

# ORIGINAL.



50 years ago Paslode manufactured the world's first pneumatic nailers and in 1986 it was the first to introduce the world's first impulse nailers for wood-to-wood fastening.

We are proud for our unique knowledge and long experience in safe and quick fastening methods.

## WOOD FASTENERS

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Down to -15°C



## Impulse nailer

- Timber frames
- Roof decking
- Roof structures
- Roof battening
- External sheathing boards
- Floor boards
- Terraces
- Fencing
- etc.

The most efficient nailers in their class now also with a lithium battery. For nailing 90 mm or 100 mm strip nails to suitable construction timber. Model IM90Ci as well as IM100Ci are in the first place designed taking into account the cold climate of the Nordic countries and the unique system thereof adjusts the gas quantity according to the present conditions. The nailers operate even in temperatures down to -15°C. Batteries and battery charges of all Paslode nailers with lithium batteries are compatible with one another.



### Start & Go

Innovative movement sensor means no battery discharge when not in use. Up to 25% more shots per charge.



### LED display showing fuel cell and battery status

It is easy to check the status of the fuel cell and battery at the site, since the nailer alerts you when down to your last 300 shots.



### With quick charging lithium battery

7500 shots per full charge, 6000 shots in 30 minutes and up to 200 shots in just 2 minutes.



### A smart impulse technology

Manufactured taking into account the Nordic conditions. Excellent performance in extreme cold.

#### Technical specification:

Model:	IM90Ci	IM100Ci
Part number:	010390	014185
Weight:	3.8 kg	3.8 kg
Dimensions (H×L×W):	384×328×127 mm	388×328×127 mm
Impact force:	105 J	105 J
Nail range:	50-90 mm	63-100 mm
Standard magazine:	47 nails	47 nails
Long magazine:	85 nails	
Fuel cell capacity:	1250 nails (-5°C)	1250 nails (-5°C)
Battery capacity, max.:	7500 nails / charging	7500 nails / charging



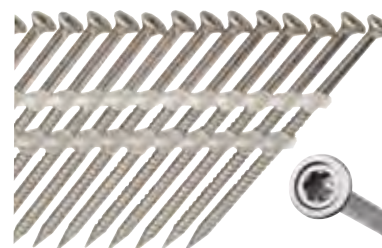
In addition to the nailer, the robust carry case contains a battery, charger, safety glasses, an Allen wrench and user and safety manual.

## NailScrew® nailscrews and fuel cells

Nail sizes Ø x L	Pcs/box	DoP*	Part no.
<b>STAINLESS STEEL A2 NailScrew® TX 15</b>			
2.8 x 50 mm	1250 nails + 1 fuel cell	001	142101
2.8 x 65 mm	1250 nails + 1 fuel cell	001	142103
2.8 x 75 mm	1250 nails + 1 fuel cell	001	142105
<b>GALVANISED ≥ 12 µm NailScrew® TX 15</b>			
2.8 x 50 mm	1250 nails + 1 fuel cell	001	142100
2.8 x 65 mm	1250 nails + 1 fuel cell	001	142102
2.8 x 75 mm	1250 nails + 1 fuel cell	001	142104

\*Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)

Paslode NailScrew® nail screw is an excellent fastener to a place, from where it might be necessary to remove it later. Transport packaging, diagonals or fixtures. For fastening terrace boards stainless steel nail screws have to be used. Easy to remove and fasten again. The performance of Paslode NailScrew® nail screw is similar to a strip nail, not a screw. This nail screw is provided with Torx 15 head.



NailScrew® is fastened as a nail but it can be removed as a screw. Manufactured in Denmark.



## RounDrive® framing nails and fuel cells

Nail sizes Ø x L	Pcs/box	DoP*	Part no.
<b>BRIGHT</b>			
2.8 x 51 mm ring shank	3750 nails + 3 fuel cells	001	142005
2.8 x 63 mm smooth	3750 nails + 3 fuel cells	001	142010
2.8 x 75 mm smooth	2500 nails + 2 fuel cells	001	142017
3.1 x 90 mm smooth	2500 nails + 2 fuel cells	001	142035
3.1 x 90 mm ring shank	2500 nails + 2 fuel cells	001	142036
<b>HOT DIPPED GALVANISED</b>			
2.8 x 51 mm ring shank	3750 nails + 3 fuel cells	001	142008
2.8 x 63 mm ring shank	3750 nails + 3 fuel cells	001	142014
2.8 x 75 mm ring shank	2500 nails + 2 fuel cells	001	142020
3.1 x 90 mm smooth	2500 nails + 2 fuel cells	001	142039
3.1 x 90 mm ring shank	2500 nails + 2 fuel cells	001	142040
3.1 x 98 mm semi-ring shank	2500 nails + 2 fuel cells	001	142041
<b>STAINLESS STEEL A2 and ACID-PROOF A4</b>			
2.8 x 51 mm A2	1250 nails + 1 fuel cell	001	142045
2.8 x 70 mm A2	1250 nails + 1 fuel cell	001	142048
2.8 x 80 mm A2	1250 nails + 1 fuel cell	001	142049
3.1 x 90 mm A2	1250 nails + 1 fuel cell	001	142053
2.8 x 63 mm A4	1250 nails + 1 fuel cell	001	142055

\*Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)



Manufactured in Denmark.



### Accessories:

	Part no.
i-series fuel cell, 1 pc./packaging	300348
IM90 No Mar Tip	013211
IM90 long magazine for two nail ring shanks	013225
Paslode lithium battery charger	018881
Paslode lithium battery 7.4 V	018880
Car charger adapter 12 V	900507
Spit/Paslode 230 V transformer	900505
The set of cleaning accessories for an impulse nailer contains a cleaner spray, oil and a piece of cloth.	013690



No Mar Tip protects the work piece from unnecessary marks.



One battery for all Paslode lithium battery-powered nailers.



A set of cleaning accessories



Car charger adapter 12 V

# IM350+ framing nails 50-90 mm



## Impulse nailer

- Roof structures
- Timber frames
- Roof battening
- Roof decking
- Floor boards
- Terraces
- Fencing

A newest version of the legendary impulse nailer known all over the world. The latest model of IM350 nailer series, which has earned the trust of professionals for 30 years. The rubber-coated handle of the gun, a narrow coned protective cover and a dual action rafter and belt hook increase the user comfort even further.

### Technical specification:

<b>Model:</b>	<b>IM350+</b>
<b>Part number:</b>	014800
<b>Weight (incl. a battery):</b>	3.4 kg
<b>Dimensions (H×L×W):</b>	370×305×102 mm
<b>Loading:</b>	43 nails = 1 ring shank
<b>Nail range:</b>	51-90 mm
<b>Fuel cell capacity:</b>	approx. 1100 nails
<b>Battery capacity, max.:</b>	approx. 4000 nails

In addition to the nailer, the robust carry case contains two batteries, a charger, safety glasses, an Allen wrench and user and safety manual.

Accessories:	Part no.
IM350 fuel cell, 2 pcs./packaging	300346
IM350 No-mar work contact element	012082
Battery NiCd 6 V, oval	404717
Charger for a round and oval battery	035460
Spit/Paslode 230 V transformer	900505
Car charger adapter 12 V	900507
The set of cleaning accessories contains a cleaner spray, oil and a piece of cloth.	013690

## Framing nails and fuel cells

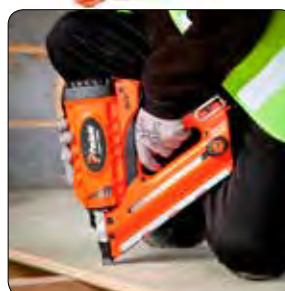
	Nail sizes Ø x L	Pcs/box	DoP*	Part no.
<b>BRIGHT</b>				
D	2.8 x 51 mm ring shank	3300 + 3 fuel cells	001	141202
D	2.8 x 63 mm ring shank	3300 + 3 fuel cells	001	141208
D	2.8 x 63 mm smooth	3300 + 3 fuel cells	001	141207
D	3.1 x 75 mm smooth	2200 + 2 fuel cells	001	141214
R	3.1 x 90 mm smooth	2200 + 2 fuel cells	001	141233
<b>HOT DIPPED GALVANISED</b>				
D	2.8 x 51 mm ring shank	3300 + 3 fuel cells	001	141205
D	2.8 x 63 mm ring shank	3300 + 3 fuel cells	001	141211
D	2.8 x 75 mm ring shank	2200 + 2 fuel cells	001	141217
R	3.1 x 90 mm smooth	2200 + 2 fuel cells	001	141235
<b>STAINLESS STEEL A2</b>				
R	2.8 x 63 mm ring shank	1100 + 1 fuel cell	001	141261
R	3.1 x 80 mm ring shank	1100 + 1 fuel cell	001	141266

D = D-shaped head

\*Declaration of Performance.

R = RoundDrive

See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)





Down to -15°C



Fully hardened anchor nails increase work safety. Attention! Nails of PSN50NP pneumatic nailer are not hardened.



## Anchor impulse nailer

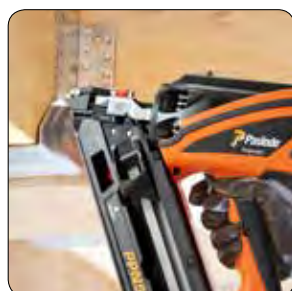
### Construction fasteners

Forget a hammer, as with PPN50Ci nailer and Hard'n Safe™ nails you can fix fasteners much more quickly. Thanks to excellent balance the nailer feels like an extension of your arm and the nail guide accelerates the work speed and always ensures a clean impact area. Uses the same lithium battery and battery charger as other Paslode lithium nailers.

#### Technical specification:

<b>Model:</b>	<b>PPN50Ci</b>
<b>Part no.:</b>	014115
<b>Weight:</b>	4 kg
<b>Dimensions (H x L x W):</b>	384 x 328 x 127 mm
<b>Impact force:</b>	95 J
<b>Nail range:</b>	35-50 mm
<b>Magazine:</b>	27 nails = 1 ring shank
<b>Fuel cell capacity:</b>	1250 shots (-5°C)
<b>Battery capacity, max.:</b>	13000 nails / charging

In addition to the nailer, the robust plastic carry case contains a battery, charger, safety glasses, an Allen wrench and user and safety manual.



## Anchor nails and fuel cells

Nail sizes Ø x L	Pcs/box	DoP*	Part no.
<b>GALVANISED + HARDENED ≥ 12 µm</b>			
4.0 x 40 mm	1250 + 1 fuel cell	001	141187
4.0 x 50 mm	1250 + 1 fuel cell	001	141188

\*Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)

Accessories:	Part no.
i-series fuel cell, 1 pc/packaging	300348
PPN50 probe pin	014099
Paslode lithium battery charger	018881
Paslode lithium battery 7.4 V	018880
Car charger adapter 12 V	900507
Spit/Paslode 230 V transformer	900505
The set of cleaning accessories contains a cleaner spray, oil and a piece of cloth.	013690



### Start & Go

Automatic readiness, when the tool is not in use. Up to 25% more shots per charge.



### LED display showing fuel cell and battery status

Simple way of checking the status of the fuel cell and battery. The nailer alerts you when down to your last 300 shots.



### With quick charging lithium battery

Up to 200 shots with only 2 minutes of charging, up to 13,000 shots per full charge.



### A nail guide simplifying the work.

Accelerates the work speed and leaves a clean impact area.



### A smart impulse technology

Made for Nordic climate conditions, excellent performance in severe frost as well.



## Roofing felt impulse nailer

- Roofing felt
- Windscreen boards

An impulse nailer with a coil magazine is ideal for fastening roofing felt, windscreen boards and other similar thin materials with felt nails with a big head. There is no need to relocate hoses or cables on the roof or by the wall or a compressor. A user friendly model, which is very pleasant to use thanks to its low noise level and almost unnoticeable recoiling.

## Felt nails and fuel cells

Wire strip nail packs.

Nail sizes Ø x L	Pcs/box	Part no.
<b>HOT DIPPED GALVANISED</b>		
3 x 22 mm	1000 nails + 1 fuel cell	142402
3 x 25 mm	1000 nails + 1 fuel cell	142403
3 x 35 mm	1000 nails + 1 fuel cell	142404

### Technical specification:

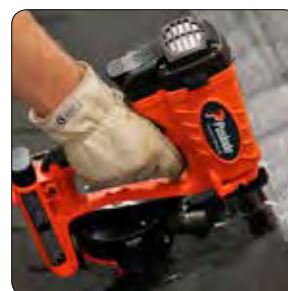
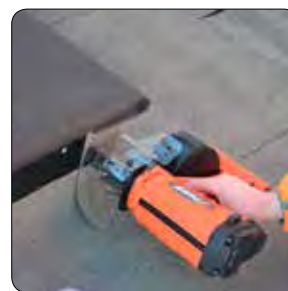
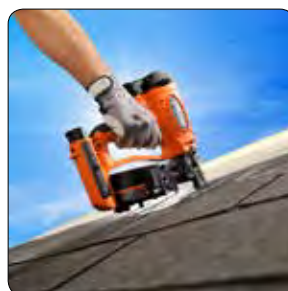
<b>Model:</b>	<b>IM45 CW</b>
<b>Part no.:</b>	018600
<b>Weight:</b>	3.1 kg
<b>Dimensions (H x L x W):</b>	296 x 127 x 315 mm
<b>Magazine capacity:</b>	125 nails (1 coil)
<b>Fuel cell capacity:</b>	approx. 1000 nails
<b>Battery capacity, max.:</b>	approx. 2200 nails / charging
<b>Nail range:</b>	22-45 mm

In addition to the nailer, the robust plastic carry case contains two batteries, a charger, cleaning set, lubrication oil, safety glasses, an Allen wrench and user and safety manual.



### Accessories:

	Part no.
IM45 fuel cell (2 pcs/package)	575722
Battery NiCd, 6 V, oval	404717
Charger for a round and oval battery	035460
Spit/Paslode 230 V transformer	900505
Car charger adapter 12 V	900507
The set of cleaning accessories contains a cleaner spray, oil and a piece of cloth.	013690



# IM45 GN brads 25-32 mm



## Sheet metal impulse nailer

- Rolled steel roof fasteners
- Sheet metal

A nailer with a coil magazine for fastening steel sheets and other thin materials. Meant in the first place for fastening rolled sheet. Easy to take along to the sites on the roof.



### Prevents unnecessary blank firing.

A last nail indicator prevents unnecessary blank firing and protects the item to be nailed and equipment.



### Saves time

Replaces nails to be fastened manually and reduces nail loss at the work site.



### Clean impact area.

Thanks to a rubber probe it is possible to fasten nails without damaging the surface of the material.

#### Technical specification:

<b>Model:</b>	<b>IM45 GN</b>	<b>Part no.</b>
<b>Part no.:</b>	018605	
<b>Weight:</b>	2.87 kg	
<b>Dimensions (H x L x W):</b>	335 x 296 x 135 mm	
<b>Nail range:</b>	25-45 mm	
<b>Magazine:</b>	125 nails (coil)	
<b>Nail diameter:</b>	2.5-2.8 mm	
<b>Fuel cell capacity:</b>	approx. 1000 shots	
<b>Battery capacity, max.:</b>	approx. 2200 nails / charging	
<b>Accessories:</b>		<b>Part no.</b>
IM45 fuel cell (2 pcs./packaging)		575722
Battery NiCd, 6 V, oval		404717
Charger for a round and oval battery		035460
Spit/Paslode 230 V transformer		900505
Car charger adapter 12 V		900507
The set of cleaning accessories contains a cleaner spray, oil and a piece of cloth.		013690

## GN-modified atmosphere nail packaging

With CE-marking, plastic strip nail packs

Nail sizes Ø x L	Pcs/box	DoP*	Part no.
<b>HOT DIPPED GALVANISED</b>			
2.8 x 25 mm	1000 + 1 fuel cell	001	142200
<b>STAINLESS STEEL A2</b>			
2.8 x 25 mm	1000 + 1 fuel cell	001	142201
2.8 x 32 mm	1000 + 1 fuel cell	001	142202

\*Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)

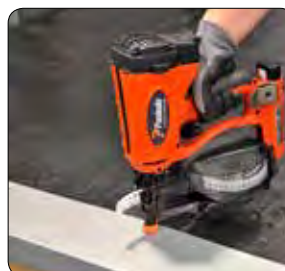
## NailScrew® -nail screw



NailScrew is fastened as a nail but it can be removed as a screw.

Nail sizes Ø x L	Pcs/box	Part no.
<b>GALVANISED 12 µm, NAILSREW</b>		
2.5/2.8 x 40 mm	750 nails + 1 fuel cell	142206

In addition to the nailer, the robust plastic carry case contains two batteries, a charger, cleaning set, lubrication oil, safety glasses, an Allen wrench and user and safety manual.





## Fine finish impulse nailer

- Straps
- Fair boxes
- Thin boards
- Finishing materials
- Decorations

Paslode IM50 nailer for F18 finish nails now with a lithium battery. Nail range: 16-50 mm, head 1.2 mm.



### With quick charging lithium battery

Now even 70% more efficient than a battery: up to 10 000 shots per full charge, 200 shots after only 2 minutes of charging!



### The nailing area is clearly visible

Good visibility of the area to be fastened improves fastening accuracy.



### Precisely adjustable impact area

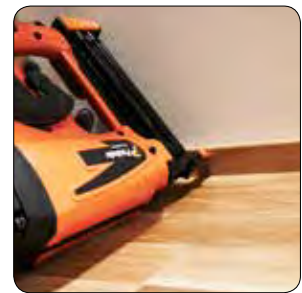
1.2 mm nails and better depth adjustment than earlier enable practically seamless fixes to be produced.

#### Technical specification:

<b>Model:</b>	IM50 F18 Lithium
<b>Part no.:</b>	013332
<b>Weight:</b>	2.10 kg
<b>Dimensions (H x L x W):</b>	307 x 288 x 90 mm
<b>Impact force:</b>	25 J
<b>Nail range:</b>	16-50 mm
<b>Magazine:</b>	100 nails = 2 ring shanks
<b>Fuel cell capacity:</b>	1000 nails
<b>Battery capacity, max.:</b>	10000 nails / charging

## F18 finish nails + fuel cells

Nail range	Pcs/box	Part no.
<b>GALVANISED</b>		
25 mm	2000 nails + 2 fuel cells	395193
32 mm	2000 nails + 2 fuel cells	395194
38 mm	2000 nails + 2 fuel cells	395195
38 mm white head	2000 nails + 2 fuel cells	575593
50 mm	2000 nails + 2 fuel cells	395196
50 mm white head	2000 nails + 2 fuel cells	575594
<b>STAINLESS STEEL A2</b>		
38 mm	2000 nails + 2 fuel cells	395466



In addition to the nailer, the robust plastic carry case contains a battery, charger, safety glasses, an Allen wrench and user and safety manual.

Accessories:	Part no.
IM50 fuel cell (2 pcs./packaging)	300341
Charger for a lithium-impulse nailer battery	018881
Battery for a lithium-impulse nailer, 7.4 V	018880
Car charger adapter 12 V	900507
Hard contact rubber element, standard equipment	901048
Soft contact rubber element	901067
The set of cleaning accessories contains a cleaner spray, oil and a piece of cloth.	013690



# IM65A F16 Lithium Angled fine finish nails F16 32-63 mm



## Fine finish impulse nailer

- Straps
- Interior finishing boards
- Panelling

Paslode IM65A nailer for angled fine finish nails F16, now with a lithium battery. Nail range: 32-63 mm, head 1.6 mm.



### With quick charging lithium battery

Now even 70% more efficient than a battery: up to 10 000 shots per full charge, 200 shots after only 2 minutes of charging!



### Precisely adjustable impact area

1.2 mm nails and better depth adjustment than earlier enable practically seamless fixes to be produced.



### A perfect set

Fine finish nails, fuel cells and nailers have been elaborated, manufactured and tested in Europe.



### The nailing area is clearly visible

Good visibility of the area to be fastened improves fastening accuracy.

#### Technical specification:

<b>Model:</b>	IM65A F16 Lithium
<b>Part no.:</b>	013312
<b>Weight:</b>	2.0 kg
<b>Dimensions (H x L x W):</b>	303 x 288 x 90 mm
<b>Impact force:</b>	30 J
<b>Nail range:</b>	32-63 mm
<b>Magazine:</b>	100 nails = 2 ring shanks
<b>Fuel cell capacity:</b>	1000 nails
<b>Battery capacity, max.:</b>	10000 nails / charging

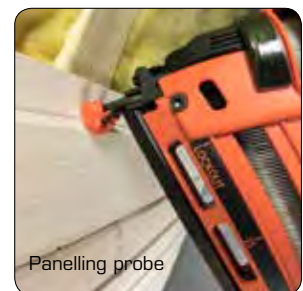
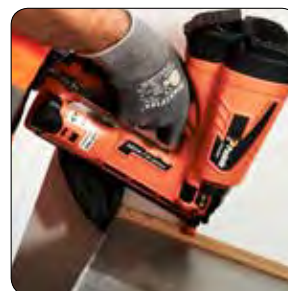
In addition to the nailer, the robust plastic carry case contains a battery, charger, safety glasses, an Allen wrench and user and safety manual.

## Angled finish impulse nailers F16 + fuel cells

Nail range	Pcs/box	Part no.
<b>GALVANISED</b>		
32 mm	2000 nails + 2 fuel cells	300270
38 mm	2000 nails + 2 fuel cells	300271
45 mm	2000 nails + 2 fuel cells	300272
51 mm	2000 nails + 2 fuel cells	300273
63 mm	2000 nails + 2 fuel cells	300274
<b>STAINLESS STEEL A2</b>		
38 mm	2000 nails + 2 fuel cells	300277
50 mm	2000 nails + 2 fuel cells	300279
<b>ACID-PROOF A4</b>		
63 mm	2000 nails + 2 fuel cells	395633

#### Accessories:

	Part no.
IM65A fuel cell (2 pcs/packaging)	300341
Panelling probe for IM65A nailer	018930
Charger for a lithium-impulse nailer battery	018881
Battery for a lithium-impulse nailer, 7.4 V	018880
Car charger adapter 12 V	900507
Rubber probe	902425
The set of cleaning accessories contains a cleaner spray, oil and a piece of cloth.	013690



Panelling probe



## Fine finish impulse nailer

- Straps
- Interior finishing
- boards
- Panelling

Paslode IM65 nailer for fine finish nails F16, now with a lithium battery. Nail range: 16-63 mm, head 1.6 mm.

## F16 fine finish nails + fuel cells

Nail range	Pcs/box	Part no.
<b>GALVANISED</b>		
38 mm	2000 nails + 2 fuel cells	921589
50 mm	2000 nails + 2 fuel cells	921591
63 mm	2000 nails + 2 fuel cells	921592



### With quick charging lithium battery

Now even 70% more efficient than a battery: up to 10 000 shots per full charge, 200 shots after only 2 minutes of charging!



### Precisely adjustable impact area

1.2 mm nails and better depth adjustment than earlier enable practically seamless fixes to be produced.



### A perfect set

Fine finish nails, fuel cells and nailers have been elaborated, manufactured and tested in Europe.

Accessories:	Part no.
IM65 fuel cell (2 pcs./packaging)	300341
Charger for a lithium-impulse nailer battery	018881
Battery for a lithium-impulse nailer, 7.4 V	018880
Car charger adapter 12 V	900507
Rubber probe	902425
The set of cleaning accessories contains a cleaner spray, oil and a piece of cloth.	013690

### Technical specification:

Model:	IM65 F16 Lithium
Part no.:	013322
Weight:	2.10 kg
Dimensions (H x L x W):	301 x 288 x 90 mm
Impact force:	30 J
Nail range:	16-63 mm
Magazine:	100 nails = 2 ring shanks
Fuel cell capacity:	1000 nails
Battery capacity, max.:	10000 nails / charging

In addition to the nailer, the robust plastic carry case contains a battery, charger, safety glasses, an Allen wrench and user and safety manual.



# IM200/50 S16

## S16 staples 19-50 mm



### Impulse stapler

- Packaging
- Panelling
- Fixtures
- Nets

An impulse stapler is great for fastening packaging, straps and panelling. Easy to use and comfortable, as this tool consumes little power.

### S16 staples

Staple range	Pcs/box	Part no.
<b>GALVANISED – PACKAGING CONTAINS NO FUEL CELLS</b>		
19 mm	5.250*	574961
25 mm	5.250*	574962
28 mm	5.250*	574963
32 mm	5.250*	574960
38 mm	5.250*	574958
45 mm	5.250*	574955
50 mm	5.250*	574957

\*5 fuel cells per 5250 staples.

### Fuel cell

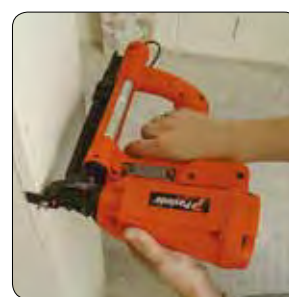
Product	Part no.
IM200 fuel cell (2 pcs/package)	300341

#### Technical specification:

<b>Model:</b>	IM200/50 S16
<b>Part no.:</b>	900078
<b>Weight:</b>	3.15 kg
<b>Dimensions (H x L x W):</b>	343 x 318 x 105 mm
<b>Magazine capacity:</b>	150 staples = 2 ring shanks
<b>Fuel cell capacity:</b>	approx. 1000 staples
<b>Battery capacity, max.:</b>	approx. 4000 staples
<b>Staple crown width:</b>	12.8 mm
<b>Staple range:</b>	19-50 mm
<b>Wire thickness:</b>	1.6 x 1.3 mm

Accessories:	Part no.
Battery NiCd 6 V, round	402500
Charger for a round and oval battery	035460
Spit/Paslode 230 V transformer	900505
Car charger adapter 12 V	900507
The set of cleaning accessories contains a cleaner spray, oil and a piece of cloth.	013690

In addition to the nailer, the robust plastic carry case contains a battery, charger, safety glasses, an Allen wrench and user and safety manual.



# DF90S 21° framing nails 50-90 mm



## Framing nailer

- Roof structures
- Timber frames
- Wooden packaging
- Fixtures
- etc.

A pneumatic nailer for harder nailing applications. A full aluminium housing and an extremely robust structure make this nailer very durable and reliable for hard work. A wear-resistant covered handle and lightness of the tool reduce the load implied during working. Available as a single shot or push-down actuation version.

### Technical specification:

<b>Model:</b>	<b>DF90S</b>
<b>Part no.:</b>	511001, single shot
<b>Part no.:</b>	575198, push-down actuation
<b>Weight:</b>	3.4 kg
<b>Dimensions (H x L x W):</b>	330 x 533 x 127 mm
<b>Magazine:</b>	70 nails = 2 ring shanks
<b>Operating pressure:</b>	5-8 bar
<b>Nail range:</b>	50-90 mm

## Framing nails, plastic strip nails

Nail sizes Ø x Length	Pcs/box	DoP*	Part no.
<b>BRIGHT</b>			
2.8 x 75 mm ring shank Kartro CN	3.000	002	300732
2.8 x 75 mm ring shank Kartro CN	3.000	002	300735
3.1 x 90 mm ring shank Kartro CN	3.000	002	300741
3.1 x 90 mm thread RB	3.000	003	504343
<b>HOT DIPPED GALVANISED PROFILED</b>			
500 pc retail packaging contains 4 boxes			
2.8 x 65 mm profiled	500	001	141031
2.8 x 75 mm profiled	500	001	141032
3.1 x 90 mm profiled	500	001	141033
<b>HOT DIPPED GALVANISED</b>			
510 pc retail packaging contains 4 boxes			
2.8 x 65 mm ring shank Kartro CN	510	002	120185
2.8 x 65 mm ring shank Kartro CN	3000	002	120184
2.8 x 75 mm ring shank Kartro CN	510	002	120187
2.8 x 75 mm ring shank Kartro CN	3000	002	120186
3.1 x 90 mm ring shank Kartro CN	510	002	120189
3.1 x 90 mm ring shank Kartro CN	3000	002	120188

\*Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)



# PSN90 and PSN100.1 34° framing nails 50-100 mm



## Framing nailers

- Roof structures
- Timber frames
- Wooden packaging
- Fixtures
- etc.

Very fast, efficient and durable pneumatic framing nailers for harder jobs. A general nailer for a construction site. A rubber-coated handle ensures safe grip and improves user comfort. The nailers are provided with a fully adjustable air exhaust and a silencer. Manufactured in USA.

### Technical specification:

	PSN90	PSN100.1
Model:	PSN90	PSN100.1
Part no.:	501560, single shot	502900, single shot
Weight:	3.6 kg	3.9 kg
Dimensions (H x L x W):	350 x 500 x 130 mm	380 x 500 x 130 mm
Operating pressure:	5-8 bar	5-8 bar
Magazine:	90 nails	90 nails
Nail range:	50-90 mm	50-100 mm



nails 50-90 mm



nails 50-100 mm

## Full-head framing nails RoundDrive®

Nail sizes Ø x Length	Pcs/box	DoP*	Part no.
<b>BRIGHT</b>			
3.1 x 90 mm smooth	2 000	001	140569
3.1 x 90 mm smooth	4 000	001	140025
3.1 x 75 mm ring shank	4 000	001	140060
3.1 x 90 mm ring shank	2 000	001	140570
3.1 x 90 mm ring shank	3 500	001	140062
<b>HOT DIPPED GALVANISED</b>			
2.8 x 50 mm ring shank	2 200	001	140530
2.8 x 63 mm ring shank	3 300	001	140565
2.8 x 75 mm ring shank	2 200	001	140568
3.1 x 90 mm ring shank	2 000	001	140571
3.1 x 90 mm smooth	2 000	001	140572
3.1 x 90 mm smooth	4 000	001	140389
3.1 x 98 mm ring shank	2 000	001	140574

\*Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)



## Framing nails, D-head

Nail sizes Ø x Length	Pcs/box	DoP*	Part no.
<b>BRIGHT</b>			
2.8 x 51 mm ring shank	8 000	001	092619
2.8 x 63 mm smooth	6 000	001	141050
2.8 x 63 mm ring shank	6 000	001	141049
2.8 x 75 mm smooth	5 000	001	090081
3.4 x 100 mm smooth	3 000	001	090167
<b>HOT DIPPED GALVANISED</b>			
2.8 x 50 mm ring shank	2 200	001	140000
2.8 x 63 mm ring shank	1 800	001	140002
2.8 x 63 mm ring shank	4 000	001	140254
2.8 x 75 mm ring shank	1 500	001	140065
2.8 x 75 mm ring shank	3 500	001	140255

\*Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)



## Framing nailers

- Thicker wooden structures
- Packaging
- Pallets
- Fixtures
- Bridges

Powerful and durable pneumatic framing nailers with an aluminium housing for up to 160 mm nails. Centre of gravity at the trigger – very balanced usage. A single-shot trigger.

## RB framing nails

Nail sizes Ø x Length	Pcs/box	DoP*	Part no.
<b>BRIGHT</b>			
3.8 x 120 mm smooth	1.400	003	504295
3.8 x 130 mm smooth	1.400	003	504297
4.6 x 160 mm smooth	600	003	396161

\*Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)

### Technical specification:

	RN 130	RN 160
Model:	RN 130	RN 160
Part no.:	576201	576204
Weight:	6.46 kg	7.16
Dimensions (H x L x W):	462 x 594 x 166 mm	518 x 616 x 153 mm
Operating pressure:	5.0-8.3 bar	5.0-8.3 bar
Magazine:	60 nails	60 nails
Nail range:	90-130 mm	100-160 mm
Nail thickness:	3.4-3.8	3.8-4.6



nails 90-130 mm



nails 100-160 mm

Delivered in a cardboard box, which in addition to the nailer contains safety glasses, lubrication oil, an internal Allen wrench, a side handle, magazine handle and use and safety instructions.





## Framing nailers

- Packaging
- Fixtures
- Pallets
- Bridges
- Docks
- Large timber frames

For fixtures, packaging and other structures requiring long nails a powerful Paslode 6000-series nailers can be used. Tape strip nails give additional capacity, enabling the work to be finished with less time. Powerful and durable nailers, which last many years.

