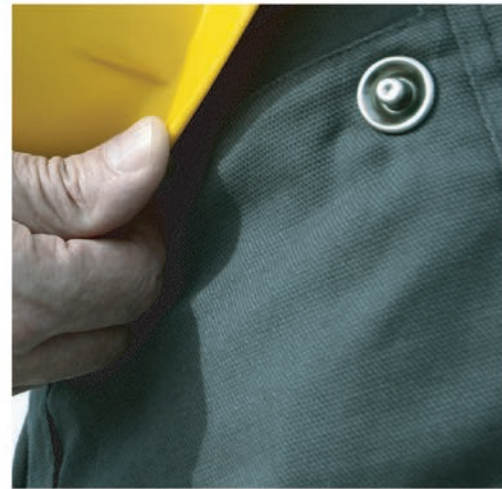


ferrometal



fix master
Concrete fasteners

Ferrometal Oy founded in 1976

Location: Nurmijärvi, Finland.

Active articles 55.000 pcs.

Part of Würth Group since 1989.

Modern logistics to guarantee superior service level.

Quick and prompt deliveries.

In the Baltic region, Ferrometal Oy is known as the industry-leading supplier of fasteners and other small accessories required for the assembly and installation of our customers' end products. Having the widest product range in the field ensures that the products required are quickly found and delivered to the customers' production facilities or work sites in a timely manner.

For our industrial customers, we offer logistics solutions tailored to their needs and utilising the latest technology. We are known for our Rfid-Kanban solutions, as well as for our ability to streamline the customers' small accessories logistics.

With regard to our retailers, in addition to the products, we offer the training and the expert assistance required for serving specialised customers. Our retail solutions specially designed for retailers allow them to save space and to display the products in an excellently visible manner.

In the field of construction, we offer compliant, high-quality products – everything from fasteners used in foundations to roof installation works. In addition to the certificates required and up-to-date expertise, our training courses ensure distribution of the latest expertise in the field, all the way to the installation works.

Our success is based on satisfied customers relying on our industry and product-related skills.

Ferrometal. Fasteners for professionals.



TSM L 6 -concrete screws



TSM L 6 pan head



TSM L 6 large pan head



TSM L 6 M6 Metric connection thread and hexagonal drive



TSM L 6 M8 Hexagonal head with metric connection thread



TSM L 6 IM M8/M10 Countersunk socket head with metric female thread

Material:

- zinc plated steel

Base material:

- approved for concrete strength classes from C 20/25 to C 50/60
- cracked and non-cracked concrete

Product features:

- approved for multiple use
- high load capacity in cracked and non cracked concrete
- small drill holes
- quick and safe installation
- short anchorage depth

Fix master



Art. No.	Type description	Drill hole diameter	Installation depth h_{nom1}	Drill hole depth h_1	Max. attachment thickness t_{fix}
78806 28	TSM L 6 x 28 (100 kpl)	6 mm	25 mm	30 mm	3 mm
78816 28	TSM L 6 x 28 (100 kpl)	6 mm	25 mm	30 mm	3 mm
78816 40	TSM L 6 x 40 (100 kpl)	6 mm	35 mm	40 mm	5 mm
78826 28	TSM L 6 x 28 M6 (100 kpl)	6 mm	25 mm	30 mm	3 mm
78836 28	TSM L 6 x 28 M8 (100 kpl)	6 mm	25 mm	30 mm	3 mm
78846 40	TSM L 6 x 40 IM M8/M10 (100 kpl)	6 mm	40 mm	45 mm	-

Fix Master Toge TSM High Performance concrete screws

fix master



Hexagonal head
with pressed-on washer



Countersunk socket head



Pan head and large
pan head



Metric connection thread
and hexagonal drive



Countersunk socket head with
metric female thread



Hexagonal head with metric
connection thread

Materials:

- zinc plated steel
- zinc flake-coated steel
- A4 stainless steel
- HCR high corrosion-resistant steel

Base material:

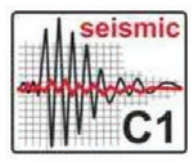
- approved for concrete C 20/25 to C 50/60
- cracked and non-cracked concrete
- suitable for natural stone with a dense microstructure
- prestressed hollow core slabs C 30/37 to C 50/60 (Only screw size 6)

Product features:

- quick and safe installation
- high load capacity in cracked and non-cracked concrete
- load transmission via undercut
- can be easily removed completely
- can be loaded immediately

Applications:

- pipeline fastening
- ceiling suspension fastening
- handrail bracket fastening
- fastening of shelf uprights in high-bay warehouses
- ventilation duct fastening
- wood substructure fastening





Screw anchor with hexagon head Zinc flake coated steel, TSM

- Quick and safe installation
- High load resistance in cracked and non-cracked concrete
- Transfers loads via threading to hole walls
- Can be removed without residue
- Can be instantly loaded

- **Material :** Steel
- **Surface :** Flake zinc

Art. No.	Type description	Drill hole diameter	Nominal diameter	Length	Attachment thickness	Drill hole depth (h 1)	Width across flats	Attachment thickness 2
78205 40	5X40/5/-/ (pack 100 pcs)	5 mm	6 mm	40 mm	5 mm	40 mm	10 mm	
78205 50	5X50/15/-/ (pack 100 pcs)	5 mm	6 mm	50 mm	15 mm	40 mm	10 mm	
78205 60	5X60/25/-/ (pack 100 pcs)	5 mm	6 mm	60 mm	25 mm	40 mm	10 mm	
78206 40	6X40/5/-/ (pack 100 pcs)	6 mm	7.5 mm	40 mm	5 mm	40 mm	13 mm	
78206 50	6X50/15//10/- (pack 100 pcs)	6 mm	7.5 mm	50 mm	15 mm	40 mm	13 mm	
78206 60	6X60/25/20/5 (pack 100 pcs)	6 mm	7.5 mm	60 mm	25 mm	40 mm	13 mm	5 mm
78206 80	6X80/45/40/25 (pack 100 pcs)	6 mm	7.5 mm	80 mm	45 mm	40 mm	13 mm	25 mm
78206 100	6X100/65/60/45 (pack 100 pcs)	6 mm	7.5 mm	100 mm	65 mm	40 mm	13 mm	45 mm
78208 50	8X50/5/-/ (pack 50 pcs)	8 mm	10 mm	50 mm	5 mm	55 mm	13 mm	
78208 60	8X60/15/5/- (pack 50 pcs)	8 mm	10 mm	60 mm	15 mm	55 mm	13 mm	
78208 70	8X70/25/15/5 (pack 50 pcs)	8 mm	10 mm	70 mm	25 mm	55 mm	13 mm	5 mm
78208 80	8X80/35/25/15 (pack 50 pcs)	8 mm	10 mm	80 mm	35 mm	55 mm	13 mm	15 mm
78208 90	8X90/45/35/25 (pack 50 pcs)	8 mm	10 mm	90 mm	45 mm	55 mm	13 mm	25 mm
78208 100	8X100/55/45/35 (pack 50 pcs)	8 mm	10 mm	100 mm	55 mm	55 mm	13 mm	35 mm
78208 120	8X120/75/65/55 (pack 50 pcs)	8 mm	10 mm	120 mm	75 mm	55 mm	13 mm	55 mm
78208 140	8X140/95/85/75 (pack 50 pcs)	8 mm	10 mm	140 mm	95 mm	55 mm	13 mm	75 mm
782010 60	10X60/5/-/ (pack 50 pcs)	10 mm	12 mm	60 mm	5 mm	65 mm	15 mm	
782010 70	10X70/15/-/ (pack 50 pcs)	10 mm	12 mm	70 mm	15 mm	65 mm	15 mm	
782010 80	10X80/25/25/5/- (pack 50 pcs)	10 mm	12 mm	80 mm	25 mm	65 mm	15 mm	
782010 90	10X90/35/15/5 (pack 50 pcs)	10 mm	12 mm	90 mm	35 mm	65 mm	15 mm	5 mm
782010 100	10X100/45/25/15 (pack 50 pcs)	10 mm	12 mm	100 mm	45 mm	65 mm	15 mm	15 mm
782010 120	10X120/65/45/35 (pack 50 pcs)	10 mm	12 mm	120 mm	65 mm	65 mm	15 mm	35 mm
782010 140	10X140/85/65/55 (pack 50 pcs)	10 mm	12 mm	140 mm	85 mm	65 mm	15 mm	55 mm
782010 150	10X150/95/75/65 (pack 50 pcs)	10 mm	12 mm	150 mm	95 mm	65 mm	15 mm	65 mm
782010 160	10X160/105/85/75 (pack 50 pcs)	10 mm	12 mm	160 mm	105 mm	65 mm	15 mm	75 mm
782010 180	10X180/125/105/95 (pack 25 pcs)	10 mm	12 mm	180 mm	125 mm	65 mm	15 mm	95 mm
782010 200	10X200/145/125/115 (pack 25 pcs)	10 mm	12 mm	200 mm	145 mm	65 mm	15 mm	115 mm
782010 240	10X240/185/165/155 (pack 25 pcs)	10 mm	12 mm	240 mm	185 mm	65 mm	15 mm	155 mm
782010 360	10X260/305/285/275 (pack 25 pcs)	10 mm	12 mm	360 mm	305 mm	65 mm	15 mm	275 mm
782010 280	10X280/225/205/195 (pack 25 pcs)	10 mm	12 mm	280 mm	225 mm	65 mm	15 mm	195 mm
782010 320	10X320/265/245/235 (pack 25 pcs)	10 mm	12 mm	320 mm	265 mm	65 mm	15 mm	235 mm
782010 400	10X400/345/325/315 (pack 25 pcs)	10 mm	12 mm	400 mm	345 mm	65 mm	15 mm	315 mm
782012 80	12X80/15/-/ (pack 25 pcs)	12 mm	14 mm	80 mm	15 mm	75 mm	17 mm	
782012 110	12X110/45/25/10 (pack 25 pcs)	12 mm	14 mm	110 mm	45 mm	75 mm	17 mm	10 mm
782012 130	12X130/65/45/30 (pack 25 pcs)	12 mm	14 mm	130 mm	65 mm	75 mm	17 mm	30 mm
782012 150	12X150/85/65/50 (pack 25 pcs)	12 mm	14 mm	150 mm	85 mm	75 mm	17 mm	50 mm
782014 80	14X80/5/-/ (pack 25 pcs)	14 mm	16 mm	80 mm	5 mm	85 mm	21 mm	

Art. No.	Type description	Drill hole diameter	Nominal diameter	Length	Attachment thickness	Drill hole depth (h 1)	Width across flats	Attachment thickness 2
782014 110	14X110/55/30/15 (pack 25 pcs)	14 mm	16 mm	110 mm	35 mm	85 mm	21 mm	
782014 130	14X130/55/30/15 (pack 25 pcs)	14 mm	16 mm	130 mm	55 mm	85 mm	21 mm	15 mm
782014 150	14X150/75/50/35 (pack 25 pcs)	14 mm	16 mm	150 mm	75 mm	85 mm	21 mm	35 mm



Screw anchor with countersunk head Zinc-electroplated steel, TSM-C

- Quick and safe installation
- High load resistance in cracked and non-cracked concrete
- Transfers loads via threading to hole walls
- Can be removed without residue
- Can be instantly loaded

- **Material :** Steel
- **Surface :** Zinc plated

Art. No.	Type description	Product weight (per item)	Drill hole diameter	Nominal diameter	Length	Attachment thickness	Drill hole depth (h 1)	Attachment thickness 2
78215 40	5X40/5/-/- (pack 100 pcs)	6.9 g	5 mm	6 mm	40 mm	5 mm	40 mm	
78215 50	5X50/15/-/- (pack 100 pcs)	7.9 g	5 mm	6 mm	50 mm	15 mm	40 mm	
78215 60	5X60/25/-/- (pack 100 pcs)	9.2 g	5 mm	6 mm	60 mm	25 mm	40 mm	
78216 40	6X40/5/-/- (pack 100 pcs)	9.6 g	6 mm	7.5 mm	40 mm	5 mm	40 mm	
78216 50	6X50/15/10/- (pack 100 pcs)	11 g	6 mm	7.5 mm	50 mm	15 mm	40 mm	
78216 60	6X60/25/20/5 (pack 100 pcs)	13.3 g	6 mm	7.5 mm	60 mm	25 mm	40 mm	5 mm
78216 80	6X80/45/40/25 (pack 100 pcs)	17.5 g	6 mm	7.5 mm	80 mm	45 mm	40 mm	25 mm
78216 100	6X100/65/60/45 (pack 100 pcs)	21.6 g	6 mm	7.5 mm	100 mm	65 mm	40 mm	45 mm
78216 120	6X120/85/80/65 (pack 100 pcs)	26 g	6 mm	7.5 mm	120 mm	85 mm	40 mm	65 mm
78216 140	6X140/105/100/85 (pack 100 pcs)	30 g	6 mm	7.5 mm	140 mm	105 mm	40 mm	85 mm
78218 80	8X80/35/25/15 (pack 50 pcs)	37 g	8 mm	10 mm	80 mm	35 mm	55 mm	15 mm
782110 90	10X90/35/15/5 (pack 50 pcs)	59.7 g	10 mm	12 mm	90 mm	35 mm	65 mm	5 mm



