · **h_{nom}** Effective screw length · **SW** Head size · **t_{fix}** Clamp length · **All dimensions in mm**



Carbon steel

Stocked Stocked in UK ● Please contact customer service for availability

Product code Type	d*	l	d ₀	t _{fix}	Drive	VPE	Article number	UK stock
MULTI-MONTI-plus-T	6,0x	40	5,0	5	SW-8	100	1541556	●
MULTI-MONTI-plus-T	6,0x	50	5,0	5/15	SW-8	100	1517715	●
MULTI-MONTI-plus-T	6,0x	60	5,0	15/25	SW-8	100	1541558	●
MULTI-MONTI-plus-T	6,0x	70	5,0	25/35	SW-8	100	1541573	●
MULTI-MONTI-plus-T	6,0x	80	5,0	35/45	SW-8	50	1563759	●
MULTI-MONTI-plus-T	7,5x	35	6,0	1	SW-10	100	1563771	●
MULTI-MONTI-plus-T	7,5x	40	6,0	5	SW-10	100	1480031	●
MULTI-MONTI-plus-T	7,5x	50	6,0	15	SW-10	50	1480032	Stocked
MULTI-MONTI-plus-T	7,5x	60	6,0	5/25	SW-10	50	1480033	●
MULTI-MONTI-plus-T	7,5x	70	6,0	15/35	SW-10	50	1503514	●
MULTI-MONTI-plus-T	7,5x	80	6,0	25/45	SW-10	50	1507359	●
MULTI-MONTI-plus-T	7,5x	100	6,0	45/65	SW-10	50	1515810	●
MULTI-MONTI-plus-T	7,5x	120	6,0	65/85	SW-10	50	1563777	●
MULTI-MONTI-plus-T	7,5x	140	6,0	85/105	SW-10	50	1563779	●



ETA-15/0784

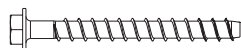
Carbon steel

Stocked Stocked in UK ● Please contact customer service for availability

Product code Type	d*	l	d ₀	t _{fix}	Drive	VPE	Article number	UK stock
MULTI-MONTI-plus-T	10,0x	60	8,0	10	SW-13	25	1503515	●
MULTI-MONTI-plus-T	10,0x	70	8,0	5/20	SW-13	25	1480034	●
MULTI-MONTI-plus-T	10,0x	80	8,0	15/30	SW-13	25	1491708	●
MULTI-MONTI-plus-T	10,0x	90	8,0	25/40	SW-13	25	1563780	●
MULTI-MONTI-plus-T	10,0x	100	8,0	35/50	SW-13	25	1547793	●
MULTI-MONTI-plus-T	10,0x	120	8,0	55/70	SW-13	25	1563781	●
MULTI-MONTI-plus-T	10,0x	140	8,0	75/90	SW-13	25	1522355	●
MULTI-MONTI-plus-T	10,0x	160	8,0	95/110	SW-13	25	1563782	●
MULTI-MONTI-plus-T	12,0x	60 ¹	10,0	5	SW-18	25	1563783*	●
MULTI-MONTI-plus-T	12,0x	80	10,0	5	SW-15	25	1516300	●
MULTI-MONTI-plus-T	12,0x	90	10,0	1/15	SW-15	25	1480035	●
MULTI-MONTI-plus-T	12,0x	100	10,0	10/25	SW-15	25	1503516	●
MULTI-MONTI-plus-T	12,0x	120	10,0	30/45	SW-15	25	1503517	●
MULTI-MONTI-plus-T	12,0x	140	10,0	50/65	SW-15	25	1516202	●
MULTI-MONTI-plus-T	12,0x	160	10,0	70/85	SW-15	25	1516203	●
MULTI-MONTI-plus-T	14,0x	110 ¹	12,0	15	SW-21	25	1563933	●
MULTI-MONTI-plus-T	14,0x	130 ¹	12,0	35	SW-21	25	1563934	●
MULTI-MONTI-plus-T	14,0x	150 ¹	12,0	55	SW-21	25	1563935	●
MULTI-MONTI-plus-T	16,0x	80 ¹	14,0	10	SW-24	25	1540536*	●
MULTI-MONTI-plus-T	16,0x	120	14,0	5/20	SW-21	10	1563976*	●
MULTI-MONTI-plus-T	16,0x	130	14,0	15/30	SW-21	10	1563938*	●
MULTI-MONTI-plus-T	16,0x	140	14,0	25/40	SW-21	10	1563940*	●
MULTI-MONTI-plus-T	16,0x	160	14,0	45/60	SW-21	10	1563951*	●
MULTI-MONTI-plus-T	20,0x	100 ¹	18,0	10	SW-30	10	1563955*	●
MULTI-MONTI-plus-T	20,0x	130 ¹	18,0	15	SW-30	10	1563957*	●
MULTI-MONTI-plus-T	20,0x	160	18,0	20	SW-24	6	1563958*	●
MULTI-MONTI-plus-T	20,0x	180	18,0	40	SW-24	6	1563959*	●
MULTI-MONTI-plus-T	20,0x	200	18,0	60	SW-24	6	1563960*	●