### Technical specification:

Model:	6512/130 SQ	6625/160 SQ
Part no.:	500430	500440
Weight:	6.7 kg	6.9 kg
Dimensions (H x W):	470 x 150 x 460 mm	470 x 150 x 520 mm
Magazine capacity:	72 nails	64 nails
Operating pressure:	5.5-8 bar	5.5-8 bar
Nail range:	90-130 mm	130-160 mm
Nail thickness:	3.4-4.2	3.4-4.6



nails 90-130 mm



nails 130-160 mm

## Full-head framing nails Round- rive®

Nail sizes Ø x Length	Pcs/ box	DoP*	Part no.
<b>BRIGHT</b>			
3.8 x 120 mm smooth	1120	001	140545
3.8 x 130 mm smooth	1120	001	140547
3.8 x 130 mm ring shank	1120	001	140546
4.6 x 160 mm smooth	650	001	140558
<b>HOT DIPPED GALVANISED</b>			
4.2 x 130 round shank, dull probe	980	001	140549
4.6 x 160 mm smooth	600	001	140576

\*Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)





## Anchor nailer

- Construction fasteners

PSN50NP is a pneumatic anchor nailer operating on impact technology. Just direct the nail in the hole and press! To ensure flawless operation of the nailer it has to be greased every day.

**Technical specification:**

<b>Model:</b>	<b>PSN50NP</b>
<b>Part no.:</b>	505688
<b>Weight:</b>	1.88 kg
<b>Dimensions (H x L x W):</b>	277 x 112 x 254 mm
<b>Magazine:</b>	20 nails = 1 ring shank
<b>Nail range:</b>	35-50 mm

Delivered in a cardboard box, which in addition to the nailer contains safety glasses, lubrication oil, an internal Allen wrench and use and safety instructions.

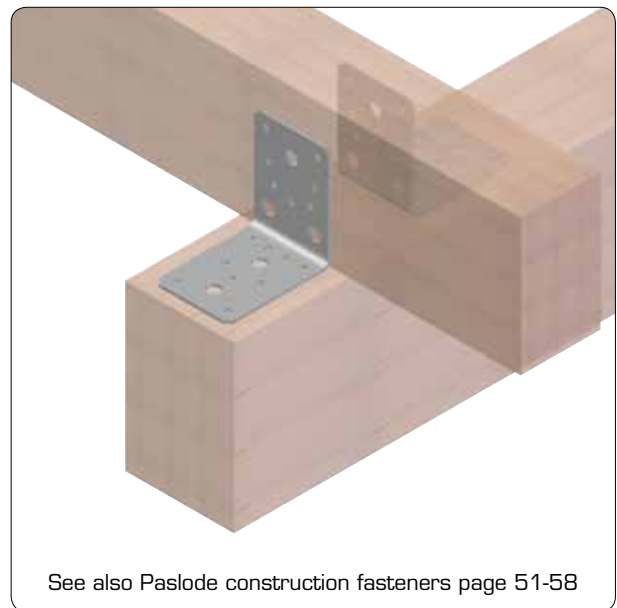


## Anchor nails 40-50 mm

Nail sizes Ø x L	Pcs/box	DoP*	Part no.
<b>GALV PLUS, GALVANISED 12 µm</b>			
4.0 x 40 mm	2.000	001	141039
4.0 x 50 mm	1.600	001	141043
<b>STAINLESS STEEL A2</b>			
4.0 x 40 mm	2.000	001	141041

\*Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)

Attention! As nails included in the set of PSN50NP nailer are not hardened, it is not recommended to use these in PPN50 impulse-anchor nailer. An unhardened nail may bend and ejected away unintentionally, in case it does not get exactly in the hole during nailing. During nailing appropriate safety equipment has to be used.



See also Paslode construction fasteners page 51-58





## Coil magazine nailer 27-50 mm

- Timber frames
- Packaging
- Footing
- Pallets

RNC50M.2 coil magazine nailer is meant for fastening wire strip nails 27-50 mm, round and smooth coils.

### Technical specification:

<b>Model:</b>	<b>RNC 50 M.2</b>
<b>Part no.:</b>	575984 push-down actuation
<b>Weight:</b>	2.0 kg
<b>Dimensions (H x L x W):</b>	285 x 128 x 305 mm
<b>Operating pressure:</b>	5-8.3 bar
<b>Air consumption:</b>	0.9 l (6 bar)
<b>Nail range:</b>	27-50 mm
<b>Nail thickness:</b>	2.1 mm
<b>Magazine capacity:</b>	200 nails

## Coil magazine nailer 25-57 mm

- Packaging
- Footing
- Pallets
- Sheathing boards

A pneumatic coil magazine nailer for wire strip nail coils 25-57 mm, smooth coil. Used for manufacturing pallets and packaging, installing boards to concrete fixture and panelling. A fast and powerful nailer.

### Technical specification:

<b>Model:</b>	<b>RNC 57</b>
<b>Part no.:</b>	574505 push-down actuation
<b>Weight:</b>	2.5 kg
<b>Dimensions (H x L x W):</b>	285 x 135 x 285 mm
<b>Operating pressure:</b>	5-8 bar
<b>Air consumption:</b>	1.58 l (6 bar)
<b>Nail range:</b>	25-57 mm
<b>Nail thickness:</b>	2.1-2.5 mm
<b>Magazine capacity:</b>	max. 275 nails

Delivered in a cardboard box, which in addition to the nailer contains safety glasses, lubrication oil, adjustment keys and use and safety instructions.





## Coil magazine nailer 45-70 mm

- Timber frames
- Packaging
- Fixtures
- Pallets

RNC70 coil magazine nailer is a tool with strong impact force for manufacturing pallets and packages for example. Uses iron wire strip coils 45-70 mm, smooth coil. A very durable and long-lasting structure for everyday use.

### Technical specification:

<b>Model:</b>	<b>RNC 70.1</b>
<b>Part no.:</b>	575786, push-down actuation
<b>Weight:</b>	3.0 kg
<b>Dimensions (H x L x W):</b>	272 x 127 x 323 mm
<b>Operating pressure:</b>	5-8.3 bar
<b>Air consumption:</b>	1.6 l (6 bar)
<b>Nail range:</b>	45-70 mm
<b>Nail thickness, plastic strip:</b>	2.5-2.8 mm
<b>Nail thickness, wire strip:</b>	2.5-3.1 mm
<b>Magazine capacity:</b>	max. 300 nails

Delivered in a cardboard box, which in addition to the nailer contains safety glasses, lubrication oil, adjustment keys and use and safety instructions.



## Coil magazine nailer 50-90 mm

- Pallets
- Fixtures
- Timber frames

Paslode CNW90 coil magazine nailer is meant for professional use. Due to its very strong impact force and a robust structure it is great for manufacturing pallets and packaging for example and fastening sheathing boards and fixtures.

### Technical specification:

<b>Model:</b>	<b>CNW90</b>
<b>Part no.:</b>	814006, push-down actuation
<b>Weight:</b>	3.8 kg
<b>Dimensions (H x L x W):</b>	330 x 145 x 400 mm
<b>Magazine capacity:</b>	275 nails
<b>Nail range:</b>	50-90 mm
<b>Nail thickness:</b>	2.5-3.4 mm



### Coil magazine nailer 32-65 mm

- Façade cladding
- Packaging
- Pallets and fixtures
- Terraces
- Gypsum plasterboards

A coil magazine nailer for wire strip WVD nails and S plastic strip nail coils. This nailer can also be used for fastening nail screws and gypsum plasterboard nail screws. S plastic strip ballistic special nails can also be used for fastening steel profiles. The nailer is provided with impact force adjustment possibility and the switchable trigger is provided with a lever for choosing automatic or push-down actuation.

#### Technical specification:

<b>Model:</b>	RNC65 S/WII
<b>Part no.:</b>	503871, single shot/push-down actuation
<b>Weight:</b>	2.0 kg
<b>Dimensions (H x L x W):</b>	325 x 280 x 130 mm
<b>Operating pressure:</b>	5-8 bar
<b>Nail range:</b>	In wire strip: 32-65 mm RNC-S in plastic strip: 40-65 mm
<b>Nail thickness:</b>	In wire strip: 2.2-2.8 mm RNC-S in plastic strip: 2.2-2.8 mm



### Coil magazine nailer 45-90 mm

- Timber frames
- Packaging
- Fixtures
- Pallets

In Haubold RNC90Z coil magazine nailers both wire strip and also S plastic strip nail coils 45-90 mm can be used. This product is great to be used as a general nailer at the construction site. It can be used as a framing gun but also for fastening façade cladding, fixtures, etc.

#### Technical specification:

<b>Model:</b>	RNC90 Z
<b>Part no.:</b>	575596, push-down actuation
<b>Weight:</b>	3.45 kg
<b>Dimensions (H x L x W):</b>	414 x 316 x 136 mm
<b>Operating pressure:</b>	5-8 bar
<b>Air consumption:</b>	2.55 l (6 bar)
<b>Nail range:</b>	45-90 mm
<b>Nail thickness:</b>	In wire strip: 2.5-3.4 mm RNC-S in plastic strip: 2.3-2.8 mm
<b>Magazine capacity:</b>	200 nails

### RNC-S plastic strip nails in a coil RNC65 S/WII and RNC90 Z for nailers

Nail sizes Ø x L	Pcs/box	Part no.
<b>HOT DIPPED GALVANISED</b>		
2.5 x 50 mm	6000	574592
2.5 x 65 mm	4800	574593

## WD nails:

Nail sizes Ø x L	Pcs/box	Part no.
<b>BRIGHT</b>		
2.1 x 27 mm ring shank	21000	505718
2.1 x 32 mm ring shank	16800	505722
2.1 x 35 mm ring shank	16800	505724
2.1 x 40 mm ring shank	14700	505728
2.1 x 45 mm smooth	12600	505800
2.1 x 45 mm ring shank	12600	505730
2.1 x 50 mm smooth	10500	505802
2.1 x 50 mm ring shank	10500	505734
2.5 x 45 mm ring shank	10800	504499
2.5 x 50 mm smooth	9000	504505
2.5 x 50 mm ring shank	9000	504493
2.5 x 60 mm smooth	7200	504441
2.5 x 60 mm ring shank	7200	504501
2.5 x 65 mm ring shank	7200	504502
2.5 x 70 mm ring shank	7200	504443
2.8 x 65 mm ring shank	6000	504513
2.8 x 75 mm ring shank	4500	504579
2.8 x 90 thread	4500	505907
3.1 x 90 bright smooth	4050	505814
3.1 x 90 mm ring shank	4050	505754

## WD nails:

Nail sizes Ø x L	Pcs/box	Part no.
<b>GALVANISED</b>		
3.1 x 90 mm ring shank	4050	504604
<b>HOT DIPPED GALVANISED</b>		
2.5 x 50 mm ring shank	1500	130005
2.5 x 65 mm ring shank	1500	130006
2.8 x 75 mm ring shank	1500	130007
3.1 x 90 mm ring shank	1320	130009



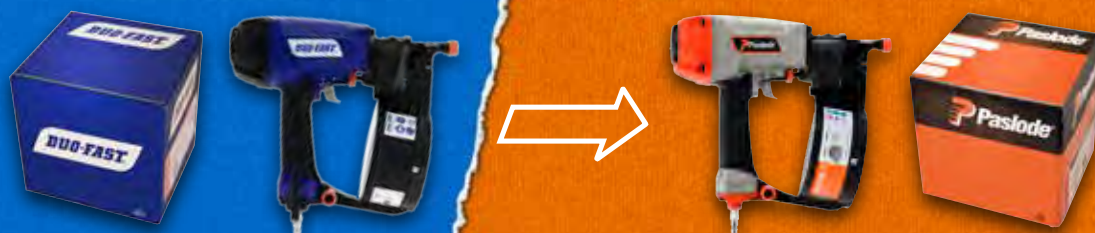
## Compatibility table of WD nails

Nail size, length x Ø	RNC50M.2	RNC57	RNC70.1	CNW90	RNC90Z	RNC65 S/W II	Part no.
27 x 2.1 bright ring shank	+	+					505718
32 x 2.1 bright ring shank	+	+					505722
35 x 2.1 bright ring shank	+	+					505724
40 x 2.1 bright ring shank	+	+					505728
45 x 2.1 bright smooth	+	+	+				505800
45 x 2.1 bright ring shank	+	+	+				505730
50 x 2.1 bright smooth	+	+	+				505802
50 x 2.1 bright ring shank	+	+	+				505734
45 x 2.5 bright ring shank		+	+	+	+	+	504499
50 x 2.5 bright smooth		+	+	+	+	+	504505
50 x 2.5 bright ring shank		+	+	+	+	+	504493
60 x 2.5 bright smooth			+	+	+	+	504441
60 x 2.5 bright ring shank			+	+	+	+	504501
65 x 2.5 bright ring shank			+	+	+	+	504502
70 x 2.5 bright ring shank			+	+	+		504443
65 x 2.8 bright ring shank			+	+	+	+	504513
75 x 2.8 bright ring shank				+	+		504579
90 x 2.8 bright thread				+	+		505907
90 x 3.1 bright smooth				+	+		505814
90 x 3.1 bright ring shank				+	+		505754
90 x 3.1 galvanised ring shank				+	+		504604
50 x 2.5 hot dipped galvanised ring shank		+	+	+	+	+	130005
65 x 2.5 hot dipped galvanised ring shank			+	+	+	+	130006
75 x 2.8 hot dipped galvanised ring shank				+	+		130007
90 x 3.1 hot dipped galvanised ring shank				+	+		130009

# DUO-FAST®

is now

# Paslode®



## Duo-Fast is now Paslode. Only name and colour will change.

### NEW CONSUMABLES SUIT FOR DUO-FAST, AS WELL AS NEW PASLODE NAILERS

All the above remain the same:

- The quality, structure and manufacturing of the products remain the same
- Type names of the nailers
- Content and size of packaging
- Product part numbers
- Accessories

During the transition period these Paslode packages are marked with small Duo-Fast signs.

Duo-Fast trademark will only include small staples and staplers. Coincidentally these were decades ago the first products of Duo-Fast



*In case you notice a blue Duo-Fast sticker on a Paslode nail box, you know that it is a former product of Duo-Fast, which is now packed in Paslode colours.*





## Coil magazine nailers for nails 27-75 mm

- Façade cladding
- Terraces and fences
- Ventilation straps
- Sheathing boards
- Roof battens
- Wooden packaging

Duo-Fast CNP65.1 is a fast and precise nailer with a coil magazine, which is ideal for fastening matched boards, sheathing boards, façade cladding, pallets, panelling, etc. With the choice of correct nails and nailers you will achieve a finished final result, which will last many decades.

Delivered in a carry case made from hard plastic. Contains a nailer, user, safety and maintenance instructions, safety glasses, lubrication oil bottle, probe softening element and necessary Allen wrenches (3).



### Easy depth adjustment

Smoothly adjustable depth ensures precise impact area



### Comfortable to use

Balanced and ergonomic



### Ergonomic

A rubber covered handle increases user comfort.



#### Technical specification:

Model:	CNP50.1	CNP65.1	CNP75.1
Oder no. (single shot)	575186	505706	505353
Order no. (push-down actuation)	575172	505707	505354
Weight:	2.1 kg	2.1 kg	2.8 kg
Dimensions (H x L x W):	310 x 305 x 146 mm	320 x 318 x 146 mm	358 x 296 x 154 mm
Operating pressure:	4-7 bar	5.5-8.3 bar	5-8 bar
Air consumption:	1.28 l (6 bar)	3 l (6 bar)	2.5 l (6 bar)
Magazine capacity:	325 nails (1 coil)	325 nails (1 coil)	325 nails (1 coil)
Nail range:	27-50 mm	35-65 mm	40-75 mm
Nail thickness:	2.1-3.05 mm	2.1-3.05 mm	2.1-3.05 mm

## IN nails

Nail sizes Ø x L	Pcs/ box	DoP*	Part no.
<b>BRIGHT</b>			
35 x 2.1 mm ring shank	13650	200	312364
40 x 2.1 mm ring shank	11700	200	312366
45 x 2.5 mm ring shank	11700	200	312545
50 x 2.1 mm ring shank	9750	200	312370
50 x 2.5 thread	9750	200	312553
60 x 2.5 thread	7800	200	312378
65 x 2.8 ring shank Kartro	7800	200	392768
60 x 2.5 mm smooth	7800	200	312376
<b>GALVANISED</b>			
27 x 2.1 mm ring shank	17550	200	312493
32 x 2.1 mm ring shank	15600	200	312498
35 x 2.1 mm ring shank	13650	200	312504
35 x 2.5 ring shank trumpet head	13650	201	312538
35 x 3.1 ring shank Kartro 12 µ	12600		120259
40 x 2.1 mm ring shank	11700	200	392915
45 x 2.5 ring shank trumpet head	11700	201	312547
50 x 2.1 mm ring shank	9750	200	392911
60 x 2.5 mm ring shank	7800	200	312565
<b>HOT DIPPED GALVANISED</b>			
35 x 2.1 mm ring shank	13650	200	120366
40 x 2.1 mm ring shank	11700	200	120367
45 x 2.1 mm ring shank	11700	200	120455
50 x 2.1 mm ring shank	1950	200	395605
50 x 2.1 mm ring shank	9750	200	395492
50 x 2.1 mm ring shank	9750	200	120368
45 x 2.5 mm ring shank	11700	200	395977
50 x 2.5 ring shank Kartro 6-pack	1950	202	120317
50 x 2.5 ring shank Kartro	9750	202	120316
60 x 2.5 mm ring shank	7800	200	395979
60 x 2.5 ring shank Kartro 6-pack	1950	202	120324
60 x 2.5 ring shank Kartro	7800	202	120323
65 x 2.5 ring shank Kartro 6-pack	1950	202	120328
65 x 2.5 ring shank Kartro	7800	202	120327
60 x 2.8 ring shank Kartro	7800	202	120194
65 x 2.8 ring shank Kartro	7800	202	120195
75 x 2.8 ring shank Kartro	5850	202	120198
<b>STAINLESS STEEL A2 AND ACID-PROOF A4</b>			
45 x 2.5 ring shank A2	11700	200	120593
60 x 2.5 ring shank fillister head A2	1950	200	395621
50 x 2.1 ring shank fillister head dull A4	1950	200	120191
60 x 2.5 ring shank fillister head A4	7800	200	395363
75 x 2.5 ring shank fillister head dull A4	1950	200	120197

\*Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)

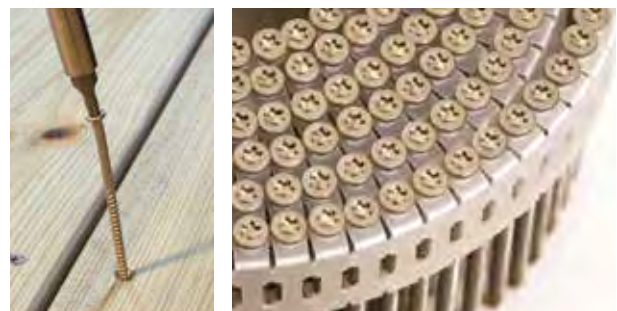
## Nail screws for CNP nailers

Nail range	Pcs/box	DoP*	Part no.
<b>GALVANISED</b>			
2.8 x 45 mm	11.700	200	603539
<b>STAINLESS STEEL A2, TX15 HEAD</b>			
2.8 x 45 mm	1.950	200	396022
2.8 x 55 mm	1.950	200	396021
2.8 x 65 mm	1.950	200	395966
2.8 x 75 mm	1.950	200	395967

\*Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)



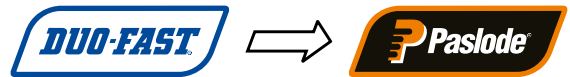
A perfect fastening system for Nordic climate conditions. Ideal compatibility of the nail, nail strip and nailer make it absolutely unique.



Nail screws can be tensioned or removed just as ordinary screws. Made in Denmark.

# CNP40M

## SN nails in a coil 16-40 mm



Plastic strip nails do not leave unnecessary debris in the nailing area.



### Nailer with a coil magazine for 16-40 mm nails

- Door and window industry
- Strap installation
- Decorative nailing

The small magazine of CNP40M coil magazine nailer also fits in narrow work areas. Very good nail directing and durability in high volume nailing applications. Magazine cover from transparent plastic also enables the nail coil to be checked without opening the magazine. Comfortable handle. Adjustable exhaust air control. A durable aluminium housing and keyless depth adjustment.

#### Technical specification:

<b>Model:</b>	<b>CNP40M</b>
<b>Oder no. (single shot)</b>	575780
<b>Order no. (push-down actuation)</b>	575781
<b>Weight:</b>	1.26 kg
<b>Dimensions (H x L x W):</b>	285 x 111 x 248 mm
<b>Operating pressure:</b>	5-8 bar
<b>Air consumption:</b>	1.1 l (6 bar)
<b>Magazine capacity:</b>	150 nails
<b>Nail range:</b>	16-40 mm
<b>Nail thickness:</b>	1.5-2.1 mm

Delivered in a plastic box, which in addition to the nailer contains safety glasses, lubrication oil, adjustment keys and use and safety instructions.

### SN nails in a coil 16-40 mm

Nail sizes Ø x Length	Pcs/box	Part no.
<b>STAINLESS STEEL A2</b>		
1.8 x 16 thread fillister head	9000	395810
2.1 x 19 ring shank fillister head	9000	395812
1.9 x 25 white head	7500	120711
1.9 x 25 black head	7500	120712
1.8 x 25 thread fillister head	9000	395803
1.8 x 25 thread	9000	395804
1.8 x 30 thread fillister head	9000	395807
1.8 x 32 thread dull end fillister head	9000	395981
1.8 x 38 thread fillister head	7200	395808







## Sheet metal nailer with a coil magazine

- Rolled steel roof fasteners
- Wooden packaging
- Sheet metal

A lightweight pneumatic nailer for fastening rolled steel.



**Does not require unnecessary adjustments.**

A magazine with an advanced shape, accommodating all nail lengths without an elevating plate of the magazine.



**Saves time**

Replaces brads to be fastened manually and reduces nail loss at the work site.



**Clean impact area.**

A rubber probe makes it possible to nail without damaging the material surface. 0° nail coil nail hits always straight and no unnecessary part remains under the head.

## GN nails in a coil

Plastic strip nails in a coil.

Nail sizes Ø x L	Pcs/box	Part no.
<b>HOT DIPPED GALVANISED</b>		
2.8 x 25 mm	1200 nails	140611
<b>STAINLESS STEEL A2</b>		
2.8 x 25 mm	1200 nails	140612
2.8 x 32 mm	1200 nails	140613

## NailScrew® nail screws

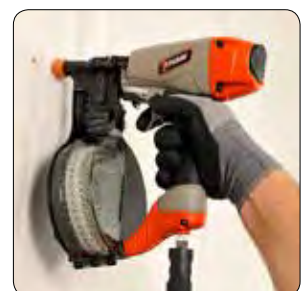
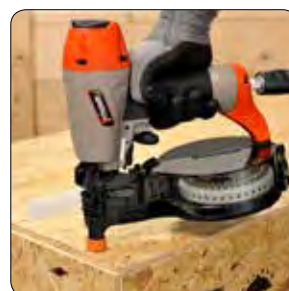


NailScrew can be fixed as a nail and removed as a screw.

Nail sizes Ø x L	Pcs/box	Part no.
<b>GALVANISED 12 µm, NAILSCREW</b>		
2.5/2.8 x 30 mm	6300 nails	140610

### Technical specification:

Model:	LCP45
Order no. (single shot):	575896
Weight:	1.65 kg
Dimensions (H x L x W):	275 x 282 x 159 mm
Nail range:	22-45 mm
Magazine capacity:	150 nails
Operating pressure:	5-8 bar





## Nailer with a coil magazine for gypsum plasterboard and particleboard screws

- Door and window industry
- Packaging
- Gypsum plasterboards
- Particleboards
- Temporary fasteners

Paslode borrowed GN strip from Duo-Fast and worked out a versatile nailer for fastening nails, nail screws and screws. Suitable for fastening gypsum plasterboard and particleboards, for instance and for temporary fastening. A great tool for a window industry for example or producing transportation packaging.



### Does not require unnecessary adjustments.

A magazine with an advanced shape, accommodating all nail lengths without an elevating plate of the magazine.



### Clean impact area.

0° nail coil nail hits always straight and no unnecessary part remains under the head.

## GN nails in a coil

Plastic strip nails in a coil.

Nail sizes Ø x L	Pcs/box	Part no.
<b>HOT DIPPED GALVANISED</b>		
2.1 x 35 mm	5040 nails	120147
<b>STAINLESS STEEL A2</b>		
2.8 x 32 mm	1200 nails	140613

## NailScrew® nail screws



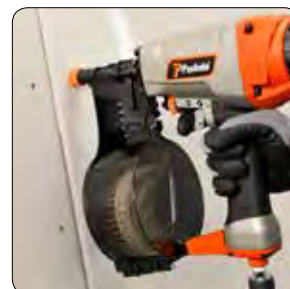
NailScrew can be fixed as a nail and removed as a nail.

Nail sizes Ø x L	Pcs/box	Part no.
<b>GALVANISED 12 µm, NAILSREW</b>		
2.5/2.8 x 30 mm	6300 nails	140610

## GN screws in a coil

Plastic strip GN screws in a coil

Nail sizes Ø x L	Pcs/box	Part no.
<b>GALVANISED, FOR A GYPSUM PLASTERBOARD PH2</b>		
3.9 x 32 mm	7200 nails	123878
3.9 x 42 mm	5400 nails	123879
<b>GALVANISED, FOR A PARTICLEBOARD PH2</b>		
4.2 x 42 mm	5400 nails	123885
4.2 x 51 mm	5400 nails	123886



### Technical specification:

Model:	LCP65
Order no. (single shot):	575900
Order no. (push-down actuation):	575912
Weight:	2.4 kg
Dimensions (H x L x W):	330 x 312 x 151 mm
Nail range:	30-65 mm
Magazine capacity:	150 nails
Operating pressure:	5-8 bar



### Roofing felt nailers

- Roofing felt
- Windscreen boards

A pneumatic nailer for fastening roofing felt, corrugated bitumen sheets, windscreen boards, gypsum plasterboards and particleboards. The magazine is provided with a base that can be adjusted to suit the nail length and a nailing support, which ensures correct position of the nailer in relation to the substrate, and an adjustable impact depth. This gives the best result without damaging the surface of the roofing felt.

#### Technical specification:

<b>Model:</b>	<b>RNC 45R</b>
<b>Order no. (single shot)</b>	505698
<b>Order no. (push-down actuation)</b>	505699
<b>Weight:</b>	2.3 kg
<b>Dimensions (H x L x W):</b>	275 x 295 x 115 mm
<b>Operating pressure:</b>	5-8 bar
<b>Magazine capacity:</b>	125 nails (1 coil)
<b>Nail range:</b>	16-45 mm

### Roofing felt nails 16-45 mm

Nail sizes Ø x L	Pcs/box	Part no.
<b>HOT DIPPED GALVANISED</b>		
3.0 x 19 mm	3000	505829
3.0 x 25 mm	3000	505831
3.0 x 32 mm	2250	505832
3.0 x 35 mm	2250	505833
3.0 x 38 mm	2250	505834
3.0 x 45 mm	2250	505835





### Angled fine finish nailer

- Straps
- Panelling
- Finishing materials

A fine finish nailer, which is ideal for most common finishing applications. Fits for Paslode angled fine finish nails F16 to 64 mm. Great for installing panels and sheathing boards thicker than straps. An angled magazine makes it easy to nail in corners. Impact depth adjustment and clear overview of the nail quantity from the side of the magazine.

**Technical specification:**

<b>Model:</b>	<b>FN16A65</b>
<b>Part no.:</b>	500910
<b>Weight:</b>	1.7 kg
<b>Dimensions (H x L):</b>	287 x 274 mm
<b>Nail thickness:</b>	1.6 mm
<b>Operating pressure:</b>	5.5-8 bar
<b>Air consumption:</b>	1.5 l (7 bar)
<b>Magazine capacity:</b>	110 nails = 2 ring shanks
<b>Nail range:</b>	32-64 mm

### F16 angled fine finish nails

Nail range	Pcs/box	Part no.
<b>GALVANISED</b>		
32 mm	2.000	650230
38 mm	2.000	650231
45 mm	2.000	650046
50 mm	2.000	650047
64 mm	2.000	650232



Nailing to concrete and bricks

### Fine finish nailer for concrete

- Skirting
- Lightweight concrete fasteners

A fine finish nailer for fastening straps directly to the concrete. Performs on concrete elements and calcium silicate bricks of normal strength. A fast, dust-free and quiet solution for installing straps compared to dowels. 1.8 mm hardened nail. Be careful while working, as the max. operating pressure is 6.5 bar. Keep the nailer vertically against the substrate. Distance from the corners shall not be less than 4 cm.

**Technical specification:**

<b>Model:</b>	<b>FN1650C</b>
<b>Part no.:</b>	395724
<b>Weight:</b>	1.72 kg
<b>Dimensions (H x L):</b>	270 x 304 mm
<b>Nail thickness:</b>	1.8 mm
<b>Operating pressure:</b>	4-7 bar
<b>Magazine capacity:</b>	110 nails = 2 ring shanks
<b>Nail range:</b>	18-50 mm

### Fine finish nails for concrete F16C

Nail range	Pcs/box	Boxes/del. pack	Part no.
<b>GALVANISED, HARDENED</b>			
18 mm	3.000	10	574646
20 mm	3.000	10	574647
25 mm	3.000	10	574648
30 mm	1.500	10	574649
35 mm	1.500	10	574650
40 mm	1.500	10	574651
50 mm	1.500	10	574652

Choose a nail with a correct size by adding 8-10 mm to the thickness of the material to be fastened.



## Fine finish nailer

- Straps
- Panelling
- Interior finishing materials
- Boards

A general fine finish nailer for 1.6 mm nails with a max. length of 50 mm. Suitable for nailing most common interior finishing materials, for instance panels, finishing boards, etc. Very comfortable probe cleaning function, depth adjustment, prevents blank firing.

### Technical specification:

Model:	FN1650.1
Part no.:	575497
Weight:	1.31 kg
Dimensions (H x L x W):	270 x 255 x 65 mm
Nail thickness:	1.6 mm
Operating pressure:	4.9-8.3 bar
Nail range:	15-50 mm

## F16 fine finishing nails

For FN1665.1 and FN1650.1 nailers

Nail range	Pcs/box	Boxes/ del. pack	Part no.
<b>GALVANISED</b>			
25 mm	5.000	8	395061
32 mm	5.000	6	395063
38 mm	5.000	6	395065
45 mm	5.000	4	395068
50 mm	5.000	4	395069
63 mm	5.000	4	395071
<b>STAINLESS STEEL A2</b>			
25 mm	5.000	8	395072
35 mm	5.000	6	395074
38 mm	5.000	6	395075



## Fine finish nailer

- Straps
- Panelling
- Interior finishing materials
- Boards

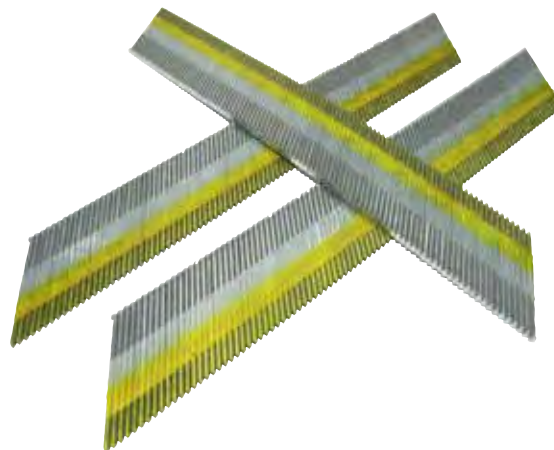
A general fine finish nailer for 1.6 mm nails with a max. length of 65 mm. For finishing materials and sheathing boards. An excellent tool also for fastening façade boards before installing the actual façade nail: Nail the façade boards from a couple of places and thereat fasten straight nail rows with Duo-Fast CNP65.1 nailer. Impact depth adjustment, switchable lever for automatic or push-down actuation, prevents blank firing.