Screw anchors with round pan head Zinc-electroplated, TSM-P

- Quick and safe installation
- High load resistance in cracked and non-cracked concrete
- Transfers loads via threading to hole walls
- Can be removed without residue
- Can be instantly loaded

- **Material :** Steel
- **Internal drive :** TX30
- **Drill hole depth (h 1):** 40 mm
- **Surface :** Zinc plated

Art. No.	Type description	Drill hole diameter	Nominal diameter	Length	Attachment thickness	Attachment thickness 2	Drill hole depth (h 1.2)	Product weight (per item)
78225 40	5X40/5/-/- (pack 100 pcs)	5 mm	6 mm	40 mm	5 mm			8.1 g
78225 50	5X50/15/-/- (pack 100 pcs)	5 mm	6 mm	50 mm	15 mm			9.4 g
78225 60	5X60/25/-/- (pack 100 pcs)	5 mm	6 mm	60 mm	25 mm			10.8 g
78226 40	6X40/5/-/- (pack 100 pcs)	6 mm	7.5 mm	40 mm	5 mm			11 g
78226 50	6X50/15/10/- (pack 100 pcs)	6 mm	7.5 mm	50 mm	15 mm			13.5 g
78226 60	6X60/25/20/5 (pack 100 pcs)	6 mm	7.5 mm	60 mm	25 mm	5 mm	60 mm	15.2 g
78226 80	6X80/45/40/25 (pack 100 pcs)	6 mm	7.5 mm	80 mm	45 mm	25 mm	60 mm	19.6 g
78226 100	6X100/65/60/45 (pack 100 pcs)	6 mm	7.5 mm	100 mm	65 mm	45 mm	60 mm	23 g



Screw anchors with wide round pan head Zinc-electroplated, TSM-LP

- Quick and safe installation
- High load resistance in cracked and non-cracked concrete
- Transfers loads via threading to hole walls
- Can be removed without residue
- Can be instantly loaded

- **Material :** Steel
- **Drill hole diameter :** 6 mm
- **Nominal diameter :** 7.5 mm
- **Internal drive :** TX30
- **Drill hole depth (h 1):** 40 mm
- **Surface :** Zinc plated

Art. No.	Type description	Length	Attachment thickness	Attachment thickness 2	Drill hole depth (h 1.2)	Product weight (per item)
78236 40	6X40/5/-/- (pack 100 pcs)	40 mm	5 mm			12.7 g
78236 60	6X60/25/20/5 (pack 100 pcs)	60 mm	25 mm	5 mm	60 mm	17 g



Screw anchor with a female thread zinc-electroplated, TSM-IM

- Quick and safe installation
- High load resistance in cracked and non-cracked concrete
- Transfers loads via threading to hole walls
- Can be removed without residue
- Can be instantly loaded

- **Material :** Steel
- **Drill hole diameter :** 6 mm
- **Nominal diameter :** 7.5 mm
- **Width across flats :** 13 mm
- **Drill hole depth (h 1):** 40 mm
- **Female thread :** 8 mm
- **Female thread 2 :** 10 mm
- **Surface :** Zinc plated

Art. No.	Type description	Length	Attachment thickness	Product weight (per item)	Attachment thickness 2	Drill hole depth (h 1.2)
78246 35	6X35 M8/M10 internal thread (pack 50 pcs)	35 mm		33.92 g		
78246 55	6X55 M8/M10 internal thread (pack 50 pcs)	55 mm	20 mm	38 g	0.1 mm	60 mm



Screw anchor with male thread Zinc-electroplated steel, TSM

- Quick and safe installation
- High load resistance in cracked and non-cracked concrete
- Transfers loads via threading to hole walls
- Can be removed without residue
- Can be instantly loaded

- **Material :** Steel
- **Surface :** Zinc plated

Art. No.	Type description	Drill hole diameter	Nominal diameter	Length	Width across flats	Attachment thickness	Drill hole depth (h 1)	Attachment thickness 2
78256 35	6X35 M8X16 external thread (pack 100 pcs)	6 mm	7.5 mm	35 mm	10 mm	0.1 mm	40 mm	
78256 55	6X55 M8X16 external thread (pack 100 pcs)	6 mm	7.5 mm	55 mm	10 mm	20 mm	40 mm	0.1 mm
78256 75	6X75 M8X16 external thread (pack 100 pcs)	6 mm	7.5 mm	75 mm	10 mm	40 mm	40 mm	20 mm
78256 95	6X95 M8X16 external thread (pack 100 pcs)	6 mm	7.5 mm	95 mm	10 mm	60 mm	40 mm	40 mm
78268 105	8X105 M10X30 external thread (pack 50 pcs)	8 mm	10 mm	105 mm	7 mm	40 mm	55 mm	20 mm
782610 120	10X120 M12X20 external thread (pack 50 pcs)	10 mm	12 mm	120 mm	10 mm	42 mm	65 mm	12 mm
782612 165	10X165 M12X45 external thread (pack 50 pcs)	10 mm	12 mm	165 mm	10 mm			
782610 165	10x165 M12x45 external thread (pack 50 pcs)	12 mm	14 mm	165 mm	10 mm	87 mm	65 mm	57 mm



Screw anchor with hexagon head Acid-proof steel A4, TSM

- **Material :** Stainless steel A4

- Quick and safe installation
- High load resistance in cracked and non-cracked concrete
- Transfers loads via threading to hole walls
- Can be removed without residue
- Can be instantly loaded

Art. No.	Type description	Drill hole diameter	Nominal diameter	Length	Attachment thickness	Drill hole depth (h 1)	Width across flats	Attachment thickness 2
78406 50	6X50/15/10/- (pack 100 pcs)	6 mm	7.5 mm	50 mm	15 mm	40 mm	13 mm	
78406 60	6X60/25/20/5 (pack 100 pcs)	6 mm	7.5 mm	60 mm	25 mm	40 mm	13 mm	5 mm
78408 70	8X70/25/15/5 (pack 50 pcs)	8 mm	10 mm	70 mm	25 mm	55 mm	13 mm	5 mm
78408 80	8X70/25/15/5 (pack 50 pcs)	8 mm	10 mm	80 mm	35 mm	55 mm	13 mm	15 mm
784010 90	8X80/35/25/15 (pack 50 pcs)	10 mm	12 mm	90 mm	35 mm	65 mm	15 mm	5 mm
784010 100	10X100/45/25/15 (pack 50 pcs)	10 mm	12 mm	100 mm	45 mm	65 mm	15 mm	15 mm
784010 120	10X120/65/45/35 (pack 50 pcs)	10 mm	12 mm	120 mm	65 mm	65 mm	15 mm	35 mm



Screw anchor with countersunk head Acid-proof steel A4, TSM-C

- Quick and safe installation
- High load resistance in cracked and non-cracked concrete
- Transfers loads via threading to hole walls
- Can be removed without residue
- Can be instantly loaded

- **Material :** Stainless steel A4
- **Surface :** Plain

Art. No.	Type description	Product weight (per item)	Drill hole diameter	Nominal diameter	Length	Attachment thickness	Drill hole depth (h 1)	Attachment thickness 2
78416 50	6X50/15/10/- (pack 100 pcs)	12 g	6 mm	7.5 mm	50 mm	15 mm	40 mm	
78416 65	6X65/30/25/10 (pack 100 pcs)	15.3 g	6 mm	7.5 mm	65 mm	30 mm	40 mm	10 mm
78416 85	6X85/50/45/30 (pack 100 pcs)	19.1 g	6 mm	7.5 mm	85 mm	50 mm	40 mm	30 mm
78416 105	6X105/50/45/30 (pack 100 pcs)	15 g	6 mm	7.5 mm	105 mm	70 mm	40 mm	50 mm
78418 80	8X80/35/25/15 (pack 50 pcs)	37.3 g	8 mm	7.5 mm	80 mm	35 mm	55 mm	15 mm
784110 90	10X90/35/15/5	60 g	10 mm	12 mm	90 mm	35 mm	65 mm	5 mm
78410 90	10X90/35/15/5 (pack 50 pcs)	63 g	10 mm	12 mm	90 mm	35 mm	65 mm	5 mm



Screw anchor with round pan head Acid-proof steel A4, TSM-P

- Quick and safe installation
- High load resistance in cracked and non-cracked concrete
- Transfers loads via threading to hole walls
- Can be removed without residue
- Can be instantly loaded

- **Material :** Stainless steel A4
- **Drill hole diameter :** 6 mm
- **Nominal diameter :** 7.5 mm
- **Internal drive :** TX30
- **Drill hole depth (h 1):** 40 mm
- **Surface :** Plain

Art. No.	Type description	Length	Attachment thickness	Attachment thickness 2	Drill hole depth (h 1.2)	Product weight (per item)
78426 50	6X50/15/10/- (pack 100 pcs)	50 mm	15 mm			13.8 g
78426 60	6X60/25/20/5 (pack 100 pcs)	60 mm	25 mm	5 mm	60 mm	15 g
78426 80	6X80/45/40/25 (pack 100 pcs)	80 mm	45 mm	25 mm	60 mm	20 g
78426 100	6X100/65/60/45 (pack 100 pcs)	100 mm	65 mm	45 mm	60 mm	23 g



Screw anchor with male thread Acid-proof steel A4, TSM

- Quick and safe to install
- High load resistance in cracked and non-cracked concrete
- Transfers loads via threading to hole walls
- Can be removed without residue
- Can be instantly loaded

- **Material :** Stainless steel A4
- **Surface :** Plain

Art. No.	Type description	Drill hole diameter	Nominal diameter	Length	Width across flats	Attachment thickness	Drill hole depth (h 1)	Attachment thickness 2
78468 105	8X105 M10X30 external thread (pack 50 pcs)	8 mm	10 mm	105 mm	7 mm	40 mm	55 mm	20 mm
784610 140	10X140 M12X35 external thread (pack 50 pcs)	10 mm	12 mm	140 mm	9 mm	62 mm	65 mm	32 mm
784610 160	10X160 M12X55 external thread (pack 50 pcs)	10 mm	12 mm	160 mm	9 mm	82 mm	65 mm	52 mm
784614 220	14X220 M16X80 external thread (pack 25 pcs)	14 mm	16 mm	220 mm	12 mm	119 mm	85 mm	79 mm

Fix master MKT BZ wedge anchor option 1



Wedge anchor BZ s
Zinc plated
Stainless steel A4



Wedge anchor BZ
Zinc plated



Wedge anchor BZ
Stainless steel A4



For cracked and non-cracked concrete
Concrete hardness : C20/25 - C50/60

Description

Due to its high performance as well as its easy and quick installation, the wedge anchor BZ with European Technical Assessment can be used for a wide variety of applications. The long thread length and two approved anchoring depths allow the BZ wedge anchor greater flexibility of use. The option for reduced anchoring depth saves time during drilling and reduces the installation effort. Using a suction drill also eliminates the need for blowing out the drilled hole.