¹ version with hex head without flange

* not tested for fastening under fire conditions



ETA-15/0784

Carbon steel

HP-coated

Stocked Stocked in UK ● Please contact customer service for availability

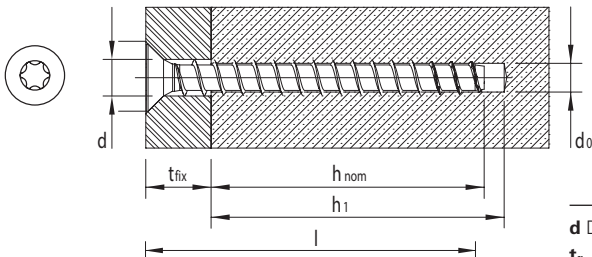
Product code Type	d*	l	d ₀	t _{fix}	Drive	VPE	Article number	UK stock
MULTI-MONTI-plus-T-HP	6,0x	50	5,0	5/15	SW-8	100	1564289	●
MULTI-MONTI-plus-T-HP	6,0x	60	5,0	15/25	SW-8	100	1564290	●
MULTI-MONTI-plus-T-HP	7,5x	50	6,0	15	SW-10	50	1564301	●
MULTI-MONTI-plus-T-HP	7,5x	60	6,0	5/25	SW-10	50	1508312	●
MULTI-MONTI-plus-T-HP	7,5x	70	6,0	15/35	SW-10	50	1564302	●
MULTI-MONTI-plus-T-HP	10,0x	60	8,0	10	SW-13	25	1523576	●
MULTI-MONTI-plus-T-HP	10,0x	70	8,0	5/20	SW-13	25	1508314	●
MULTI-MONTI-plus-T-HP	10,0x	80	8,0	15/30	SW-13	25	1564303	●
MULTI-MONTI-plus-T-HP	10,0x	90	8,0	25/40	SW-13	25	1564304	●
MULTI-MONTI-plus-T-HP	12,0x	90	10,0	1/15	SW-15	25	1508315	●
MULTI-MONTI-plus-T-HP	12,0x	100	10,0	10/25	SW-15	25	1564287	●
MULTI-MONTI-plus-T-HP	12,0x	120	10,0	30/45	SW-15	25	1564288	●



Metal Test Gauge (Easy monitoring to check their suitability for reuse.)

Stocked Stocked in UK ● Please contact customer service for availability

Product code Type	d*	l	d ₀	t _{fix}	Drive	VPE	Article number	UK stock
MULTI-MONTI-MH-10	-	-	-	-	-	1	1499130	●
MULTI-MONTI-MH-12	-	-	-	-	-	1	1499143	●
MULTI-MONTI-MH-16	-	-	-	-	-	1	1540547	●
MULTI-MONTI-MH-20	-	-	-	-	-	1	1564422	●



$h_{nom} \leq 45 \text{ mm} \rightarrow h_1 = h_{nom} + 5 \text{ mm}$

$h_{nom} \geq 50 \text{ mm} \rightarrow h_1 = h_{nom} + 10 \text{ mm}$

d Diameter* · l Length · d₀ Hole diameter · h₁ Hole depth · h_{nom} Effective screw length · t_{fix} Clamp length · **All dimensions in mm**



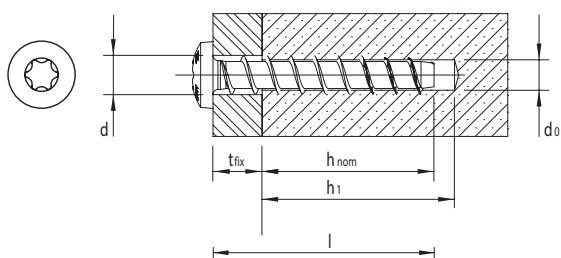
Carbon steel

Stocked Stocked in UK ● Please contact customer service for availability

Product code Type	d*	l	d ₀	t _{fix}	Drive	VPE	Article number	UK stock
MULTI-MONTI-plus-T-T25	5,0x	30 ¹	4,0	1	T-25	200	1564071*	●
MULTI-MONTI-plus-T-T25	5,0x	40 ¹	4,0	5	T-25	200	1564072*	●
MULTI-MONTI-plus-T-T25	5,0x	50 ¹	4,0	15	T-25	200	1564073*	●
MULTI-MONTI-plus-T-T25	5,0x	60 ¹	4,0	25	T-25	200	1564075*	●
MULTI-MONTI-plus-T-T30	6,0x	40	5,0	5	T-30	100	1564077	●
MULTI-MONTI-plus-T-T30	6,0x	50	5,0	5/15	T-30	100	1564078	●
MULTI-MONTI-plus-T-T30	6,0x	60	5,0	15/25	T-30	100	1503572	●
MULTI-MONTI-plus-T-T30	6,0x	70	5,0	25/35	T-30	100	1564079	●
MULTI-MONTI-plus-T-T30	6,0x	80	5,0	35/45	T-30	50	1503574	●
MULTI-MONTI-plus-T-T30	6,0x	100	5,0	55/65	T-30	50	1564080	●
MULTI-MONTI-plus-T-T30	6,0x	120	5,0	75/85	T-30	50	1564081	●
MULTI-MONTI-plus-T-T30	6,0x	140	5,0	95/105	T-30	50	1564082	●
MULTI-MONTI-plus-T-T40	7,5x	45	6,0	10	T-40	100	1564083	●
MULTI-MONTI-plus-T-T40	7,5x	50	6,0	15	T-40	100	1480036	●
MULTI-MONTI-plus-T-T40	7,5x	60	6,0	5/25	T-40	50	1480037	●
MULTI-MONTI-plus-T-T40	7,5x	70	6,0	15/35	T-40	50	1564084	●
MULTI-MONTI-plus-T-T40	7,5x	80	6,0	25/45	T-40	50	1503577	●
MULTI-MONTI-plus-T-T40	7,5x	100	6,0	45/65	T-40	50	1486584	●
MULTI-MONTI-plus-T-T40	7,5x	120	6,0	65/85	T-40	50	1564086	●
MULTI-MONTI-plus-T-T40	7,5x	140	6,0	85/105	T-40	50	1564087	●
MULTI-MONTI-plus-T-T40	7,5x	160	6,0	105/125	T-40	50	1486585	●
MULTI-MONTI-plus-T-T45	10,0x	60	8,0	10	T-45	25	1503581	●
MULTI-MONTI-plus-T-T45	10,0x	70	8,0	5/20	T-45	25	1480038	●
MULTI-MONTI-plus-T-T45	10,0x	80	8,0	15/30	T-45	25	1503583	●
MULTI-MONTI-plus-T-T50	12,0x	90	10,0	15	T-50	25	1480039	●
MULTI-MONTI-plus-T-T50	12,0x	100	10,0	10/25	T-50	25	1503584	●
MULTI-MONTI-plus-T-T50	12,0x	120	10,0	30/45	T-50	25	1564088	●