### Technical specification:

Model:	FN1665.1
Part no.:	502120
Weight:	1.79 kg
Dimensions (H x L x W):	287 x 290 x 97 mm
Nail thickness:	1.6 mm
Operating pressure:	5-8 bar
Magazine capacity:	110 nails
Nail range:	16-65 mm



# FN1565 A34 DA angled fine finish nails 32-63 mm



## Fine finish nailer

- Sheathing boards
- Construction boards
- Wooden interior finishing materials
- Straps

Dykkert nailer for 1.8 mm nails. An angled fine finish nail DA suits for thicker interior finishing boards, bigger decorative straps and other suitable items. Impact depth adjustment.

### Technical specification:

Model:	FN1565 A34
Order no. (single shot):	505692
Order no. (push-down actuation):	505693
Weight:	1.9 kg
Dimensions (H x L x W):	313 x 348 mm
Operating pressure:	5-8 bar
Nail range:	25-64 mm
Nail thickness:	1.8 mm
Magazine capacity:	100 nails

## DA angled fine finish nails

Nail range	Pcs/box	Boxes/ del. pack	Part no.
<b>GALVANISED</b>			
50 mm	5000	2	391034
63 mm	5000	2	391036



### Fine finish nailer

- Thin boards
- Strap installation
- Decorations
- Lightweight fasteners for wood

FN1850.1 nailer for 16-50 mm nails is an excellent choice for all applications requiring a nail with a small head: skirting, corner and ceiling straps, thinner interior finishing materials. Decorative elements and other lighter items to be fastened. The nailer has a pleasant rubber-coated handle, impact depth adjustment, it prevents blank firing and it comes with an extremely accurate nail directing feature.

#### Technical specification:

<b>Model:</b>	<b>FN1850.1</b>
<b>Part no.:</b>	575492
<b>Weight:</b>	1.31 kg
<b>Dimensions (H x L x W):</b>	270 x 255 x 65 mm
<b>Magazine capacity:</b>	100 nails
<b>Operating pressure:</b>	5-8 bar
<b>Nail thickness:</b>	1.2 mm
<b>Nail range:</b>	16-50 mm

### F18 fine finish nails

Nail range	Pcs/box	Boxes/ del. pack	Part no.
<b>GALVANISED</b>			
16 mm	5.000	22	395281
19 mm	5.000	22	395282
25 mm	5.000	20	395283
30 mm	5.000	16	395284
32 mm	5.000	14	395285
35 mm	5.000	14	395286
38 mm	5.000	14	395861
40 mm	5.000	12	395287
40 mm white	5.000	15	120171
45 mm	5.000	12	394924
50 mm	5.000	10	395288
<b>STAINLESS STEEL A2</b>			
19 mm	5.000	22	391020
25 mm	5.000	20	113470
30 mm	5.000	16	391022
35 mm	5.000	14	113471
40 mm	5.000	12	391025



### FN1850.1 set

Content	Part no.
Nailer + compressor + hose	152931

**Paslode, FN1850.1.**  
For F18 fine finish nails 16-50 mm

**Paslode Proline160 compressor**  
Small, light and comfortable

**Paslode pneumatic hose**  
15 meter ¼" PU-hose.

Read more on page 48.



## Stapler

- Textiles
- Cardboards
- Plastic films
- Aluminium papers

A main tool for a finishing material installer. Supports KL800 series staples up to 16 mm. A full aluminium body and really durable structure ensure that the tool lasts for long. All thin materials, for example textiles, plastic, paper, etc.

### Technical specification:

<b>Model:</b>	<b>PN816</b>
<b>Part no.:</b>	576282
<b>Weight:</b>	0.89 kg
<b>Dimensions (H x L x W):</b>	144 x 232 x 43 mm
<b>Operating pressure:</b>	4-7 bar
<b>Magazine capacity:</b>	150 staples
<b>Staple range:</b>	6-16 mm
<b>Staple crown width:</b>	12.9 mm
<b>Wire thickness:</b>	0.7 x 0.9 mm



## KL800 and S80 staples

Staple range	Pcs/box	Boxes/retail packaging	Part no.
<b>GALVANISED</b>			
6 mm	10.000	20	503028
8 mm	10.000	10	503033
10 mm	10.000	10	503040
12 mm	10.000	10	503047
14 mm	10.000	10	503053
16 mm	10.000	8	503021
<b>STAINLESS STEEL A2</b>			
14 mm	5.000	20	503057



## Staplers for DF50 staples

- Aluminium paper
- Cardboards
- Base materials
- Vapour barrier film
- Thin materials

A quiet and light stapler for DF50 staples.

### Technical specification:

<b>Model:</b>	<b>LDS5016</b>
<b>Part no.:</b>	394962
<b>Weight:</b>	0.9 kg
<b>Dimensions (H x W):</b>	148 x 216 mm
<b>Operating pressure:</b>	4-6 bar
<b>Magazine capacity:</b>	100 staples
<b>Air consumption (6 bar)</b>	0.3 l/shot
<b>Staple range:</b>	6-14 mm
<b>Staple crown width:</b>	12.4 mm
<b>Wire thickness:</b>	1.3 x 0.5 mm



## DF50 staples

Staple range	Pcs/box	Boxes/retail packaging	Part no.
<b>GALVANISED</b>			
6 mm	5.000	20	312269
8 mm	5.000	20	392861
10 mm	5.000	15	312271
12 mm	5.000	15	312272
14 mm	5.000	9	312273
<b>STAINLESS STEEL A2</b>			
10 mm	5.000	15	391330





F18 fine finish nails



S90 staples

## Combi nailer and stapler

- Straps
- Panelling
- Panelling
- Finishing materials
- Cardboards
- Wooden packaging
- Lightweight fasteners for wood
- DIY jobs

A repairer's combi nailer and stapler for fastening fine finish nails F18 (1.2 mm) and also S90 staples (width 5.7 mm). Great as a general nailer for a builder or repairer.

### Technical specification:

Model:	FNS1850
Part no.:	505690
Weight:	1.4 kg
Dimensions (H x L):	247 x 248 mm
Magazine capacity:	100 nails
Operating pressure:	5-8 bar
Nail thickness:	1.2 mm
Staplecrown width:	5.7 mm
Nail range F18:	16-50 mm
Staple range: S90:	15-40 mm

## F18 fine finish nails

Nail range	Pcs/box	Boxes/retail packaging	Part no.
<b>GALVANISED</b>			
16 mm	5.000	22	395281
19 mm	5.000	22	395282
25 mm	5.000	20	395283
30 mm	5.000	16	395284
32 mm	5.000	14	395285
35 mm	5.000	14	395286
38 mm	5.000	14	395861
40 mm	5.000	12	395287
40 mm white	5.000	15	120171
45 mm	5.000	12	394924
50 mm	5.000	10	395288
<b>STAINLESS STEEL A2</b>			
19 mm	5.000	22	391020
25 mm	5.000	20	113470
30 mm	5.000	16	391022
35 mm	5.000	14	113471
40 mm	5.000	12	391025

## S90 staples

Staple range	Pcs/box	Boxes/retail packaging	Part no.
<b>GALVANISED</b>			
25 mm	4.000	10	113849
30 mm	4.000	10	113850
35 mm	4.000	10	113852
40 mm	4.000	5	113853

Paslode S90 staples match Haubold KL6000 staples, see PN6040 (page 42)



### Stapler

- Packaging
- Furniture
- Gypsum plasterboards
- Plywood
- Particleboards
- Fixtures

Light and balanced. Adjustable exhaust air and simple depth adjustment. The last fire indicator protects the work piece from unnecessary marks on the surface to be nailed. A unique possibility to add staples in the magazine speeds up the job. Patented locking/opening function of the probe plate ensures excellent view on the area to be nailed.

**Technical specification:**

Model:	PN 755
Part no.:	574443
Weight:	2.19 kg
Dimensions (H x L x W):	298 x 384 x 86 mm
Magazine capacity:	150 staples = 2 ring shanks
Operating pressure:	5-8 bar
Air consumption (6 bar):	approx. 1.1 l/shot
Staple crown width:	11.3 mm
Staple range:	15-55 mm
Wire thickness:	1.6 x 1.3 mm

### KG700 staples

Staple range	Pcs/box	DoP*	Part no.
<b>GALVANISED</b>			
25 mm	7500		574935
30 mm	7500	400	574936
35 mm	7500		574938
38 mm	5400		574939
40 mm	5400	400	574940
45 mm 12 µm	5400	400	574941
45 mm	5400	400	574942
50 mm	5400	400	574944
55 mm	5400	400	574945

\*Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)



### Stapler

- Packaging
- Furniture
- Plywood
- Particleboards
- Fixtures

Duo-Fast HDS 7650.1 stapler is a trustworthy choice for industrial plate fastening and packaging production. Adjustable impact depth, fully adjustable air exhaust and covered handle make HDS stapler a good tool.

**Technical specification:**

Model:	HDS 7650.1
Part no.:	395723
Weight:	2.2 kg
Dimensions (H x L):	280 x 345 mm
Magazine capacity:	144 staples
Operating pressure:	5-8 bar
Air consumption (6 bar):	2.2 l/shot
Staple crown width:	11.2 mm
Staple range:	18-50 mm
Wire thickness:	1.6 x 1.3 mm

### DF76 staples

Staple range	Pcs/box	Boxes/ del. pack	Part no.
<b>GALVANISED</b>			
25 mm	5.000	2	120389
32 mm	5.000	2	120392
35 mm	5.000	2	120393
38 mm	5.000	2	120394
44 mm	5.000	2	120036
50 mm	5.000	2	120038





### Stapler

- Windscreen boards
- Packaging
- Manufacturing of trusses
- Cardboards

Robust and durable. S200-W16 stapler meant for wide staples is great for fastening very porous boards such as wind-screen boards and manufacturing of fixtures. For fastening trusses in the production process and other applications where wide staples are required.

#### Technical specification:

<b>Model:</b>	<b>S200 W16</b>
<b>Part no.:</b>	501265
<b>Weight:</b>	2.2 kg
<b>Dimensions (H x L x W):</b>	298 x 384 x 86 mm
<b>Operating pressure:</b>	5-8 bar
<b>Air consumption (6 bar)</b>	approx. 1.1 l/shot
<b>Magazine capacity:</b>	150 staples
<b>Staple crown width:</b>	23.1 mm
<b>Staple range:</b>	12-50 mm
<b>Wire thickness:</b>	1.4 x 1.6 mm

### W16 staples

Staple range	Pcs/box	Part no.
<b>GALVANISED</b>		
16 mm	10.000	300231
22 mm	10.000	300233
25 mm	10.000	300234
32 mm	10.000	300230
38 mm	10.000	300235
50 mm	10.000	113297



## Stapler

- Gypsum plasterboards
- Packaging and pallets
- Base boards
- Ceiling boards (mdf)

A stapler for 11 mm staples. Meant for fastening interior finishing boards (MDF) and other items. A tip with innovative design to ensure extra precise nailing. A simple and new charging solutions speeds up the job. Comfortable shape reduces load imposed on the hand.

### Technical specification:

<b>Model:</b>	<b>PN 540</b>
<b>Part no.:</b>	575847
<b>Weight:</b>	1.22 kg
<b>Dimensions (H x L x W):</b>	294 x 264 x 64 mm
<b>Operating pressure:</b>	5-8 bar
<b>Air consumption (6 bar):</b>	approx. 0.7 l/shot
<b>Magazine capacity:</b>	155 staples
<b>Staple range:</b>	15-40 mm
<b>Staple crown width:</b>	10.8 mm
<b>Wire thickness:</b>	1.0 x 1.25 mm



## Stapler

- Finishing materials
- Thin panels
- Sheathing boards
- Furniture

A nailer for narrower staples (5.8 mm) for fastening sheathing boards and other light structures. A tip with innovative design to ensure extra precise nailing. A simple and new charging solutions speeds up the job. Comfortable shape reduces load imposed on the hand.

### Technical specification:

<b>Model:</b>	<b>PN 6040</b>
<b>Part no.:</b>	575853
<b>Weight:</b>	1.24 kg
<b>Dimensions (H x L x W):</b>	294 x 264 x 64 mm
<b>Operating pressure:</b>	5-8 bar
<b>Air consumption (6 bar):</b>	approx. 0.7 l/shot
<b>Magazine capacity:</b>	155 staples
<b>Staple range:</b>	15-40 mm
<b>Staple crown width:</b>	5.7 mm
<b>Wire thickness:</b>	1.0 x 1.2 mm



## KL500 staples

Staple range	Pcs/box	Boxes/retail packaging	Part no.
<b>GALVANISED</b>			
15 mm	5000	10	503162
20 mm	5000	10	503167
25 mm	5000	8	503168
30 mm	5000	4	503171
35 mm	5000	4	503174
40 mm	4000	4	503176

## KL6000 staples

Staple range	Pcs/box	Boxes/retail packaging	Part no.
<b>GALVANISED</b>			
20 mm	5000	8	503221
25 mm	5000	8	503224
30 mm	5000	8	503226
35 mm	5000	6	503228
40 mm	4000	6	503229
<b>STAINLESS STEEL</b>			
<b>A2</b>			
35 mm	5000	4	503202

## KL5000 staples

Staple range	Pcs/box	Boxes/retail packaging	Part no.
<b>GALVANISED</b>			
15 mm karkaistu	10000	10	503185
25 mm	5000	12	503193
30 mm	5000	8	503197
35 mm	5000	10	503192
40 mm	5000	6	503200
<b>STAINLESS STEEL A2</b>			
30 mm	6000	4	503198



## Stapler

- Cardboards
- Packaging
- Trusses
- Porous windscreen boards

Haubold 2500 series staples are a right choice for applications, where well-fastening staples are required. Staples suit especially well for fastening windscreen boards (fibre). The product range includes for example 12 µm galvanised staples, which when fastened to wooden structures meet the quality requirements of Eurocode 5.

### Technical specification:

Model:	PN 2550 A
Part no.:	503676
Weight:	2.8 kg
Dimensions (H x L x W):	250 x 400 x 70 mm
Operating pressure:	5-8 bar
Magazine capacity:	156 staples
Staple range:	25-50 mm
Staple crown width:	26 mm
Wire thickness:	1.6 x 1.3 mm

## BK2500 staples

Staple range	Pcs/box	Part no.
<b>GALVANISED</b>		
25 mm	9.300	503363
32 mm	6.600	503373
38 mm	6.200	503374
50 mm	4.680	503360
<b>ALUMINIUM</b>		
16 mm	13.500	503375



## Stapler

- Panelling
- Frame installation
- Lattice-frames
- Furniture frames

A stapler of average weight for fastening 11.4 mm staples. Suits for fastening frames, lattice-frames, panels and other items of average weight. A robust 7900 series staple with 12-micrometre zinc coating can also be used in wooden structures belonging to the load bearing class 2: façade frames, matched boards and roof tiles.

### Technical specification:

Model:	PN7965
Part no.:	574517
Weight:	2.9 kg
Dimensions (H x L x W):	380 x 94 x 307 mm
Operating pressure:	5-8 bar
Air consumption:	approx. 1.6 l
Magazine capacity:	134 staples
Staple range:	32-65 mm
Staple crown width:	11.4 mm
Wire thickness:	1.8 x 1.6 mm

## HD7900 staples

Staple range	Pcs/box	DoP*	Part no.
<b>GALVANISED 12 µ</b>			
45 mm 12 µ	5.200	400.3	503396
50 mm 12 µ	5.200	400.3	503397
65 mm 12 µ	5.200	400.3	503400
75 mm 12 µ	5.200	400.3	503402

\*Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)

# S200-S16

## S16 fine finish staples, 25-50 mm



### Stapler

- Wooden packaging
- Plywood
- Particleboards
- Fixtures
- Pallets

A medium sized stapler for panelling and packaging and pallet manufacturing. An operator friendly and extremely durable tool for continuous use. Made in USA.

#### Technical specification:

<b>Model:</b>	<b>S200 S16</b>
<b>Part no.:</b>	501230
<b>Weight:</b>	2.2 kg
<b>Dimensions (H x L x W):</b>	285 x 355 x 80 mm
<b>Operating pressure:</b>	5-8 bar
<b>Air consumption (6 bar):</b>	approx. 1.1 l/shot
<b>Magazine capacity:</b>	150 staples
<b>Staple range:</b>	16-50 mm
<b>Staple crown width:</b>	12.8 mm
<b>Wire thickness:</b>	1.6 x 1.4 mm

### S16 staples

Staple range	Pcs/box	Part no.
<b>GALVANISED</b>		
19 mm	5.250	574961
25 mm	5.250	574962
28 mm	5.250	574963
32 mm	5.250	574960
38 mm	5.250	574958
45 mm	5.250	574955
50 mm	5.250	574957

S16 staples suit to be used in IM200/50 S16 impulse stapler.



### Corrugated stapler

For panel joining, frame and truss installation with Haubold WN15 corrugated stapler and WN25 corrugated staples.

#### Technical specification:

Model:	WN15
Part no.:	503639
Weight:	2.3 kg
Dimensions (H x L x W):	248 x 77 x 292 mm
Operating pressure:	5-7 bar
Air consumption:	approx. 1.1 l (6 bar)
Magazine capacity:	126 staples
Corrugated Staple range:	9.5 -15 mm
Corrugated staple width:	25 mm

### WN25 corrugated staples

Nail range	Pcs/box	Part no.
<b>BRIGHT - MATERIAL THICKNESS 0.5 MM, WIDTH 25 MM</b>		
9.5 mm	16.000	504359
12.5 mm	14.000	504360

CS5000



HT550C



HT11



## Staplers for DF50 staples

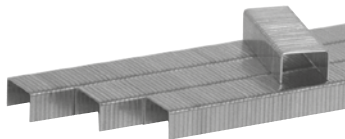
- Aluminium paper
- Cardboards
- Base materials
- Vapour barrier film
- Thin materials

**CS5000** is a durable and balanced binding tool with adjustable impact force

**HT550C** is a high-quality impact stapler. Long life time due to only three moving parts. A rounded edge does not damage paper or base material.

### Technical specification:

Model:	CS5000	HT550C
Part no.:	309005	391446
Weight:	0.8 kg	0.9 kg
Dimensions (H x W):	170 x 187 mm	83 x 287 mm
Magazine capacity:	84 staples	84 staples
Staple range:	6-14 mm	6-8 mm
Staple crown width:	12.4 mm	12.4 mm
Wire thickness:	1.3 x 0.5 mm	1.3 x 0.5 mm



## DF50 staples

Staple range	Pcs/box	Boxes/retail packaging	Part no.
<b>GALVANISED</b>			
6 mm	5.000	20	312269
8 mm	5.000	20	392861
10 mm	5.000	15	312271
12 mm	5.000	15	312272
14 mm	5.000	9	312273
<b>STAINLESS STEEL A2</b>			
10 mm	5.000	15	391330

## Staple hammer for R11 staples

- Aluminium paper
- Cardboards
- Base materials
- Vapour barrier film
- Thin materials

**HT11** impact nailer for those, who want to use Rapid 140 staples. Lighter than HT550C.

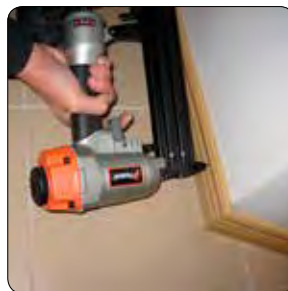
### Technical specification:

Model:	HT11
Part no.:	575424
Weight:	1.5 kg
Dimensions (H x L x W):	55 x 43 x 300 mm
Magazine capacity:	168 staples
Staple range:	6-10 mm
Staple crown width:	10.6 mm
Wire thickness:	0.89 x 1.25 mm

## R11 staples

Staple range	Pcs/box	Boxes/retail packaging	Part no.
<b>GALVANISED</b>			
10 mm	4.000	25	112208





## Compressor: 6 l / 8 bar

- Strap installation
- Installation of coverings
- Installation of sheathing boards
- Jobs requiring less air

Proline 115 is a small and quiet compressor for fine finish nailing. It suits the best for jobs, where fine finish nailers and staplers consuming little air are used. Offers quiet operation due to low rpm of the compressor. A tool with small dimensions can be easily transported to the site. Feet with padded suction cups protect floor surface from scratches.

### Technical specification:

Product code	129991
Type	PROLINE 115/6-8 S
External dimensions H x L x W, cm	50 x 45 x 19
Air tank volume, l	6
Portability	portable
Power, hp	1
Power, kW	0.75
Pressure switch type	Condor, MDR 2
Motor rpm	1400
Lubrication	oil-free
Max. operating pressure, bar	8
No. of cylinders	1
Free air delivery, l/min.	115
Air delivery at 6 bar, l/min.	47
Voltage/Frequency, V/Hz	230/50
Amperage, A	4
Air output connectors	1
Weight, kg	15
Weight incl. packaging, kg	17
EN12549 Lwa, 1s, 1m UoM	66
dB(A)	



### Light

Easy to carry and transport in the luggage compartment of a passenger car for example.



### Oil-free

No trouble with changing oil or oil getting in the valves during transport.



### Quiet

Great to be used at repair sites.



### Recommended nailers

- All fine finish nailers for moderate nailing jobs
- All staplers consuming little air



## Compressor + fine finish nailer

- Strap installation
- Installation of coverings
- Installation of sheathing boards
- Jobs requiring less air

Proline 160 is a small compressor for fine finish nailing. It suits the best for jobs, where fine finish nailers and staplers consuming little air are used. Given to its small dimensions it suits the best for lighter jobs. Suits well also for professional use, however is not meant for everyday use. Easy to transport to the site. Padded feet protect the floor surface from scratches.

### Technical specification:

Set code	152931
Set content	PROLINE 160/6-8 FN1850.1 (see page 33) pneumatic hose 1/4" 8 mm x 15 m
Compressor's H x L x W, cm	37 x 45 x 41,5
Air tank volume, l	6
Portability	portable
Power, hp	1.5
Power, kW	1.1
Pressure switch type	mini pressure switch
Motor rpm	3400
Lubrication	oil-free
Max. operating pressure, bar	8
No. of cylinders	1
Free air delivery, l/min.	159
Air delivery at 6 bar, l/min.	64
Voltage/Frequency, V/Hz	230/50
Amperage, A	5
Air output connectors	1/4" x 1
Compressor weight, kg	9,5
Set weight, kg	14
EN12549 Lwa, 1s, 1m UoM dB(A)	95



### Light

It is easy to carry and transport the compressor in the luggage compartment of a passenger car for example.



### Oil-free

No trouble with changing oil or oil getting in the valves during transport.



**PROLINE 160/6-8  
+ FN1850.1 (see page 37)  
+ pneumatic hose 1/4" 8 mm x 15 m**

Product code	152931
Packaging weight	14 kg



### Recommended nailers

- All fine finish nailers for moderate nailing jobs
- All staplers consuming little air



## Compressor: 10 l / 10 bar

- Interior nailing
- Anchoring and frame nailing
- External façade nailing
- Cardboard and sheet metal nailing

Proline 215 is a small 10-bar compressor with a 10-litre air tank. This oil-free compressor is great as a general compressor at a construction site and also as a universal tool for hobby users. For everyday professional use or for bigger nails we recommend obtaining a bigger model.

### Technical specification:

Product code	152100
Type	PROLINE 215/10-10
External dimensions H x L x W, cm	63 x 40 x 32
Air tank volume, l	10
Portability	Wheels + drawbar
Power, hp	2
Power, kW	1.5
Pressure switch type	Condor MDR 2
Motor rpm	2850
Lubrication	oil-free
Max. operating pressure, bar	10
No. of cylinders	1
Free air delivery, l/min.	215
Air delivery at 6 bar, l/min.	130
Voltage/Frequency, V/Hz	230/50
Amperage, A	-
Air output connectors	1/4" x 1
Weight, kg	26
Weight incl. packaging, kg	29
EN12549 Lwa, 1s, 1m UoM	95
dB(A)	



### Compact

Easy to transport in the luggage compartment of a car.



### Oil-free

No trouble with changing oil or oil getting in the valves during transport.



### Large solid rubber tyres and a drawbar.

A very portable compressor.



### Recommended nailers

- All fine finish nailers
- Small staplers
- Framing and coil magazine nailers (operation speed has to be taken into account)



## Compressor: 20 l / 10 bar

- All interior nailing applications
- Anchoring and frame nailing
- External façade nailing
- Cardboard and sheet metal nailing

Due to two cylinders and low rotation speed, Proline 248 is very easy to use. A rotating plate of the tool can be used as a drawbar, if necessary. With Proline 248 all nailing jobs at the construction site can be done with one or two tools. When using two nailers we recommend to check air volume.

### Technical specification:

Product code	152160
Type	PROLINE 248/20-10
External dimensions H x L x W, cm	108 x 55 x 57
Air tank volume, l	20
Portability	Wheels + drawbar
Power, hp	2.5
Power, kW	2
Pressure switch type	-
Motor rpm	1450
Lubrication	oil-free
Max. operating pressure, bar	10.5
No. of cylinders	2
Free air delivery, l/min.	248
Air delivery at 6 bar, l/min.	170
Voltage/Frequency, V/Hz	230/50
Amperage, A	8.1
Air output connectors	1/4" x 2
Weight, kg	51
Weight incl. packaging, kg	54
EN12549 Lwa, 1s, 1m UoM	73
dB(A)	



### Compact, rotating plate/drawbar

Easy to transport by a long drawbar, which can be conveniently turned back as a cover of the compressor.



### Oil-free

No trouble with changing oil or oil getting in the valves during transport.



### Large solid rubber tyres.

A very portable compressor.



### Two cylinders

Produces much air also in low rpm.



### Recommended nailers

- All fine finish nailers
- All staplers
- Framing and coil magazine nailers (operation speed has to be taken into account)



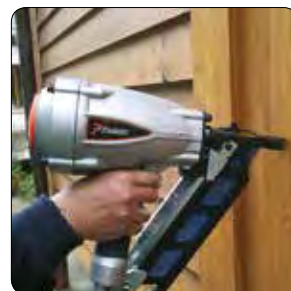
## Compressor: 24 l / 10 bar

- For all nailing applications in building construction

Proline 330 is provided with an oil-free Gentilin's patented two-cylinder pump, which has a very long service life. The low current consumption recoiling system is wear resistant. The compressor produces sufficient air for all nailing applications at the construction site and it is the best choice, if you need much air, you nail rapidly with two nailers and you would like to use an oil-free compressor. The product is made from high-quality parts and it will ensure many years of continuous use.

### Technical specification:

Product code	152161
Type	PROLINE 330/24-10
External dimensions H x L x W, cm	85 x 57 x 51
Air tank volume, l	24
Portability	wheels + drawbar
Power, hp	2,75
Power, kW	2,05
Pressure switch type	Condor MDR 2
Motor rpm	1400
Lubrication	Oil-free
Max. operating pressure, bar	10.5
No. of cylinders	2
Free air delivery, l/min.	330
Air delivery at 6 bar, l/min.	230
Voltage/Frequency, V/Hz	230/50
Air output connectors	1/4" x 2
Weight, kg	35
EN12549 Lwa, 1s, 1m UoM dB(A)	79



### Room saving structure

A compact structure takes very little space.



### Oil-free

No trouble with changing oil or oil getting in the valves during transport.



### Two cylinders

Produces much air also in low rpm.



### A large air tank

Functions as a good air reservoir and does not overload the motor.



### Recommended nailers

- All fine finish nailers
- All staplers
- Framing and coil magazine nailers (nailing speed and air consumption of the nailer has to be taken into account)



### Pneumatic hoses

Description	Part number:
Reinforced 1/4" PU pneumatic hose with a quick-coupler. Length 15 m. For fine finish nailers with air consumption less than 1.3 litres.	120006
Reinforced 3/8" PU pneumatic hose with a quick-coupler. Length 15 m. For fine finish nailers with air consumption 1.5-3.0 litres.	120007

### Lubrication

Description	Part number:
Pneumatic nailer oil, 1 l	576216
Pneumatic nailer oil sprayer, 0.5 l	151299

## PASLODE OIL SPRAY

pneumatic tools

- » NSF approval
- » Advanced and of high-quality
- » Protects from corrosion
- » Does not cause discoloration
- » Odourless
- » Does not cause pollution
- » Transparent, does not flow
- » Resists flushing with water and steam

One product for lubricating all pneumatic tools!



Part number 151299

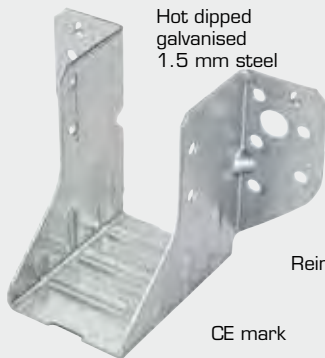
An excellent choice for Paslode, Duo-Fast and

Haubold pneumatic tools



# POWERLINE

## Joist hanger



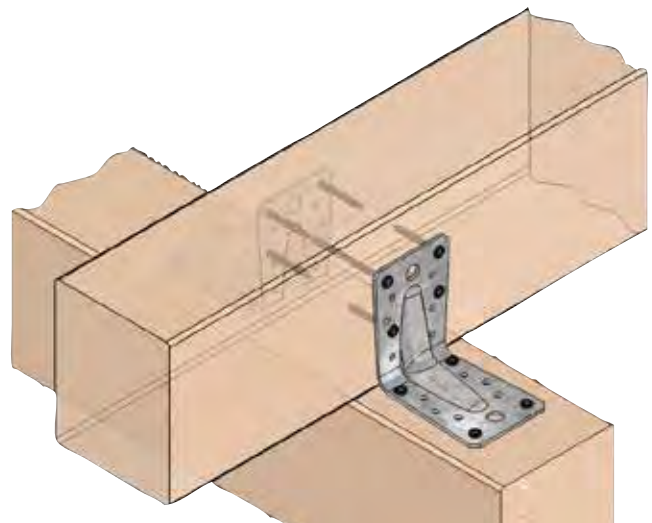
Hot dipped galvanised 1.5 mm steel

Minimum 25% lighter

Sharp brushes ensure strong tie.

Reinforced corners.

CE mark



## Assembly tape



Up to 55% lighter

0.9 mm plate thickness



Weight only 7.2 kg (25 m roll)

Edged holes strengthen the structure.

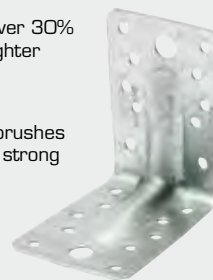
Clear length marking every 1/2 meters.

## Try square



Over 30% lighter

Sharp brushes ensure strong tie.



Hot dipped galvanised 1.5 mm steel

POWERLINE try squares are easy to recognise.



Ø 5 and Ø 11 holes for screw or bolt connections

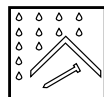
Construction fasteners

# OVER 30% LIGHTER BUT THE SAME DURABILITY

Fasteners belonging to Powerline product family possessing European Technical Approval (ETA) are made from high-quality steel. Thanks to this they weigh minimum 25% less and are even up to 50% smaller than competitive products, without compromising in durability and safety. The load-bearing capacity of all Powerline fasteners is at least the same as similar heavier fasteners.

Made from 1.5 mm hot-galvanised steel (275 g zinc / m<sup>2</sup>, corresponds to approx.  $\mu$  20  $\mu$ m). Class of performance 2 means that they are suitable to be used in ventilated structures protected from rain (for example unheated garages or warehouses).

European Technical Approval 07/0212.



For European Technical Approval and more detailed technical specification see [www.itwconstruction.ee](http://www.itwconstruction.ee)



## Try squares

For anchoring ceiling-beams and console connections of

poles and beams for example. Power Line try squares



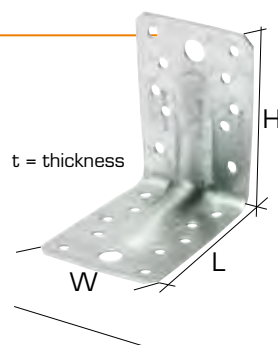
**Class of performance 2**  
Protected from rain



**Class of performance 3**  
In the rain or humid interior room

provide the same strong fastening, although the products

themselves are 35–40% lighter. Manufactured in



Denmark.