Advantages :

- Approved for cracked and non-cracked concrete
- Approved for seismic loads categories C1 & C2
- Tested fire resistance up to 120 minutes
- Suitable for natural stone
- Two different embedment depths for flexibility
- Very wide range, sizes up to M27
- Reduced anchoring depth minimizes drilling time
- Use of vacuum drill bits eases installation
- Anchoring with standard anchoring depth for the highest loads
- Anchoring with reduced depth for fast installation
- "Short" anchors are very cost effective
- Only one (reduced) anchoring depth to minimize drilling
- Two different sprinkler approvals (Vds and FM)
- Shock approval

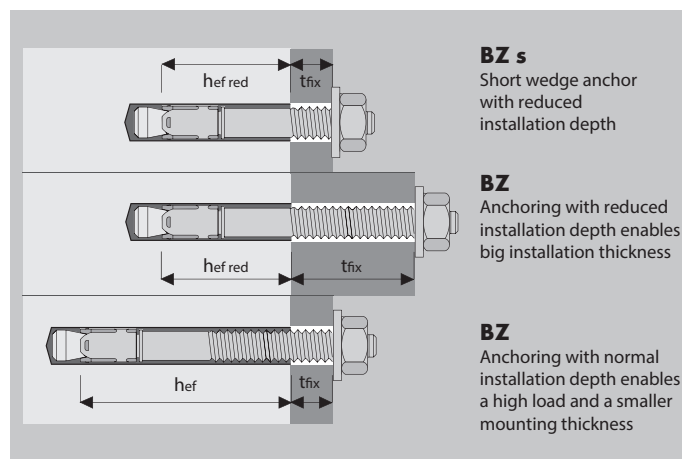
Applications :

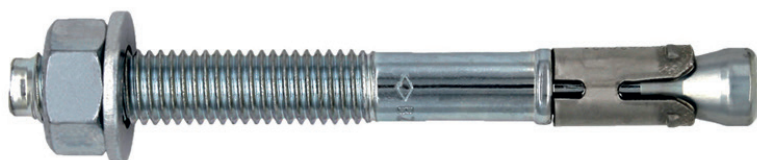
Steel beams, base plates, channels, tracks, wood structures.

Approvals and certificates



Example of installation depths





Wedge anchor Fix master MKT BZ Option 1, zinc-plated

High performance wedge anchor for demanding applications. Made in Germany

- Approved for use in cracked and non-cracked concrete (Option 1)
- Approved for seismic loads, performance categories C1 and C2 (M8 to M20, maximum anchor length 210 mm)
- Approved for use under fire exposure.
- Fire resistance ratings R30–R120
- Suitable for use in compression resistant natural stone (without approval)
- Two effective anchorage depths for greater flexibility (M8 to M16, maximum anchor length 210 mm)
- Anchoring with shorter effective anchorage depth reduces drilling and installation time.

- **Material :** Steel
- **Surface :** Zinc plated

Art. No.	Type description	Length	Drill hole depth (h 1.1)	Attachment thickness	Drill hole depth (h 1.2)	Attachment thickness 2	Drill hole diameter	Product weight (per item)
88818 60	BZ ZN M8X60/6	60 mm			49 mm	6 mm	8 mm	25.26 g
88818 65	BZ ZN M8X65/11	65 mm			49 mm	11 mm	8 mm	27 g
88818 75	BZ ZN M8X75/10-21	75 mm	60 mm	10 mm	49 mm	21 mm	8 mm	29 g
88818 80	BZ ZN M8X80/15-26	80 mm	60 mm	15 mm	49 mm	26 mm	8 mm	31.4 g
88818 95	BZ ZN M8X95/30-41	95 mm	60 mm	30 mm	49 mm	41 mm	8 mm	36 g
88818 115	BZ ZN M8X115/50-61	115 mm	60 mm	50 mm	49 mm	61 mm	8 mm	43.1 g
88818 165	BZ ZN M8X165/100-111	165 mm	60 mm	100 mm	49 mm	111 mm	8 mm	58.8 g
888110 70	BZ ZN M10X70/10	70 mm			55 mm	10 mm	10 mm	49.2 g
888110 80	BZ ZN M10X80/20	80 mm			55 mm	20 mm	10 mm	55 g
888110 90	BZ ZN M10X90/10-30	90 mm	75 mm	10 mm	55 mm	30 mm	10 mm	59.2 g
888110 95	BZ ZN M10X95/15-35	95 mm	75 mm	15 mm	55 mm	35 mm	10 mm	62.02 g
888110 100	BZ ZN M10X100/20-40	100 mm	75 mm	20 mm	55 mm	40 mm	10 mm	64 g
888110 110	BZ ZN M10X110/30-50	110 mm	75 mm	30 mm	55 mm	50 mm	10 mm	69 g
888110 130	BZ ZN M10X130/50-70	130 mm	75 mm	50 mm	55 mm	70 mm	10 mm	78 g
888110 155	BZ ZN M10X155/75-95	155 mm	75 mm	75 mm	55 mm	95 mm	10 mm	92 g
888110 180	BZ ZN M10X180/100-120	180 mm	75 mm	100 mm	55 mm	120 mm	10 mm	103.16 g
888110 230	BZ ZN M10X230/150	230 mm	75 mm	150 mm	55 mm	150 mm	10 mm	139.76 g
888112 85	BZ ZN M12X85/10	85 mm			70 mm	10 mm	12 mm	84.8 g
888112 95	BZ ZN M12X95/20	95 mm			70 mm	20 mm	12 mm	92 g
888112 105	BZ ZN M12X105/10-30	105 mm	90 mm	10 mm	70 mm	30 mm	12 mm	99.6 g
888112 110	BZ ZN M12X110/15-35	110 mm	90 mm	15 mm	70 mm	35 mm	12 mm	103.08 g
888112 115	BZ ZN M12X115/20-40	115 mm	90 mm	20 mm	70 mm	40 mm	12 mm	106 g
888112 125	BZ ZN M12X125/30-50	125 mm	90 mm	30 mm	70 mm	50 mm	12 mm	114.7 g
888112 145	BZ ZN M12X145/50-70	145 mm	90 mm	50 mm	70 mm	70 mm	12 mm	128 g
888112 160	BZ ZN M12X160/65-85	160 mm	90 mm	65 mm	70 mm	85 mm	12 mm	139.5 g
888112 180	BZ ZN M12X180/85-105	180 mm	90 mm	85 mm	70 mm	105 mm	12 mm	153.56 g
888112 200	BZ ZN M12X200/105-125	200 mm	90 mm	105 mm	70 mm	125 mm	12 mm	168.4 g
888112 220	BZ ZN M12X220/125	220 mm			70 mm	125 mm	12 mm	197.32 g
888112 240	BZ ZN M12X240/145	240 mm			70 mm	145 mm	12 mm	217 g
888112 255	BZ ZN M12X255/160	255 mm			70 mm	160 mm	12 mm	229.96 g
888112 285	BZ ZN M12X285/190	285 mm			70 mm	190 mm	12 mm	258.8 g
888116 260	BZ ZN M16-140/260	260 mm			90 mm	140 mm	16 mm	412 g
888116 105	BZ ZN M16X105/5	105 mm			90 mm	5 mm	16 mm	176 g
888116 115	BZ ZN M16X115/15	115 mm			90 mm	15 mm	16 mm	189.5 g
888116 135	BZ ZN M16X135/15-35	135 mm	110 mm	15 mm	90 mm	35 mm	16 mm	215 g

Art. No.	Type description	Length	Drill hole depth (h 1.1)	Attachment thickness	Drill hole depth (h 1.2)	Attachment thickness 2	Drill hole diameter	Product weight (per item)
888116 145	BZ ZN M16X145/25-45	145 mm	110 mm	25 mm	90 mm	45 mm	16 mm	232 g
888116 170	BZ ZN M16X170/50-70	170 mm	110 mm	50 mm	90 mm	70 mm	16 mm	265 g
888116 200	BZ ZN M16X200/80-100	200 mm	110 mm	80 mm	90 mm	100 mm	16 mm	301.81 g
888116 220	BZ ZN M16X220/100	220 mm			90 mm	100 mm	16 mm	350 g
888116 300	BZ ZN M16X300/180	300 mm			90 mm	180 mm	16 mm	473.5 g
888120 165	BZ ZN M20X165/30	165 mm			125 mm	30 mm	20 mm	420 g
888120 195	BZ ZN M20X195/60	195 mm			125 mm	60 mm	20 mm	478.7 g
888120 235	BZ ZN M20X235/100	235 mm			125 mm	100 mm	20 mm	608 g
888120 265	BZ ZN M20X265/130	265 mm			125 mm	130 mm	20 mm	685 g
888120 285	BZ ZN M20X285/150	285 mm			125 mm	150 mm	20 mm	732 g
888124 190	BZ ZN M24X190/30	190 mm			145 mm	30 mm	24 mm	685 g
888124 220	BZ ZN M24X220/60	220 mm			145 mm	60 mm	24 mm	785.82 g
888124 235	BZ ZN M24X235/75	235 mm			145 mm	75 mm	24 mm	830 g
888124 260	BZ ZN M24X260/100	260 mm			145 mm	100 mm	24 mm	904 g
888127 210	BZ ZN M27X210/30	210 mm			160 mm	30 mm	28 mm	999 g
888127 240	BZ ZN M27X240/60	240 mm			160 mm	60 mm	28 mm	1113 g
888127 280	BZ ZN M27X280/100	280 mm			160 mm	100 mm	28 mm	1270 g



Wedge anchor Fix master MKT BZ Option 1, stainless steel A4

High performance wedge anchor for demanding applications. Made in Germany

- Approved for use in cracked and non-cracked concrete (Option 1)
- Approved for seismic loads, performance categories C1 and C2 (M8 to M20, maximum anchor length 210 mm)
- Approved for use under fire exposure.
- Fire resistance ratings R30–R120
- Suitable for use in compression resistant natural stone (without approval)
- Two effective anchorage depths for greater flexibility (M8 to M16, maximum anchor length 210 mm)
- Anchoring with shorter effective anchorage depth reduces drilling and installation time.

• **Material :** Stainless steel A4

Art. No.	Type description	Length	Drill hole depth (h 1.1)	Attachment thickness	Drill hole depth (h 1.2)	Attachment thickness 2	Drill hole diameter	Product weight (per item)
88848 60	BZ A4 M8X60/6	60 mm			49 mm	6 mm	8 mm	26 g
88848 65	BZ A4 M8X65/11	65 mm			49 mm	11 mm	8 mm	27.32 g
88848 75	BZ A4 M8X75/10-21	75 mm	60 mm	10 mm	49 mm	21 mm	8 mm	30.2 g
88848 80	BZ A4 M8X80/15-26	80 mm	60 mm	15 mm	49 mm	26 mm	8 mm	31.4 g
88848 95	BZ A4 M8X95/30-41	95 mm	60 mm	30 mm	49 mm	41 mm	8 mm	36.5 g
88848 115	BZ A4 M8X115/50-61	115 mm	60 mm	50 mm	49 mm	61 mm	8 mm	44 g
88848 165	BZ A4 M8X165/100-111	165 mm	60 mm	100 mm	49 mm	111 mm	8 mm	59.6 g
888410 70	BZ A4 M10X70/10	70 mm			55 mm	10 mm	10 mm	49 g
888410 80	BZ A4 M10X80/20	80 mm			55 mm	20 mm	10 mm	55 g
888410 90	BZ A4 M10X90/10-30	90 mm	75 mm	10 mm	55 mm	30 mm	10 mm	59.3 g
888410 95	BZ A4 M10X95/15-35	95 mm	75 mm	15 mm	55 mm	35 mm	10 mm	62.42 g
888410 100	BZ A4 M10X100/20-40	100 mm	75 mm	20 mm	55 mm	40 mm	10 mm	64 g
888410 110	BZ A4 M10X110/30-50	110 mm	75 mm	30 mm	55 mm	50 mm	10 mm	69.96 g
888410 130	BZ A4 M10X130/50-70	130 mm	75 mm	50 mm	55 mm	70 mm	10 mm	79.5 g
888410 155	BZ A4 M10X155/75-95	155 mm	75 mm	75 mm	55 mm	95 mm	10 mm	94 g
888410 180	BZ A4 M10X180/100-120	180 mm	75 mm	100 mm	55 mm	120 mm	10 mm	105.2 g
888410 230	BZ A4 M10X230/150	230 mm			55 mm	150 mm	10 mm	139.76 g
888412 85	BZ A4 M12X85/10	85 mm			70 mm	10 mm	12 mm	85.8 g
888412 95	BZ A4 M12X95/20	95 mm			70 mm	20 mm	12 mm	93.08 g
888412 105	BZ A4 M12X105/10-30	105 mm	90 mm	10 mm	70 mm	30 mm	12 mm	101 g
888412 110	BZ A4 M12X110/15-35	110 mm	90 mm	15 mm	70 mm	35 mm	12 mm	104.96 g
888412 115	BZ A4 M12X115/20-40	115 mm	90 mm	20 mm	70 mm	40 mm	12 mm	108 g
888412 125	BZ A4 M12X125/30-50	125 mm	90 mm	30 mm	70 mm	50 mm	12 mm	116 g
888412 145	BZ A4 M12X145/50-70	145 mm	90 mm	50 mm	70 mm	70 mm	12 mm	130.7 g
888412 160	BZ A4 M12X160/65-85	160 mm	90 mm	65 mm	70 mm	85 mm	12 mm	141 g
888412 180	BZ A4 M12X180/85-105	180 mm	90 mm	85 mm	70 mm	105 mm	12 mm	153.56 g
888412 200	BZ A4 M12X200/105-125	200 mm	90 mm	105 mm	70 mm	125 mm	12 mm	170 g
888412 220	BZ A4 M12X220/125	220 mm			70 mm	125 mm	12 mm	197.32 g
888412 255	BZ A4 M12X255/160	255 mm			70 mm	160 mm	12 mm	240.4 g
888412 285	BZ A4 M12X285/190	285 mm			70 mm	190 mm	12 mm	258.8 g
888412 325	BZ A4 M12X325/230	325 mm			70 mm	230 mm	12 mm	296.15 g
888416 115	BZ A4 M16X115/15	115 mm			90 mm	15 mm	16 mm	191.15 g
888416 125	BZ A4 M16X125/5-25	125 mm	110 mm	5 mm	90 mm	25 mm	16 mm	204.15 g
888416 135	BZ A4 M16X135/15-35	135 mm	110 mm	15 mm	90 mm	35 mm	16 mm	218 g
888416 145	BZ A4 M16X145/25-45	145 mm	110 mm	25 mm	90 mm	45 mm	16 mm	232 g
888416 170	BZ A4 M16X170/50-70	170 mm	110 mm	50 mm	90 mm	70 mm	16 mm	269 g