¹ version with countersunk head

* not tested for fastening under fire conditions



$$h_{nom} \leq 45 \text{ mm} \rightarrow h_1 = h_{nom} + 5 \text{ mm}$$

$$h_{nom} \geq 50 \text{ mm} \rightarrow h_1 = h_{nom} + 10 \text{ mm}$$

d Diameter* · **l** Length · **d₀** Hole diameter · **h₁** Hole depth · **h_{nom}** Effective screw length · **t_{fix}** Clamp length · **All dimensions in mm**



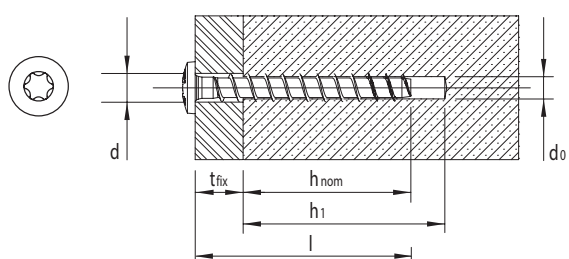
Carbon steel

Stocked Stocked in UK ● Please contact customer service for availability

Product code Type	d*	l	d ₀	t _{fix}	Drive	VPE	Article number	UK stock
MULTI-MONTI-plus-T-D8	5,0x	30 ¹	4,0	1	T-20	200	1564115*	●
MULTI-MONTI-plus-T-D8	5,0x	50 ¹	4,0	15	T-20	200	1564116*	●
MULTI-MONTI-plus-T-D11	6,0x	30 ¹	5,0	1	T-30	200	1564117*	●
MULTI-MONTI-plus-T-D11	6,0x	35	5,0	1	T-30	100	1564118	●
MULTI-MONTI-plus-T-D11	6,0x	40	5,0	5	T-30	100	1503604	●
MULTI-MONTI-plus-T-D11	6,0x	50	5,0	5/15	T-30	100	1564119	●
MULTI-MONTI-plus-T-D11	6,0x	60	5,0	15/25	T-30	100	1564121	●
MULTI-MONTI-plus-T-D15	7,5x	25 ¹	6,0	1	T-40	200	1564122*	●
MULTI-MONTI-plus-T-D15	7,5x	35	6,0	1	T-30	100	1564124	●
MULTI-MONTI-plus-T-D15	7,5x	40	6,0	5	T-30	100	1480040	●
MULTI-MONTI-plus-T-D15	7,5x	50	6,0	15	T-30	100	1480041	●
MULTI-MONTI-plus-T-D15	7,5x	60	6,0	5/25	T-30	50	1480042	●
MULTI-MONTI-plus-T-D20	10,0x	60	8,0	10	T-40	25	1564125	●
MULTI-MONTI-plus-T-D20	10,0x	70	8,0	5/20	T-40	25	1564126	●

¹ version with round head

* not tested for fastening under fire conditions



$$h_{nom} \leq 45 \text{ mm} \rightarrow h_1 = h_{nom} + 5 \text{ mm}$$

$$h_{nom} \geq 50 \text{ mm} \rightarrow h_1 = h_{nom} + 10 \text{ mm}$$

d Diameter* · **l** Length · **d₀** Hole diameter · **h₁** Hole depth · **h_{nom}** Effective screw length · **SW** Head size · **t_{fix}** Clamp length · **All dimensions in mm**



Carbon steel

Stocked Stocked in UK ● Please contact customer service for availability

Product code Type	d*	l	d ₀	t _{fix}	Drive	VPE	Article number	UK stock
MULTI-MONTI-plus-T-D17	7,5x	35	6,0	1	T-30	100	1519718	●
MULTI-MONTI-plus-T-D17	7,5x	40	6,0	5	T-30	100	1519752	●
MULTI-MONTI-plus-T-D17	7,5x	45	6,0	10	T-30	100	1519753	●
MULTI-MONTI-plus-T-D17	7,5x	50	6,0	15	T-30	100	1519755	●



Fastener with connection thread **MULTI-MONTI®-plus-T**

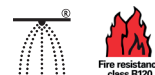
The concrete anchor for all other fixings.

Where additional attachments or connections are required the MULTI-MONTI® range offers the right concrete anchor.