Hole Ø 11 mm

**Class of performance**



DoP 701.2



Type	H × L × t × W	Pcs/box	Boxes/pallet	Part number:
V2 PL	90 × 90 × 1.5 × 65, reinforced	50	64	214780

Hole Ø 11 mm

**Class of performance**



DoP 701.2



Type	H × L × t × W	Pcs/box	Boxes/pallet	Part number:
V2	90 × 90 × 2.5 × 65, reinforced	50	60	210780



Hole Ø 11 mm

**Class of performance**



DoP 701.2



Type	H × L × t × W	Pcs/box	Boxes/pallet	Part number:
V4 PL	105 × 105 × 2,0 × 90, reinforced	25	64	214782

Hole Ø 11 mm

**Class of performance**



DoP 701.2



Type	H × L × t × W	Pcs/box	Boxes/pallet	Part number:
V3	105 × 105 × 3,0 × 90	35	64	210681

Hole Ø 12 × 30 mm  
Hole Ø 5 × 30 mm

**Class of performance**



DoP 701.2



Type	H × L × t × W	Pcs/box	Boxes/pallet	Part number:
P2-12	90 × 60 × 2.5 × 90, reinforced	50	40	211386

Hole Ø 11 mm

**Class of performance**



DoP 701.2



Type	H × L × t × W	Pcs/box	Boxes/pallet	Part number:
V4	105 × 105 × 3.0 × 90, reinforced	25	64	210782

Hole Ø 11 mm

**Class of performance**



DoP 701.2



Type	H × L × t × W	Pcs/box	Boxes/pallet	Part number:
V1	90 × 90 × 2.5 × 65	50	80	210779

**Class of performance**



DoP 701.2



Type	H × L × t × W	Pcs/box	Boxes/pallet	Part number:
V15	120 × 90 × 3,0 × 40	50	64	211062



Hole Ø 9 mm



DoP 701.2



**Class of performance**

Type	H x L x t x W	Pcs/box	Boxes/pallet	Part number:
V6	70 x 70 x 2,0 x 55	50	32	210910

**Class of performance 2**



Type	H x L x t x W	Pcs/box	Boxes/pallet	Part number:
M1	40 x 40 x 2,0 x 20	100	80	211056

Hole Ø 9 mm



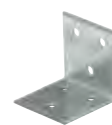
DoP 701.2



**Class of performance**

Type	H x L x t x W	Pcs/box	Boxes/pallet	Part number:
V7	70 x 70 x 2,0 x 55	50		210911

**Class of performance 2**



Type	H x L x t x W	Pcs/box	Boxes/pallet	Part number:
M2	40 x 40 x 2,0 x 40	100	80	211387

Hole Ø 11 mm



DoP 701.2



**Class of performance**

Type	H x L x t x W	Pcs/box	Boxes/pallet	Part number:
V10	90 x 90 x 3,0 x 40	70	32	210684

**Class of performance 2**



	H x L x t x W	Pcs/box	Boxes/pallet	Part number:
	40 x 40 x 2,5 x 40	100	32	211073
	60 x 60 x 2,5 x 40	100	80	211074
	60 x 60 x 2,5 x 60	100	80	211076

Hole Ø 10 mm



**Class of performance**

Type	H x L x t x W	Pcs/box	Boxes/pallet	Part number:
S35	50 x 50 x 2,5 x 35	100	80	211051



Hole Ø 10 mm



**Class of performance 2**



Type	H x L x t x W	Pcs/box	Boxes/pallet	Part number:
S35 PL	50 x 50 x 1,5 x 35	100	80	214053

## Try squares, stainless steel

Stainless steel, A4  
Hole Ø 11 mm



DoP 701.2



**Class of performance 3**

Type	H x L x t x W	Pcs/box	Part number:
V2	90 x 90 x 2,5 x 65, reinforced, A4	25	210809

Steel: AISI 316

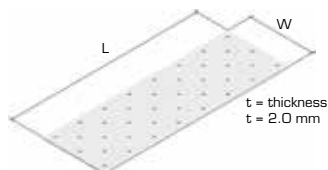
Stainless steel, A4  
Hole Ø 10 mm



**Class of performance 3**



Type	H x L x t x W	Pcs/box	Part number:
S35	50 x 50 x 2,0 x 35, A4	20	213052



## Punched metal plate fasteners



For fastening rafters and joining beams

**Class of performance 2**

W × L × t (mm)	Pcs/box	DoP*	Part number:
<b>THICKNESS: 2 MM</b>			
40 × 120 × 2	100	700	210769
40 × 160 × 2	100	700	210872
50 × 200 × 2	50	700	211160
60 × 200 × 2	50	700	211163
80 × 200 × 2	50	700	210873
80 × 240 × 2	25	700	211167
80 × 300 × 2	25	700	211169
100 × 200 × 2	25	700	211171
100 × 300 × 2	25	700	211175
140 × 400 × 2	20	700	211181

\* Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)



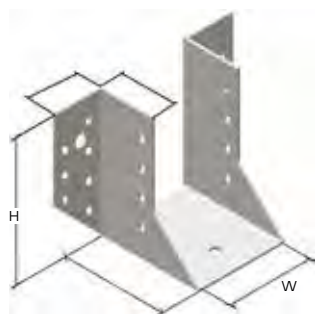
## Joist hangers

For fastening wooden beams.

**Class of performance 2**

W × L × t (mm)	Beam height	Pcs/box	Boxes/pallet	DoP*	Part number:
<b>EDGES OUTSIDE. CLASS OF PERFORMANCE 2</b>					
45 × 88 × 1.5, POWERLINE	90-125	10	91	703.2	212909
45 × 123 × 1.5, POWERLINE	125-177	10	78	703.2	212910
45 × 168 × 1.5, POWERLINE	170-245	10	78	703.2	212911
48 × 86 × 1.5, POWERLINE	90-125	10	91	703.2	212912
48 × 121 × 1.5, POWERLINE	125-177	10	78	703.2	212913
48 × 166 × 1.5, POWERLINE	170-245	10	78	703.2	212914
51 × 84 × 1.5, POWERLINE	90-125	10	91	703.2	212915
51 × 119 × 1.5, POWERLINE	125-177	10	78	703.2	212916
51 × 164 × 1.5, POWERLINE	170-245	10	78	703.2	212917

\* Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)



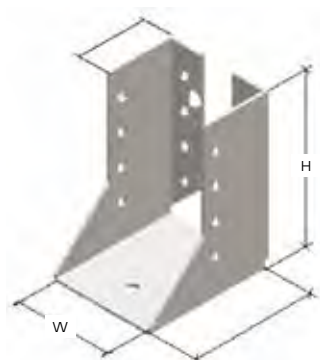
## Joist hangers



For fastening wooden beams.

**Class of performance 2 or 3**

W × L × t (mm)	Pcs/box	Boxes/pallet	Part number:
<b>EDGES OUTSIDE. CLASS OF PERFORMANCE 2</b>			
76 × 152 × 2.5	25	21	212355
90 × 145 × 2.5	25	21	212360
<b>EDGES OUTSIDE. ACID-PROOF, A4. CLASS OF PERFORMANCE 3</b>			
51 × 94 × 2.5, A4	50		210815
<b>EDGES INSIDE. CLASS OF PERFORMANCE 2</b>			
48 × 96 × 2	40		212378
51 × 94 × 2.5	40		212382
<b>EDGES INSIDE. ACID-PROOF, A4. CLASS OF PERFORMANCE 3</b>			
51 × 94 × 2.5, A4	50		210816



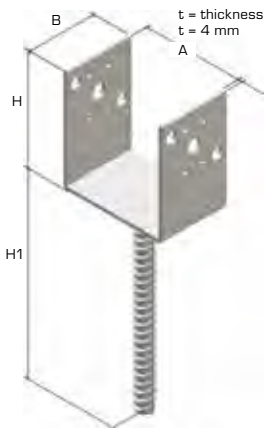


## Pole holders

For fastening poles.



**Class of performance**  
**3**



A × B × H + H1 (mm)	Type	Rod Ø, mm	Pcs/box	DoP*	Part number:
<b>U-HOLDER, HOT-GALVANISED, 55µ.</b>					
<b>CLASS OF PERFORMANCE 3</b>					
50 × 40 × 100 + 200	U40	16	20	705.2	210843
75 × 70 × 125 + 200	U70	16	10	705.2	210844
100 × 70 × 112.5 + 200	U70	16	10	705.2	210845
115 × 90 × 180 + 200	U90	24	10	705.2	210897
140 × 90 × 200 + 200	U90	24	10	705.2	210899

\* Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)



H × W × t × L (mm)	Type	Pcs/box	DoP*	Part number:
<b>ADJUSTABLE POLE HOLDER, HOT DIPPED GALVANISED, 55µ.</b>				
<b>CLASS OF PERFORMANCE 3</b>				
75-115 × 70 × 115 + 115-165 VF	UHB2	single	705.2	212105

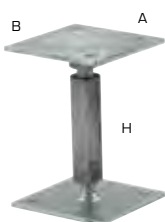
\* Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)

Adjustable width, 75-115 mm  
Adjustable height, 115-165 mm



D × B × H + H1	Type	Rod Ø, mm	Pcs/box	Part number:
<b>ADJUSTABLE POLE HOLDER, HOT DIPPED GALVANISED, 55µ.</b>				
<b>CLASS OF PERFORMANCE 3</b>				
75-115 × 70 × 115 + 315-365	UHB1	16	single	212106

Adjustable width, 75-115 mm  
Adjustable height, 315-365 mm  
No CE marking and no European Technical Approval.



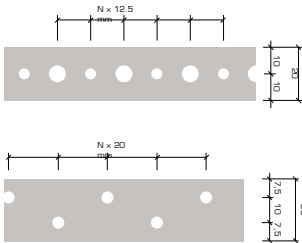
A × B × K (mm)	Type	Pcs/box	DoP*	Part number:
<b>ADJUSTABLE POLE HOLDER, HOT DIPPED GALVANISED, 55µ.</b>				
<b>CLASS OF PERFORMANCE 3</b>				
100 × 100 × 115-165 BH	BH-100	single	705.2	212107

\* Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)

Adjustable height, 115-165 mm



## Assembly tape

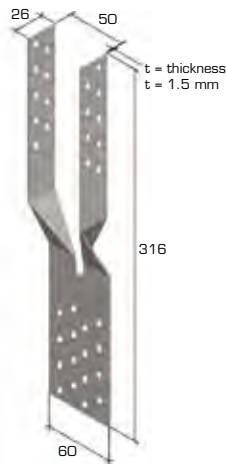


W x t (mm)	Meters in a roll	DoP*	Part number:
<b>WIDTH: 20 mm</b>			
20 x 1	25	700.2	210076
<b>WIDTH: 25 mm</b>			
25 x 2	25	700.2	210078
<b>WIDTH: 40 mm</b>			
40 x 2	25	700.2	210286
40 x 1.5, POWERLINE	25	700.2	210294

\* Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)

## Rafter fastener

For fastening rafters.



W x L x t (mm)	Holes, Ø 5 mm	Pcs/box	Part number:
50 x 60 x 320 x 1,5	18 + 16	25	210840



## Nails and screws

Single nails and screws for fixing fasteners.



## Anchor nails

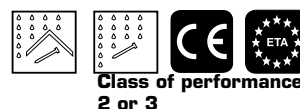


Ø × length (mm)	Pcs/box	Class of performance 2 or 3			
		DoP*	Part number:		
<b>HOT DIPPED GALVANISED. CLASS OF PERFORMANCE 3.</b>					
4 × 40	250	600	139529		
Ø × length (mm)	Pcs/box	Class of performance 2			
		<b>GALV - PLUS®. CLASS OF PERFORMANCE 2.</b>			
		4 × 40	250	600	139525
		4 × 50	250	600	139527
4 × 60	250	600	139528		
Ø × length (mm)	Pcs/box	Class of performance 3			
		DoP*	Part number:		
<b>ACID-PROOF, A4. CLASS OF PERFORMANCE 3.</b>					
4 × 40	250	600	139530		

\* Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)



## Anchor screws



Ø × length (mm)	Head	Pcs/box	DoP*	Part number:
<b>GALVANISED, MIN. 12µm. CLASS OF PERFORMANCE 2.</b>				
5 × 40 mm	TX20	250	300	153169
<b>ACID-PROOF, A4. CLASS OF PERFORMANCE 3.</b>				
5 × 40 mm	TX20	250	300	153172

TwinCut®  
-tip prevents splitting of wood



Twin thread for double fast fastening, increases torque up to 40%.

PPN50Ci Lithium  
Anchor nailer  
40–50 mm  
page 9



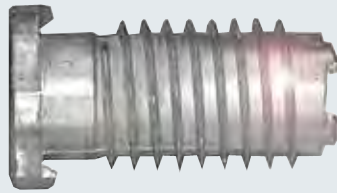


## A consumption table of nails and screws

The below presented values express estimated consumption, which can be used for calculating the needed quantity of fasteners. Also take into account some possible losses.

	Consumption	Unit	Suitable fastener
Timber frame structure	6 pieces	etc.	nail
Trusses	Always according to the designer's instructions		
Open sheeting	10 pieces	m <sup>2</sup>	nail
Purlins	10 pieces	m <sup>2</sup>	nail
Ventilation straps	4 pieces	etc.	nail
Matched board	20 pieces	m <sup>2</sup>	nail
Roofing felt	30 pieces	m <sup>2</sup>	nail
Cladding (horizontal or vertical)	30 pieces	m <sup>2</sup>	nail
Bottom board of Polish cladding	15 pieces	m <sup>2</sup>	nail
Top board of Polish cladding	15 pieces	m <sup>2</sup>	nail
Interior finishing material (gypsum plasterboard, particle board)	25 pieces	m <sup>2</sup>	screw or nail
Particle board floor	10 pieces	m <sup>2</sup>	screw or nail
Gypsum plasterboard interior ceiling, lattice frame with a pitch of 600 mm	10 pieces	m <sup>2</sup>	screw or nail screw
Interior boards, 100 mm, lattice frame with a pitch of 300 mm	45 pieces	m <sup>2</sup>	nail
Terrace board, lattice frame with a pitch of 600 mm	35 pieces	m <sup>2</sup>	screw or nail screw
Fence	5-10 pieces	m <sup>2</sup>	nail
Strap installation	6 pieces	etc.	nail

## ORIGINAL



Adjufix method is used to fasten window and doorframes quickly and easily without wedges.

The one-of-a-kind frame sleeve made in Sweden is galvanised and is provided with a DNV certificate.

Adjufix sleeves enable a durable structure to be created. This solution is also well-known to the leading Swedish window manufacturers.

## FRAME FASTENERS

Installation instructions \_\_\_\_\_ 61

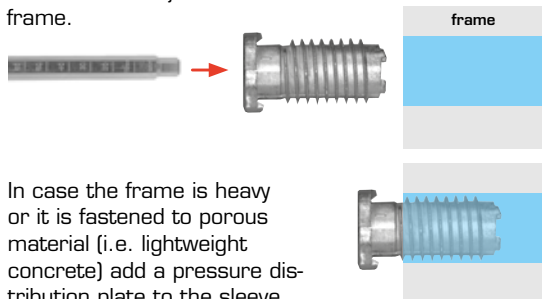
Adjufix sleeves, screws and accessories \_\_\_ 61-63





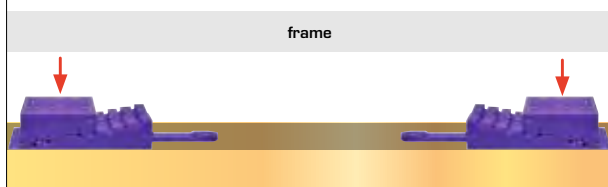
### Do as follows:

1. The frame must be provided with a through-hole with a length of 12–14 mm. The sleeve is fastened in the hole with Adjufix installation tool from outside of the frame.

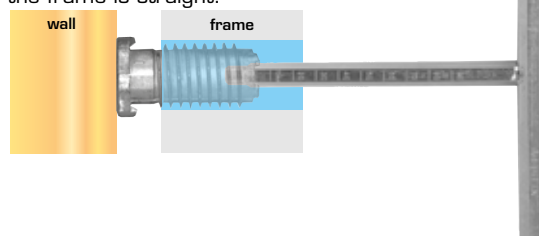


In case the frame is heavy or it is fastened to porous material (i.e. lightweight concrete) add a pressure distribution plate to the sleeve.

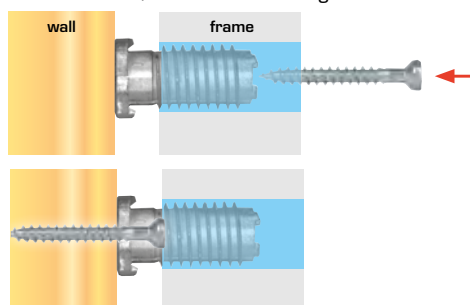
2. Place level adjustment blocks under the frame. Adjust the blocks to equal height and thereat fix with nails or screws.



3. Lift the frame in its place and using the same Adjufix tool turn the sleeve from inside of the frame to fasten the frame to the wall. Check that the diagonals of the frame are equal and the frame is straight.



4. Fasten Adjufix screws through the sleeve. Choose the screws suitable for the fastening material. When mounting to concrete or other rock material, drill a hole through the sleeve.



5. The frame can still be adjusted. By releasing the screw, adjusting the sleeve and fastening the screw once again the frame can be installed precisely and safely.

**Attention!** It is important that the gap between the frame and wall is insulated with flexible insulation material (not with polyurethane foam). In such a way the frame can be adjusted also later, if necessary.

### Sleeves

#### For a wooden frame



##### Sleeves for a wooden frame

Length, mm	Pcs/box	Boxes/del.pack	Part number:
28	100	6	120081
28	500	1	120094
38	100	6	120083
38	500	1	120096

Suitable for 12–14 mm hole, for easier fastening 14 mm is recommended. Choose as long sleeve as possible.

**Frame thickness 30 mm:** choose 28 mm sleeve, the adjustment range of which is 0–13 mm outside of the frame surface.

**Frame thickness 35 mm:** choose 33 mm sleeve, the adjustment range of which is 0–18 mm outside of the frame surface.

**Frame thickness 40 mm:** choose 38 mm sleeve, the adjustment range of which is 0–23 mm outside of the frame surface.

In case even the longest sleeve is not sufficient, the sleeve can be extended with an extension element (10 mm). See Adjufix accessories.

##### A sleeve for connecting wooden frames



Length, mm	Pcs/box	Boxes/del.pack	Part number:
38	50	8	120097

For connecting two wooden frames with 10 mm Allen wrench.

#### For plastic, aluminium and steel frame

##### Sleeves for plastic, aluminium and steel frames



Length, mm	Pcs/box	Boxes/del.pack	Part number:
28	500	1	120125
38	500	1	120126

A sleeve for aluminium, plastic or steel frames. The sleeve has M16 male thread. Adjustment range 20 mm or 30 mm.

##### Sleeves for plastic, aluminium and steel frames



Length, mm	Pcs/box	Boxes/del.pack	Part number:
28	500	1	120127
38	500	1	120128

A sleeve for fastening together with PHM installation ring to plastic or aluminium frame. Adjustment range 20 mm or 30 mm.

##### Installation ring



Pcs/box	Boxes/del.pack	Part number:
500	1	120129

An installation ring to be used with PH sleeves. Installation opening 18 mm.

## Screws

Choose the screws suitable for the fastening material. After the frame has been installed in its place, use a screw and fasten the frame through the sleeve from inside the frame.



### Screws for fastening a standard frame to a wooden frame

Ø x length, mm	Pcs/box	Boxes/del.pack		Part number:
6 x 50	100	24		120101
6 x 65	100	8		120102

For normal sized window and doorframes. Torx 25.



### For lightweight concrete, aerated bricks and Leca blocks use screws and nylon dowels.

Ø x length, mm	Pcs/box	Boxes/del.pack		Part number:
8 x 100	50	6		120112

The dowel is specially designed so that it can be installed through Adjufix sleeve. Drill bit Ø 8 mm, Torx 25.



### Screws for fastening a heavy frame to a wooden frame

Ø x length, mm	Pcs /box	Boxes/del.pack		Part number:
8 x 64	8	60		120065
8 x 64	100	8		120103

For heavy window and doorframes. Torx 30.



### Screws for lightweight concrete, aerated bricks and Leca blocks.

Ø x length, mm	Pcs /box	Boxes/del.pack		Part number:
7.5 x 125	8	14		123822
7.5 x 125	100	8		120458

Drill bit Ø 6 mm for aerated bricks. The aerated concrete and Leca block do not have to be pre-drilled. Torx 30.



### Screws and nylon dowels for concrete and solid bricks.

Ø x length, mm	Pcs /box	Boxes/del.pack		Part number:
8 x 60	100	6		120109
8 x 80	100	6		120111

The dowel is specially designed so that it can be installed through Adjufix sleeve. Drill bit, Ø 8 mm, Torx 25.



### Self-drilling screws for steel

Ø x length, mm	Pcs /box	Boxes/del.pack		Part number:
5,4 x 32	8	80		120213
5,4 x 32	100	24		120105
5,4 x 50	100	24		120104

For steel profile 1.0–2.5 mm. Torx 25.



### Screws for concrete and solid bricks.

Ø x length, mm	Pcs /box	Boxes/del.pack		Part number:
7.5 x 50	100	8		120456
7.5 x 70	100	8		120457

Drill bit, Ø 6 mm. Torx 30.



### Self-drilling screws for steel

Ø x length, mm	Pcs/box	Boxes/del.pack		Part number:
6,7 x 42	100	24		120106

For steel profile 1.0–3.5 mm. For steel profile 3.5–5 mm a hole Ø 5.8 mm is drilled. Torx 30.

## Accessories

See user guides of accessories on previous pages.



### Adjustable heightening element

Pcs/box	Boxes/ del. pack	Part number:
4	14	120122
20	6	120107

An adjustable heightening element to be installed under 10-17 mm frame to support the frame in horizontal direction.



### Plug

Colour	Pcs/box	Part number:
Light brown	200	120243
White	200	120076

Ø 14/19 mm.



### Pressure washer

Pcs/box	Boxes/ del. pack	Part number:
100	6	120099

A pressure washer is installed together with a sleeve, when installing a heavy window or door. Also when fastening to lightweight concrete, aerated brick or Leca block.



### Heightening element

Pcs/box	Boxes/ del. pack	Part number:
200	6	120098

Fasten 10 mm heightening element to the sleeve, when the installation gap is bigger than the installation reserve of the sleeve (23 mm). Depending on the length of the fastening screw use maximum two heightening elements per sleeve.

## Frame installation tools

For adjusting sleeves and tensioning of Adjufix screws use the below listed tools.



### Ratchet 8 + 10 mm

Pcs/box	Part number:
1	120089



### Adjufix internal Allen-key

Pcs/box	Part number:
1	120078

A tool, which has:

- 8 mm hexagonal socket for fastening the sleeves in the frame
- 10 mm hexagonal socket for fastening the sleeves out from the frame
- Screw head magnet holder



### Adjufix sleeve installation blade

Pcs/box	Part number:
1	120093

A tool to be connected to a screwdriver and to be used for installing a sleeve in the frame quickly, horizontally and to the required depth. Adjustable installation depth.



### Hexagonal tip

Pcs/box	Part number:
1	AMB

Hexagonal tip M8 x 50 mm guides the sleeve during fastening.



# ORIGINAL



Almost 25 years ago Spita introduced to the market the world's first gas-powered Pulsa nailer for fastening steel and concrete fasteners.

Spita is well-known in its birth place France, as concrete is a widely used construction material there. Numerous specialists in Spita have been developing and manufacturing various solutions in the field of concrete, steel and gypsum plasterboard fasteners since the 1950s.

SPIT: Société de Prospection et d'Inventions Techniques

## FASTENING AND DRILLING TO AND IN CONCRETE AND STEEL.

Impulse fasteners, nails and fastening accessories 66-69

Nail shooting, nails

and fastening accessories \_\_\_\_\_ 70-72

Screwdrivers and collated screws \_\_\_\_\_ 73-75

Drill, combi and spike hammers \_\_\_\_\_ 76-84

Angle grinders and concrete grinding

tools + discs \_\_\_\_\_ 85-86

Beading routers + discs \_\_\_\_\_ 87

Vacuum cleaners \_\_\_\_\_ 88

Fasteners \_\_\_\_\_ 89-135

Chemical anchoring \_\_\_\_\_ 128-135

Drill bits, chisels and spikes \_\_\_\_\_ 136-141





## Cordless impulse nailers for steel, rock and concrete surfaces

- Steel and wooden framework
- Plaster grids
- Ceiling rails
- Finishing panels
- Insulation
- applications
- Façade applications
- Element casting formwork
- Fastening of an assembly tape on ventilation duct holders

Pulsa 800P+ for common steel, rock and concrete fasteners and Pulsa 800E especially for fastening cable, pipe and electrical systems. Very modern, dust resistant and durable. Safe fastening in deep grooves, ducts or cabinets. Also available with a long 50-nail magazine. With a lithium battery up to 3000 consecutive shots.

### Technical specification:

Part number: 800P+ and 800E	018342 and 018340
Weight:	3.8 kg
Dimensions:	396 x 309 mm
Fuel cell life:	approx. 600 shots
Shots per charge:	approx. 3000
Battery charging time:	90 min.
Nail range:	15–40 mm
Impact force 800P+ and 800E	100 and 82 J
Vibration:	4.5 ±1.0 m/s <sup>2</sup>

Accessories:	Part number:
Pulsa 800 pin	018424
Pulsa 800E pin	018423
Magnetic pin for a base plate	014641
Magnetic pin for P-CLIP	014642
A washer for a plaster grid fastener. Ø 25 mm. 1000 pcs/box	011204
A set of cleaning accessories	013690
50 pin magazine (with a support foot)	014640
20 pin magazine (with a support foot)	014623
3.7 V, 2.2 Ah lithium battery	018483
Battery charger for a lithium battery	018482
Pulsa800 fuel cell (2 pcs/package)	011773



### Toolless tip replacement

Four different tips for fastening any fasteners (compatible with models 800P+ and 800E)



### Clear LED display

Battery and fuel cell capacity is visible, the saving function switches the device automatically off, when not in use.



### A wide range of application temperatures.

Thanks to an innovative gas technology works problem-free also in temperatures -15°C and +49°C.



### Keyless depth adjustment

Nailing depth can be adjusted without tools, also with gloved hands.

Sold in a comfortable carry case, which contains also a lithium battery, charger, safety glasses and a user manual.



## Modified atmosphere nail packaging

For common and hard concrete and steel and rock.

Length	Pcs/box	Boxes/ packaging	Part number:
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### C6 NAILS + FUEL CELLS FOR CONCRETE/ROCK



20 mm	1500 + 3 fuel cells	4	057545
25 mm	1500 + 3 fuel cells	4	057546
30 mm	1500 + 3 fuel cells	4	057547
35 mm	1500 + 3 fuel cells	4	057548
40 mm	1500 + 3 fuel cells	4	057549

### HC6 NAILS + FUEL CELLS HARD CONCRETE/STEEL/ROCK



Plastic strip of FH nails releases during nailing

15 mm	1500 + 3 fuel cells	4	057559
17 mm	500 + 1 fuel cell	10	057551
17 mm FH	500 + 1 fuel cell	10	057556
22 mm	500 + 1 fuel cell	10	057552
22 mm FH	500 + 1 fuel cell	10	057557
27 mm	500 + 1 fuel cell	10	057553
32 mm	500 + 1 fuel cell	10	057554

### CW6 CROCO NAILS + FUEL CELLS FOR FASTENING TO WOOD



## PULSA 800 NAILS HC6 NAILS AND C6 NAILS

Kinnitatava materjali paksum	10-5 mm					
	10-5 mm	15 mm	17 mm	22 mm	27 mm	32 mm
TERAS	HC6 15mm	HC6 15mm	HC6 17mm	HC6 22mm	HC6 27mm	HC6 32mm
KÕVA BETOON	HC6 17mm	-	HC6 22-27mm	HC6 27mm	HC6 32mm	-
BETOON & TELLIS	HC6 17mm	HC6 22-27mm	HC6 27mm	HC6 32mm	-	-
BETOON & TELLIS	C6 20-25mm	C6 25mm	C6 25-30mm	C6 35mm	C6 35-40mm	C6 40mm

Paigaldatav kinnitus	Paigaldatav kinnitus					
	CLIPLEC	E-CLIP	CT-CLIP	P-CLIP	METAL CLIPS	TRH CLIP*
TERAS	HC6 15-17	HC6 15-17	HC6 15-17	HC6 15		
KÕVA BETOON	HC6 17-22	HC6 22	HC6 17-22	HC6 17-22		
BETOON & TELLIS	HC6 22-27	HC6 27-32	HC6 22-32	HC6 22-32		
BETOON & TELLIS	C6 25-30	C6 30-35	C6 25-30	C6 20-25		



**Base material steel thickness:** • minimum 5 mm

• recommended static load = 120 kg

**Concrete:** • recommended static load = 25 kg

Recommended loads for HC6 nails	Material	Tension (kN)
	Steel S235, min. thickness 5 mm	1.2
Concrete C20/25	0.25	

## KVV fasteners and holders

For KVV fasteners we recommend to use E-pin.

Length	Pcs/box	Boxes/ packaging	Part number:
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### TRH-CLIP

#### THREADED ROD HOLDER

With a plastic washer, ø 35 mm



M6-M8	1000	6	011430
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### E-CLIP

#### PIPE HOLDER

Plastic, C-shaped



16 mm	100	12	567214
20 mm	100	12	565032
25 mm	100	12	565033
32 mm	50	12	565034
40 mm	50	12	565035
50 mm	50	12	567215

### CABLE HOLDER ARCS

Single-sided, 8 pcs/packaging



3 x 1.5 mm <sup>2</sup>	50	12	565915
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Double-sided, 16 pcs/packaging



3 x 1.5 mm <sup>2</sup>	25	12	565916
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### MULTICABLE CABLE HOLDER

30 mm	100		827155
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### CT-CLIP

#### LASTAV CABLE TIE

16-32 mm	100	12	565508
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### CLIPLEC

#### CABLE TIE HOLDER

Black	100	5	011203
Grey	100	5	053881



### P-CLIP

#### PIPE/CABLE HOLDER

Single-sided

16 mm	100	12	567206
20 mm	100	12	565082
22 mm	100	12	565083
25 mm	50	12	567208



Double-sided

16 mm	50	12	567209
20 mm	50	12	565086
22 mm	50	12	565087

From metal

16 mm	200	4	057495
20 mm	200	4	057496
25 mm	200	4	057497
32 mm	100	4	057498



## Cordless impulse nailer for insulation material fasteners

### ● Insulation applications

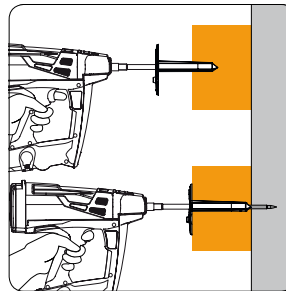
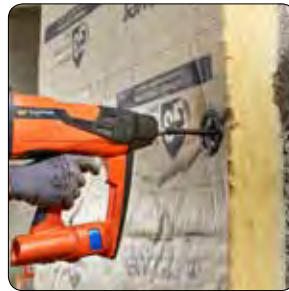
Pulsa InsulFast is a special version of Pulsa 800 impulse nailer for 60–200 mm insulation fasteners and is the first of its kind in Europe. With a cordless nailer the job is done 5-6 times more quickly than with traditional fastening methods and no pre-drilling is needed. The capacity of a lithium battery is up to 3000 consecutive shots.