Art. No.	Type description	Length	Drill hole depth (h 1.1)	Attachment thickness	Drill hole depth (h 1.2)	Attachment thickness 2	Drill hole diameter	Product weight (per item)
888416 200	BZ A4 M16X200/80-100	200 mm	110 mm	80 mm	90 mm	100 mm	16 mm	308.4 g
888416 220	BZ A4 M16X220/100	220 mm			90 mm	100 mm	16 mm	350 g
888416 280	BZ A4 M16X280/160	280 mm			90 mm	160 mm	16 mm	450 g
888420 165	BZ A4 M20X165/30	165 mm			125 mm	30 mm	20 mm	425 g
888420 195	BZ A4 M20X195/60	195 mm			125 mm	60 mm	20 mm	486.6 g
888420 235	BZ A4 M20X235/100	235 mm			125 mm	100 mm	20 mm	617.8 g
888420 265	BZ A4 M20X265/130	265 mm			125 mm	130 mm	20 mm	696 g
888420 285	BZ A4 M20X285/150	285 mm			125 mm	150 mm	20 mm	746 g
888424 200	BZ A4 M24X200/30	200 mm			155 mm	30 mm	24 mm	715 g
888424 230	BZ A4 M24X230/60	230 mm			155 mm	60 mm	24 mm	814 g
888424 245	BZ A4 M24X245/75	245 mm			155 mm	75 mm	24 mm	840 g

Fix master MKT wedge anchor Option 7



Wedge anchor B s
Zinc plated
Stainless steel A4



Wedge anchor B
Zinc plated



Wedge anchor B
Hot dip galvanised



Wedge anchor B
Stainless steel A4



Non cracked concrete
Concrete hardness : C20/25 - C50/60

Description

The tested wedge anchor B with European Technical Assessment, Option 7, is ideal for time-saving through fastenings in non-cracked concrete. Its two effective anchorage depths make it very flexible, reducing contacts with reinforcements when holes are drilled. The long thread also makes stand-off fastenings possible. The hot dip galvanised version is also included in the European Technical Assessment.

Advantages :

- Approved for use in non-cracked concrete
- Very high load limits and small spacings and edge distances
- Two effective anchorage depths for greater flexibility
- The smaller effective anchorage depth helps to reduce drilling and installation time
- The standard effective anchorage depth is suitable for fastenings under the highest load limits and small spacings and edge distances
- Particularly cost effective : shorter lengths with only one (smaller) anchorage depth
- Suitable for surface, through and stand-off fastenings
- All sizes covered by the European Technical Assessment are assembled with a stainless steel expansion clip
- Fire tested for fire resistance ratings F30-F120
- US approval (FM) for the installation of sprinkler systems
- An impact head protects the thread from damage when it is driven into the drilled hole

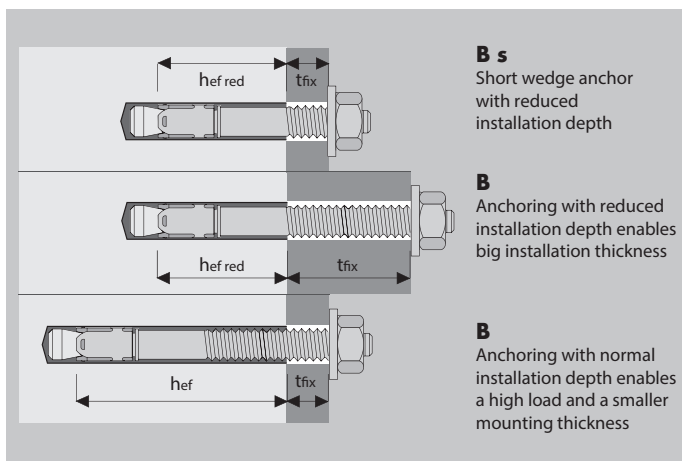
Applications :

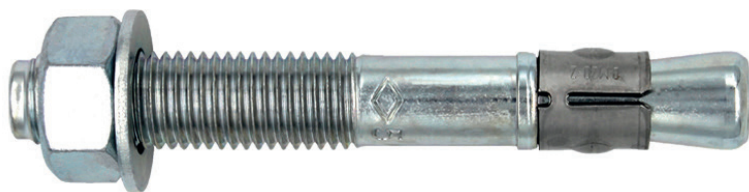
Metal constructions, channels, brackets, supports, hand rails, cable trays, ducts, shelf bases.

Approvals and certificates



Examples of installation depths





Wedge anchor Fix master MKT B Option 7, zinc-plated

High performance wedge anchor for demanding applications. Made in Germany

- Approved for use in non-cracked concrete
- Very high load limits and small spacings and edge distances
- Two effective anchorage depths for greater flexibility
- The smaller effective anchorage depth helps to reduce drilling and installation time
- The standard effective anchorage depth is suitable for fastenings under the highest load limits and small spacings and edge distances
- Particularly cost effective : shorter lengths with only one (smaller) anchorage depth
- Suitable for surface, through and stand-off fastenings
- All sizes covered by the European Technical Assessment are assembled with a stainless steel expansion clip
- Fire tested for fire resistance ratings F30-F120

- **Material :** Steel
- **Surface :** Zinc plated

Art. No.	Type description	Length	Drill hole depth (h 1.1)	Attachment thickness	Drill hole depth (h 1.2)	Attachment thickness 2	Drill hole diameter	Product weight (per item)
88716 40	B ZN M6X40/5	40 mm			45 mm	5 mm	6 mm	10 g
88716 52	B ZN M6X52/5	52 mm			45 mm	5 mm	6 mm	12 g
88716 67	B ZN M6X67/10-20	67 mm	55 mm	10 mm	45 mm	20 mm	6 mm	15.5 g
88716 72	B ZN M6X72/15-25	72 mm	55 mm	15 mm	45 mm	25 mm	6 mm	16 g
88716 82	B ZN M6X82/25-35	82 mm	55 mm	25 mm	45 mm	35 mm	6 mm	18 g
88716 97	B ZN M6X97/40-50	97 mm	55 mm	40 mm	45 mm	50 mm	6 mm	20 g
88718 50	B ZN M8X50/5	50 mm			55 mm	5 mm	8 mm	23 g
88718 60	B ZN M8X60/4	60 mm			55 mm	4 mm	8 mm	26 g
88718 75	B ZN M8X75/10-19	75 mm	65 mm	10 mm	55 mm	19 mm	8 mm	31 g
88718 80	B ZN M8X80/15-24	80 mm	65 mm	15 mm	55 mm	24 mm	8 mm	32 g
88718 85	B ZN M8X85/20-29	85 mm	65 mm	20 mm	55 mm	29 mm	8 mm	34 g
88718 90	B ZN M8X90/25-34	90 mm	65 mm	25 mm	55 mm	34 mm	8 mm	35 g
88718 95	B ZN M8X95/30-39	95 mm	65 mm	30 mm	55 mm	39 mm	8 mm	37 g
88718 100	B ZN M8X100/35-44	100 mm	65 mm	35 mm	55 mm	44 mm	8 mm	38.8 g
88718 110	B ZN M8X110/45-54	110 mm	65 mm	45 mm	55 mm	54 mm	8 mm	42.9 g
88718 120	B ZN M8X120/55-64	120 mm	65 mm	55 mm	55 mm	64 mm	8 mm	92 g
88718 165	B ZN M8X165/100-109	165 mm	65 mm	100 mm	55 mm	109 mm	8 mm	59.8 g
887110 60	B ZN M10X60/10	60 mm			65 mm	10 mm	10 mm	45 g
887110 85	B ZN M10X85/10-16	85 mm	70 mm	10 mm	65 mm	16 mm	10 mm	56.8 g
887110 90	B ZN M10X90/15-21	90 mm	70 mm	15 mm	65 mm	21 mm	10 mm	59 g
887110 95	B ZN M10X95/20-26	95 mm	70 mm	20 mm	65 mm	26 mm	10 mm	61 g
887110 105	B ZN M10X105/30-36	105 mm	70 mm	30 mm	65 mm	36 mm	10 mm	66 g
887110 120	B ZN M10X120/45-51	120 mm	70 mm	45 mm	65 mm	51 mm	10 mm	74 g
887110 125	B ZN M10X125/50-56	125 mm	70 mm	50 mm	65 mm	56 mm	10 mm	76.7 g
887110 145	B ZN M10X145/70-76	145 mm	70 mm	70 mm	65 mm	76 mm	10 mm	88.1 g
887110 175	B ZN M10X175/100-106	175 mm	70 mm	100 mm	65 mm	106 mm	10 mm	102 g
887110 215	B ZN M10X215/140-146	215 mm	70 mm	140 mm	65 mm	146 mm	10 mm	122.4 g
887112 75	B ZN M12X75/5	75 mm			75 mm	5 mm	12 mm	37 g
887112 95	B ZN M12X95/13	95 mm			75 mm	13 mm	12 mm	92 g
887112 105	B ZN M12X105/10-25	105 mm	90 mm	10 mm	75 mm	25 mm	12 mm	100.3 g
887112 110	B ZN M12X110/15-30	110 mm	90 mm	15 mm	75 mm	30 mm	12 mm	104 g
887112 115	B ZN M12X115/20-35	115 mm	90 mm	20 mm	75 mm	35 mm	12 mm	106 g

Art. No.	Type description	Length	Drill hole depth (h 1.1)	Attachment thickness	Drill hole depth (h 1.2)	Attachment thickness 2	Drill hole diameter	Product weight (per item)
887112 125	B ZN M12X125/30-45	125 mm	90 mm	30 mm	75 mm	45 mm	12 mm	114.5 g
887112 145	B ZN M12X145/50-65	145 mm	90 mm	50 mm	75 mm	65 mm	12 mm	129.8 g
887112 160	B ZN M12X160/65-80	160 mm	90 mm	65 mm	75 mm	80 mm	12 mm	140.4 g
887112 180	B ZN M12X180/85-100	180 mm	90 mm	85 mm	75 mm	100 mm	12 mm	154.9 g
887112 200	B ZN M12X200/105-120	200 mm	90 mm	105 mm	75 mm	120 mm	12 mm	168 g
887112 220	B ZN M12X220/125-140	220 mm	90 mm	125 mm	75 mm	140 mm	12 mm	201.1 g
887112 240	B ZN M12X240/145-160	240 mm	90 mm	145 mm	75 mm	160 mm	12 mm	219.5 g
887112 255	B ZN M12X255/160-175	255 mm	90 mm	160 mm	75 mm	175 mm	12 mm	236 g
887112 285	B ZN M12X285/190-205	285 mm	90 mm	190 mm	75 mm	205 mm	12 mm	260.32 g
887112 325	B ZN M12X325/230-245	325 mm	90 mm	230 mm	75 mm	245 mm	12 mm	294.9 g
887112 355	B ZN M12X355/260-275	355 mm	90 mm	260 mm	75 mm	275 mm	12 mm	326.5 g
887116 115	B ZN M16X115/13	115 mm			95 mm	13 mm	16 mm	199 g
887116 130	B ZN M16X130/10-28	130 mm	110 mm	10 mm	95 mm	28 mm	16 mm	43 g
887116 150	B ZN M16X150/30-48	150 mm	110 mm	30 mm	95 mm	48 mm	16 mm	242.8 g
887116 180	B ZN M16X180/60-78	180 mm	110 mm	60 mm	95 mm	78 mm	16 mm	285.9 g
887116 200	B ZN M16X200/80-98	200 mm	110 mm	80 mm	95 mm	98 mm	16 mm	310.7 g
887116 220	B ZN M16X220/100-118	220 mm	110 mm	100 mm	95 mm	118 mm	16 mm	362.6 g
887116 250	B ZN M16X250/130-148	150 mm	110 mm	130 mm	95 mm	148 mm	16 mm	411 g
887116 285	B ZN M16X285/165-183	285 mm	110 mm	165 mm	95 mm	183 mm	16 mm	468.3 g
887116 320	B ZN M16X320/200-218	320 mm	110 mm	200 mm	95 mm	218 mm	16 mm	523 g
887116 90	B ZN M16-X90/5	90 mm			95 mm	5 mm	16 mm	164.4 g
887120 120	B ZN M20X120/10	120 mm			110 mm	10 mm	20 mm	63 g
887120 150	B ZN M20X150/5-27	150 mm	130 mm	5 mm	110 mm	27 mm	20 mm	378 g
887120 165	B ZN M20X165/20-42	165 mm	130 mm	20 mm	110 mm	42 mm	20 mm	412 g
887120 180	B ZN M20X180/35-57	180 mm	130 mm	35 mm	110 mm	57 mm	20 mm	441.4 g
887120 205	B ZN M20X205/60-82	205 mm	130 mm	60 mm	110 mm	82 mm	20 mm	494 g
887120 240	B ZN M20X240/95-117	240 mm	130 mm	95 mm	110 mm	117 mm	20 mm	610 g