The universal solution for connections with metric thread, available as

- Connection thread anchor with external thread
- Connection thread anchor with internal thread
- Metric stud anchor

Product information



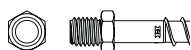
Connection thread anchor with external thread

Carbon steel, hardened, blue galvanized
(Chrome VI free)



For anchoring in concrete

- M6
- M8
- M10



Connection thread anchor with internal thread

Carbon steel, hardened, blue galvanized
(Chrome VI free)



For anchoring in concrete

- M6
- M8
- M10



Metric stud anchor

Carbon steel, hardened, blue galvanized
(Chrome VI free)

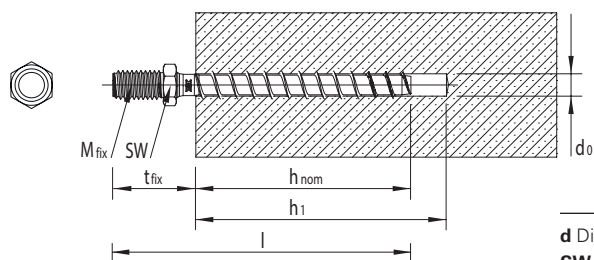


For anchoring in concrete

- M8
- M10
- M12
- M16
- M20



MULTI-MONTI®-plus-T



$$h_{nom} \leq 45 \text{ mm} \rightarrow h_1 = h_{nom} + 5 \text{ mm}$$

$$h_{nom} \geq 50 \text{ mm} \rightarrow h_1 = h_{nom} + 10 \text{ mm}$$

d Diameter* · l Length · d₀ Hole diameter · h₁ Hole depth · h_{nom} Effective screw length · SW Head size · t_{fix} Clamp length · M_{fix} Connection thread · All dimensions in mm



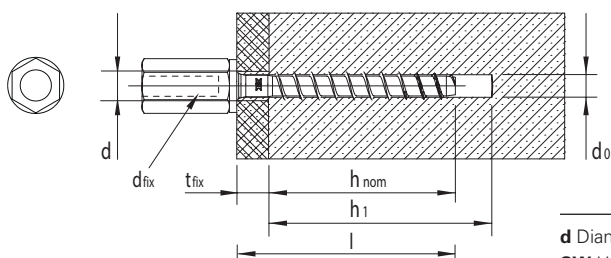
ETA-15/0784

Carbon steel

Stocked Stocked in UK ● Please contact customer service for availability

Product code Type	d*	l	d ₀	t _{fix}	Drive	VPE	Article number	UK stock
MULTI-MONTI-plus-T-ETM6	6,0x	55	5,0	10/20	SW-10	100	1564090	●
MULTI-MONTI-plus-T-ETM6	6,0x	65	5,0	20/30	SW-10	50	1564091	●
MULTI-MONTI-plus-T-ETM8	7,5x	60	6,0	5/25	SW-10	50	1527150	●
MULTI-MONTI-plus-T-ETM8	7,5x	70	6,0	15/35	SW-10	50	1564092	●
MULTI-MONTI-plus-T-ETM8	7,5x	80	6,0	25/45	SW-10	50	1526716	●
MULTI-MONTI-plus-T-ETM8	7,5x	100	6,0	45/65	SW-10	50	1564093	●
MULTI-MONTI-plus-T-ETM8	7,5x	120	6,0	65/85	SW-10	50	1564094	●
MULTI-MONTI-plus-T-ETM10	10,0x	75	8,0	10/25	SW-13	25	1564095	●
MULTI-MONTI-plus-T-ETM10	10,0x	85	8,0	20/35	SW-13	25	1564096	●

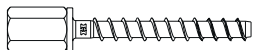
For ETM6 = Connection thread "M_{fix}" M6x5 mm; for ETM8 = Connection thread "M_{fix}" M8x14 mm; for ETM10 = Connection thread "M_{fix}" M10x11 mm.



$$h_{nom} \leq 45 \text{ mm} \rightarrow h_1 = h_{nom} + 5 \text{ mm}$$

$$h_{nom} \geq 50 \text{ mm} \rightarrow h_1 = h_{nom} + 10 \text{ mm}$$

d Diameter* · l Length · d₀ Hole diameter · h₁ Hole depth · h_{nom} Effective screw length · SW Head size · t_{fix} Clamp length · M_{fix} Connection thread · All dimensions in mm



ETA-15/0784

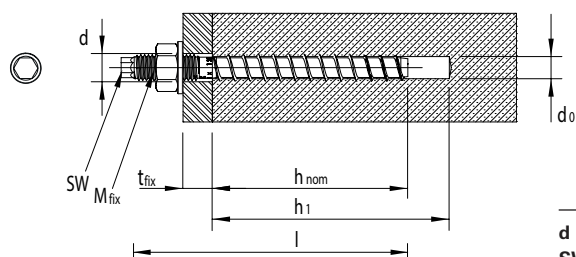
Carbon steel

Stocked Stocked in UK ● Please contact customer service for availability

Product code Type	d*	l	d ₀	t _{fix}	Drive	VPE	Article number	UK stock
MULTI-MONTI-plus-T-ITM6	6,0x	40	5,0	5	SW-10	100	1564098	●
MULTI-MONTI-plus-T-ITM8	7,5x	40	6,0	5	SW-13	40	1564099*	●
MULTI-MONTI-plus-T-ITM8	7,5x	40	6,0	5	SW-13	50	1564100	●
MULTI-MONTI-plus-T-ITM8	7,5x	60	6,0	5/25	SW-13	40	1564111*	●
MULTI-MONTI-plus-T-ITM8	7,5x	60	6,0	5/25	SW-13	50	1485031	●
MULTI-MONTI-plus-T-ITM10	10,0x	60	8,0	10	SW-13	25	1564112	●
MULTI-MONTI-plus-T-ITM10	10,0x	75	8,0	10/25	SW-13	25	1564113	●

For ITM6 = Connection thread "d_{fix}" M6 x 15 mm; for ITM8 = Connection thread "d_{fix}" M8 x 12 mm; for ITM10 = Connection thread "d_{fix}" M10 x 13 mm.