#### Technical specification:

Part number:	018369
Weight:	3.8 kg
Fuel cell life:	approx. 600 shots
Shots per charge:	approx. 3000
Battery charging time:	90 min.
Impact force 800P+ and 800E	80 J
Vibration:	4.5 ±1.0 m/s <sup>2</sup>

#### Accessories:

Accessories:	Part number:
A set of cleaning accessories	013690
3.7 V, 2.2 Ah lithium battery	018483
Battery charger for a lithium battery	018482
Pulsa800 fuel cell (2 pcs/packaging)	011773



### Start & Go

Innovative movement sensor means no battery discharge when not in use. Up to 25% more shots per charge.



### Clear LED display

Battery and fuel cell capacity is visible, the saving function switches the device automatically off, when not in use.



### A wide range of application temperatures.

Thanks to an innovative gas technology works problem-free also in temperatures -15°C and +49°C.



Sold in a comfortable carry case, which contains also a lithium battery, charger, safety glasses and a user manual.



## Modified atmosphere nail packaging

For fastening insulation materials. Consumption 1 box = approx. 100 m<sup>2</sup>

Length	pcs + fuel cell/box	Part number:
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### INSULFAST INSULATION FASTENING NAILS FOR HARD CONCRETE

60 mm	500 + 1 fuel cell	060501
80 mm	500 + 1 fuel cell	060502
100 mm	500 + 1 fuel cell	060503
120 mm	500 + 1 fuel cell	060504
140 mm	500 + 1 fuel cell	060505
160 mm	500 + 1 fuel cell	060506
180 mm	500 + 1 fuel cell	060507
200 mm	500 + 1 fuel cell	060508



Two boxes per delivery unit (500 + 1 fuel cell).



## Multi-purpose cartridge nailer

- Insulation material fasteners
- Profile panels
- Grid fasteners
- Wooden framework fasteners
- Basic fasteners

In addition to common magazine and standard nailing applications Spitfire P370 nailer can also be adjusted for fastening insulation materials and grids. Rotating magazine provides access to more tricky places and seamlessly adjustable power increases application possibilities of the shots of the same force. Due to a big trigger can be easily used when wearing mittens.

### Technical specification:

Part number:	010530
Weight:	2.8 kg
Length:	455 mm
Nail capacity:	10 nails
Shots:	10 shot disc cartridge
Nail range:	15-60 mm (15-90 mm in single shot configuration)
Max. impact force:	350 J



For operating with a cartridge nailer a relevant licence is required. A representative of Spit offers training giving the right for a licence.

Sold in a comfortable carry case, which includes a nailer with one pin and one load option, cleaning accessories, raffle oil, splinter protection, safety glasses and a user manual.



### Rotating magazine

Easy access also to tricky areas.



### Easy maintenance

Long lifetime and excellent durability.



### Easy to use.

An ergonomic handle and a big trigger are easy to use also when wearing thicker work gloves.



### Minor recoil

Rubber padding reduces loads imposed to the user.

### Accessories:

Accessories:	Part number:
Raffle oil, 25 ml spray	310080
A set of cleaning accessories	074000
Piston	010984
Recoil spring (2 pcs/packaging)	010982
Insulation ring (2 pcs/packaging)	010983
A set of insulation fasteners CL6	011030
A set of nails with male thread: SA12	011033
CL6 and SA12 recoil springs (2 pcs/packaging)	011032

## Nails

Ring shank and single nails

Length	Pcs/box	Boxes/ packaging	Part number:
--------	---------	---------------------	--------------

### RING COIL NAIL T SC9 FOR CONCRETE/STEEL + 1 RECOIL SPRING



15 mm	500	5	011340
20 mm	500	5	011341
25 mm	500	5	011342
30 mm	500	5	011343
35 mm	500	5	011344
40 mm	300	5	011345
50 mm	300	5	011346
60 mm	300	5	011347

### SINGLE NAILS SC9 FOR CONCRETE/STEEL



70 mm	100	10	032890
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### SINGLE NAILS C9 FOR CONCRETE



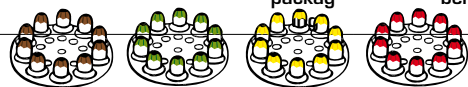
80 mm	100	10	032590
90 mm	100	10	032600



## Discs

For fastening to concrete use max. green charges.

Cal. 6,3/10	Pcs/box	Boxes/ packag-	Part num- ber:
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Brown	100	20	031740
Green	100	10	031600
Yellow	100	10	031700
Red	100	10	011658

## Insulation material fasteners

Length	Pcs/box	Boxes/ packaging	Part number:
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### CL6 INSULATION MATERIAL FASTENERS TO CON- CRETE



50 mm	200	-	038520
60 mm	200	-	038530
70 mm	200	-	038540
80 mm	200	-	038550
90 mm	100	-	038580
100 mm	100	-	038560
120 mm	100	-	038570

## Special nails

Length	Pcs/box	Box- es/ pack- aging	Part number:
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### CR9P PANEL NAILS TO CONCRETE

With a plastic washer, ø 35 mm



30 mm	200	-	038090
40 mm	200	-	038100
50 mm	200	-	038110

### C9-60 CASTING SUPPORT



C9-60 + 200 mm casting support	50	-	496710
C9-60 + 160 mm casting support	50	-	496750
C9-60 + 180 mm casting support	50	-	496760

### SBR9 SINGLE NAILS FOR FASTENING STRUCTURAL SHEET METAL

With a steel washer, ø 14 mm.



SBR9 - 20	100	10	032650
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## Nails with male thread

Check availability.

Dimensions	Pcs/box	Boxes/ packaging	Part number:
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### SA12 THREADED NAILS FOR STEEL



SA12-8 10/25	100	10	033750
SA12-8 15/30	100	10	033760

### RE-GRID FASTENER Tx40 Compatible with a product SA12-8.



RE-25	100	-	499610
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360° rotating magazine



## P560 cartridge nailer

### ● Profile panels to metal

P560 cartridge nailer is great for quick, precise and safe fastening of profile panels to floor, wall and ceiling. Automatic pin feed and re-charging saves time. Patented disc cartridge system prevents blank firing. Easy emptying and maintenance system.

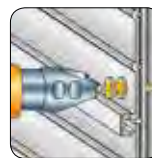
#### Technical specification:

<b>Model:</b>	<b>P560</b>
<b>Part number:</b>	013891
<b>Weight:</b>	4.23 kg
<b>Dimensions:</b>	277 × 363 × 77 mm
<b>Magazine:</b>	10 nails
<b>Impact force:</b>	520 J



For operating with a cartridge nailer a relevant licence is required. A representative of Spit offers training giving the right for a licence.

Accessories	Part number:
P560 piston ring, 3 pcs/package	014136
Piston P560	014137
A set of cleaning accessories	074000
Raffle oil, 25 ml spray	310080



### For fastening structural sheet metal

Fastenings to floor, wall and ceiling quickly and accurately.



### No unnecessary firing.

Patented disc cartridge system prevents blank firing.



### Magazine helps to save time

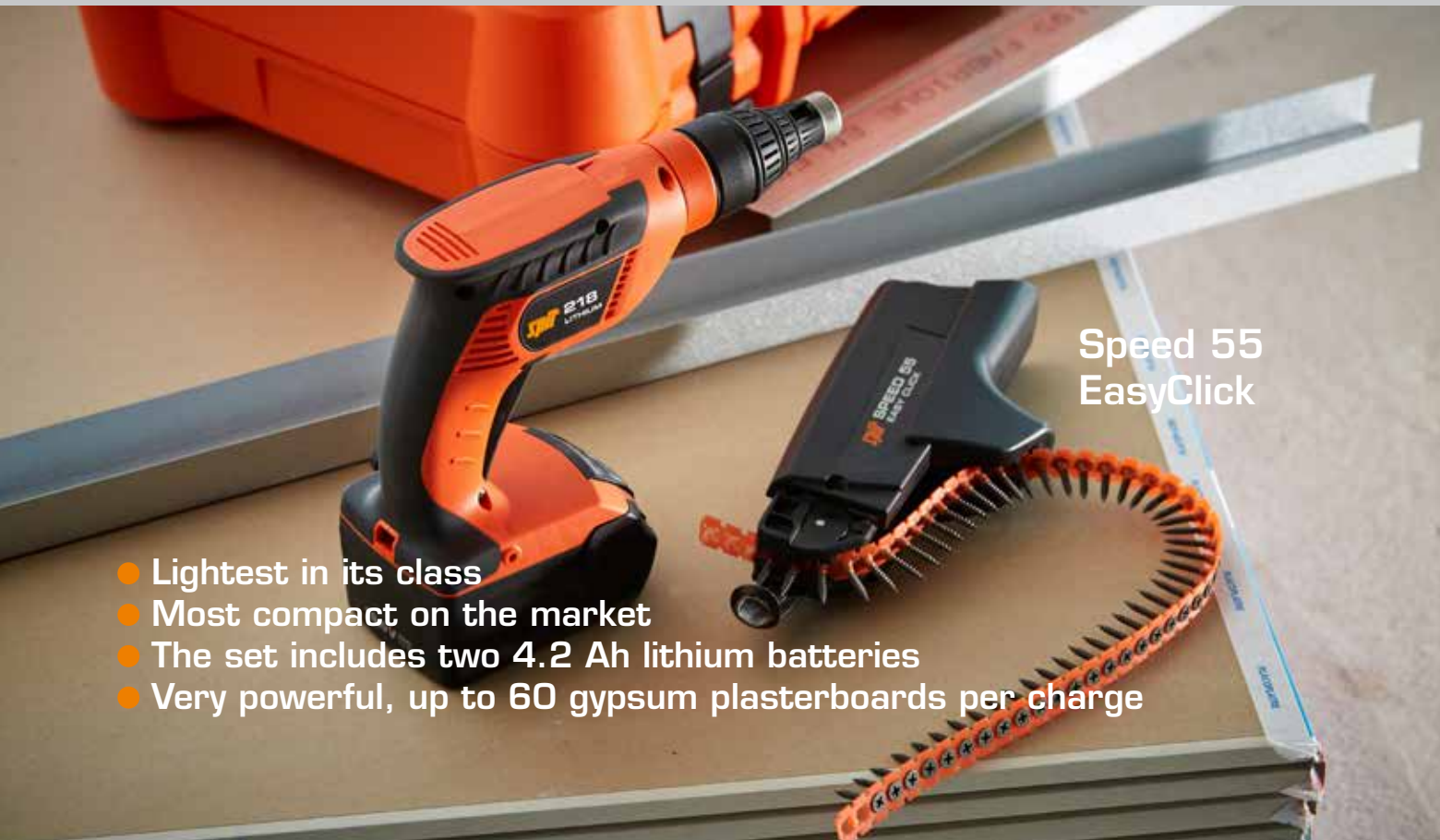
Thanks to ring shank nails to be loaded in the magazine P560 is one of the fastest cartridge nailers.

## Nails

Description	Nail range	Pcs/box	Part number:
<b>HSBR14 collated nails. CE marking.</b>			
HSBR14 - P560	25.6 mm	1000	053953

## Disc cartridges

Description	Calibre	Pcs/box	Boxes/ packaging	Part number:
YELLOW, weak	6,3/19	100	10	031240
BLUE, medium strength	6,3/18	100	10	031230
RED, strong	6,3/17	100	10	031220
BLACK, very strong	6,3/16	100	10	031210



Speed 55  
EasyClick

- Lightest in its class
- Most compact on the market
- The set includes two 4.2 Ah lithium batteries
- Very powerful, up to 60 gypsum plasterboards per charge

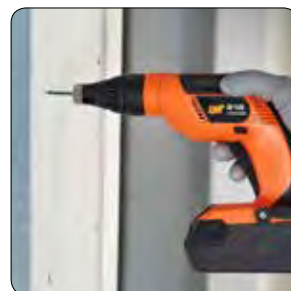
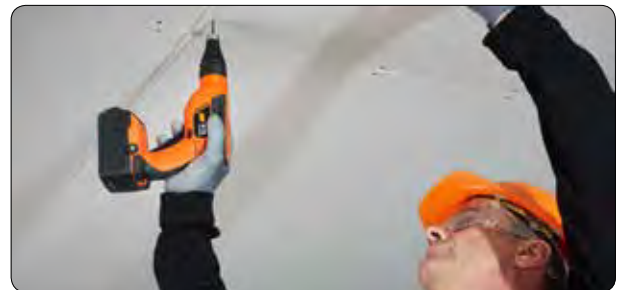
## A screwdriver with a lithium battery for single and collated screws

- Gypsum plasterboards
- Construction boards
- For wooden and metal framework
- General screw applications
- Also great for roof jobs.

Battery powered Spit screwdriver for fastening gypsum plasterboards and other construction boards to wooden and metal structures and for general screw applications. Excellent for roof jobs. SPEED 55 EC easy click carton makes it easy to adjust the screwdriver for collated screws. Suits for 25–55 mm screws (the set includes 2 bits).

### Technical specification:

<b>Model:</b>	218 Lithium	SPEED55 EasyClick
<b>Weight:</b>	1.6 kg	0.4 kg
<b>Rotation speed:</b>	0–4200	
<b>Power:</b>	18 V, 4.2 Ah	
<b>Product range:</b>	<b>Part number:</b>	
Spit 218 Lithium + Speed 55 EasyClick	054385	
Battery 218 Lithium, 4.2 Ah	054397	
Charger 218 Lithium	054398	
Speed 55 EC collated screw automatic system	054267	
Spare bit Ph2 Speed 55 EC (2 pcs./bag)	054268	
EX580 extension rod	150599	
EX580 blade holder, 580 mm	150596	



### Easy to use

Requires minor force to press the probe against the substrate (approx. 4 kg).



### Easy to adjust

Toolless adjustment of screw length and depth.



## An efficient screwdriver for single and collated screws

- Gypsum plasterboards
- Construction boards
- For wooden and metal framework
- General screw applications
- Also great for roof jobs.

An efficient Spit screwdriver with a replaceable power cord for fastening gypsum plasterboards and other construction boards to wooden and metal structures and for general screw applications. Excellent for roof jobs. SPEED 55 EC easy click carton makes it easy to adjust the screwdriver for collated screws. Suits for 25–55 mm screws (the set includes 2 bits).

### Technical specification:

Model:	218	SPEED55 EasyClick
Weight:	1.2 kg	0.4 kg
Rotation speed:	0–6000	
Screw length:		25–55 mm
Power:	600 W	
Power cord:	6 m	

### Product range:

Product range:	Part number:
Spit 218 screwdriver	054341
Spit 218 + Speed 55 EasyClick	054342
Power cord Spit 218, length 6 m	054343
Speed 55 EC collated screw automatic system	054267
Spare bit Ph2 Speed 55 EC (2 pcs/bag)	054268
EX580 extension rod	150599
EX580 blade holder, 580 mm	150596



### Easy to use

Requires minor force to press the probe against the substrate (approx. 4 kg).



### Easy to adjust

Toolless adjustment of screw length and depth.



### A damaged power cord does not stop the work.

A replaceable power cord extends the use life of Spit 218 and simplifies transportation.

SPIT EX580 is an extension rod to be used with Speed 55 easy click carton and Spit screwdrivers. Carbon fibre and aluminium. 0.8 kg Length 580 mm.



## Gypsum plasterboard screw

For wooden or metal framework.

Length	Pcs/box	Boxes/ packag- ing	DoP*	Part number:
<b>FOR WOODEN FRAMEWORK</b> Galvanised. Spare thread.				
3.9 x 32 mm	1000	10	302	151600
3.9 x 40 mm	1000	10	302	151601
3.9 x 45 mm	1000	10	302	151602
<b>FOR METAL FRAMEWORK</b> Galvanised. Tight thread.				
3.5 x 25 mm	1000	10	302	151603
3.5 x 35 mm	1000	10	302	151604
3.5 x 40 mm	1000	10	302	151605
<b>FOR METAL FORMWORK (MAX. 2.5 MM)</b> Galvanised. Tight thread. With a drill bit.				
3.5 x 25 mm	1000	10	302	151608
3.5 x 40 mm	1000	10	302	151609
<b>FOR WOODEN AND METAL FRAMEWORK</b> Galvanised. HiLo.				
3.9 x 32 mm	1000	10	302	151613
3.9 x 40 mm	1000	10	302	151614
3.9 x 55 mm	1000	8	302	151615

\* Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)

## Particle board screws

Length	Pcs/ box	Boxes/ packag- ing	Part number:
<b>FOR WOODEN FRAMEWORK</b> Galvanised. With a self-drilling head.			
4.2 x 35 mm	1000	10	151622
4.2 x 42 mm	1000	10	151623
4.2 x 55 mm	1000	8	151624



A traditional gypsum plasterboard screw

Due to thicker Ph2 head the screw leaves a very clean drilling surface.

## Gypsum plasterboard screw extra hard gypsum plasterboards (EK)

For wooden or metal framework.

Length	Pcs/box	Boxes/ packag- ing	DoP*	Part number:
<b>FOR WOODEN FRAMEWORK</b> Galvanised. Spare thread.				
3.9 x 32 mm	1000	10	302	151618
<b>FOR METAL FRAMEWORK</b> Galvanised. Tight thread.				
3.9 x 25 mm	1000	10	302	151616
3.9 x 40 mm	1000	10	302	151617
<b>FOR WOODEN AND METAL FRAMEWORK</b> Galvanised, HiLo				
4.2 x 32 mm	1000	10	302	151619
4.2 x 40 mm	1000	10	302	151620

\* Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)



## Wind screen gypsum plasterboard screw

Length	Pcs/ box	Boxes/ packag- ing	DoP*	Part number:
<b>FOR WOODEN AND METAL FRAMEWORK</b> Galvanised, 12 µm, complies with the requirements of Eurocode. HiLo.				
3.9 x 32 mm	1000	10	302	151621

\* Declaration of Performance. See [www.itwcp-techdocs.eu](http://www.itwcp-techdocs.eu)

## Terrace screw

Length	Pcs/ box	Boxes/ packag- ing	Part number:
<b>FOR WOODEN FRAMEWORK</b> Acid-proof, A4. Cutter.			
4.2 x 55 mm, NKT	1000	8	137987





## A fast battery-powered hammer drill SDS+

- For drilling in concrete, bricks and natural rock

A battery powered hammer drill for a builder, who does not want to depend on the length of the power cord. Sold in a robust Spit case provided with a shoulder strap. In addition to the drill hammer the case includes two 4.2 Ah lithium batteries and 24–28 V charger.

### Technical specification:

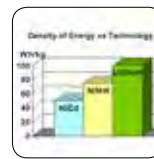
<b>Model:</b>	<b>SPIT 328 Lithium</b>
<b>Part number:</b>	054461
<b>Weight:</b>	3.7 kg
<b>Chuck:</b>	SDS+
<b>Optimum concrete drilling:</b>	Ø 4–14 mm (max. 20 mm)
<b>Impact force:</b>	2 J
<b>Functions:</b>	drilling, hammer drilling
<b>Power:</b>	28 V, 4.2 Ah

Accessories:	Part number:
Battery, 28 V, 4.2 Ah, lithium	054462
Battery charger	054256



### A carry case and two batteries

A carry case accommodates conveniently two 4.2 Ah lithium batteries.



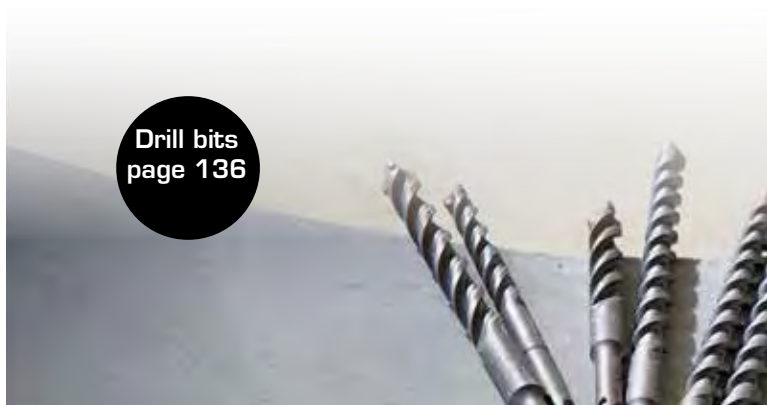
### A more durable battery

The lightweight lithium batteries are 4 times more durable.



### Spit SCC Smart Charger

Charges new Spit lithium batteries as well as old Spit NiCd batteries.



Drill bits  
page 136





## Combi drill hammer SDS+

- Drilling and hammering in concrete and rock
- Installation of electrical systems and water and heating pipes.

The power and weight of the combination drill hammer takes it to the top class of the products, in addition a durable 790 W motor and modular design. Functions as a drill hammer when drilling in concrete and rock and metal and wood. Rotary stop for chiselling. A reverse switch to free easily a drill bit stuck in the material.

**Technical specification:**

Model:	Spit 321
Part number:	054373
Weight:	2.8 kg
Power:	790 W
Rotation speed:	950 p/min.
Impact force:	2.7 J
Shank:	SDS+
Max. drill bit diameter, concrete:	Ø 24 mm
Max. drill bit diameter, brick:	Ø 68 mm
Max. drill bit diameter, metal:	Ø 13 mm
Vibration:	17 m/s <sup>2</sup>
Functions:	drilling, chiselling



### 3 functions

Rotation with hammering, rotation only and chiselling.



### Comfortable to use

Smooth activation and simple adjustment to suitable speed.



### Ball grommet of a power cable

Ball grommet of a power cable to prevent cable breakage.



### In a carry case

Sold in a robust carry case.





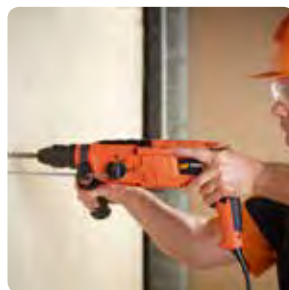
## A light general combi hammer SDS+ for a skirting installer

- Drilling and hammering in concrete and rock

A very fast and efficient combi hammer in its class with improved vibration dampening. One torque for forward and reverse rotation. Speed adjustment, improved direction change switch, durable modular design and transmission in a steel enclosure. The best impact force at the market.

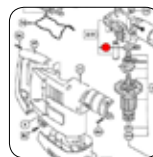
### Technical specification:

<b>Model:</b>	<b>Spit 330</b>
<b>Part number:</b>	054377
<b>Weight:</b>	3.1 kg
<b>Power:</b>	850 W
<b>Rotation speed:</b>	0-900 p/min.
<b>Impact force:</b>	3.2 J
<b>Shank:</b>	SDS+
<b>Max. drill bit diameter, concrete:</b>	Ø 28 mm
<b>Max. drill bit diameter, brick:</b>	Ø 68 mm
<b>Max. drill bit diameter, metal:</b>	Ø 13 mm
<b>Vibration:</b>	11 m/s <sup>2</sup>
<b>Functions:</b>	rotation, rotation with hammering, chiselling



### 3 functions

Rotation with hammering, rotation only and chiselling.



### Very robust design

Durable modular design and transmission in a steel enclosure.



### Ball grommet of a power cable

Ball grommet of a power cable to prevent cable breakage.



### In a carry case

Sold in a robust carry case.

Drill bits  
page 136





## A combi hammer SDS+ for repair jobs

- Drilling and hammering in concrete and rock
- Removal of large panels

A combi hammer with efficient transmission, low vibration and vibration dampening. A top product in its power and weight class, a reliable modular design. Can be changed from a drill hammer to an ordinary drill without tools. A reverse switch to free easily a drill bit stuck in the material.

**Technical specification:**

<b>Model:</b>	Spit 332
<b>Part number:</b>	054323
<b>Weight:</b>	3.6 kg
<b>Power:</b>	800 W
<b>Rotation speed:</b>	0-900 p/min.
<b>Impact force:</b>	0-3.5 J
<b>Shank:</b>	SDS+
<b>Max. drill bit diameter, concrete:</b>	Ø 28 mm
<b>Max. drill bit diameter, brick:</b>	Ø 82 mm
<b>Max. drill bit diameter, metal:</b>	Ø 13 mm
<b>Vibration:</b>	12 m/s <sup>2</sup>
<b>Functions:</b>	rotation, rotation with hammering, chiselling



### 3 functions

Rotation with hammering, rotation only and chiselling.



### Efficient transmission

A top class combi hammer in its class



### Ball grommet of a power cable

Ball grommet of a power cable to prevent cable breakage.



### In a carry case

Sold in a robust carry case.





## Medium heavy combi hammer SDS+

- Drilling and hammering in concrete and rock

A robust combi hammer with efficient SVC vibration dampening.

### Technical specification:

<b>Model:</b>	Spit 343
<b>Part number:</b>	054289
<b>Weight:</b>	4.7 kg
<b>Power:</b>	900 W
<b>Rotation speed:</b>	0-800 p/min.
<b>Impact speed:</b>	0-3600 p/min.
<b>Impact force:</b>	5 J
<b>Chuck:</b>	SDS +
<b>Max. drill bit diameter, concrete:</b>	Ø 32 mm
<b>Vibration:</b>	10 m/s <sup>2</sup>
<b>Functions:</b>	rotation, rotation with hammering, chiselling

<b>Accessories:</b>	<b>Part number:</b>
Quick chuck adaptor (Spit 343)	054288



### Chiselling force, 5 J

An efficient tool with high penetration force increases work productivity



### No unnecessary vibration

Vibration dampening system in the rear handle



### Ball grommet of a power cable

Ball grommet of a power cable to prevent cable breakage.

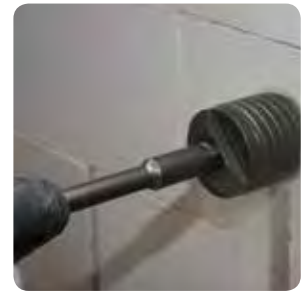


### In a carry case

Sold in a robust carry case.



Drill bits  
page 136



## Combi hammer SDS Max

- Drilling and hammering in concrete and rock

An improved vibration dampening system, switch control increasing safety and integrated spirit level for precise application. Very low vibration, one-hand shaft locking and speed adjustment.

**Technical specification:**

<b>Model:</b>	Spit 353 SVC
<b>Part number:</b>	811060
<b>Weight:</b>	6.8 kg
<b>Power:</b>	1100 W
<b>Rotation speed:</b>	0-400 p/min.
<b>Impact speed:</b>	0-3000 strikes/min.
<b>Impact force:</b>	6.5 J
<b>Chuck:</b>	SDS Max
<b>Max. drill bit diameter, concrete:</b>	Ø 32 mm
<b>Vibration:</b>	< 10 m/s <sup>2</sup>
<b>Functions:</b>	rotation, rotation with hammering, chiselling



### Chiselling force, 6.5 J

An efficient tool with high penetration force increases work productivity



### No unnecessary vibration

Vibration dampening in additional and rear handle.



### Safe continuous drilling

The soft switch controlled by DSC system helps to avoid impacts and increases user's safety in the situation, when the drill bit gets stuck.



### The set includes a spike and chisel

A robust plastic case contains also a spike and chisel.





## A chisel hammer SDS+

- Concrete and rock chiselling
- Removal of panels
- For removal of concrete splashes, glue and levelling compound

Excellent lubrication in all operation positions and smooth impact speed adjustment also help to perform more complicated jobs.

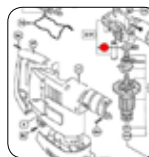
### Technical specification:

<b>Model:</b>	Spit 431
<b>Part number:</b>	054156
<b>Weight:</b>	3.6 kg
<b>Power:</b>	650 W
<b>Impact speed:</b>	0-3500 p/min.
<b>Impact force:</b>	4.3 J
<b>Chuck:</b>	SDS +
<b>Functions:</b>	Chiselling



### Chiselling force, 4.3 J

A light tool with high penetration force increases work productivity



### Good frost resistance

Durable and smooth performance



### The set includes 1 spike and 2 chisels

The plastic case contains 1 spike and 2 chisels





## A chisel hammer SDS Max

- Concrete and rock chiselling

An improved vibration dampening system, a unique technology to avoid rotation and an integrated spirit level for precise application. Very low vibration, one-hand shaft locking and speed adjustment.

### Technical specification:

<b>Model:</b>	<b>Spit 453 SVC</b>
<b>Part number:</b>	811122
<b>Weight:</b>	6.5 kg
<b>Power:</b>	1100 W
<b>Impact speed:</b>	0-3000 strikes/min.
<b>Impact force:</b>	6.5 J
<b>Chuck:</b>	SDS MAX
<b>Vibration:</b>	< 10 m/s <sup>2</sup>
<b>Functions:</b>	Chiselling



### Chiselling force, 6.5 J

An efficient tool with high penetration force increases work productivity



### No unnecessary vibration

Vibration dampening system in the rear handle



### The set includes a spike and chisel

A robust plastic case contains also a spike and chisel.



Chisels and spikes page 141



## A very powerful chisel hammer SDS Max

- Concrete and rock chiselling

A very powerful chisel hammer, which is 20% more efficient than the previous model. Does not need to be pressed during usage. Metal and aluminium structure provided with very efficient SVC vibration dampening and integrated maintenance sensor.

### Technical specification:

<b>Model:</b>	<b>Spit 493 SVC</b>
<b>Part number:</b>	054339
<b>Weight:</b>	11.4 kg
<b>Power:</b>	1700 W
<b>Impact speed:</b>	900-1700 p/min.
<b>Impact force:</b>	22 J
<b>Chuck:</b>	SDS Max
<b>Vibration:</b>	8 m/s <sup>2</sup>
<b>Functions:</b>	Chiselling



### Chiselling force, 22 J

An efficient tool with high penetration force increases work productivity



### No unnecessary vibration

Vibration dampening in the rear handle, additional handle and impact mechanism.



### Vario-Lock

The bit can be adjusted in 12 different positions.



### The set includes a spike and chisel

A robust plastic case contains also a spike and chisel.

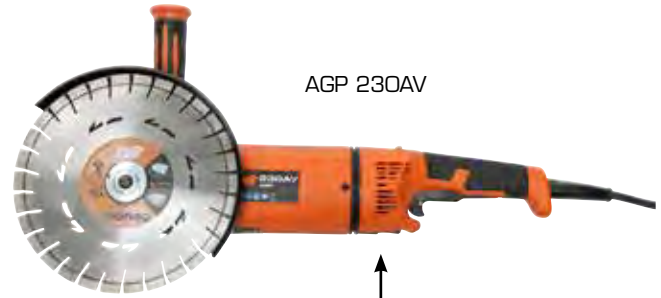






AGS 125AV

AGP 125AV



AGP 230AV



SGH 125 dust hood for surfacing



SDH 230 dust extraction equipment

## Angle grinders, Ø 125 mm

- For concrete, rock, brick

Light and compact angle grinders with integrated safety electronics. Soft-start, electronic speed adjustment and in case of AGP model keyless disc guard adjustment. Can be connected with a cup disc and a dust collector.

### Technical specification:

Model:	AGS 125AV	AGP 125AV
Part number:	640065	640059
Weight:	2 kg	2 kg
Power:	1050 W	1400 W
Rotation speed:	12 000 p/min.	11 000 p/min.
Disc:	Ø 125 mm	Ø 125 mm
Noise level:	87 dB (A)	87 dB (A)

### Accessories for AGP 125AV angle grinder:

SGH 125 dust hood for surfacing	610982
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## Cutting discs, Ø 125 mm

Name	Part number:
<b>Ø 125 mm</b>	
EXTREME, concrete	610091
EXTREME, brick	610101



## Angle grinder, Ø 230 mm

- For concrete, rock, brick

Powerful angle grinders with soft-start. Great for metal cutting and grinding. A side handle with vibration dampening, disc key and in case of AGP model keyless disc guard adjustment.