Wedge anchor Fix master MKT B Option 7, hot dip galvanized

High performance wedge anchor for demanding applications. Made in Germany

- Approved for use in non-cracked concrete
 - Very high load limits and small spacings and edge distances
 - Two effective anchorage depths for greater flexibility
 - The smaller effective anchorage depth helps to reduce drilling and installation time
 - The standard effective anchorage depth is suitable for fastenings under the highest load limits and small spacings and edge distances
 - Particularly cost effective : shorter lengths with only one (smaller) anchorage depth
 - Suitable for surface, through and stand-off fastenings
 - All sizes covered by the European Technical Assessment are assembled with a stainless steel expansion clip
 - Fire tested for fire resistance ratings F30-F120
- **Material :** Steel
 - **Surface :** Hot dip galvanized

Art. No.	Type description	Length	Drill hole depth (h 1.1)	Attachment thickness	Drill hole depth (h 1.2)	Attachment thickness 2	Drill hole diameter	Product weight (per item)
88736 40	B HDG M6X40/5	40 mm			45 mm	5 mm	6 mm	10 g
88736 67	B HDG M6X67/10-20	67 mm	55 mm	10 mm	45 mm	20 mm	6 mm	15 g
88736 82	B HDG M6X82/25-35	82 mm	55 mm	25 mm	45 mm	35 mm	6 mm	18.95 g
88736 97	B HDG M6X97/40-50	97 mm	55 mm	40 mm	45 mm	50 mm	6 mm	20 g
88738 50	B HDG M8X50/5	50 mm			55 mm	5 mm	8 mm	23.7 g
88738 60	B HDG M8X60/4	60 mm			55 mm	4 mm	8 mm	27.6 g
88738 75	B HDG M8X75/10-19	75 mm	65 mm	10 mm	55 mm	19 mm	8 mm	31 g
88738 80	B HDG M8X80/15-24	80 mm	65 mm	15 mm	55 mm	24 mm	8 mm	33 g
88738 85	B HDG M8X85/20-29	85 mm	65 mm	20 mm	55 mm	29 mm	8 mm	34 g
88738 95	B HDG M8X95/30-39	95 mm	65 mm	30 mm	55 mm	39 mm	8 mm	38 g
88738 110	B HDG M8X110/45-54	110 mm	65 mm	45 mm	55 mm	54 mm	8 mm	43.9 g
88738 120	B HDG M8X120/55-64	120 mm	65 mm	55 mm	55 mm	64 mm	8 mm	46.7 g
887310 60	B HDG M10X60/10	60 mm			65 mm	10 mm	10 mm	46 g
887310 85	B HDG M10X85/10-16	85 mm	70 mm	10 mm	65 mm	16 mm	10 mm	57.6 g
887310 90	B HDG M10X90/15-21	90 mm	70 mm	15 mm	65 mm	21 mm	10 mm	60 g
887310 95	B HDG M10X95/20-26	95 mm	70 mm	20 mm	65 mm	26 mm	10 mm	62.8 g
887310 105	B HDG M10X105/30-36	105 mm	70 mm	30 mm	65 mm	36 mm	10 mm	68 g
887310 120	B HDG M10X120/45-51	120 mm	70 mm	45 mm	65 mm	51 mm	10 mm	75 g
887310 125	B HDG M10X125/50-56	125 mm	70 mm	50 mm	65 mm	56 mm	10 mm	77.9 g
887310 145	B HDG M10X145/70-76	145 mm	70 mm	70 mm	65 mm	76 mm	10 mm	90.3 g
887310 175	B HDG M10X175/100-106	175 mm	70 mm	100 mm	65 mm	100 mm	10 mm	103.26 g
887310 215	B HDG M10X215/140-146	215 mm	70 mm	140 mm	65 mm	146 mm	10 mm	124.1 g
887312 75	B HDG M12X75/5	75 mm			75 mm	5 mm	12 mm	79.6 g
887312 95	B HDG M12X95/13	95 mm			75 mm	13 mm	12 mm	94.7 g
887312 110	B HDG M12X110/15-30	110 mm	90 mm	15 mm	75 mm	30 mm	12 mm	106 g
887312 115	B HDG M12X115/20-35	115 mm	90 mm	20 mm	75 mm	35 mm	12 mm	109.7 g
887312 125	B HDG M12X125/30-45	125 mm	90 mm	30 mm	75 mm	45 mm	12 mm	118.4 g
887312 145	B HDG M12X145/50-65	145 mm	90 mm	50 mm	75 mm	65 mm	12 mm	133 g
887312 160	B HDG M12X160/65-80	160 mm	90 mm	65 mm	75 mm	80 mm	12 mm	144.2 g
887312 180	B HDG M12X180/85-100	180 mm	90 mm	85 mm	75 mm	100 mm	12 mm	158.9 g
887312 200	B HDG M12X200/105-120	200 mm	90 mm	105 mm	75 mm	120 mm	12 mm	171.28 g
887316 115	B HDG M16X115/13	115 mm			95 mm	13 mm	16 mm	202 g
887316 130	B HDG M16X130/10-28	130 mm	110 mm	10 mm	95 mm	28 mm	16 mm	224 g

Art. No.	Type description	Length	Drill hole depth (h 1.1)	Attachment thickness	Drill hole depth (h 1.2)	Attachment thickness 2	Drill hole diameter	Product weight (per item)
887316 150	B HDG M16X150/30-48	150 mm	110 mm	30 mm	95 mm	48 mm	16 mm	251 g
887320 150	B HDG M20X150/5-27	150 mm	130 mm	5 mm	110 mm	27 mm	20 mm	384 g
887320 180	B HDG M20X180/35-57	180 mm	130 mm	35 mm	110 mm	57 mm	20 mm	447.3 g
887320 205	B HDG M20X205/60-82	205 mm	130 mm	60 mm	110 mm	82 mm	20 mm	502 g
887320 240	B HDG M20X240/95-117	240 mm	130 mm	95 mm	110 mm	117 mm	20 mm	609 g



Wedge anchor Fix master MKT B Option 7, stainless steel A4

High performance wedge anchor for demanding applications. Made in Germany

• **Material :** Stainless steel A4

- Approved for use in non-cracked concrete
- Very high load limits and small spacings and edge distances
- Two effective anchorage depths for greater flexibility
- The smaller effective anchorage depth helps to reduce drilling and installation time
- The standard effective anchorage depth is suitable for fastenings under the highest load limits and small spacings and edge distances
- Particularly cost effective : shorter lengths with only one (smaller) anchorage depth
- Suitable for surface, through and stand-off fastenings
- All sizes covered by the European Technical Assessment are assembled with a stainless steel expansion clip
- Fire tested for fire resistance ratings F30-F120

Art. No.	Type description	Length	Drill hole depth (h 1.1)	Attachment thickness	Drill hole depth (h 1.2)	Attachment thickness 2	Drill hole diameter	Product weight (per item)
887410 175	B A4 M1X175/-100-106	175 mm	70 mm	100 mm	65 mm	106 mm	10 mm	102.96 g
88746 40	B A4 M6X40/5	40 mm			45 mm	5 mm	6 mm	10.5 g
88746 52	B A4 M6X52/5	52 mm			45 mm	5 mm	6 mm	12.5 g
88746 67	B A4 M6X67/10-20	67 mm	55 mm	10 mm	45 mm	20 mm	6 mm	15 g
88746 82	B A4 M6X82/25-35	82 mm	55 mm	25 mm	45 mm	35 mm	6 mm	18 g
88746 97	B A4 M6X97/40-50	97 mm	55 mm	40 mm	45 mm	50 mm	6 mm	20.8 g
88748 50	B A4 M8X50/5	50 mm			55 mm	5 mm	8 mm	23.4 g
88748 60	B A4 M8X60/4	60 mm			55 mm	4 mm	8 mm	26 g
88748 75	B A4 M8X75/10-19	75 mm	65 mm	10 mm	55 mm	19 mm	8 mm	31.6 g
88748 80	B A4 M8X80/15-24	80 mm	65 mm	15 mm	55 mm	24 mm	8 mm	32 g
88748 85	B A4 M8X85/20-29	85 mm	65 mm	20 mm	55 mm	29 mm	8 mm	34 g
88748 95	B A4 M8X95/30-39	95 mm	65 mm	30 mm	55 mm	39 mm	8 mm	38 g
88748 110	B A4 M8X110/45-54	110 mm	65 mm	45 mm	55 mm	54 mm	8 mm	43 g
88748 120	B A4 M8X120/55-64	120 mm	65 mm	55 mm	55 mm	64 mm	8 mm	45.72 g
887410 60	B A4 M10X60/10	60 mm			65 mm	10 mm	10 mm	45.6 g
887410 85	B A4 M10X85/10-16	85 mm	70 mm	10 mm	65 mm	16 mm	10 mm	56.3 g
887410 90	B A4 M10X90/15-21	90 mm	70 mm	15 mm	65 mm	21 mm	10 mm	60 g
887410 95	B A4 M10X95/20-26	95 mm	70 mm	20 mm	65 mm	26 mm	10 mm	62 g
887410 105	B A4 M10X105/30-36	105 mm	70 mm	30 mm	65 mm	36 mm	10 mm	66 g
887410 120	B A4 M10X120/45-51	120 mm	70 mm	41 mm	65 mm	51 mm	10 mm	75 g
887410 125	B A4 M10X125/50-56	125 mm	70 mm	50 mm	65 mm	56 mm	10 mm	77 g
887410 145	B A4 M10X145/70-76	145 mm	70 mm	70 mm	65 mm	76 mm	10 mm	87.6 g
887410 225	B A4 M10X215/140-146	215 mm	70 mm	140 mm	65 mm	146 mm	10 mm	123.8 g
887412 75	B A4 M12X75/5	75 mm			75 mm	5 mm	12 mm	78.2 g
887412 95	B A4 M12X95/14	95 mm			75 mm	14 mm	12 mm	93 g
887412 105	B A4 M12X105/10-25	105 mm	90 mm	10 mm	75 mm	25 mm	12 mm	100.1 g
887412 110	B A4 M12X110/15-30	110 mm	90 mm	15 mm	75 mm	30 mm	12 mm	104 g
887412 115	B A4 M12X115/20-35	115 mm	90 mm	20 mm	75 mm	35 mm	12 mm	107 g
887412 125	B A4 M12X125/30-45	125 mm	90 mm	30 mm	75 mm	45 mm	12 mm	115 g
887412 145	B A4 M12X145/50-65	145 mm	90 mm	50 mm	75 mm	65 mm	12 mm	130 g
887412 160	B A4 M12X160/65-80	160 mm	90 mm	65 mm	75 mm	80 mm	12 mm	142 g
887412 180	B A4 M12X180/85-100	180 mm	90 mm	85 mm	75 mm	100 mm	12 mm	156 g
887412 200	B A4 M12X200/105-120	200 mm	90 mm	105 mm	75 mm	120 mm	12 mm	171.2 g