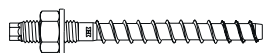
* Combi thread M8/M10x23 mm



$$h_{nom} \leq 45 \text{ mm} \rightarrow h_1 = h_{nom} + 5 \text{ mm}$$

$$h_{nom} \geq 50 \text{ mm} \rightarrow h_1 = h_{nom} + 10 \text{ mm}$$

d Diameter* · **l** Length · **d₀** Hole diameter · **h₁** Hole depth · **h_{nom}** Effective screw length ·
SW Head size · **t_{fix}** Clamp length · **M_{fix}** Connection thread · **All dimensions in mm**



Carbon steel

Stocked Stocked in UK ● Please contact customer service for availability

Product code Type	d*	l	d ₀	t _{fix}	Drive	VPE	Article number	UK stock
MULTI-MONTI-plus-T-ETM8x20	7,5x	80	6,0	15/35	SW-5,5	50	1563977	●
MULTI-MONTI-plus-T-ETM8x40	7,5x	100	6,0	35/55	SW-5,5	50	1563978	●
MULTI-MONTI-plus-T-ETM10x65	10,0x	90	8,0	15/30	SW-7	25	1563979	●
MULTI-MONTI-plus-T-ETM10x40	10,0x	110	8,0	35/50	SW-7	25	1563980	●
MULTI-MONTI-plus-T-ETM10x60	10,0x	130	8,0	55/70	SW-7	25	1563983	●
MULTI-MONTI-plus-T-ETM12x30	12,0x	110	10,0	20	SW-8	25	1563985	●
MULTI-MONTI-plus-T-ETM12x25	12,0x	120	10,0	15/30	SW-8	25	1563988	●
MULTI-MONTI-plus-T-ETM12x45	12,0x	140	10,0	35/50	SW-8	25	1563989	●
MULTI-MONTI-plus-T-ETM16x90	16,0x	150	14,0	35	SW-12	10	1563990*	●
MULTI-MONTI-plus-T-ETM16x75	16,0x	200	14,0	70/85	SW-12	10	1563991*	●
MULTI-MONTI-plus-T-ETM20x40	20,0x	190	18,0	30	SW-15	6	1563993*	●
MULTI-MONTI-plus-T-ETM20x70	20,0x	220	18,0	60	SW-15	6	1563995*	●

For ETM8 = Connection thread "M_{fix}" M8; for ETM10 = Connection thread "M_{fix}" M10; for ETM12 = Connection thread "M_{fix}" M12; for ETM16 = Connection thread "M_{fix}" M16;

for ETM20 = Connection thread "M_{fix}" M20.

* not tested for fastening under fire conditions



Fastening of timber to concrete

MULTI-MONTI®-plus

The fastening system MULTI-MONTI®-plus for anchorages in concrete

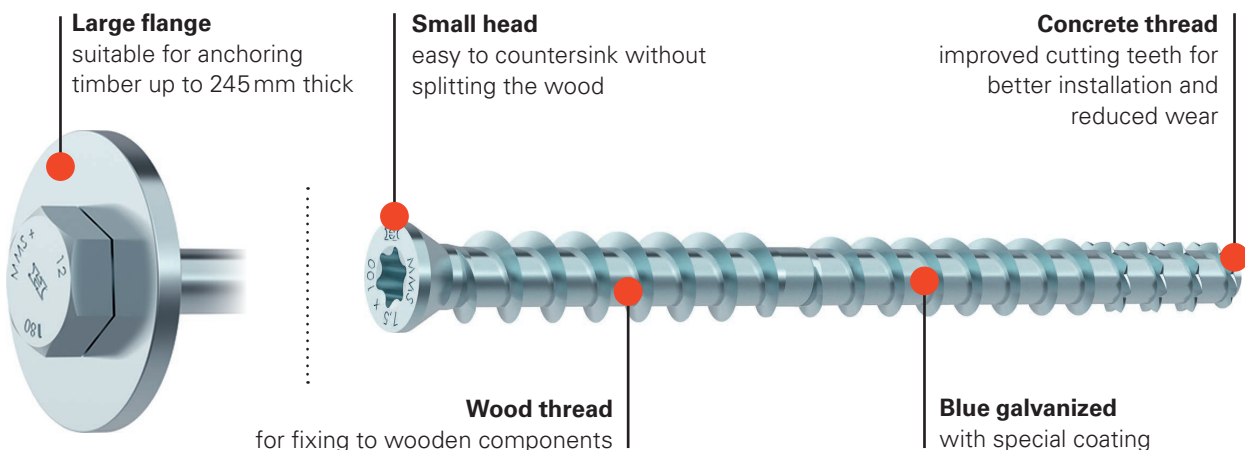
The MULTI-MONTI®-Timber Connect (TC) has been designed for fixing timber components to concrete. The combination of a timber thread and concrete thread can transfer very high tensile and shear loads and the small head allows deep countersinking requiring one length for most timber thicknesses. Another innovation is the MULTI-MONTI®-plus combined with a large 44mm diameter washer to DIN 440, which can fix timber up to 245mm thick.