### Technical specification:

Model:	AGP 230AV
Part number:	640058
Weight:	5.2 kg
Power:	2400 W
Rotation speed:	6500 p/min.
Disc:	Ø 230 mm
Noise level:	91 dB (A)

### Accessories for AGP 230AV angle grinder:

SDH 230 dust extraction equipment for concrete cutting	610999
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## Cutting discs, Ø 230 mm

Name	Part number:
<b>Ø 230 mm</b>	
EXTREME, concrete	610096
EXTREME, brick	610103



## PENTASURF, Ø 125 mm

- One cup disc for all materials
- Well balanced
- Excellent dust extraction
- Low vibration level



610515 Coarse	610516 Universal, general grinding	610517 Finishing	610518 Removal of surface coating	610519 Universal, soft
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# SPIT SG125E + diamond-cup discs



In combination with an extractor ensures a dust-free surface



## Concrete grinder, Ø 125 mm

- Concrete and rock grinding
- Joint cleaning
- Paint residue removal

SG125E cleans efficiently joints, uneven surfaces and epoxy and paint residues. This is a light and ergonomic tool, which ensures a flat grinding position with the area to be processed. Soft-start and a powerful motor. Simple and easy replacement of cup discs. The set includes a 2-row cup disc.

### Technical specification:

Model:	Spit SG125E
Part number:	620809
Weight:	5.5 kg
Power:	1800 W
Voltage:	230 V
Rotation speed:	10 000 p/min.
Cup disc diameter:	Ø 125 mm
Cup disc spindle:	Ø 22.2 mm
Spindle:	M14
Dust extractor connector:	36 mm
Power cord:	5 m
Noise level:	86 dB (A)

## Pentasurf cup discs, Ø 125 mm

Name	Part number:
<b>Ø 125 mm grinding/cup discs</b>	
PENTASURF COARSE	610515
PENTASURF UNIVERSAL, GENERAL GRINDING	610516
PENTASURF FINISHING	610517
PENTASURF COATING	610518
PENTASURF UNIVERSAL, SOFT	610519



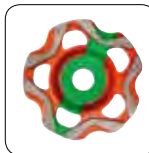
### Removable dust guard side piece

Good access to the wall



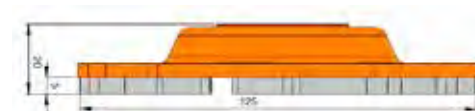
### Good contact with the area to be processed

Ergonomic design and soft-start ensure pleasant use experience.



### A general cup disc is included in the set

A robust carry case also contains a universal cup disc 610516



## PENTASURF, Ø 125 mm

- One cup disc for all materials
- Well balanced
- Excellent dust extraction
- Low vibration level



610515 Coarse  
610516 Universal, general grinding  
610517 Finishing  
610518 Removal of surface coating  
610519 Universal, soft



### Wall chaser, Ø 150 mm

- Electrical cables
- Water and sewerage pipes
- Telephone and data communications cables

D90 is a new generation efficient wall chaser with an improved 2500 W motor and better torque. Improved dust extraction, quick disc replacement without special tools (Dia-Quick), work line indicator and a precise depth adjustment wheel. The set includes two Xtreme discs + chisel.

**Technical specification:**

<b>Model:</b>	<b>D90</b>
<b>Part number:</b>	811242
<b>Power:</b>	2500 W
<b>Vibration:</b>	4.3 m/s <sup>2</sup>
<b>Rotation speed:</b>	6600 p/min.
<b>Weight:</b>	6.5 kg
<b>Weight including discs:</b>	7.5 kg
<b>Power cord:</b>	5 m
<b>Disc diameter:</b>	Ø 150 mm
<b>Cutting depth:</b>	10-50 mm
<b>Slot width, one disc:</b>	2.6 mm
<b>Slot width, two discs:</b>	7-46.5 mm
<b>Edge distance from the front:</b>	23 mm
<b>Edge distance from the side:</b>	28 mm

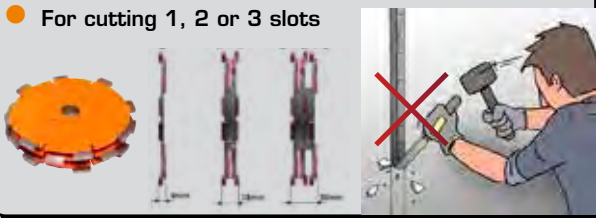
### Diamond discs

Name	Part number:
Ø 150 mm	
2 pcs XTREME UNIVERSAL general discs	610197
2 pcs XTREME CONCRETE concrete discs	610063
DIASLOT slot system	610290



### DIASLOT, Ø 150 mm

- DIASLOT slot system makes slots quicker without the need of cleaning later
- For cutting 1, 2 or 3 slots



### Wall chaser, Ø 140 mm

- Electrical cables
- Water and sewerage pipes
- Telephone and data communications cables

D60 is a compact wall chaser with top-class functions. Clear depth adjustment wheel, rotating additional handle and LED indicator, which helps to protect the motor. Comfortable to be used in different positions, an openable protective cover simplifies replacement of discs. The set includes two Xtreme discs + chisel.

**Technical specification:**

<b>Model:</b>	<b>D60</b>
<b>Part number:</b>	811223
<b>Power:</b>	1600 W
<b>Vibration:</b>	3.6 m/s <sup>2</sup>
<b>Rotation speed:</b>	6500 p/min.
<b>Weight:</b>	4.6 kg
<b>Weight including discs:</b>	5.6 kg
<b>Power cord:</b>	5 m
<b>Disc diameter:</b>	Ø 140 mm
<b>Cutting depth:</b>	10-40 mm
<b>Slot width, one disc:</b>	2.6 mm
<b>Slot width, two discs:</b>	7-35 mm
<b>Edge distance from the front:</b>	24 mm
<b>Edge distance from the side:</b>	26 mm

### Diamond discs

Name	Part number:
Ø 140 mm	
2 pcs XTREME UNIVERSAL general discs	610093
2 pcs XTREME CONCRETE concrete discs	610059



# AC 1625 and AC 1630 P wet and dry vacuum cleaners



## Wet and dry vacuum cleaner AC1625

- For construction dust

The most efficient wet and dry vacuum cleaner on the market.

The vibration system of the filter prevents filter clogging. Antistatic suction pipe. Cleanable PE filters. Automatic start simultaneously with the tool. Large wheels and 5 m suction pipe.

The set includes 2 filters, an antistatic suction hose, 2 nozzles and an adapter.

### Technical specification:

<b>Model:</b>	<b>AC1625</b>
<b>Part number:</b>	620912
<b>Power:</b>	1600 W
<b>Power:</b>	64 l/min.
<b>Weight:</b>	11.5 kg
<b>Suction hose:</b>	5 m (ø 35 mm)
<b>Tank:</b>	25 l (optional accessory 50 l)

## Accessories

Name	Part number:
<b>Ø 140 mm</b>	
SPIT fleece dust bag, 5 pcs/package	620922
A set of AC cleaning accessories: includes a nozzle adaptor, dust brush, water suction nozzle, handle and 2 suction pipes	644030
AC suction pipe, 5 m, antistatic	644004
AC1600 filter set, polyester	644006
AC1600 suction hose nozzle (free end)	610122
AC1600 suction hose connector (to the vacuum cleaner)	610123
AC1600-1630 HEPA filter	654699
AC1625-1630 nozzle adaptor	SM547275



## Wet and dry vacuum cleaner AC1630 P

- For very fine dust, gypsum dust for example

The most efficient wet and dry vacuum cleaner on the market. AC1630P is provided with a cleaning system cleaning the filters in different times, ensuring thus uninterrupted operation during grinding for example. Antistatic suction pipe. Cleanable PE filters. Automatic start simultaneously with the tool. Large wheels and 5 m suction pipe.

The set includes 2 filters, an antistatic suction hose, 2 nozzles and an adapter.

### Technical specification:

<b>Model:</b>	<b>AC1630P</b>
<b>Part number:</b>	620913
<b>Power:</b>	1600 W
<b>Power:</b>	64 l/min.
<b>Weight:</b>	12 kg
<b>Suction hose:</b>	5 m (ø 35 mm)
<b>Tank:</b>	32 l



620922



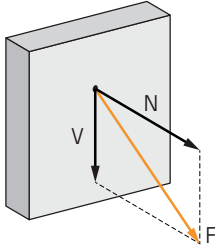
644030



Light fasteners		Concrete	Brick	Ligh- tweight concrete	Gyp- sum	ETA	page
<b>Driva</b>	gypsum plasterboard anchors						92-95
<b>ZENTECH / CC</b>	light panel anchors						96
<b>NYL</b>	nylon dowels						97
<b>PRO 6</b>	general dowels						98
<b>HIT M</b>	nail dowels						99-100
<b>B-LONG</b>	frame dowels						101-102
<b>ALU-FIX</b>	nail anchors						103
<b>EXPRESS</b>	fast nails						104
<b>ISO / ISOMET</b>	insulation material fasteners						105, 107
<b>ISO N- / ISO S</b>	fastening with insulation material						106, 108
Anchors		Concrete	Brick			ETA	page
<b>TAPCON</b>	screw anchors						110-112
<b>UDZ</b>	suspended ceiling anchors						113
<b>BRASS</b>	brass anchors						114
<b>GRIP</b>	hammer-set anchors						115-116
<b>FIX</b>	wedge anchors						118-125
<b>TRIGA</b>	power anchors						126-127
	Chemical anchoring						128-135

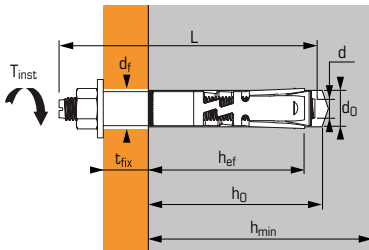


## ABBREVIATIONS AND TERMS



### Load

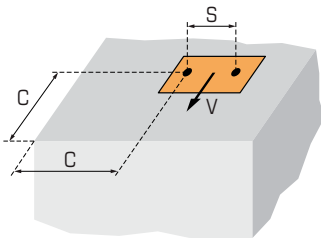
- N** Pull-out resistance
- N<sub>rec</sub>** Pull-out resistance, recommended
- N<sub>rd</sub>** Pull-out resistance, designed
- V** Share load
- V<sub>rec</sub>** Shear load, recommended
- V<sub>rd</sub>** Shear load, designed



### Anchoring

- hef** Effective anchorage depth
- ho** Anchorage depth
- d0** Drill hole diameter
- L** Total anchor length
- T<sub>inst</sub>** Required setting torque
- t<sub>fix</sub>** Maximum thickness of the material to be fixed
- h<sub>min</sub>** Minimum thickness of the base material

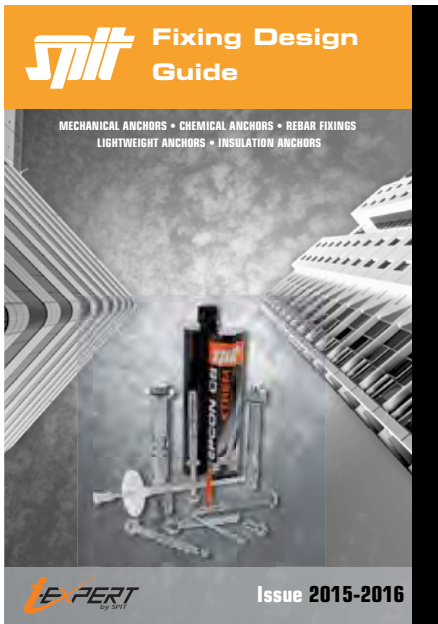
Normally Spit fasteners are marked as  $(d_0) \times (L)/(t_{fix})$ , for example Tapcon4 screw anchor, 6 × 75/20



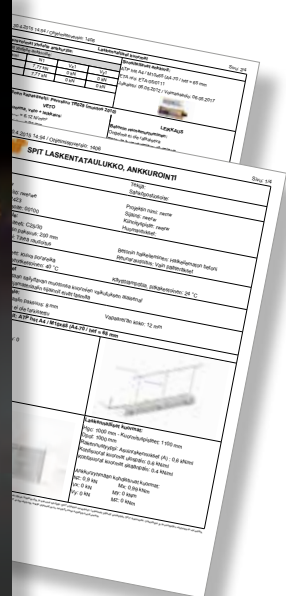
### Safety distance

- S** Distance between the central points of 2 anchors
- S<sub>min</sub>** Minimum allowable distance between two central points
- C<sub>min</sub>** Minimum allowable edge distance

Load imposed on the fastener can mean pull-out resistance  $N$ , share load  $V$  or combination thereof. As a measuring unit of load kilonewtons are used, in which case 1 kN corresponds to approximately 100 kg. In different situations the load of fasteners can be expressed differently. In the following pages (recommended load)  $N_{rec} + V_{rec}$  is stated for the light fasteners meant for light fastening applications and design load  $N_{rd} + V_{rd}$  is stated for fasteners meant for heavier fastening applications. In case pull-out resistance and shear load of some fasteners seem to be surprisingly small, it has to be kept in mind that most probably the reason for this is the used safety margins. This has to be kept in mind when the presented values are compared with the same values of other manufacturers, for example. Actual holding capacity of a fastener should always be checked in actual site conditions.



For additional information about differences and safe fastening see SPIT brochure "Fixing Design Guide", 2015–2016.



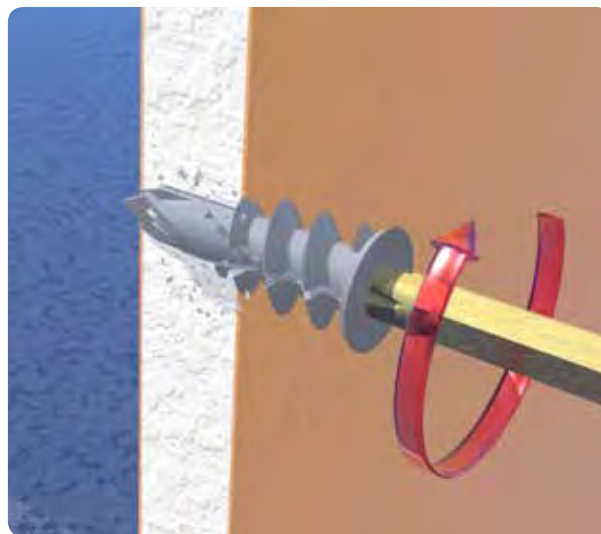
Further details about installation methods of Spit concrete fasteners can be obtained from a free computer program **i-Expert** available at [www.spit.com/i-expert](http://www.spit.com/i-expert)

**i-Expert** can be used with most common browsers. It helps to find the most suitable fastening solution quickly and safely with a compatible smart device.

> [www.spit.com/i-expert](http://www.spit.com/i-expert)

## DRIVA®

### Gypsum plasterboard anchor



### Application

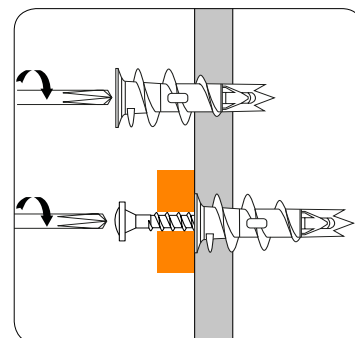
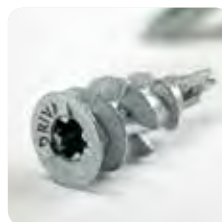


Gypsum

For fastening straps, panels, pictures, electrical equipment, cableways, furniture etc.

### Properties and benefits

- Fastenings for gypsum plasterboards, particleboards and other construction boards (pre-drilling, Ø 8 mm).
- Can be installed with a gypsum plasterboard screwdriver also without pre-drilling.
- Driva metal is made from zamak 3 (zinc and aluminium alloy), characterised by excellent corrosion resistance.



### PRODUCT RANGE

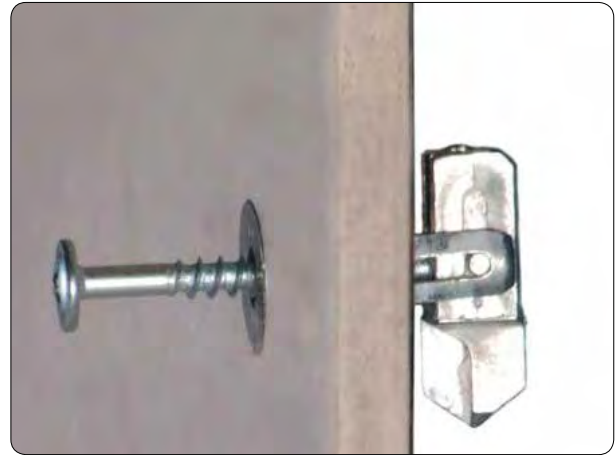
Description	W		Screw Ø, mm	N <sub>rec</sub> Pull-out resistance 13 mm gypsum	N <sub>rec</sub> Shear load 13 mm gypsum	Pcs/box	Boxes/ del. pack	Part number:
	Screw length, mm	Anchor length, mm						
<b>DRIVA METAL</b>								
TP12 with a screw, fillister head	35	31	4.5	0.06 kN	0.14 kN	100	4	059360
TP12 retail packaging, without a screw	-	31	-	0.06 kN	0.14 kN	3000	-	656600
TF5 with a screw, countersunk head	25	31	4.5			100	4	059370
TP27 screw, fillister head	50	31	4.5	0.06 kN	0.14 kN	100	4	059380





# DRIVA<sup>®</sup> PLUS

Gypsum plasterboard anchor



## Application

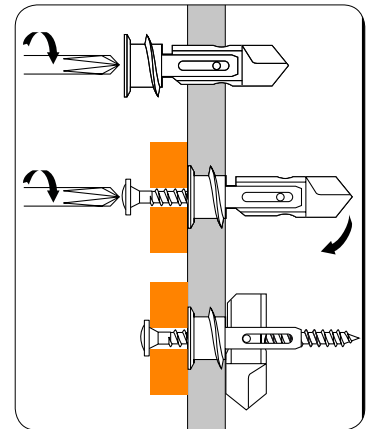


Gypsum

For fastening straps, panels, equipment, shelves, cableways, cable trays, heaters, etc., to gypsum plasterboard.

## Properties and benefits

- Driva Plus is made from zamak 3 (zinc and aluminium alloy), characterised by good corrosion resistance.
- Fast and easy installation.
- Self-drilling.

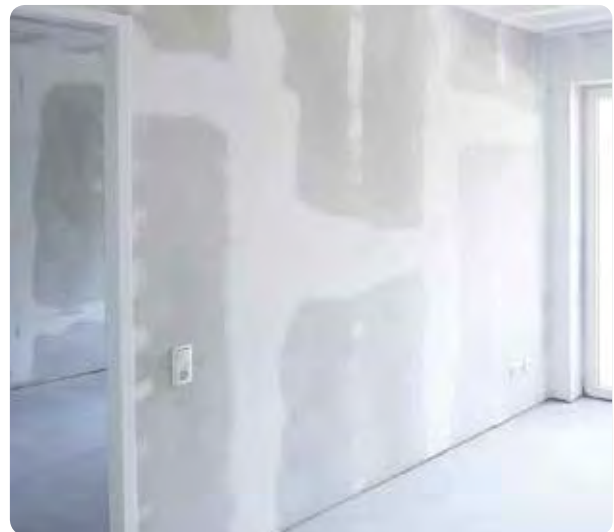


PRODUCT RANGE								
	W			N <sub>rec</sub>	N <sub>rec</sub>			
Description	Screw length, mm	Anchor length, mm	Screw Ø, mm	Pull-out resistance 13 mm gypsum	Shear load 13 mm gypsum	Pcs/box	Boxes/del. pack	Part number:
<b>SPIT DRIVA PLUS - PZ2 - 10-13 mm GYPSUM PLASTERBOARDS</b>								
TP12 with a screw, fillister head	45	39	4.5	0.09 kN	0.24 kN	100	6	061190



## DRIVA® MINI

Gypsum plasterboard anchor



### Application

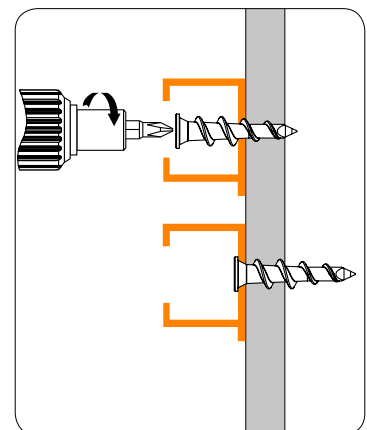


Gypsum

For fastening electrical equipment, cableways, cable trays, etc., to gypsum plasterboard.

### Properties and benefits

- Driva mini has a small cone-shaped countersunk head and actually it is a screw.
- A convenient fastening solution as there is no need for a separate screw.
- Made from zamak 3 (zinc and aluminium alloy), characterised by good corrosion resistance.
- Fast and easy installation.
- Self-drilling.



### PRODUCT RANGE

	W		N <sub>rec</sub>			
			<b>Pull-out resistance</b>			
<b>Description</b>	<b>Length, mm</b>		<b>13 mm gypsum</b>	<b>Pcs/box</b>	<b>Boxes/ del. pack</b>	<b>Part number:</b>
<b>DRIVA MINI</b>						
Fillister head	26		0.03 kN	200	40	059430

# DRIVA®DRILL

Gypsum plasterboard anchor



## Application

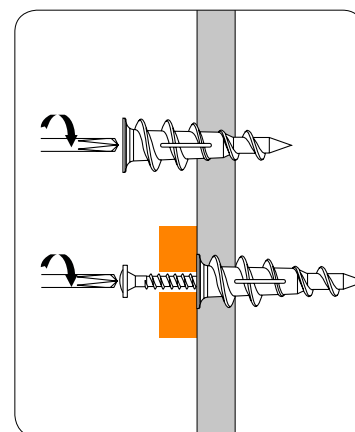


Gypsum

For fastening straps, panels, pictures, cableways, cable trays, etc., to gypsum plasterboard.

## Properties and benefits

- Glass-fibre reinforced polyamide (nylon).
- Good insulation properties in electrical installations.
- Installation of a small dowel is fast and easy.
- The screw is with a wide head.



## PRODUCT RANGE

	W		N <sub>rec</sub>	N <sub>rec</sub>			
Description	Length, mm	Screw Ø, mm	Pull-out resistance 13 mm gypsum	Shear load 13 mm gypsum	Pcs/box	Boxes/ del.pack	Part number:
<b>DRILL</b>							
TP12, flat head, 3.0 × 25	30	3	0.044 kN	0.16 kN	200	6	061630

## ZENTECH / CC

light panel anchors



Zentech



CC

### Application



Gypsum

Bathroom furniture, kitchen furniture, pipes, electrical accessories, etc.

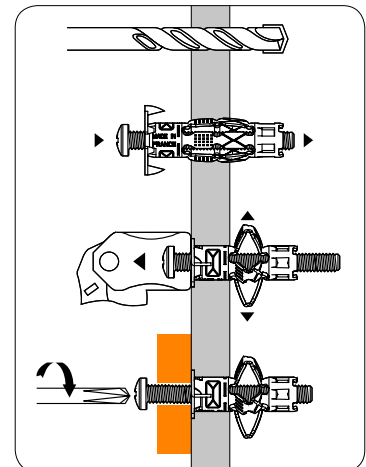
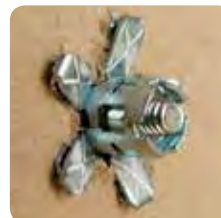


### Properties and benefits

- Expandable wings fasten over a wide area and create an excellent tensile resistance.
- Fins preventing rotation fasten on the installation surface and prevent breakage of the panel during installation.
- Great to be used for hollow materials.
- Can be installed with nippers or a screwdriver (PZ2 / PZ3 head)
- Long threaded part



Integrated nut



### PRODUCT RANGE and TECHNICAL SPECIFICATION

Part number:	Dimensions (mm)	do	W	Screw Ø, mm	N <sub>rec</sub>	Pcs/box	Boxes/del. pack
		Drill bit Ø, mm	Length, mm		Recommend-ed pull-out resistance, gypsum (kN)		
<b>SPIT ZENTECH / CC</b>							
061040	M4 × 34/13, ZENTECH	8	34	4	0.20	100	6
061050	M4 × 46/24, CC	8	46	4	0.12	100	6
061070	M5 × 34/13, ZENTECH	10	34	5	0.20	100	6
061080	M5 × 45/16, CC	8	45	5	0.12	100	6
061090	M5 × 59/32, CC	8	59	5	0.12	100	4
061110	M6 × 35/13, ZENTECH	12	35	6	0.20	100	4
061120	M6 × 46/16, CC	10	46	6	0.12	100	4
061130	M6 × 59/30, CC	10	59	6	0.12	100	4

1 kN ≈ 100 kg (98.1 kg)

Description	Pcs/box	Boxes/retail packaging	Part number:
Installation tool Spit CC / Spit ZENTECH	1	5	059548



## NYL

nylon dowel



### Application



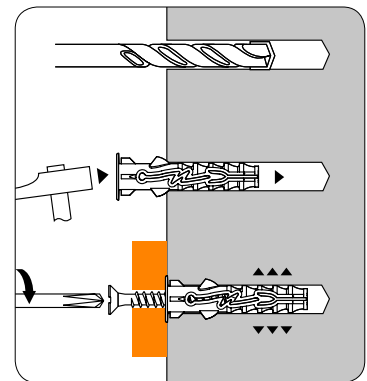
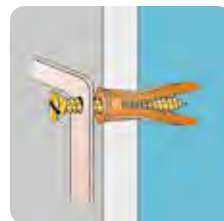
Concrete



Brick

### Properties and benefits

- A general dowel for lighter fastening applications.
- Great for hollow, as well as solid materials.
- Excellent for fastening to concrete, bricks, concrete block, aerated brick, rock, lightweight concrete, lightweight gravel block, hollow panel.



### PRODUCT RANGE and TECHNICAL SPECIFICATION

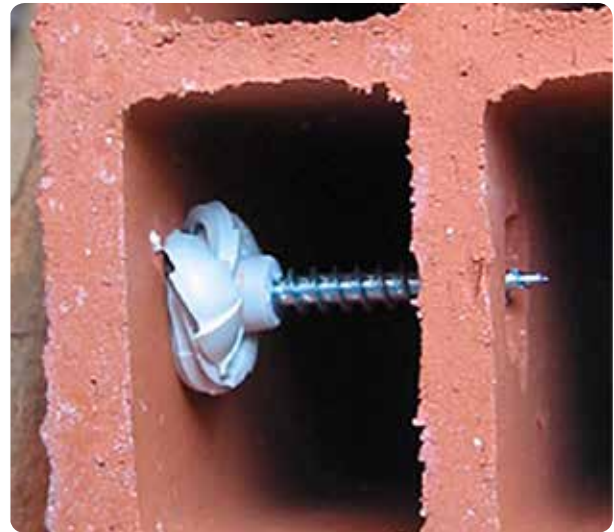
Part number:	Dimensions (mm)	Fastening Ø	Drill bit Ø (mm)	Ho	N <sub>rec</sub>	N <sub>rec</sub>	N <sub>rec</sub>	N <sub>rec</sub>	Min. screw Ø	Max. screw Ø	Pcs./box	Boxes/retail packaging
				Drilling depth (mm)	Recommended pull-out resistance, cracked concrete (kN)	Recommended shear load, cracked concrete (kN)	Recommended pull-out resistance, aerated brick (kN)	Recommended pull-out resistance, brick (kN)				
<b>SPIT NYL</b>												
155870	4 × 20	4	4	20							200	-
155871	5 × 25	5	5	25	0.3	0.3	0.2	0.3	2.5	4	100	-
057140	6 × 30	6	6	30	0.5	0.8	0.25	0.5	3.5	5	100	40
057020	8 × 40	8	8	40	0.8	1	0.35	0.8	4.5	6	100	20
057030	10 × 50	10	10	50	1.2	1.2	0.45	1.1	6	8	50	20
057150	12 × 60	12	12	60	1.8	2.8	0.55	1.5	8	10	25	20
057050	14 × 70	14	14	70	2.8	3	0.7	1.8	10	12	20	20

1 kN ≈ 100 kg (98.1 kg)



## PRO 6

multi-purpose dowel



### Application



Concrete



Brick



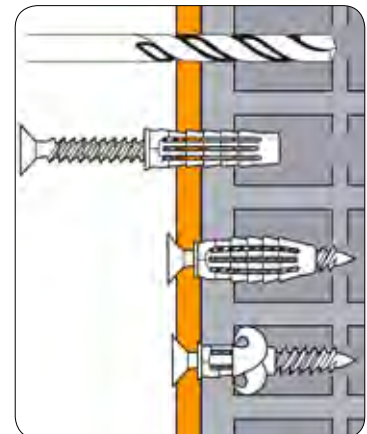
Lightweight  
concrete



Gypsum

### Properties and benefits

- A general dowel with a flange for lighter fastening applications.
- Excellent fastening properties to hollow materials, as well as solid materials.
- Patented design with six expanding wings prevents efficiently rotation, especially in hollow materials.
- Resists significant temperature fluctuations
- A screw can be fastened in the dowel before installation.