Art. No.	Type description	Length	Drill hole depth (h 1.1)	Attachment thickness	Drill hole depth (h 1.2)	Attachment thickness 2	Drill hole diameter	Product weight (per item)
887412 240	B A4 M12X240/145-160	240 mm	90 mm	145 mm	75 mm	160 mm	12 mm	219.25 g
887416 90	B A4 M16X90/5	90 mm			95 mm	5 mm	16 mm	169 g
887416 115	B A4 M16X115/14	115 mm			95 mm	14 mm	16 mm	197 g
887416 130	B A4 M16X130/10-26	130 mm	110 mm	10 mm	95 mm	26 mm	16 mm	215 g
887416 150	B A4 M16X150/30-46	150 mm	110 mm	30 mm	95 mm	46 mm	16 mm	246 g
887416 180	B A4 M16X180/60-76	180 mm	110 mm	60 mm	95 mm	76 mm	16 mm	286 g
887416 200	B A4 M16X200/80-96	200 mm	110 mm	80 mm	95 mm	96 mm	16 mm	326.4 g
887416 220	B A4 M16X220/100-116	220 mm	110 mm	100 mm	95 mm	116 mm	16 mm	358.9 g
887416 250	B A4 M16X250/130-146	250 mm	110 mm	130 mm	95 mm	146 mm	16 mm	399.9 g
887416 320	B A4 M16X320/200-216	320 mm	110 mm	200 mm	95 mm	216 mm	16 mm	515.9 g
887420 150	B A4 M20X150/5-27	150 mm	130 mm	5 mm	110 mm	27 mm	20 mm	386.1 g
887420 180	B A4 M20X180/35-57	180 mm	130 mm	35 mm	110 mm	57 mm	20 mm	447.2 g
887420 205	B A4 M20X205/60-82	205 mm	130 mm	60 mm	110 mm	82 mm	20 mm	502.7 g
887420 240	B A4 M20X240/95-117	240 mm	130 mm	95 mm	110 mm	117 mm	20 mm	614.2 g

Fix master Fmx drill bits for concrete and natural stone

New generation drill bits for professional use

fmx



FMX-4 SDS+ 4-cut drill bit



FMX-4 SDS MAX 4-cut drill bit

Fmx-4

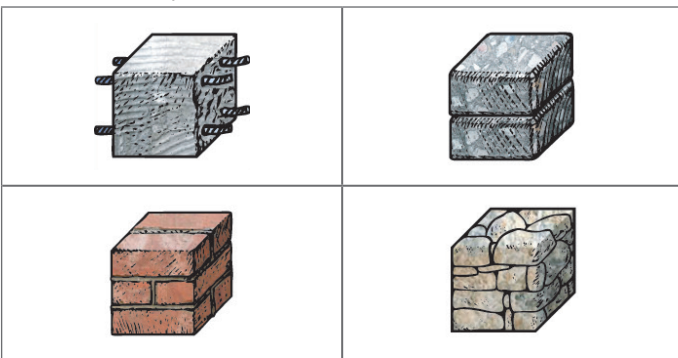
- Vibration reduction for more comfortable drilling
- Four cutting tips for efficient drilling in reinforced concrete
- Suitable for SDS plus and SDS MAX drill hammers
- Developed for demanding professional use



FMX-2 SDS+ 2-cut drill bit

Fmx-2 SDS+

- Suitable for SDS plus drill hammers
- Two cutting tips for rapid drilling in unreinforced concrete
- Economical option



FMX-I SDS+ vacuum drill bit



FMX-I SDS MAX vacuum drill bit

Fmx-I vacuum drill bits

- Dust removal during drilling, with suction connection in drill bit
- Airflow cools the blade and reduces friction
- For renovation sites that require effective dust management
- Removes up to 98 % of drilling dust
- Suitable for SDS plus and SDS MAX drill hammers





Fix master

Drill bit Fmx-2 SDS+ 2-cut

New generation drill bits for professional use

- PMG -quality marked drill bits, manufactured in controlled and certified production facilities.
- Quality marking guarantees optimal drill hole dimensions for safe and secure installation of the anchors.
- Use with drill hammers fitted with SDS+ -socket.
- 2 cutting surfaces, quick drilling with non-steel-reinforced concrete.
- Economical option

- **Tool holding machine :** Suitable for SDS-plus

Art. No.	Type description	Nominal diameter	Length	Effective length
662248 110		4.8 mm	110 mm	50 mm
662235 100	FMX2 SDS+ 2-CUT 3,5x35x100 mm	3.5 mm	100 mm	35 mm
66224 110	FMX2 SDS+ 2-CUT 4x50x110 mm	4 mm	110 mm	50 mm
66224 160	FMX2 SDS+ 2-CUT 4x100x160 mm	4 mm	160 mm	100 mm
662255 110	FMX2 SDS+ 2-CUT 5,5x50x110 mm	5.5 mm	110 mm	50 mm
662255 160	FMX2 SDS+ 2-CUT 5,5x100x160 mm	5.5 mm	160 mm	100 mm
662255 260	FMX2 SDS+ 2-CUT 5,5x200x260 mm	5.5 mm	260 mm	200 mm
66225 110	FMX2 SDS+ 2-CUT 5x50x110 mm	5 mm	110 mm	50 mm
66225 160	FMX2 SDS+ 2-CUT 5x100x160 mm	5 mm	160 mm	100 mm
66225 210	FMX2 SDS+ 2-CUT 5x150x210 mm	5 mm	210 mm	150 mm
66225 260	FMX2 SDS+ 2-CUT 5x200x260 mm	5 mm	260 mm	200 mm
66225 310	FMX2 SDS+ 2-CUT 5x260x310 mm	5 mm	310 mm	260 mm
66225 410	FMX2 SDS+ 2-CUT 5x350x410 mm	5 mm	410 mm	350 mm
662265 110	FMX2 SDS+ 2-CUT 6,5x50x110 mm	6.5 mm	110 mm	50 mm
662265 160	FMX2 SDS+ 2-CUT 6,5x100x160 mm	6.5 mm	160 mm	100 mm
662265 210	FMX2 SDS+ 2-CUT 6,5x150x210 mm	6.5 mm	210 mm	150 mm
662265 260	FMX2 SDS+ 2-CUT 6,5x200x260 mm	6.5 mm	260 mm	200 mm
66226 110	FMX2 SDS+ 2-CUT 6x50x110 mm	6 mm	110 mm	50 mm
66226 135	FMX2 SDS+ 2-CUT 6x70x135 mm	6 mm	135 mm	70 mm
66226 160	FMX2 SDS+ 2-CUT 6x100x160 mm	6 mm	160 mm	100 mm
66226 210	FMX2 SDS+ 2-CUT 6x150x210 mm	6 mm	210 mm	150 mm
66226 260	FMX2 SDS+ 2-CUT 6x200x260 mm	6 mm	260 mm	200 mm
66226 360	FMX2 SDS+ 2-CUT 6x300x360 mm	6 mm	360 mm	300 mm
66226 460	FMX2 SDS+ 2-CUT 6x400x460 mm	6 mm	460 mm	400 mm
66227 110	FMX2 SDS+ 2-CUT 7x50x110 mm	7 mm	110 mm	50 mm
66227 160	FMX2 SDS+ 2-CUT 7x100x160 mm	7 mm	160 mm	100 mm
66228 110	FMX2 SDS+ 2-CUT 8x50x110 mm	8 mm	110 mm	50 mm
66228 160	FMX2 SDS+ 2-CUT 8x100x160 mm	8 mm	160 mm	100 mm
66228 260	FMX2 SDS+ 2-CUT 8x200x260 mm	8 mm	260 mm	200 mm
66228 210	FMX2 SDS+ 2-CUT 8x250x310 mm	8 mm	310 mm	250 mm
66228 460	FMX2 SDS+ 2-CUT 8x400x460 mm	8 mm	460 mm	400 mm
66228 600	FMX2 SDS+ 2-CUT 8x550x600 mm	8 mm	600 mm	550 mm
66229 160	FMX2 SDS+ 2-CUT 9x100x160 mm	9 mm	160 mm	100 mm
66229 260	FMX2 SDS+ 2-CUT 9x200x260 mm	9 mm	260 mm	200 mm
662210 110	FMX2 SDS+ 2-CUT 10x50x110 mm	10 mm	110 mm	50 mm
662210 160	FMX2 SDS+ 2-CUT 10x100x160 mm	10 mm	160 mm	100 mm
662210 210	FMX2 SDS+ 2-CUT 10x150x210 mm	10 mm	210 mm	150 mm
662210 260	FMX2 SDS+ 2-CUT 10x200x260 mm	10 mm	260 mm	200 mm
662210 310	FMX2 SDS+ 2-CUT 10x250x310 mm	10 mm	310 mm	250 mm
662210 360	FMX2 SDS+ 2-CUT 10x300x360 mm	10 mm	360 mm	300 mm
662210 410	FMX2 SDS+ 2-CUT 10x350x410 mm	10 mm	410 mm	350 mm
662210 460	FMX2 SDS+ 2-CUT 10x400x460 mm	10 mm	460 mm	400 mm
662210 600	FMX2 SDS+ 2-CUT 10x550x600 mm	10 mm	600 mm	550 mm

Art. No.	Type description	Nominal diameter	Length	Effective length
6622101000	FMX2 SDS+ 2-CUT 10x950x1000 mm	10 mm	1000 mm	950 mm
662211 160	FMX2 SDS+ 2-CUT 11x100x160 mm	11 mm	160 mm	100 mm
662211 260	FMX2 SDS+ 2-CUT 11x200x260 mm	11 mm	260 mm	200 mm
662212 160	FMX2 SDS+ 2-CUT 12x100x160 mm	12 mm	160 mm	100 mm
662212 210	FMX2 SDS+ 2-CUT 12x150x210 mm	12 mm	210 mm	150 mm
662212 260	FMX2 SDS+ 2-CUT 12x200x260 mm	12 mm	260 mm	200 mm
662212 310	FMX2 SDS+ 2-CUT 12x250x310 mm	12 mm	310 mm	250 mm
662212 400	FMX2 SDS+ 2-CUT 12x350x400 mm	12 mm	400 mm	350 mm
662212 450	FMX2 SDS+ 2-CUT 12x400x450 mm	12 mm	450 mm	400 mm
662212 600	FMX2 SDS+ 2-CUT 12x550x600 mm	12 mm	600 mm	550 mm
6622121000	FMX2 SDS+ 2-CUT 12x950x1000 mm	12 mm	1000 mm	950 mm
662213 160	FMX2 SDS+ 2-CUT 13x100x160 mm	13 mm	160 mm	100 mm
662213 260	FMX2 SDS+ 2-CUT 13x200x260 mm	13 mm	260 mm	200 mm
662214 160	FMX2 SDS+ 2-CUT 14x100x160 mm	14 mm	160 mm	100 mm
662214 210	FMX2 SDS+ 2-CUT 14x150x210 mm	14 mm	210 mm	150 mm
662214 260	FMX2 SDS+ 2-CUT 14x200x260 mm	14 mm	260 mm	200 mm
662214 310	FMX2 SDS+ 2-CUT 14x250x310 mm	14 mm	310 mm	250 mm
662214 450	FMX2 SDS+ 2-CUT 14x400x450 mm	14 mm	450 mm	400 mm
662214 600	FMX2 SDS+ 2-CUT 14x550x600 mm	14 mm	600 mm	550 mm
6622141000	FMX2 SDS+ 2-CUT 14x950x1000 mm	14 mm	1000 mm	950 mm
662215 160	FMX2 SDS+ 2-CUT 15x100x160 mm	15 mm	160 mm	100 mm
662215 210	FMX2 SDS+ 2-CUT 15x150x210 mm	15 mm	210 mm	150 mm
662215 260	FMX2 SDS+ 2-CUT 15x200x260 mm	15 mm	260 mm	200 mm
662215 450	FMX2 SDS+ 2-CUT 15x400x450 mm	15 mm	450 mm	400 mm
662216 160	FMX2 SDS+ 2-CUT 16x100x160 mm	16 mm	160 mm	100 mm
662216 210	FMX2 SDS+ 2-CUT 16x150x210 mm	16 mm	210 mm	150 mm
662216 260	FMX2 SDS+ 2-CUT 16x200x260 mm	16 mm	260 mm	200 mm
662216 310	FMX2 SDS+ 2-CUT 16x250x310 mm	16 mm	310 mm	250 mm
662216 400	FMX2 SDS+ 2-CUT 16x350x400 mm	16 mm	400 mm	350 mm
662216 450	FMX2 SDS+ 2-CUT 16x400x450 mm	16 mm	450 mm	400 mm
662216 600	FMX2 SDS+ 2-CUT 16x550x600 mm	16 mm	600 mm	550 mm
662216 800	FMX2 SDS+ 2-CUT 16x750x800 mm	16 mm	800 mm	750 mm
6622161000	FMX2 SDS+ 2-CUT 16x950x1000 mm	16 mm	1000 mm	950 mm
662217 210	FMX2 SDS+ 2-CUT 17x150x210 mm	17 mm	210 mm	150 mm
662218 200	FMX2 SDS+ 2-CUT 18x150x200 mm	18 mm	200 mm	150 mm
662218 300	FMX2 SDS+ 2-CUT 18x250x300 mm	18 mm	300 mm	250 mm
662218 450	FMX2 SDS+ 2-CUT 18x400x450 mm	18 mm	450 mm	400 mm
662218 600	FMX2 SDS+ 2-CUT 18x550x600 mm	18 mm	600 mm	550 mm
6622181000	FMX2 SDS+ 2-CUT 18x950x1000 mm	18 mm	1000 mm	950 mm
662219 250	FMX2 SDS+ 2-CUT 19x200x250 mm	19 mm	250 mm	200 mm
662219 450	FMX2 SDS+ 2-CUT 19x400x450 mm	19 mm	450 mm	400 mm
662220 200	FMX2 SDS+ 2-CUT 20x150x200 mm	20 mm	200 mm	150 mm
662220 300	FMX2 SDS+ 2-CUT 20x250x300 mm	20 mm	300 mm	250 mm
662220 450	FMX2 SDS+ 2-CUT 20x400x450 mm	20 mm	450 mm	400 mm
662220 600	FMX2 SDS+ 2-CUT 20x550x600 mm	20 mm	600 mm	550 mm
6622201000	FMX2 SDS+ 2-CUT 20x950x1000 mm	20 mm	1000 mm	950 mm
662222 250	FMX2 SDS+ 2-CUT 22x200x250 mm	22 mm	250 mm	200 mm
662222 450	FMX2 SDS+ 2-CUT 22x400x450 mm	22 mm	450 mm	400 mm
662222 600	FMX2 SDS+ 2-CUT 22x550x600 mm	22 mm	600 mm	550 mm
6622221000	FMX2 SDS+ 2-CUT 22x950x1000mm	22 mm	1000 mm	950 mm
662224 250	FMX2 SDS+ 2-CUT 24x200x250 mm	24 mm	250 mm	200 mm
662224 450	FMX2 SDS+ 2-CUT 24x400x450 mm	24 mm	450 mm	400 mm
662225 250	FMX2 SDS+ 2-CUT 25x200x250 mm	25 mm	250 mm	200 mm
662225 450	FMX2 SDS+ 2-CUT 25x400x450 mm	25 mm	450 mm	400 mm