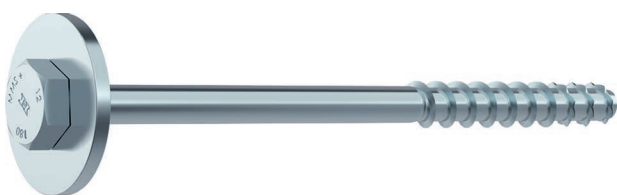
Easy installation

- Drill the wood and concrete in one operation with one concrete drill bit
- Chip removal with the screwdriver
- Direct screwing with a tangential impact driver
- No tightening torque to be tested

Simple calculation

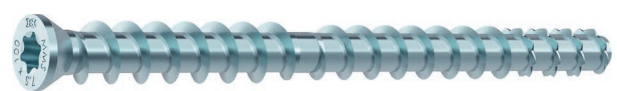
SFS Designer is a software package that offers assistance to structural design offices, allowing guidance and optimisation of the fastener type used, taking into account the calculations from the ETA.





MULTI-MONTI®-plus-T-W44-12xL

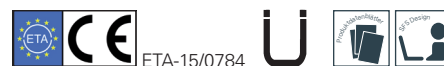
A range of concrete fasteners with a 12mm hex head and large 44mm diameter washer, providing a high strength connection.



MULTI-MONTI®-TC-T-dxL

This range, with a concrete and a timber thread, is ideal for fixing the lower purlins of a structure to concrete slab, or timber elements into concrete walls. Thanks to the special head, it is also possible to countersink the fixture into wood.

Product information



ETA-15/0784

Countersunk head

Carbon steel, hardened, blue galvanized (Chrome VI free)



For anchoring in concrete

- T-30
- T-45
- T-50



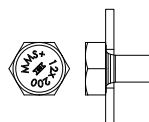
Hex head with large flange DIN 440 (44 mm)

Carbon steel, hardened, blue galvanized (Chrome VI free)



For anchoring in concrete

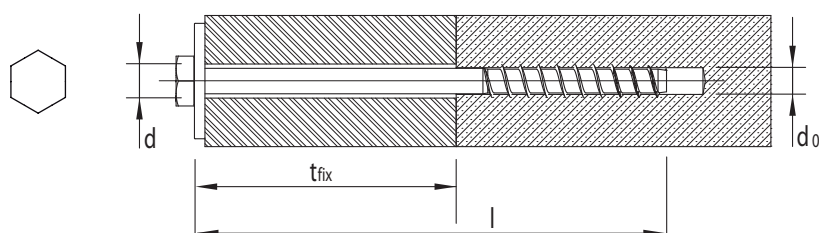
- SW19



Power output of the tangential impact driver for use with MULTI-MONTI®

Diameter	MMS - 7,5	MMS - 10	MMS - 12
Power output of wired impact driver*	ca. 100 Nm	ca. 250 Nm	ca. 350 Nm
Power output of cordless impact driver*	ca. 160 Nm	ca. 250 Nm	ca. 600 Nm

* Recommended power output without guarantee

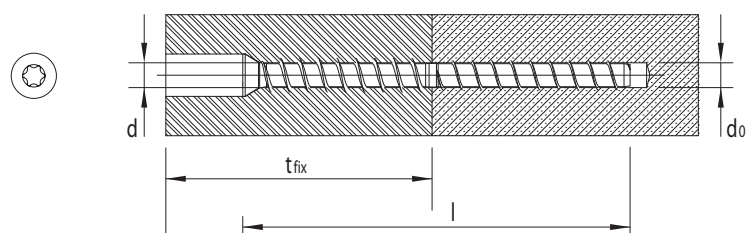
MULTI-MONTI®-plus-T

d Diameter* · **l** Length · **d₀** Hole diameter · **t_{fix}** Clamp length · **All dimensions in mm**

**Carbon steel**

Stocked Stocked in UK ● Please contact customer service for availability

Product code Type	d*	l	d ₀	t _{fix}	Drive	VPE	Article number	UK stock
MULTI-MONTI-plus-T-W44	12,0x	180	10,0	90-105	SW-19	25	1507869	●
MULTI-MONTI-plus-T-W44	12,0x	200	10,0	110-125	SW-19	25	1489555	●
MULTI-MONTI-plus-T-W44	12,0x	240	10,0	150-165	SW-19	25	1489089	●
MULTI-MONTI-plus-T-W44	12,0x	280	10,0	190-205	SW-19	25	1507870	●
MULTI-MONTI-plus-T-W44	12,0x	320	10,0	230-245	SW-19	25	1507871	●

MULTI-MONTI®-TC

d Diameter* · **l** Length · **d₀** Hole diameter · **t_{fix}** Clamp length · **All dimensions in mm**

**Carbon steel**

Stocked Stocked in UK ● Please contact customer service for availability

Product code Type	d*	l	d ₀	t _{fix}	Drive	VPE	Article number	UK stock
MULTI-MONTI-TC-T-	7,5x	100	6,0	40-140	T-30	50	1489053	●
MULTI-MONTI-TC-T-	10,0x	130	8,0	60-200	T-45	25	1489059	●
MULTI-MONTI-TC-T-	12,0x	160	10,0	80-300	T-50	25	1489065	●

Setting tools**MMS-TC-Bit T-30**

Art.-No. 1502353 | Bit

**MMS-TC-Bit T-45**

Art.-No. 1502352 | 1/2"

**MMS-TC-Bit T-50**

Art.-No. 1501630 | 1/2"





Stainless steel screw anchor **MULTI-MONTI®-S**

The MULTI-MONTI®-S fastening system

The MULTI-MONTI®-S is manufactured from A4/A5* stainless steel making it ideal for external applications or where aggressive corrosive environments are present internally.

Where longevity and peace of mind is required in corrosive atmospheres, choose the SFS MULTI-MONTI®-S.