### PRODUCT RANGE and TECHNICAL SPECIFICATION

Part number:	Dimensions (mm)	do Drill bit Ø (mm)	W Length (mm)	Ho Drilling depth (mm)	N <sub>rec</sub> Recommend- ed pull-out resistance, cracked con- crete (kN)	N <sub>rec</sub> Recommend- ed pull-out resistance, concrete block (kN)	N <sub>rec</sub> Recommend- ed pull-out resistance, aerated brick (kN)	N <sub>rec</sub> Recommend- ed pull-out resistance, brick (kN)	screw min. – max. Ø	Pcs/ box	Box- es/ del. pack
<b>SPIT PRO 6</b>											
565642	5 × 25	5	25	35	0.28	0.23	0.17	0.2	3-4	100	40
565643	6 × 30	6	30	40	0.45	0.3	0.19	0.26	4-5	100	40
155887	6 × 45	6	45	40	0.45	0.3	0.19	0.26	4-5	75	-
565644	8 × 40	8	40	50	0.7	0.43	0.23	0.35	4.5-6	100	20
565645	10 × 50	10	50	65	1.2	0.46	0.25	0.6	6-8	50	20
565617	12 × 60	12	60	75	1.5	0.52	0.3	0.8	8-10	25	20
565618	14 × 70	14	70	85	2.1	0.56	0.36	0.9	10-12	20	20

1 kN ≈ 100 kg (98.1 kg)



## HIT M

hammer-set dowel



ETA  
06/0032



### Application



Concrete



Brick



Lightweight  
concrete



Gypsum

### Properties and benefits

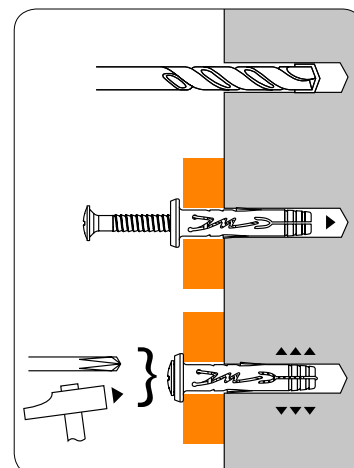
- For fastening straps, cable trays, doorframes, installation accessories, pipe holders, etc., and for installing ventilation systems.
- Good fixing properties for a light anchor
- Can be removed with a screwdriver
- A durable solution in lightweight and hollow materials
- Fast and easy installation.
- European Technical Approval (ETA)



Flanged head P



Countersunk  
head V



### TECHNICAL SPECIFICATION

	do	ho	hmin	N <sub>rec</sub>	N <sub>rec</sub>	N <sub>rec</sub>	N <sub>rec</sub>	N <sub>rec</sub>	N <sub>rec</sub>	N <sub>rec</sub>	N <sub>rec</sub>	N <sub>rec</sub>	N <sub>rec</sub>
Fastening Ø	Drill bit Ø (mm)	Drilling depth (mm)	Min. base material (mm)	Recommended pull-out resistance, cracked concrete (kN)	Recommended shear load, cracked concrete (kN)	Recommended pull-out resistance, concrete block (kN)	Recommended shear load, concrete block (kN)	Recommended pull-out resistance, aerated brick (kN)	Recommended shear load, aerated brick (kN)	Recommended pull-out resistance, brick (kN)	Recommended pull-out resistance, gypsum (kN)	Recommended shear load, gypsum (kN)	Recommended shear load, gypsum (kN)
5	5	30	60	0.21	0.5	0.07	0.5	0.15	0.15	0.07	0.04	0.04	
6	6	35	65	0.32	0.6	0.11	0.6	0.2	0.2	0.28	0.04	0.04	
8	8	40	65	0.42	0.95	0.43	0.45	0.25	0.25	0.43	0.05	0.05	

1 kN ≈ 100 kg (98.1 kg)

## HIT M

hammer-set dowel



ETA  
06/0032

### PRODUCT RANGE

Part number:	Dimensions (mm)	Drill bit Ø (mm)	Length (mm)	Max. thickness of the material to be fastened (mm)	Pcs/box	Boxes/del.pack
<b>HIT M - GALVANISED - FLANGED HEAD P</b>						
050116	5 × 25/5	5	25	5	200	4
050117	5 × 35/15	5	35	15	200	4
050118	6 × 30/5	6	30	5	200	4
050119	6 × 40/12	6	40	12	100	4
050121	6 × 50/25	6	50	25	100	4
050122	6 × 65/40	6	65	40	100	4
060090	8 × 40/10	8	40	10	50	4
060091	8 × 60/10	8	60	10	50	4
060092	8 × 90/60	8	90	60	50	4
060093	8 × 110/80	8	110	80	50	4
060094	8 × 130/100	8	130	100	50	4
<b>HIT M - GALVANISED - COUNTERSUNK HEAD V</b>						
050129	6 × 40/12	6	40	12	100	4
050131	6 × 50/25	6	50	25	100	4
050132	6 × 65/40	6	65	40	100	4
060095	8 × 60/30	8	60	30	50	4
060096	8 × 90/60	8	90	60	50	4
060097	8 × 110/80	8	110	80	50	4
060098	8 × 130/100	8	130	100	50	4
<b>HIT M - STAINLESS STEEL, A2 - FLANGED HEAD P</b>						
060104	6 × 30/5	6	30	5	100	4
060105	6 × 50/25	6	50	25	50	4
060106	6 × 65/40	6	65	40	50	4
060107	8 × 40/10	8	40	10	50	4
060108	8 × 60/30	8	60	30	50	4
060109	8 × 90/60	8	90	60	50	4



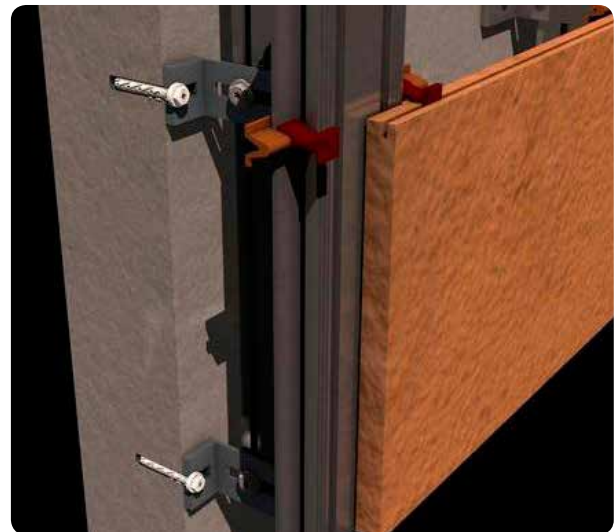


## B-LONG

frame dowel with a large expansion element



ETA  
13/1068



### Application



Concrete



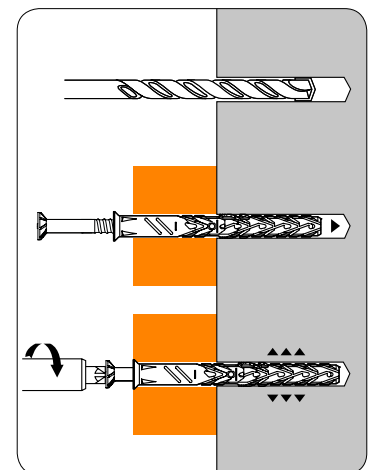
Brick



Lightweight  
concrete

### Properties and benefits

- Non load-bearing structures in concrete and bricks: insulation applications, metal and wooden structures, boundaries, fences, gates, doors, windows, etc.
- Suitable to be used with solid, hollow, porous, as well as lightweight materials.
- Three possible anchorage depths: 40, 50 or 70 mm.
- Heavy and reliable, due to several expansion elements always provides reliable fastening.
- Precisely adjustable tensioning assists in fastening in softer materials, for instance in wood.
- Fast tensioning, immediate locking.
- Helps to save drilling time: only two drill bit diameters,  $\varnothing 8$  and  $\varnothing 10$



### TECHNICAL SPECIFICATION

	do	ho	h <sub>min</sub>	N <sub>rec</sub>	N <sub>rec</sub>	N <sub>rec</sub>	N <sub>rec</sub>	N <sub>rec</sub>	N <sub>rec</sub>	N <sub>rec</sub>	N <sub>rec</sub>	S <sub>min</sub>	C <sub>min</sub>	T <sub>inst</sub>
Fastening $\varnothing$	Drill bit $\varnothing$ (mm)	Drilling depth (mm)	Min. base material (mm)	Recommended pull-out resistance, cracked concrete (kN)	Recommended shear load, cracked concrete (kN)	Recommended pull-out resistance, lightweight concrete (kN)	Recommended shear load, lightweight concrete (kN)	Recommended pull-out resistance, aerated brick (kN)	Recommended shear load, aerated brick (kN)	Recommended pull-out resistance, brick (kN)	Recommended shear load, brick (kN)	Min. anchoring distance (mm)	Min. distance from the edge (mm)	Setting torque (Nm)
8	8	60	100	1.2	3.3	0.4	0.4	0.6	0.6	0.9	0.9	200	100	12
10	10	60	100	2.2	4.3	0.3	0.3	0.6	0.6	0.9	0.9	200	100	16

1 kN  $\approx$  100 kg (98.1 kg)

## B-LONG

frame dowel with a large expansion element



ETA  
13/1068



### PRODUCT RANGE

Part number:	Dimensions (mm)	Drill bit Ø (mm)	Length (mm)	Max. thickness of the fastening material (mm)	Pcs/box	Boxes/del. pack
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#### SPIT B-LONG – COUNTERSUNK HEAD, ZINC-COATED

567950	8 × 60/10 + SCREW, COUNTERSUNK HEAD, Tx30	8	60	10	50	12
567951	8 × 80/30 + SCREW, COUNTERSUNK HEAD, Tx30	8	80	30	50	12
567952	8 × 100/50 + SCREW, COUNTERSUNK HEAD, Tx30	8	100	50	50	12
567953	8 × 120/70 + SCREW, COUNTERSUNK HEAD, Tx30	8	120	70	50	4
567954	8 × 150/100 + SCREW, COUNTERSUNK HEAD, Tx40	8	150	100	50	12
567957	10 × 80/30 + SCREW, COUNTERSUNK HEAD, Tx40	10	80	30	50	12
567958	10 × 100/50 + SCREW, COUNTERSUNK HEAD, Tx40	10	100	50	50	4
567959	10 × 120/70 + SCREW, COUNTERSUNK HEAD, Tx40	10	120	70	50	4
567960	10 × 140/90 + SCREW, COUNTERSUNK HEAD, Tx40	10	140	90	50	4
567961	10 × 160/110 + SCREW, COUNTERSUNK HEAD, Tx40	10	160	110	50	4
567962	10 × 180/130 + SCREW, COUNTERSUNK HEAD, Tx40	10	180	130	50	4
567963	10 × 200/150 + SCREW, COUNTERSUNK HEAD, Tx40	10	200	180	50	3
567964	10 × 230/180 + SCREW, COUNTERSUNK HEAD, Tx40	10	230	180	50	3
567965	10 × 260/210 + SCREW, COUNTERSUNK HEAD, Tx40	10	260	210	50	3
567966	10 × 280/230 + SCREW, COUNTERSUNK HEAD, Tx40	10	280	230	50	3
567967	10 × 300/250 + SCREW, COUNTERSUNK HEAD, Tx40	10	300	250	50	12

#### SPIT B-LONG – COUNTERSUNK HEAD, ACID-PROOF, A4

567942	8 × 80/30 + SCREW, COUNTERSUNK HEAD, A4, Tx30	8	80	30	50	12
567943	8 × 100/50 + SCREW, COUNTERSUNK HEAD, A4, Tx30	8	100	50	50	12
567981	10 × 80/30 + SCREW, COUNTERSUNK HEAD, A4, Tx40	10	80	30	50	12
567982	10 × 100/50 + SCREW, COUNTERSUNK HEAD, A4, Tx40	10	100	50	50	12

#### SPIT B-LONG XTREM – HEXAGONAL HEAD, ZINC-COATED

567969	10 × 60/10 + SCREW, HEXAGONAL HEAD, XTREM, Tx40	10	60	10	50	12
567970	10 × 80/30 + SCREW, HEXAGONAL HEAD, XTREM, Tx40	10	80	30	50	12
567971	10 × 100/50 + SCREW, HEXAGONAL HEAD, XTREM, Tx40	10	100	50	50	12

#### SPIT B-LONG XTREM – HEXAGONAL HEAD, ACID-PROOF, A4

567986	10 × 60/10 + SCREW, HEXAGONAL HEAD, XTREM, A4, Tx40	10	60	10	50	12
567987	10 × 80/30 + SCREW, HEXAGONAL HEAD, XTREM, A4, Tx40	10	80	30	50	12
567988	10 × 100/50 + SCREW, HEXAGONAL HEAD, XTREM, A4, Tx40	10	100	50	50	12

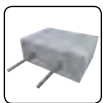


# ALU-FIX

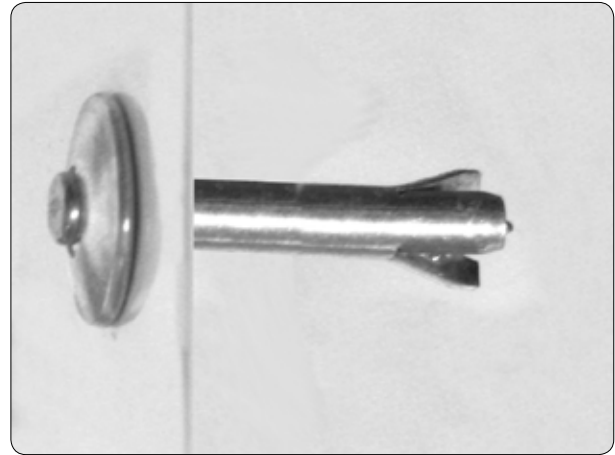
hammer-set rivet



## Application

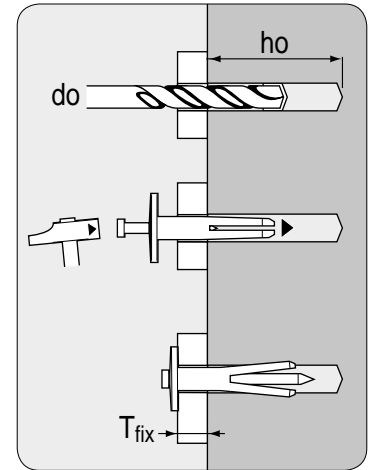


Concrete



## Properties and benefits

- For fastening metal sill and window strips and other thin materials to concrete.



## PRODUCT RANGE and TECHNICAL SPECIFICATION

Part number:	Dimensions (mm)	Drill bit Ø (mm)	Length (mm)	Max. thickness of the material to be fastened	$N_{rec}$ Recommended pull-out resistance, concrete (kN)	$N_{rec}$ Recommended shear load, concrete (kN)	Pcs/box
<b>ALU-FIX</b>							
137735	4.8 × 16/1	5	16	1	-	-	100
137736	4.8 × 20/5	5	20	5	0.7	1.0	100
137737	4.8 × 26/10	5	26	10	0.7	1.0	100
137738	4.8 × 30/15	5	30	15	0.7	1.0	100
137739	4.8 × 35/20	5	35	20	0.7	1.0	100
137740	4.8 × 40/25	5	40	25	0.7	1.0	100
137741	4.8 × 50/35	5	50	35	0.7	1.0	100

1 kN ≈ 100 kg (98.1 kg) Safety coefficient 5.



## EXPRESS

fast nail



### Application

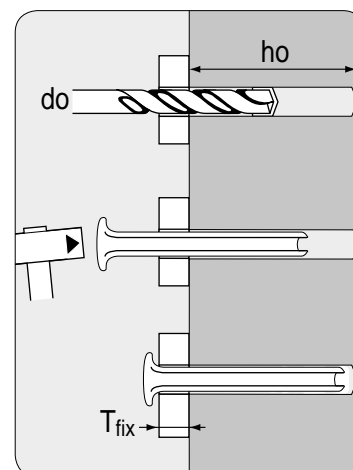


Concrete



### Properties and benefits

- Very fast installation: drill, hammer and ready!
- All fasteners are clearly marked
- Three diameters: Ø 5, Ø 6 and Ø 8



### PRODUCT RANGE and TECHNICAL SPECIFICATION

Part number:	Dimensions (mm)	do Drill bit Ø (mm)	W Length (mm)	t <sub>fix</sub> Max. thickness of the material to be fastened (mm)	ho Min. anchor- age depth (mm)	N <sub>rec</sub> Recom- mended pull-out resistance, concrete (kN)	N <sub>rec</sub> Recom- mended shear load, concrete (kN)	Pcs/box
<b>EXPRESS - CHROMED</b>								
150630	5 × 26/6	5	26	6	23	0.50	0.50	100
150631	5 × 50/30	5	50	30	23	0.50	0.50	100
150632	6 × 60/30	6	60	30	33	0.83	0.83	100
150633	6 × 80/50	6	80	50	30	0.83	0.83	100
150634	8 × 70/30	8	70	30	40	1.33	1.33	100
150635	8 × 90/50	8	90	50	40	1.33	1.33	100
150636	8 × 110/70	8	110	70	40	1.33	1.33	100
150637	8 × 130/90	8	130	90	40	1.33	1.33	100

1 kN ≈ 100 kg (98.1 kg) Safety coefficient: 5.

## ISO

hammer-set insulation material fastener



ETA  
04/0076



### Application



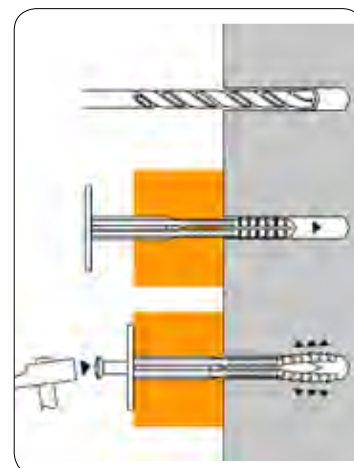
Concrete



Brick

### Properties and benefits

- European Technical Approval
- High concrete pull-out resistance
- Length: 60–235 mm
- Insulation layer thickness: 30–205 mm



### PRODUCT RANGE and TECHNICAL SPECIFICATION

Part number:	Dimensions (mm)	do Drill bit Ø (mm)	W Length (mm)	t <sub>fix</sub> Max. thickness of the fastening material (mm)	Head Ø (mm)	h <sub>o</sub> Depth of the hole to be drilled (mm)	Pcs/box	N <sub>rec</sub> Pull-out resistance, concrete (kN)	N <sub>rec</sub> Pull-out resistance, brick (kN)	N <sub>rec</sub> Pull-out resistance, aerated brick (kN)
<b>SPIT ISO</b>										
057600	10 x 60/30	10	60	30	50	50	200	0.11	0.11	0.035
057611	10 x 95/65	10	95	65	60	50	200	0.27	0.27	0.14
060001	10 x 115/85	10	115	85	60	50	200	0.27	0.27	0.14
057630	10 x 130/105	10	130	105	60	50	200	0.27	0.27	0.14
057640	10 x 150/125	10	150	120	60	50	200	0.27	0.27	0.14
057650	10 x 175/145	10	175	145	60	50	200	0.27	0.27	0.14
057651	10 x 195/165	10	195	165	60	50	200	0.27	0.27	0.14
057652	10 x 215/185	10	215	185	60	50	200	0.27	0.27	0.14
057653	10 x 235/205	10	235	205	60	50	200	0.27	0.27	0.14

1 kN ≈ 100 kg (98.1 kg)

## ISO N

hammer-set insulation material fastener



ETA  
13/0994



### Application



Concrete



Brick



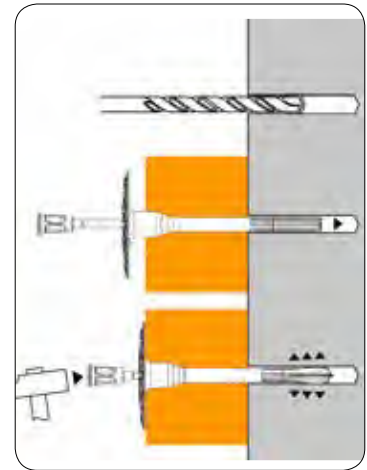
Lightweight

### Properties and benefits

- European Technical Approval
- High concrete pull-out resistance
- Small anchorage depth, only 25 mm
- Length: 75–295 mm
- Insulation layer thickness: 40–260 mm



concrete



### TECHNICAL SPECIFICATION

	do		N <sub>rec</sub>	N <sub>rec</sub>	N <sub>rec</sub>
Type	Drill bit Ø (mm)	Depth of the hole to be drilled (mm)	Pull-out resistance, concrete (kN)	Pull-out resistance, aerated brick (kN)	Pull-out resistance, lightweight concrete (kN)
SPIT ISO N	8	40	0.32	0.11	0.32

1 kN ≈ 100 kg (98.1 kg)

### PRODUCT RANGE

Part number:	Dimensions (mm)	do	W	t <sub>fix</sub>	Head Ø (mm)	hef	Pcs/box
		Drill bit Ø (mm)	Length (mm)	Max. thickness of the fastening material (mm)		Min. anchorage depth (mm)	
<b>SPIT ISO N</b>							
012588	8 × 75/40	8	75	40	60	25	200
012589	8 × 95/60	8	95	60	60	25	200
012590	8 × 115/80	8	115	80	60	25	200
012591	8 × 135/100	8	135	100	60	25	200
012592	8 × 155/120	8	155	120	60	25	200
012593	8 × 175/140	8	175	140	60	25	100
012594	8 × 195/160	8	195	160	60	25	100
012595	8 × 215/180	8	215	180	60	25	100
012596	8 × 235/200	8	235	200	60	25	100
012597	8 × 255/220	8	255	220	60	25	100
012598	8 × 275/240	8	275	240	60	25	100
012599	8 × 295/260	8	295	260	60	25	100

## ISOMET

fire resistant insulation fastener



CTSB  
no. 86.24642



### Application



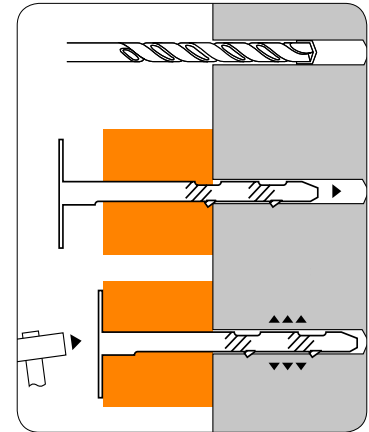
Concrete



Brick

### Properties and benefits

- From solid metal
- Fire resistance pursuant to CSTB standard
- Fast and simple installation through insulation material
- Excellent for installing concrete ceilings of parking houses for example.
- Length: 80-300 mm
- Insulation layer thickness: 30-250 mm



### TECHNICAL SPECIFICATION

Type	do Drill bit Ø (mm)	Depth of the hole to be drilled (mm)	N <sub>rec</sub> Recommended pull-out resistance, cracked concrete (kN)	N <sub>rec</sub> Recommended pull-out resistance, brick (kN)
ISOMET, A4	8	60	0.20	0.1
ISOMET GALV	8	60	0.15	0.1

1 kN ≈ 100 kg (98.1 kg)

### PRODUCT RANGE

Part number:	Dimensions (mm)	do Drill bit Ø (mm)	W Length (mm)	t <sub>fix</sub> Max. thickness of the fastening material (mm)	Head Ø (mm)	hef Min. anchorage depth (mm)	Pcs/ /box
<b>SPIT ISOMET – A4, FIRE RESISTANT</b>							
059700	8 × 80/30	8	80	30	35	50	250
059710	8 × 110/60	8	110	60	35	50	250
059720	8 × 140/90	8	140	90	35	50	250
<b>SPIT ISOMET – GALV, FIRE RESISTANT</b>							
059730	8 × 80/30	8	80	30	35	50	250
059740	8 × 110/60	8	110	60	35	50	250
059880	8 × 120/70	8	120	70	35	50	250
059750	8 × 140/90	8	140	70	35	50	250
059760	8 × 170/120	8	170	120	35	50	250
059770	8 × 200/150	8	200	150	35	50	250
055291	8 × 250/200	8	250	200	35	50	200
055643	8 × 300/250	8	300	250	35	50	200

## ISO S- screw-in insulation fastener



ETA  
13/0560



### Application



Concrete



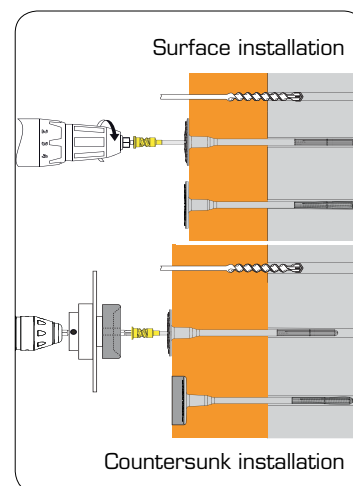
Brick



Lightweight  
concrete

### Properties and benefits

- European Technical Approval
- Surface and countersunk installation
- Excellent pull-out resistance
- Small anchorage depth, only 25 mm
- For all common materials.
- Length: 95-475 mm
- Insulation layer thickness: 60-440 mm



### TECHNICAL SPECIFICATION

Type	do Drill bit Ø (mm)	Depth of the hole to be drilled (mm)	N <sub>rec</sub> Pull-out resistance, concrete (kN)	N <sub>rec</sub> Pull-out resistance, aerated brick (kN)	N <sub>rec</sub> Pull-out resistance, light- weight concrete (kN)
SPIT ISO S	8	35	0.54	0.27	0.54

1 kN ≈ 100 kg (98.1 kg)



## ISO S

screw-in insulation fastener



### PRODUCT RANGE

Part number:	Dimensions (mm)	do Drill bit Ø (mm)	W Length (mm)	t <sub>fix</sub> Max. thickness of the fastening material (mm)	Head Ø (mm)	hef Min. anchor- age depth (mm)	Pcs/ box
<b>SPIT ISO S</b>							
012566	8 × 95/60	8	95	60	60	25	200
012567	8 × 115/80	8	115	80			200
012568	8 × 135/100	8	135	100			200
012569	8 × 155/120	8	155	120			200
012572	8 × 175/140	8	175	140			100
012573	8 × 195/160	8	195	160			100
012574	8 × 215/180	8	215	180			100
012575	8 × 235/200	8	235	200			100
012576	8 × 255/220	8	255	220			100
012577	8 × 275/240	8	275	240			100
012578	8 × 295/260	8	295	260			100
012579	8 × 315/280	8	315	280			100
012580	8 × 335/300	8	335	300			100
012581	8 × 355/320	8	355	320			100
012582	8 × 375/340	8	375	340			100
012583	8 × 395/360	8	395	360			100
012584	8 × 415/380	8	415	380			100
012585	8 × 435/400	8	435	400			100
012586	8 × 455/420	8	455	420	100		
012587	8 × 475/440	8	475	440	100		

### ACCESSORIES

Part number:	Description	Content
054901	ISO S-I INSTALLATION TOOL, TX30	1 Pcs/box
054902	ISO S INSTALLATION TOOL SPARE TIP, TX30	1 Pcs/box
054900	ISO S COUNTERSUNK INSTALLATION FLANGE, EPS	100 Pcs/box
054957	ISO S COUNTERSUNK INSTALLATION FLANGE, WOOL	100 Pcs/box
054897	ISO S DOWEL FOR COUNTERSUNK INSTALLATION, EPS, WHITE	100 Pcs/box
054898	ISO S DOWEL FOR COUNTERSUNK INSTALLATION, EPS, GREY	100 Pcs/box
054899	ISO S DOWEL FOR COUNTERSUNK INSTALLATION, WOOL	100 Pcs/box
057655	ISO S EXPANSION WASHER, 90 MM	200 Pcs/box
054929	ISO S EXPANSION WASHER, 140 MM	100 Pcs/box

054901



054902



054900



054957



054929



054897



054898



054899



057655



## TAPCON® screw anchors



Tapcon 4



Tapcon III



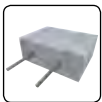
Tapcon ROD



ETA Option 1  
12/0522 (4)  
11/0073 (III)



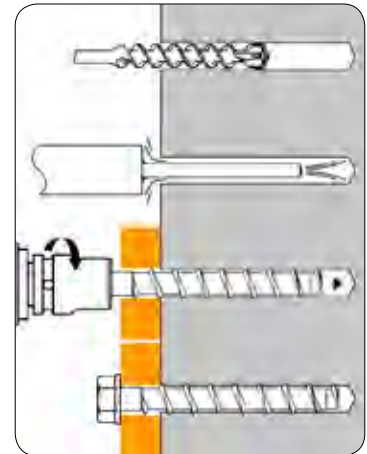
### Application



Concrete

### Properties and benefits

- Self-drilling concrete screws with excellent hold
- Thread provides safe fastening within the entire length of the anchor and maximum hold with minimum torsion moment.
- As no expansion pressure is imposed on the fastening, they can be fastened close to one another and close to the edge.
- Due to a low interim thread the anchor sets straight in the drilled hole.
- Only one fastening element: simple and inexpensive
- It is easy to remove the anchor from the base material



anchor length  
↓  
**TAPCON® 4**  
**14 x 80/20**  
↑                      ↑  
drill bit size      Max. thickness  
   of the material  
   to be fastened



## TAPCON® 4

screw anchors



ETA Option 1  
12/0522  
See European  
Technical Approval

### PRODUCT RANGE and TECHNICAL SPECIFICATION – TAPCON 4

Part number:	Name	do Drill bit Ø (mm)	W Length (mm)	t <sub>fix</sub> Max. thick- ness of the material to be fastened (mm)	h <sub>0</sub> Drilling depth (mm)	h <sub>min</sub> Min. thick- ness of the base material (mm)	T <sub>inst</sub> Setting torque (Nm)	Key Key size (mm)	S Anchor distance (mm)	C Distance from the edge (mm)	N <sub>Rd</sub> Pull- out resistance (kN)	V <sub>Rd</sub> Cutt ing (kN)	Pcs/ box	Boxes/ del.pack
<b>SCREW ANCHORS TAPCON 4 – GALVANISED – FILLISTER HEAD, TORX</b>														
155810	6 × 50/10	6	50	10	45	100	20	TX30	100	50	3.3	6.0	100	6
155811	6 × 75/20	6	75	20	65	100	20	TX30	100	50	6.0	6.0	100	6
<b>SCREW ANCHORS TAPCON 4 – GALVANISED – HEXAGONAL HEAD, FLANGED</b>														
155812	5 × 30/5	5	30	5	35	100	10	8	80	40	2.0	4.0	200	6
155813	5 × 40/10	5	40	10	45	100	10	8	80	40	3.3	4.0	100	6
155814	5 × 50/5	5	50	5	45	100	10	8	80	40	3.3	4.0	100	6
155815	5 × 75/30	5	75	30	65	100	10	8	80	40	6.0	4.0	100	6
155816	5 × 100/55	5	100	55	65	100	10	8	80	40	6.0	4.0	100	6
155817	6 × 30/5	6	30	5	35	100	20	10	100	50	2.0	6.0	100	6
155818	6 × 50/10	6	50	10	45	100	20	10	100	50	3.3	6.0	100	6
155819	6 × 75/20	6	75	20	65	100	20	10	100	50	6.0	6.0	100	6
155820	6 × 100/45	6	100	45	65	100	20	10	100	50	6.0	6.0	100	6
155821	6 × 120/65	6	120	65	65	100	20	10	100	50	6.0	6.0	50	6
155822	8 × 60/10	8	60	10	65	110	30	13	120	60	6.0	11.3	50	6
<b>SCREW ANCHORS TAPCON 4 – MECHANICALLY ZINC-COATED, 45µ – COUNTERSUNK HEAD, TORX</b>														
155823	5 × 30/5	5	30	5	35	100	10	TX25	80	40	2.0	4.0	200	6
155824	5 × 50/5	5	50	5	45	100	10	TX25	80	40	3.3	4.0	100	6
155825	5 × 75/30	5	75	30	65	100	10	TX25	80	40	6.0	4.0	100	6
155826	5 × 100/55	5	100	55	65	100	10	TX25	80	40	6.0	4.0	100	6
155827	6 × 30/5	6	30	5	35	100	20	TX30	100	50	2.0	6.0	100	6
155828	6 × 50/10	6	50	10	55	100	20	TX30	100	50	3.3	6.0	100	6
155829	6 × 75/20	6	75	20	65	100	20	TX30	100	50	6.0	6.0	100	6
155830	6 × 100/45	6	100	45	65	100	20	TX30	100	50	6.0	6.0	100	6
155831	6 × 130/75	6	130	75	65	100	20	TX30	100	50	6.0	6.0	100	4
<b>SCREW ANCHORS TAPCON 4 – MECHANICALLY ZINC-COATED, 45µ – COUNTERSUNK HEAD, FLANGED</b>														
155832	5 × 40/5	5	40	5	45	100	10	8	80	40	3.3	4.0	100	6
155833	5 × 50/5	5	50	5	45	100	10	8	80	40	3.3	4.0	100	6
155834	5 × 75/30	5	75	30	65	100	10	8	80	40	6.0	4.0	100	6
155835	5 × 100/55	5	100	55	65	100	10	8	80	40	6.0	4.0	100	6
155836	6 × 50/15	6	50	15	45	100	20	10	100	50	3.3	6.0	100	6
155837	6 × 75/20	6	75	20	65	100	20	10	100	50	6.0	6.0	100	6
155838	6 × 100/45	6	100	45	65	100	20	10	100	50	6.0	6.0	100	6
155839	6 × 150/95	6	150	95	65	100	20	10	100	50	6.0	6.0	50	4
155840	8 × 60/10	8	60	10	65	110	30	13	120	60	6.0	11.3	50	6
155841	8 × 75/10 ETA	8	75	10	75	120	30	13	120	60	8.0	11.3	50	6
155842	8 × 100/35 ETA	8	100	35	75	120	30	13	120	60	8.0	11.3	50	6
155843	8 × 130/65 ETA	8	130	65	75	120	30	13	120	60	8.0	11.3	50	4
155844	8 × 150/85 ETA	8	150	85	75	120	30	13	120	60	8.0	11.3	50	4
155845	10 × 60/10	10	60	10	70	130	40	15	140	70	8.0	17.9	50	6
155846	10 × 75/15	10	75	15	85	130	40	15	140	70	10.7	17.9	50	6
155847	10 × 100/25 ETA	10	100	25	85	130	40	15	140	70	10.7	17.9	25	6
155848	10 × 130/55 ETA	10	130	55	85	130	40	15	140	70	10.7	17.9	25	4
155849	10 × 150/75 ETA	10	150	75	85	130	40	15	140	70	10.7	17.9	25	4
152166	14 × 80/20, 20µ	14	80	20	80	150	60	24	180	90	10.7	35.7	10	6
155851	14 × 100/35, 20µ	14	100	35	80	150	60	18	180	90	10.7	35.7	10	6
155852	14 × 130/15, 20µ	14	130	15	125	150	60	18	180	90	23.3	35.7	10	4
155853	14 × 150/35, 20µ	14	150	35	125	150	60	18	180	90	23.3	35.7	10	4

With the same 24 mm key as in case of the bolt of "Vemo" element.