Art. No.	Type description	Nominal diameter	Length	Effective length
6622251000	FMX2 SDS+ 2-CUT 25x950x1000 mm	25 mm	1000 mm	950 mm
662226 160	FMX2 SDS+ 2-CUT 26x100x160 mm	26 mm	160 mm	100 mm
662226 250	FMX2 SDS+ 2-CUT 26x200x250 mm	26 mm	250 mm	200 mm
662226 450	FMX2 SDS+ 2-CUT 26x400x450 mm	26 mm	450 mm	400 mm



Fix master

Drill bit Fmx-4 SDS+ 4-cut

New generation drill bits for professional use

- PMG -quality marked drill bits, manufactured in controlled and certified production facilities.
- Quality marking guarantees optimal drill hole dimensions for safe and secure installation of the anchors.
- Use with drill hammers fitted with SDS+ -socket.
- 4 cutting surfaces, effective drilling even in steel-reinforced concrete.

- **Tool holding machine :** Suitable for SDS-plus

Art. No.	Type description	Nominal diameter	Length	Effective length
664455 110	FMX4 SDS+ 5,5x50x110 mm	5.5 mm	110 mm	50 mm
664455 160	FMX4 SDS+ 5,5x100x160 mm	5.5 mm	160 mm	100 mm
664455 210	FMX4 SDS+ 5,5x150x210 mm	5.5 mm	210 mm	150 mm
664455 260	FMX4 SDS+ 5,5x200x260 mm	5.5 mm	260 mm	200 mm
66445 110	FMX4 SDS+ 5x50x110 mm	5 mm	110 mm	50 mm
66445 160	FMX4 SDS+ 5x100x160 mm	5 mm	160 mm	100 mm
66445 210	FMX4 SDS+ 5x150x210 mm	5 mm	210 mm	150 mm
66445 260	FMX4 SDS+ 5x200x260 mm	5 mm	260 mm	200 mm
664465 160	FMX4 SDS+ 6,5x100x160 mm	6.5 mm	160 mm	100 mm
664465 210	FMX4 SDS+ 6,5x150x210 mm	6.5 mm	210 mm	150 mm
664465 260	FMX4 SDS+ 6,5x200x260 mm	6.5 mm	260 mm	200 mm
664465 310	FMX4 SDS+ 6,5x250x310 mm	6.5 mm	310 mm	250 mm
66446 110	FMX4 SDS+ 6x50x110 mm	6 mm	110 mm	50 mm
66446 160	FMX4 SDS+ 6x100x160 mm	6 mm	160 mm	100 mm
66446 210	FMX4 SDS+ 6x150x210 mm	6 mm	210 mm	150 mm
66446 260	FMX4 SDS+ 6x200x260 mm	6 mm	260 mm	200 mm
66448 110	FMX4 SDS+ 8x50x110 mm	8 mm	110 mm	50 mm
66448 160	FMX4 SDS+ 8x100x160 mm	8 mm	160 mm	100 mm
66448 210	FMX4 SDS+ 8x150x210 mm	8 mm	210 mm	150 mm
66448 260	FMX4 SDS+ 8x200x260 mm	8 mm	260 mm	200 mm
66448 310	FMX4 SDS+ 8x250x310 mm	8 mm	310 mm	250 mm
66448 360	FMX4 SDS+ 8x300x360 mm	8 mm	360 mm	300 mm
66448 460	FMX4 SDS+ 8x400x460 mm	8 mm	460 mm	400 mm
664410 160	FMX4 SDS+ 10x100x160 mm	10 mm	160 mm	100 mm
664410 210	FMX4 SDS+ 10x150x210 mm	10 mm	210 mm	150 mm
664410 260	FMX4 SDS+ 10x200x260 mm	10 mm	260 mm	200 mm
664410 310	FMX4 SDS+ 10x250x310 mm	10 mm	310 mm	250 mm
664410 360	FMX4 SDS+ 10x300x360 mm	10 mm	360 mm	300 mm
664410 460	FMX4 SDS+ 10x400x460 mm	10 mm	460 mm	400 mm
664410 600	FMX4 SDS+ 10x540x600 mm	10 mm	600 mm	540 mm
664412 160	FMX4 SDS+ 12x100x160 mm	12 mm	160 mm	100 mm
664412 210	FMX4 SDS+ 12x150x210 mm	12 mm	210 mm	150 mm
664412 260	FMX4 SDS+ 12x200x260 mm	12 mm	260 mm	200 mm
664412 310	FMX4 SDS+ 12x250x310 mm	12 mm	310 mm	250 mm
664412 450	FMX4 SDS+ 12x400x450 mm	12 mm	450 mm	400 mm
664412 600	FMX4 SDS+ 12x540x600 mm	12 mm	600 mm	540 mm
664414 160	FMX4 SDS+ 14x100x160 mm	14 mm	160 mm	100 mm
664414 210	FMX4 SDS+ 14x150x210 mm	14 mm	210 mm	150 mm
664414 260	FMX4 SDS+ 14x200x260 mm	14 mm	260 mm	200 mm
664414 310	FMX4 SDS+ 14x250x310 mm	14 mm	310 mm	250 mm
664414 450	FMX4 SDS+ 14x400x450 mm	14 mm	450 mm	400 mm
664414 600	FMX4 SDS+ 14x540x600 mm	14 mm	600 mm	540 mm
664416 160	FMX4 SDS+ 16x100x160 mm	16 mm	160 mm	100 mm
664416 210	FMX4 SDS+ 16x150x210 mm	16 mm	210 mm	150 mm

Art. No.	Type description	Nominal diameter	Length	Effective length
664416 260	FMX4 SDS+ 16x200x260 mm	16 mm	260 mm	200 mm
664416 450	FMX4 SDS+ 16x400x450 mm	16 mm	450 mm	400 mm
664416 600	FMX4 SDS+ 16x540x600 mm	16 mm	600 mm	540 mm
664418 250	FMX4 SDS+ 18x200x250 mm	18 mm	250 mm	200 mm
664418 450	FMX4 SDS+ 18x400x450 mm	18 mm	450 mm	400 mm
664420 250	FMX4 SDS+ 20x200x250 mm	20 mm	250 mm	200 mm
664420 450	FMX4 SDS+ 20x400x450 mm	20 mm	450 mm	400 mm
664420 600	FMX4 SDS+ 20x550x600 mm	20 mm	600 mm	550 mm



Fix master

Drill bit Fmx-4 SDS MAX 4-cut

New generation drill bits for professional use

- PMG -quality marked drill bits, manufactured in controlled and certified production facilities.
- Quality marking guarantees optimal drill hole dimensions for safe and secure installation of the anchors.
- Use with drill hammers fitted with SDS MAX -socket.
- Vibration dampening for more comfortable drilling
- 4 cutting surfaces, effective drilling even in steel-reinforced concrete.

- **Tool holding machine :** Suitable for SDS-max

Art. No.	Type description	Nominal diameter	Length	Effective length
66558 340	FMX4 MAX 8x200x340 mm	8 mm	340 mm	200 mm
665510 340	FMX4 MAX 10x200x340 mm	10 mm	340 mm	200 mm
665512 340	FMX4 MAX 12x200x340 mm	12 mm	340 mm	200 mm
665512 540	FMX4 MAX 12x400x540 mm	12 mm	540 mm	400 mm
665512 690	FMX4 MAX 12x550x690 mm	12 mm	690 mm	550 mm
665514 340	FMX4 MAX 14x200x340 mm	14 mm	340 mm	200 mm
665514 540	FMX4 MAX 14x400x540 mm	14 mm	540 mm	400 mm
665515 340	FMX4 MAX 15x200x340 mm	15 mm	340 mm	200 mm
665515 400	FMX4 MAX 15x400x540 mm	15 mm	540 mm	400 mm
665516 340	FMX4 MAX 16x200x340 mm	16 mm	340 mm	200 mm
665516 540	FMX4 MAX 16x400x540 mm	16 mm	540 mm	400 mm
665516 920	FMX4 MAX 16x800x920 mm	16 mm	920 mm	800 mm
665518 340	FMX4 MAX 18x200x340 mm	18 mm	340 mm	200 mm
665518 540	FMX4 MAX 18x400x540 mm	18 mm	540 mm	400 mm
665518 940	FMX4 MAX 18x800x940 mm	18 mm	940 mm	800 mm
665520 320	FMX4 MAX 20x200x320 mm	20 mm	320 mm	200 mm
665520 520	FMX4 MAX 20x400x520 mm	20 mm	520 mm	400 mm
665520 920	FMX4 MAX 20x800x920 mm	20 mm	920 mm	800 mm
6655201320	FMX4 MAX 20x1200x1320 mm	20 mm	1320 mm	1200 mm
665522 320	FMX4 MAX 22x200x320 mm	22 mm	320 mm	200 mm
665522 520	FMX4 MAX 22x400x520 mm	22 mm	520 mm	400 mm
665522 920	FMX4 MAX 22x800x920 mm	22 mm	920 mm	800 mm
6655221320	FMX4 MAX 22x1200x1320 mm	22 mm	1320 mm	1200 mm
665524 320	FMX4 MAX 24x200x320 mm	24 mm	320 mm	200 mm
665524 520	FMX4 MAX 24x400x520 mm	24 mm	520 mm	400 mm
665525 320	FMX4 MAX 25x200x320 mm	25 mm	320 mm	200 mm
665525 520	FMX4 MAX 25x400x520 mm	25 mm	520 mm	400 mm
665525 920	FMX4 MAX 25x800x920 mm	25 mm	920 mm	800 mm
6655251320	FMX4 MAX 25x1200x1320 mm	25 mm	1320 mm	1200 mm
665528 370	FMX4 MAX 28x250x370 mm	28 mm	370 mm	250 mm
665528 570	FMX4 MAX 28x450x570 mm	28 mm	570 mm	450 mm
665528 670	FMX4 MAX 28x550x670 mm	28 mm	670 mm	550 mm
665530 370	FMX4 MAX 30x250x370 mm	30 mm	370 mm	250 mm
665530 570	FMX4 MAX 30x450x570 mm	30 mm	570 mm	450 mm
665532 370	FMX4 MAX 32x250x370 mm	32 mm	370 mm	250 mm
665532 570	FMX4 MAX 32x450x570 mm	32 mm	570 mm	450 mm
665532 920	FMX4 MAX 32x800x920 mm	32 mm	920 mm	800 mm
6655321320	FMX4 MAX 32x1200x1320 mm	32 mm	1320 mm	1200 mm
665535 370	FMX4 MAX 35x250x370 mm	35 mm	370 mm	250 mm
665535 570	FMX4 MAX 35x450x570 mm	35 mm	570 mm	450 mm
665535 670	FMX4 MAX 35x550x670 mm	35 mm	670 mm	550 mm
665538 370	FMX4 MAX 38x250x370 mm	38 mm	370 mm	250 mm