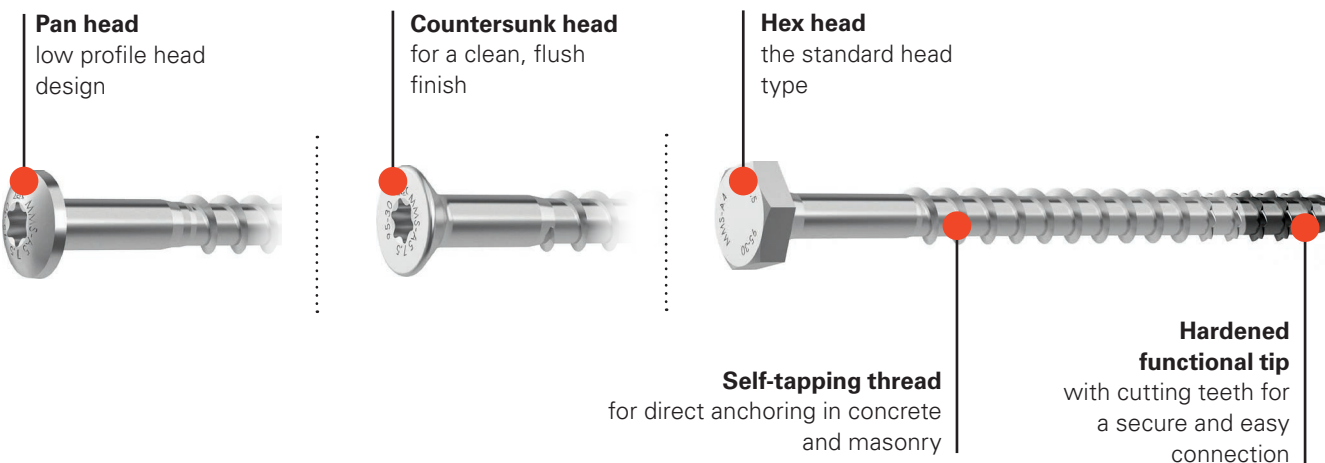
*limited A5 availability

Advantages

- Fast and easy installation
- No spreading pressure, therefore small marginal and axial distances
- ETA approval ETA-05/0011
- Completely demountable
- Can be used for heavy facades
- For maximum loads even in cracked concrete

Simple calculation

The SFS Designer software enables the optimum dimensioning of the anchorages in the concrete the calculation of all fastening fracture types taking into account the valid calculation codes.



Product information



ETA-05/0011



Hex head

Stainless steel A4, 1.4401, with carbon steel phosphated tip



For anchoring in concrete

- SW-13
- SW-16
- SW-18



Countersunk head

Stainless steel A5, 1.4571, with carbon steel phosphated tip



For anchoring in concrete

- T30



Pan head

Stainless steel A5, 1.4571, with carbon steel phosphated tip

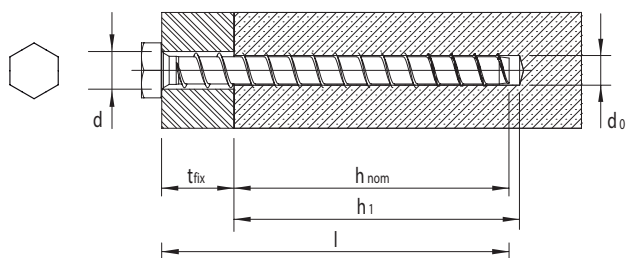


For anchoring in concrete

- T30



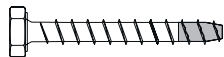
MULTI-MONTI®-S



$$h_{nom} \leq 45 \text{ mm} \rightarrow h_1 = h_{nom} + 5 \text{ mm}$$

$$h_{nom} \geq 50 \text{ mm} \rightarrow h_1 = h_{nom} + 10 \text{ mm}$$

d Diameter* · l Length · d₀ Hole diameter · h₁ Hole depth · h_{nom} Effective screw length · t_{fix} Clamp length · All dimensions in mm



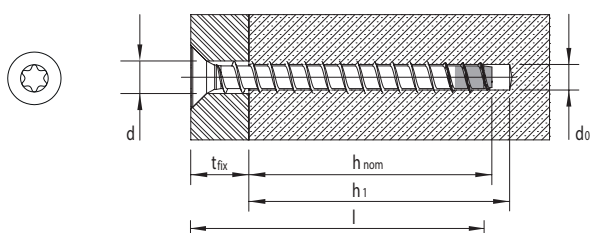
ETA-05/0011

Stainless steel

Stocked Stocked in UK ● Please contact customer service for availability

Product code Type	d*	l	d ₀	t _{fix}	Drive	VPE	Article number	UK stock
MULTI-MONTI-S	7,5x	50	6,0	10	SW-13	50	1564305*	●
MULTI-MONTI-S	7,5x	75	6,0	10	SW-13	50	1479976	Stocked
MULTI-MONTI-S	10,0x	85	8,0	10	SW-16	25	1480024	Stocked
MULTI-MONTI-S	10,0x	95	8,0	20	SW-16	25	1564306	●
MULTI-MONTI-S	12,0x	100	10,0	10	SW-18	25	1480026	Stocked
MULTI-MONTI-S	12,0x	120	10,0	30	SW-18	25	1564307	●