Art. No.	Type description	Nominal diameter	Length	Effective length
665538 570	FMX4 MAX 38x450x570 mm	38 mm	570 mm	450 mm
665540 370	FMX4 MAX 40x250x370 mm	40 mm	370 mm	250 mm
665540 570	FMX4 MAX 40x450x570 mm	40 mm	570 mm	450 mm
665540 920	FMX4 MAX 40x800x920 mm	40 mm	920 mm	800 mm
6655401320	FMX4 MAX 40x1200x1320 mm	40 mm	1320 mm	1200 mm
665545 570	FMX4 MAX 45x450x570 mm	45 mm	570 mm	450 mm
665545 920	FMX4 MAX 45x800x920 mm	45 mm	920 mm	800 mm
665550 570	FMX4 MAX 50x450x570 mm	50 mm	570 mm	450 mm



Drill bit Fmx-I SDS+ vacuum drill bit

Drill bit with suction option, for dust free drilling

- Dust removal during drilling, drill bit fitted with adapter for vacuum cleaners.
- Reduces even 98 % of drilling dust.
- For renovating, when dust removal is required
- Air flow cools the drill bit and reduces friction.
- PMG -quality marked drill bits, manufactured in controlled and certified production facilities.
- Quality marking guarantees optimal drill hole dimensions for safe and secure installation of the anchors.
- Use with drill hammers fitted with SDS+ -socket.

Art. No.	Type description	Nominal diameter	Length	Effective length
66778 270	FMX-I SDS+ 8x150x270 mm	8 mm	270 mm	150 mm
667710 270	FMX-I SDS+ 10x150x270 mm	10 mm	270 mm	150 mm
667712 320	FMX-I SDS+ 12x200x320 mm	12 mm	320 mm	200 mm
667714 370	FMX-I SDS+ 14x250x370 mm	14 mm	370 mm	250 mm
667716 370	FMX-I SDS+ 16x250x370 mm	16 mm	370 mm	250 mm
667718 370	FMX-I SDS+ 18x250x370 mm	18 mm	370 mm	250 mm
667720 370	FMX-I SDS+ 20x250x370 mm	20 mm	370 mm	250 mm
667724 370	FMX-I SDS+ 24x250x370 mm	24 mm	370 mm	250 mm



fix master

Drill bit Fmx-I SDS MAX vacuum drill bit

Drill bit with suction option, for dust free drilling

- Dust removal during drilling, drill bit fitted with adapter for vacuum cleaners.
- Reduces even 98 % of drilling dust.
- For renovating, when dust removal is required
- Air flow cools the drill bit and reduces friction.
- PMG -quality marked drill bits, manufactured in controlled and certified production facilities.
- Quality marking guarantees optimal drill hole dimensions for safe and secure installation of the anchors.
- Use with drill hammers fitted with SDS MAX -socket.

- **Length :** 600 mm
- **Effective length :** 400 mm

Art. No.	Type description	Nominal diameter
668814 600	FMX-I MAX 14x400x600 mm	14 mm
668816 600	FMX-I MAX 16x400x600 mm	16 mm
668818 600	FMX-I MAX 18x400x600 mm	18 mm
668820 600	FMX-I MAX 20x400x600 mm	20 mm
668822 600	FMX-I MAX 22x400x600 mm	22 mm
668824 600	FMX-I MAX 24x400x600 mm	24 mm
668825 600	FMX-I MAX 25x400x600 mm	25 mm
668828 600	FMX-I MAX 28x400x600 mm	28 mm
668830 600	FMX-I MAX 30x400x600 mm	30 mm
668832 600	FMX-I MAX 32x400x600 mm	32 mm
668835 600	FMX-I MAX 35x400x600 mm	35 mm

Chemical anchors for professional use

FIT-Ve 200 fast curing chemical anchor for concrete and natural stone



Storage:
+5...+25 °C

Properties:

- CE-marked and ETA-approved anchor resin
 - ETA option 1 approval for cracked concrete
 - ETA Option 7 approval for un-cracked concrete
 - Structural rebar approval according Eurocode 2
 - For threaded rods M8-M30, classes 4.6-8.8
 - Rebars 8 mm-32mm

Base materials:

- Cracked concrete
- Un-cracked concrete
- Natural stone

FIT-Wi 200 winter chemical anchor for concrete and natural stone



Storage:
+5...+25 °C

Properties:

- CE-marked and ETA-approved anchor resin
 - ETA option 1 approval for cracked concrete
 - ETA Option 7 approval for un-cracked concrete
 - For threaded rods M8-M30, classes 4.6-8.8
 - Rebars 8 mm-32mm

Base materials:

- Cracked concrete
- Un-cracked concrete
- Natural stone

FIT-Pe 270 chemical anchor for masonry and concrete base materials



Storage:
+5...+25 °C

Properties:

- CE-marked and ETA-approved anchor resin
 - 18 different bricks and stones tested for the approval
 - ETA option 7 approval for un-cracked concrete
 - For threaded rods M8-M24, classes 4.6-8.8
 - Installation to hollow base material together with sleeve

Base materials:

- Solid and hollow clay bricks
- Aerated concrete blocks
- Solid and hollow light expanded clay aggregate blocks
- Solid and hollow sand-lime bricks
- Non-cracked concrete





FixMaster FIT-Ve 200 Vinylester

Approved chemical anchor for concrete and natural stone

- CE-market and ETA-approved anchor resin
- ETA option 1 approval for cracked concrete
- ETA Option 7 approval for un-cracked concrete
- Structural rebar approval according Eurocode 2
- For threaded rods M8-M30, classes 4.6-8.8
- Rebars 8 mm-32mm

Base materials :

- Cracked concrete
- Un-cracked concrete
- Natural stone

Benefits :

- Tested for fire resistance up to 240 minutes
- Fast curing time
- Small edge distances and anchor spacing
- LEED tested, A+ emission class
- Styren free

Art. No.	Type description	Product weight (per item)
7571300	300ml	558 g
7571420	420ml	680 g



FixMaster FIT-Pe 270 Polyester

Approved chemical anchor for masonry and concrete base materials

- CE-market and ETA-approved anchor resin
- 18 different bricks and stones tested for the approval
- ETA option 7 approval for un-cracked concrete
- For threaded rods M8-M24, classes 4.6-8.8
- Installation to hollow base material together with sleeve

Base materials :

- Solid and hollow clay bricks
- Aerated concrete blocks
- Solid and hollow light expanded clay aggregate blocks
- Solid and hollow sand-lime bricks
- Non-cracked concrete

Benefits :

- Suitable for use in all masonry base materials
- Fast curing time
- Small edge distances and anchor spacing
- LEED tested, A+ emission class
- Styren free

Art. No.	Type description	Product weight (per item)
7570280	280 ml (pack 12 pcs)	532 g
7570300	300 ml (pack 12 pcs)	545 g
7570420	420 ml (pack 12 pcs)	838 g



FixMaster FIT-Wi 200 Vinylester

Winter chemical anchor for concrete and natural stone

- CE-market and ETA-approved anchor resin
- ETA option 1 approval for cracked concrete
- ETA Option 7 approval for un-cracked concrete
- For threaded rods M8-M30, classes 4.6-8.8
- Rebars 8 mm-32mm

Base materials :

- Cracked concrete
- Un-cracked concrete
- Natural stone

Benefits :

- Fast curing time
- Small edge distances and anchor spacing
- LEED tested, A+ emission class
- Styren free

Art. No.	Product weight (per item)
7572300	552 g
7572420	810 g



Battery powered gun for chemical composite mortar

- The delivery includes gun, battery and charger packed in a durable plastic case.
- Adjustable compression speed
- Compression force 750 kg
- Battery Li-ion 3Ah, with charge status display
- Fast charging

Art. No.	Type description	Product weight (per item)
7505300	280-300 ML	5790 g
7505410	410-420 ML	6090 g
7505585	585 ML	7104 g



Extra battery for PowerMax guns

- Suitable for all battery powered PowerMax guns
- Battery Li-ion 3Ah, with charge status display

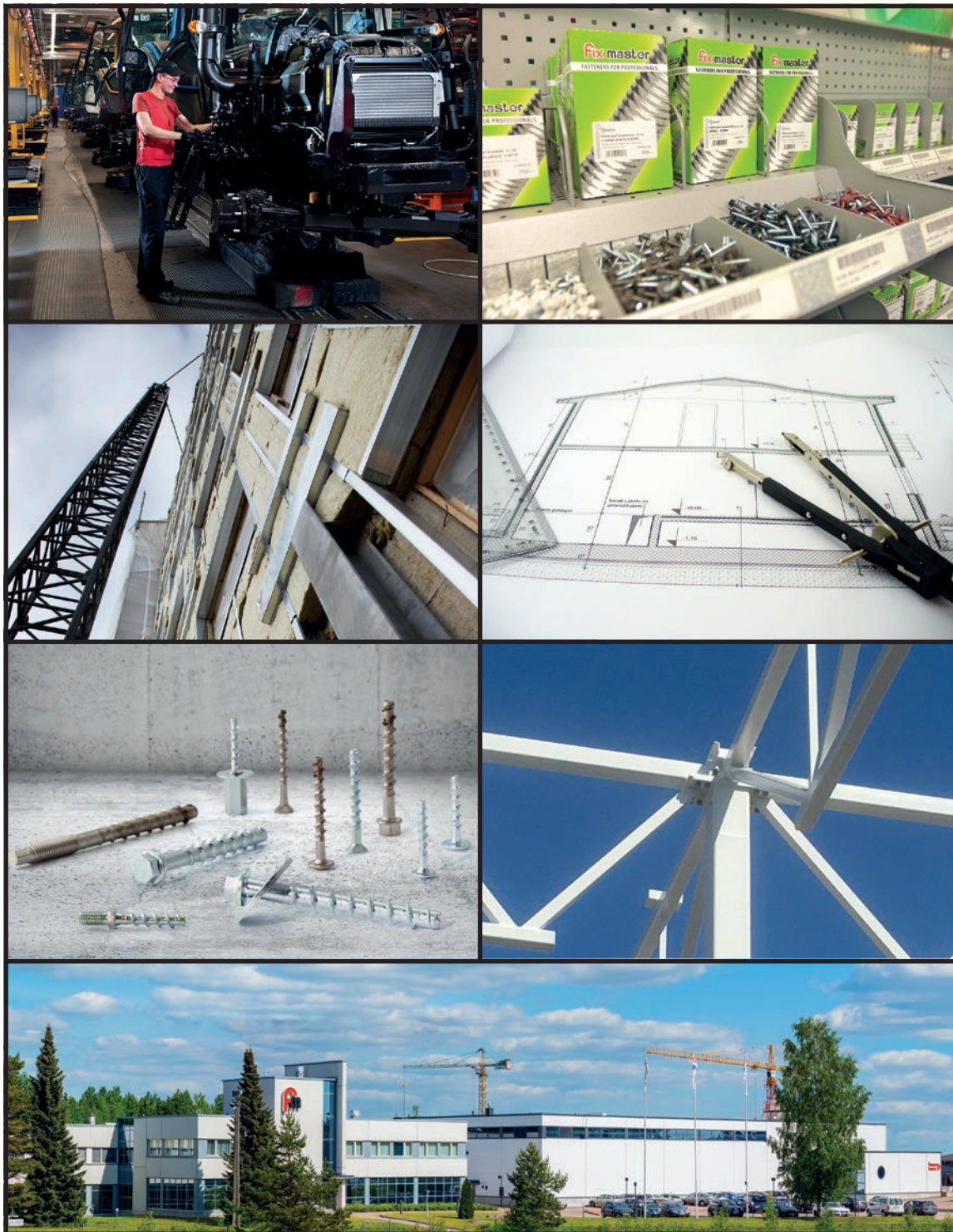
- **Type description :** 3 Ah Li-ion
- **Product weight (per item):** 592 g

Art. No.	
7506144	



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