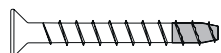
* not tested for fastening under fire conditions



$$h_{nom} \leq 45 \text{ mm} \rightarrow h_1 = h_{nom} + 5 \text{ mm}$$

$$h_{nom} \geq 50 \text{ mm} \rightarrow h_1 = h_{nom} + 10 \text{ mm}$$

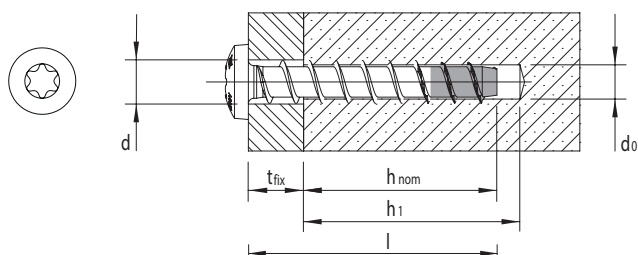
d Diameter* · **l** Length · **d₀** Hole diameter · **h₁** Hole depth · **h_{nom}** Effective screw length · **t_{fix}** Clamp length · **All dimensions in mm**



Stainless steel

Stocked Stocked in UK ● Please contact customer service for availability

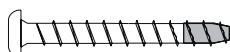
Product code Type	d*	l	d ₀	t _{fix}	Drive	VPE	Article number	Stock
MULTI-MONTI-S-T30	7,5x	75	6,0	10	T30	50	1480027	●
MULTI-MONTI-S-T30	7,5x	85	6,0	20	T30	50	1480028	●
MULTI-MONTI-S-T30	7,5x	95	6,0	30	T30	50	1486553	●
MULTI-MONTI-S-T30	7,5x	115	6,0	50	T30	50	1486583	●



$$h_{nom} \leq 45 \text{ mm} \rightarrow h_1 = h_{nom} + 5 \text{ mm}$$

$$h_{nom} \geq 50 \text{ mm} \rightarrow h_1 = h_{nom} + 10 \text{ mm}$$

d Diameter* · **l** Length · **d₀** Hole diameter · **h₁** Hole depth · **h_{nom}** Effective screw length · **t_{fix}** Clamp length · **All dimensions in mm**



Stainless steel

Stocked Stocked in UK ● Please contact customer service for availability

Product code Type	d*	l	d ₀	t _{fix}	Drive	VPE	Article number	UK stock
MULTI-MONTI-S-D14	7,5x	40	6,0	10	T30	50	1507792	●
MULTI-MONTI-S-D14	7,5x	50	6,0	10	T30	50	1507793	●
MULTI-MONTI-S-D14	7,5x	75	6,0	10	T30	50	1480029	●
MULTI-MONTI-S-D14	7,5x	85	6,0	20	T30	50	1480030	●
MULTI-MONTI-S-D14	7,5x	95	6,0	30	T30	50	1507796	●
MULTI-MONTI-S-D14	7,5x	115	6,0	50	T30	50	1507797	●

A close-up portrait of a middle-aged man with a beard, wearing a white hard hat with the 'SFS' logo and an orange safety vest over a dark blue shirt. He is looking upwards and to the right with a thoughtful expression.

SFS Designer allows the user to specify the base material in the application and the item to be fixed, plus the loads expected to be applied. By selecting the different anchors available, it identifies the best product to choose and even allows selection of alternative fixing configurations to help the user find the most economical solution.

There is complete peace of mind as the software uses the data from the ETA and allows regular updates to ensure you are working with the latest version.

HECO Schrauben GmbH & Co. KG,
Dr. Kurt-Steim-Straße 28,
78713 Schramberg
www.heco-schrauben.de



SFS Intec - Bemessungsservice


Dieser Service erfolgt mit freundlicher Unterstützung durch unsere Ausstattungsanbieter HECO-Schrauben

E-Mail: Anwendungsberatung@heco-schrauben.de
 Service Fax: +49 (0)422 / 889 215

Bemessung MULTIMONT® plus und MULTIMONT®

Bitte führen Sie diesen Vordruck vollständig aus. Unvollständige Angaben/Fehlende Formulare können nicht bearbeitet werden.

Zeichnungen und technische Dokumentationen können im Internet unter www.heco-schrauben.de zum Download.



Bauvorhaben:

PLZ - Ort:

Ansprechpartner:

Ansprechpartner bei SFS Intec:

Name:

E-Mail:

Ort:

Telefon / Fax:

Gemeinde:

Material anzuschaffendes Bauteil: Stahl ☐ Holz ☐

Anrechnung bei angeschlossenem Bauteil (Zu-): ☐

☐ Düringebauholzstahlfestlager

☐ Innenbereich

☐ Außenbereich

Belastungsgruppe

☐ Einseitigbelastung

☐ Zweigseitige

☐ Druckseitige

☐ Seitenseitige

Belastungsgr. (z.B. G235/25)

Stahlschleife ☐

Feuertestnachweisforderung

☐ F30 ☐ F60 ☐ F120

Belastung C1

☐ Beanspruchter Lastanteil < 30%

Bemessungswerte

☐ N_x = Zuglast ☐ $N_{x,0}$ = Querlast in X-Richtung ☐ $N_{y,0}$ = Querlast in Y-Richtung ☐ $N_{x,0} + M$ = Moment um die X-Achse ☐ $N_{y,0} + M$ = Moment um die Y-Achse ☐

Rand- und Achsabstände

☐ a = Achsabstand in X-Richtung ☐ a_{\perp} = Achsabstand in Y-Richtung ☐

☐ b = Randabstand in X-Richtung ☐ b_{\perp} = Randabstand in Y-Richtung ☐

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Die Bemessung wird nach ETAG 001, Annex C, Fassung August 2010 durchgeführt.

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