Galvanised, fillister head (Torx)



Galvanised, hexagonal head, flanged



Mechanically zinc-coated, 45 µ, countersunk head (Torx)



Mechanically zinc-coated, 45 µ, countersunk head, flanged

## TAPCON® III

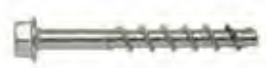
screw anchors



ETA Option 1  
11/0073

### PRODUCT RANGE and TECHNICAL SPECIFICATION – TAPCON III

Part number:	Dimensions (mm)	do Drill bit size (mm)	W Length (mm)	t <sub>fix</sub> Max. thickness of the fastening material (mm)	Key gap (mm)	Pcs/box	Boxes/del. pack
<b>SCREW ANCHOR TAPCON III – ACID-PROOF, A4 – COUNTERSUNK HEAD</b>							
055674	8 × 80/15 TX40	8	80	15	TX40	50	6
<b>SCREW ANCHOR TAPCON III – ACID-PROOF, A4 – HEXAGONAL HEAD, FLANGED</b>							
055676	8 × 80/15	8	80	15	13	50	6
055677	10 × 100/15	10	100	15	15	50	4



Tapcon III A4	D Anchor Ø (mm)	do Drill bit Ø (mm)	W Length (mm)	t <sub>fix</sub> Max. thickness of the material to be fastened (mm)	h <sub>o</sub> Drilling depth (mm)	h <sub>min</sub> Min. thickness of the base material (mm)	N <sub>Rd</sub> Design load, pull-out resistance, non-cracked concrete (kN)	V <sub>Rd</sub> Design load, share load, non-cracked concrete (kN)
8	10.5	8	80	15	75	120	8.0	14.0
10	12.5	10	100	15	95	130	18.9	26.7

1 kN ≈ 100 kg (98.1 kg) Setting torque: finish tensioning immediately, when the head reaches the material to be fastened.

## TAPCON® ROD

screw anchors

### PRODUCT RANGE – TAPCON ROD

Part number:	Dimensions (mm)	do Drill bit size (mm)	W Length (mm)	t <sub>fix</sub> Max. thickness of the fastening material (mm)	Pcs/box	Boxes/del. pack
<b>SCREW ANCHORS TAPCON ROD – GALVANISED</b>						
016648	6 × 35, M8 female thread	6	35	2	50	6
016649	6 × 35, M10 female thread		35	2	50	6



## UDZ

suspended ceiling anchor



ETA  
05/0038

### Application

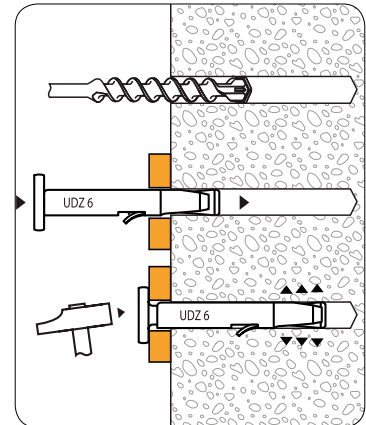


Concrete

Fixing on ceiling, metal profiles, chains, pipes, etc.

### Properties and benefits

- A suspended ceiling anchor with excellent hold!
- European Technical Approval for cracked and non-cracked concrete.
- Simple 2-step installation process speeds up the job: drill, hit and you are ready!



### PRODUCT RANGE and TECHNICAL SPECIFICATION

Part number:	Dimensions (mm)	Anchor Ø (mm)	Drill bit Ø (mm)	Anchor depth (mm)	Max. thickness of the fastening material (mm)	Drilling depth (mm)	Min. thickness of the base material (mm)	Design load, pull-out resistance, cracked concrete (kN)	Min. anchoring distance (mm)	Min. distance from the edge (mm)	Pcs./box	Boxes/packaging
<b>SPIT UDZ</b>												
057228	6 x 35/5	6	6	30	5	50	80	1.0	200	100	200	10
<i>1 kN ≈ 100 kg (98.1 kg)</i>												

## BRASS

brass anchor



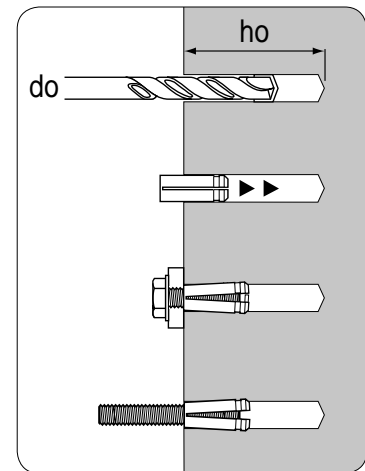
### Application



Concrete

### Properties and benefits

- Inexpensive anchoring for light fixing on the ceiling
- Thoroughly coated, with grooves penetrating in the fastening surface
- Very easy to install: the base material and threaded rod/bolt are fastened simultaneously



### TECHNICAL SPECIFICATION

	do	ho	hmin	N <sub>rec</sub>	T <sub>inst</sub>
	Drill bit Ø (mm)	Min. drilling depth (mm)	Min. thickness of the base material (mm)	Recommended pull-out resistance, cracked concrete (kN)	Setting torque (Nm)
M4	5	22	50	0.05	4
M6	8	30	60	0.4	9
M8	10	35	70	0.6	20

1 kN ≈ 100 kg (98.1 kg)

### PRODUCT RANGE

Part number:	Dimensions (mm)	Drill bit Ø (mm)	Anchor length (mm)	Drilling depth (mm)	Pcs/box	Boxes/del. pack
<b>BRASS ANCHOR</b>						
052469	M4 × 16	5	16	22	200	15
150205	M6 × 23	8	23	30	100	
150206	M8 × 28	10	28	35	100	
150207	M10 × 34	12	34	40	25	
150208	M12 × 41	14	41	50	10	

## GRIP

### hammer-set anchors



GRIP



GRIP L



GRIP A4

### Application



Concrete

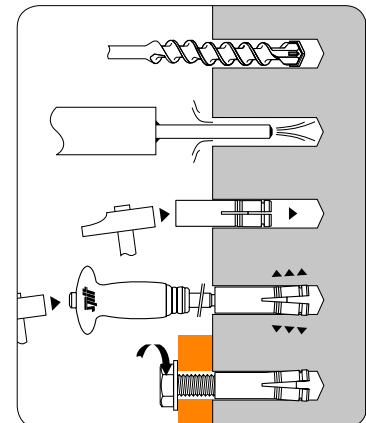
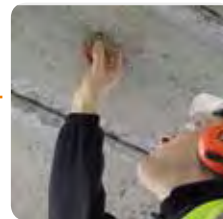
For fastening steel structures, equipment, devices, pipes, shelves and poles to non-cracked concrete.

### Properties and benefits

- Of high-quality, safe and European
- External grooves ensure secure fastening to concrete and rock
- Due to thinner central part easy to install. For installation 20% less impact force is required.
- The set includes clear installation instructions
- Galvanised or acid-proof (A4).



ETA Option 7  
05/053  
ETA Option 7  
06/0268 (A4)



The pre-requision of European Technical Approval is the use of Spit installation tool. **Attention! In case the anchor is correctly installed, a stamp is visible.**

### TECHNICAL SPECIFICATION

		do	ho	hmin	NRd	VRd	Smin	Cmin	Tinst
GRIP GRIP L	Anchor Ø (mm)	Drill bit Ø (mm)	Drilling depth (mm)	Min. thickness of the base material (mm)	Design load, pull-out resistance, non-cracked concrete (kN)	Design load, shear load, non-cracked concrete (kN)	Min. an- choring distance (mm)	Min. dis- tance from the edge (mm)	Setting torque (Nm)
M6	6	8	32	100	3.1	3.3	60	105	5
M8	8	10	33	100	5.2	5.7	70	105	10
M10	10	12	43	100	8.1	8.7	95	140	22
M12	12	15	54	100	14.6	9.0	125	195	36
M16	16	20	70	130	16.6	28.8	130	227	80
<b>GRIP A4</b>									
M6	6	8	32	100	3.7	4.5	60	105	5
M8	8	10	33	100	5.2	6.4	70	105	10
M10	10	12	43	100	7.7	8.3	95	140	22
M12	12	15	54	100	10.6	16.6	125	195	36
M16	16	20	70	130	15.6	26.9	130	227	80

1 kN ≈ 100 kg (98.1 kg)

## GRIP

hammer-set anchors



ETA Option 7  
05/053  
ETA Option 7  
06/0268 (A4)

### PRODUCT RANGE – GRIP and GRIP L

Part number:	Dimensions (mm)	Anchor Ø (mm)	Anchor Length (mm)	Drilling depth (mm)	Drill bit Ø (mm)	Pcs/box	Boxes/del. pack
<b>SPIT GRIP – GALVANISED</b>							
062040	M6 × 30	6	30	32	8	100	4
062050	M8 × 30	8	30	33	10	100	4
062060	M10 × 40	10	40	43	12	100	4
062070	M12 × 50	12	50	54	15	50	4
062080	M16 × 65	16	65	70	20	20	4
<b>SPIT GRIP L – GALVANISED, FLANGED</b>							
050789	M6 × 30	6	30	32	8	100	4
050790	M8 × 30	8	30	33	10	100	4
050791	M10 × 40	10	40	43	12	100	4
050792	M12 × 50	12	50	54	15	50	4
050793	M16 × 65	16	65	70	20	20	4
057185	M16 × 65	16	65	70	20	100	



Part number:	Dimensions (mm)	Pcs/box
<b>GRIP AND GRIP L INSTALLATION TOOLS</b>		
050922	M6 × 30	1
050923	M8 × 30	1
050924	M10 × 40	1
050925	M12 × 50	1
050926	M16 × 65	1



The pre-requisition of European Technical Approval is the use of Spit installation tool.

### PRODUCT RANGE – GRIP A4

Part number:	Dimensions (mm)	Anchor Ø (mm)	Anchor Length (mm)	Drilling depth (mm)	Drill bit Ø (mm)	Pcs/box	Boxes/del. pack
<b>GRIP A4 – ACID-PROOF</b>							
062240	M6 × 30	6	30	32	8	100	12
062250	M8 × 30	8	30	33	10	100	12
062260	M10 × 40	10	40	43	12	50	12
062270	M12 × 50	12	50	54	15	50	6
062280	M16 × 65	16	65	70	20	25	



Part number:	Dimensions (mm)	Pcs/box
<b>GRIP A4 INSTALLATION TOOLS</b>		
050214	M6 × 30	1
050215	M8 × 30	1
050216	M10 × 40	1
050217	M12 × 50	1
050218	M16 × 65	1



The pre-requisition of European Technical Approval is the use of Spit installation tool.





# BORN TO PERFORM



## FIX Z XTREM pages 118-119

**A wedge anchor to critical installation locations**

- A wide product range suitable for sites with seismic performance category C1 and C2.
- A high quality wedge anchor can be used in cracked, as well as non-cracked concrete.
- Fast and easy installation due to a special shape.

## TRIGA Z XTREM pages 126-127

**Very efficient power anchor**

- Available with three different heads.
- High pull-out resistance.
- Improved fire resistance
- The anchor locks always securely and does not move from its place during fastening

## EPCON C8 XTREM pages 128-129

**Injection mortar for anchoring profile steel for example.**

- Very efficient epoxy resin for use in cracked and non-cracked concrete
- ETA Option 1 acknowledgment.
- Also for use in wetted installation areas.
- 4-hour fire resistance

## B-LONG XTREM pages 101-102

**A general dowel for frames with a special screw**

- European Technical Approval for installing in concrete and bricks.
- Flexible application possibilities for fastening non load-bearing materials.
- Zin-coated or acid-proof
- Three anchorage depths



## FIX Z XTREM

galvanised wedge anchor



European Technical Approval for cracked and non-cracked concrete, also in seismic conditions.



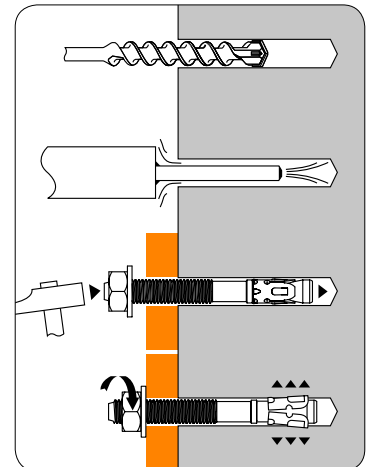
### Application



Concrete

### Properties and benefits

- ETA Option 1 acknowledgment (15/0388)
- Thicker flange ensures excellent hold
- A wide product range can be used even in areas with seismic performance categories C1 and C2.
- Fast and easy installation due to a special shape.



### TECHNICAL SPECIFICATION

	do	h0 min	hef	hmin	NRd	VRd	Smin	Cmin	Tinst
							cracked	concrete	
FIX Z XTREM	Drill bit Ø (mm)	Min. drilling depth (mm)	Effective anchorage depth (mm)	Min. thickness of the base material (mm)	Design load, pull-out resistance, cracked concrete (kN)	Design load, shear load, cracked concrete (kN)	Min. anchoring distance (mm)	Min. distance from the edge (mm)	Setting torque (Nm)
M8	8	60	46	100	4.5	11.9	75	50	20
M10	10	75	60	120	9.2	13.3	90	55	45
M12	12	90	70	140	13.8	16.9	145	60	60
M16	16	110	85	170	19.0	37.4	110	80	110
M20	20	130	100	200	34.8	52.8	130	100	160

1 kN ≈ 100 kg (98.1 kg)

## FIX Z XTREM

galvanised wedge anchor



### PRODUCT RANGE

Part number:	Dimensions (mm)	do Drill bit Ø (mm)	W Length (mm)	tfix Max. thickness of the fastening material (mm)	h0 min Min. drilling depth	hnom Min. installation depth	Marked head	Pcs/ box	Box- es/ del. pack
<b>SPIT FIX Z XTREM - GALVANISED</b>									
057763	8 x 65/5	8	65	5	60	51	B	100	4
057764	8 x 75/15		75	15			D	100	4
057765	8 x 90/30		90	30			E	50	4
057766	8 x 120/60		120	60			G	50	4
057788	8 x 130/70		130	70			I	50	4
057768	10 x 85/5		10	85			5	75	68
057769	10 x 90/10	90		10	E	50	4		
057770	10 x 100/20	100		20	F	25	4		
057771	10 x 120/40	120		40	G	25	4		
057772	10 x 140/60	140		60	I	25	4		
057773	10 x 160/80	160		80	-	25	4		
057774	12 x 100/5	12	100	5	90	80	E	25	4
057775	12 x 105/10		105	10			F	25	4
057776	12 x 115/20		115	20			G	25	4
057777	12 x 135/40		135	40			I	25	4
057778	12 x 155/60		155	60			J	25	4
057779	12 x 180/85		180	85			W	20	4
057781	16 x 145/25	16	145	25	110	98	I	10	4
057782	16 x 170/50		170	50			H	10	4
057783	16 x 180/60		180	60			W	10	4
057785	20 x 170/30	20	170	30	130	113	H	10	4
057786	20 x 200/60		200	60			M	10	4
057787	20 x 220/80		220	80			O	10	4



Marked head



## FIX 3

galvanised wedge anchor



ETA Option 7  
13/0005



A wedge anchor with European Technical Approval for fastening poles, beams, truss-beams and panels, truss-beam hold is only limited by the thickness of the concrete.



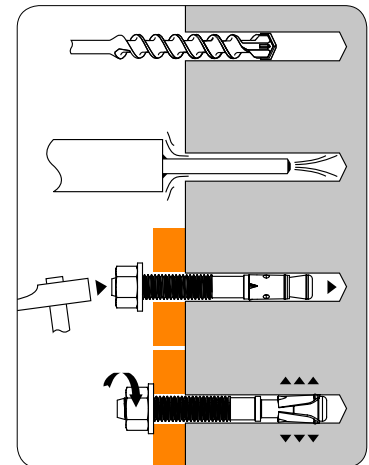
### Application



Concrete

### Properties and benefits

- ETA Option 7 certificate
- Manufactured in Europe
- 30% more powerful – the only limit is concrete itself.
- 20% better edge distance value compared to FIX II wedge anchors.
- Clear flange and head markings assist installation and post-inspection
- Instructions in the package assists fastening and loading necessary documents of permit (DoP)



### TECHNICAL SPECIFICATION

	d <sub>o</sub>	h <sub>0</sub> min	h <sub>ef</sub> max	h <sub>min</sub>	N <sub>rd</sub>	V <sub>rd</sub>	S <sub>min</sub>	C <sub>min</sub>	T <sub>inst</sub>
FIX 3	Drill bit Ø (mm)	Min. drilling depth (mm)	Max. effective anchorage depth (mm)	Min. thickness of the base material (mm)	Design load, pull-out resistance, in cracked concrete, if h <sub>ef</sub> max (kN)	Design load, shear load, cracked concrete (kN)	Min. anchoring distance (mm)	Min. distance from the edge (mm)	Setting torque (Nm)
M6	6	41	35	100	3.8	2.3	40	50	10
M8	8	50	40	80	10.5	8.0	40	50	15
M10	10	60	50	100	13.5	11.0	50	65	30
M12	12	75	65	100	21.1	21.9	100	100	50
M16	16	95	80	130	31.3	29.2	100	100	100
M20	20	110	100	150	41.8	47.4	100	115	160

1 kN ≈ 100 kg (98.1 kg)

## FIX 3

galvanised wedge anchor

PRODUCT RANGE									
Part number:	Dimensions (mm)	do	W	tfix	h0 min	hnom	Marked head	Pcs/box	Boxes/del. pack
		Drill bit Ø (mm)	Length (mm)	Max. thickness of the fastening material (mm)	Min. drilling depth (mm)	Min. anchorage depth			
<b>SPIT FIX3 - GALVANISED</b>									
050510	6 x 45/5	6	45	5	41	35		100	5
050520	6 x 55/15		55	15				100	5
050530	6 x 85/45		85	45				100	5
057450	8 x 55/5	8	55	5	50	38	-	100	4
057451	8 x 70/20		70	20			C	100	4
057452	8 x 90/40		90	40			E	50	4
057453	8 x 100/50		100	50			F	50	4
057454	8 x 115/65		115	65			G	50	4
057455	8 x 130/80		130	80			h	50	4
057456	8 x 160/110		160	110			J	50	4
057460	10 x 65/5		10	65			5	60	50
057461	10 x 75/15	75		15	C	50	4		
057462	10 x 85/25	85		25	D	50	4		
057463	10 x 95/36	95		36	E	50	4		
057464	10 x 110/50	110		50	F	25	4		
057465	10 x 125/65	125		65	G	25	4		
057466	10 x 140/80	140		80	I	25	4		
057467	10 x 160/100	160		100	J	25	4		
057470	12 x 80/5	12	80	5	75	62	-	25	4
057471	12 x 100/25		100	25			F	25	4
057472	12 x 115/40		115	40			G	25	4
057473	12 x 125/50		125	50			h	25	4
057474	12 x 140/65		140	65			I	25	4
057475	12 x 160/85		160	85			J	25	4
057576	12 x 180/105		180	105			W	20	4
057477	12 x 220/145		220	145			O	20	4
057478	12 x 290/215		290	215				10	-
057480	16 x 100/5		16	100			5	95	80
057481	16 x 125/30	125		30	G	20	4		
057482	16 x 150/55	150		55	I	10	4		
057483	16 x 170/75	170		75	H	10	4		
057484	16 x 185/90	185		90	W	10	4		
057485	16 x 235/140	235		140		10	-		
057486	16 x 300/205	300		205		10	-		
057490	20 x 125/10	20	125	10	110	93	-	10	4
057491	20 x 165/50		165	50			J	10	4
057492	20 x 220/105		220	105			N	10	4



Marked head

## FIX II

### galvanised wedge anchor



Torque-controlled hammer-hit anchor.

### Application

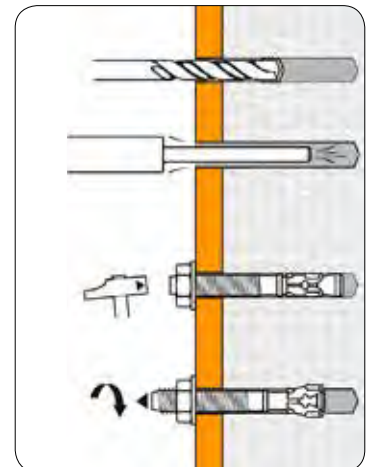


Concrete



### Properties and benefits

- Three expansion elements for efficient fastening
- 45 µm galvanised expansion sleeve.
- A letter marked on the anchor enables to determine the length of the anchor.
- Anchor diameter is the same as the drill bit diameter
- Steel structures, façades, equipment installations, stairs, ladders, pipes, shelves, poles, etc.



### TECHNICAL SPECIFICATION

	do	h0 min	hef max	hmin	Nrd	Vrd	Smin	Cmin	Tinst
FIX II	Drill bit Ø (mm)	Min. drilling depth (mm)	Max. effective anchorage depth (mm)	Min. thickness of the base material (mm)	Design load, pull-out resistance, in cracked concrete, if hef max (kN)	Design load, shear load, cracked concrete (kN)	Min. anchoring distance (mm)	Min. distance from the edge (mm)	Setting torque (Nm)
M8	8	52	48	80	8.4	5.8	40	50	15
M10	10	62	52	100	8.6	9.2	50	65	30
M12	12	75	68	100	14.4	13.3	100	100	50
M16	16	95	86	130	22.1	24.8	100	100	100

1 kN ≈ 100 kg (98.1 kg)

## FIX II

galvanised wedge anchor

### PRODUCT RANGE

Part number:	Dimensions (mm)	do Drill bit Ø (mm)	W Length (mm)	t <sub>fix</sub> Max. thickness of the fastening material (mm)	h <sub>0</sub> min Min. Drilling depth	h <sub>nom</sub> Min. installation depth	Marked head	Pcs/box	Boxes/del. pack
<b>SPIT FIX II – GALVANISED</b>									
050310	8 x 70/20	8	70	20	52	42	C	100	4
050320	8 x 90/40		90	40			E	50	4
050329	8 x 110/60		110	60			F	50	4
050330	8 x 130/80		130	80			h	50	4
050350	10 x 75/15	10	75	15	62	50	C	50	4
050360	10 x 95/36		95	36			E	50	4
050340	10 x 120/60		120	60			G	25	4
050370	10 x 140/80		140	80			I	25	4
050341	10 x 160/100		160	100			J	25	4
055351	12 x 80/5	12	80	5	75	60	-	25	4
055352	12 x 100/25		100	25			E	25	4
055395	12 x 115/40		115	40			G	25	4
050400	12 x 140/65		140	65			I	25	4
050410	12 x 180/105		180	105			W	25	4
050440	16 x 125/30	16	125	30	95	78	G	25	4
050354	16 x 150/55		150	55			I	10	4
050450	16 x 170/75		170	75			H	10	4



Marked head

## FIX Z

acid-proof wedge anchor



ETA Option 1  
05/0044



An anchor with European Technical Approval for use in non-cracked and cracked concrete in complicated conditions.

### Application

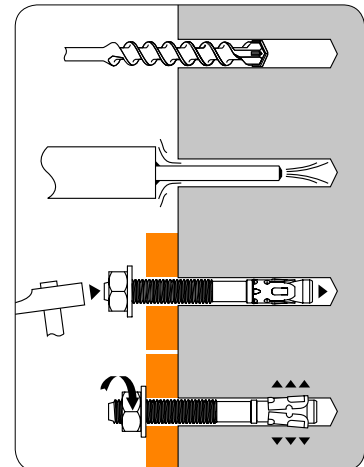


Concrete



### Properties and benefits

- ETA Option 1 acknowledgment for use in non-cracked, as well as cracked concrete.
- Three expansion elements for efficient fastening
- A high quality acid-proof expansion sleeve.
- A letter marked on the anchor enables to determine the length of the anchor.
- Anchor diameter is the same as the drill bit diameter
- Steel structures, façades, equipment installations, stairs, ladders, pipes, shelves, poles, etc.



### TECHNICAL SPECIFICATION

	d <sub>o</sub>	h <sub>0</sub> min	h <sub>ef</sub> max	h <sub>min</sub>	N <sub>rd</sub>	V <sub>rd</sub>	S <sub>min</sub>	C <sub>min</sub>	T <sub>inst</sub>
FIX Z	Drill bit Ø (mm)	Min. drilling depth (mm)	Max. effective anchorage depth (mm)	Min. thickness of the base material (mm)	Design load, pull-out resistance, in non-cracked concrete, if h <sub>ef</sub> max (kN)	Design load, shear load, cracked concrete (kN)	Min. anchoring distance (mm)	Min. distance from the edge (mm)	Setting torque (Nm)
M6	6	41	35	100	3.8	4.1	40	50	10
M8	8	52	48	100	11.5	11.5	40	50	20
M10	10	62	58	100	12.8	16.7	50	65	35
M12	12	75	70	140	14.3	24.1	100	100	50
M16	16	95	86	172	29.4	28.5	100	100	100

1 kN ≈ 100 kg (98.1 kg)



## FIX Z

acid-proof wedge anchor

### PRODUCT RANGE

Part number:	Dimensions (mm)	do Drill bit Ø (mm)	W Length (mm)	t <sub>fix</sub> Max. thickness of the fastening material (mm)	h <sub>0</sub> min Min. drilling depth	h <sub>nom</sub> Min. installation depth	Marked head	Pcs/ box	Box- es/ del. pack
<b>SPIT FIX Z – ACID-PROOF, A4</b>									
054270	6 × 55/20 A4	6	55	20	41	35	–	100	5
050441	8 × 55/5 A4	8	55	5	52	42	–	100	4
054610	8 × 70/20 A4		70	20			C	100	4
055343	8 × 90/40 A4		90	40			E	50	4
050367	8 × 130/80 A4		130	80			H	50	4
050466	10 × 65/5 A4	10	65	5	62	50	–	50	4
054630	10 × 75/15 A4		75	15			C	50	4
054640	10 × 95/35 A4		95	35			E	50	4
050442	10 × 120/60 A4		120	60			G	25	4
055344	12 × 80/5 A4	12	80	5	75	60	–	25	4
055345	12 × 100/25 A4		100	25			E	25	4
055394	12 × 115/40 A4		115	40			G	25	4
054680	12 × 140/65 A4		140	65			I	25	4
050443	16 × 125/30 A4	16	125	30	95	70	G	25	4
054700	16 × 150/55 A4		150	55			I	10	4
050444	16 × 170/75 A4		170	75			H	10	4



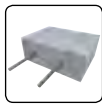
Marked head

## TRIGA Z XTREM

power anchor



### Application

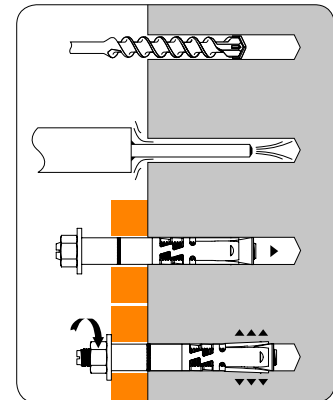
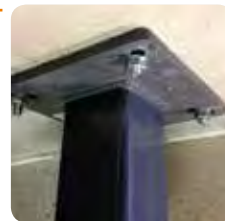


Concrete



### Properties and benefits

- For use in complicated and safety-sensitive fastenings in seismically active areas as well.
- ETA Option 1 acknowledgment for use in non-cracked, as well as cracked concrete (05/0044).
- Classified regarding fire resistance
- A wide choice for different applications
- The best technical parameters on the market
- A flange with a special design improves pull-out resistance
- A compressible, patented Z design performs always also in case the installation surface and/or material to be fastened on are not level.
- Sharp fins prevent rotation of the anchor during tensioning.
- Support structures, safety boundaries, ladders, shelves, equipment installations, etc.



### TECHNICAL SPECIFICATION – TRIGA Z, GALVANISED

	do	h <sub>0</sub> min	hef	h <sub>min</sub>	N <sub>rd</sub>	V <sub>rd</sub>	C <sub>min</sub>	T <sub>inst</sub>
TRIGA Z galvanised	Drill bit Ø (mm)	Drilling depth (mm)	Effective anchorage depth (mm)	Min. thickness of the base material (mm)	Design load, pull-out resistance, cracked concrete (kN)	Design load, shear load, cracked concrete (kN) head V, TF / head E	Min. distance from the edge (mm)	Setting torque (Nm)
M6	10	70	50	100	7.7	20.7 / 12.6	50	15
M8	12	80	60	120	9.9	30.8 / 17.6	60	25
M10	15	90	70	140	17.7	47.0 / 29.1	70	50
M12	18	105	80	160	24.4	66.6 / 41.6	80	80
M16	24	130	100	200	47.0	113.3 / 88.0	100	120
M20	28	157	125	250	60.1	164.8 / 99.9	150	200

### TECHNICAL SPECIFICATION – TRIGA Z, ACID-PROOF, A4

TRIGA Z A4	Drill bit Ø (mm)	Drilling depth (mm)	Effective anchorage depth (mm)	Min. thickness of the base material (mm)	Design load, pull-out resistance, cracked concrete (kN)	Design load, shear load, cracked concrete (kN) head V / head E	Min. distance from the edge (mm)	Setting torque (Nm)
M8	12	80	60	120	14.0	23.6 / 9.5	60	25
M10	15	90	70	140	16.7	36.9 / 15.7	70	50
M12	18	105	80	160	19.2	45.2 / 20.8	80	80

1 kN ≈ 100 kg (98.1 kg)

## TRIGA Z XTREM

power anchor



**PRODUCT RANGE** Products marked with an asterisk [\*] are not provided with European Technical Approval

	do	W	t <sub>fix</sub>	h <sub>o min</sub>	h <sub>nom</sub>			
Dimensions (mm)	Drill bit Ø (mm)	Length (mm)	Max. thickness of the material to be fastened (mm)	Min. drilling depth	Min. installation depth	Pcs/box	Boxes/del. pack	Part number:
<b>TRIGA Z - GALVANISED - COUNTERSUNK HEAD, TX - EUROPEAN TECHNICAL APPROVAL</b>								
TF8 - 12/16	12	85	16	80	60	50	4	050686
TF8 - 12/26		95	26			50	4	053002
TF10 - 15/27	15	105	27	90	70	25	4	050695
TF12 - 18/40	18	130	40	105	80	10	4	050715 *
<b>TRIGA Z - GALVANISED - WITH A NUT - EUROPEAN TECHNICAL APPROVAL</b>								
E6 - 10/50	10	117	50	70	50	100	4	050675
E8 - 12/20	12	99	20	80	60	50	4	050681
E8 - 12/35		114	35			50	4	050683
E8 - 12/55		134	55			50	4	050684
E8 - 12/95		174	95			25	4	050685
E10 - 15/20	15	114	20	90	70	25	4	050691
E10 - 15/35		129	35			25	4	050692
E10 - 15/55		149	55			25	4	050693
E10 - 15/100		194	100			25	4	050694
E12 - 18/25	18	132	25	105	80	25	4	050698
E12 - 18/45		152	45			20	4	050699
E12 - 18/65		172	65			10	4	050701
E12 - 18/100		207	100			20	4	050702
E16 - 24/25	24	159	25	131	100	10	4	050706
E16 - 24/55		189	55			5	4	050707
E16 - 24/100		234	100			5	4	050708
E20 - 28/25	28	192	25	157	125	5	4	050712
E20 - 28/60		227	60			5	4	050713
E20 - 28/100		267	100			5	4	050714
<b>TRIGA Z - GALVANISED - WITH A BOLT - EUROPEAN TECHNICAL APPROVAL</b>								
V6 - 10/5	10		5			100	4	050673
V6 - 10/20		80	20			100	4	050674
V8 - 12/10	12	80	10	70	50	50	4	050678
V8 - 12/20		90	20			50	4	050679
V8 - 12/50		120	50			50	4	053001
V10 - 15/10	15	95	10	80	60	25	4	050688
V10 - 15/20		105	20			25	4	050689
V10 - 15/55		140	55			25	4	053003
V12 - 18/10	18	105	10	90	70	25	4	050696
V12 - 18/25		120	25			25	4	050697
V12 - 18/55		150	55			25	4	053004
V16 - 24/10	24	130	10	105	80	10	4	050704
V16 - 24/25		145	25			10	4	050705
V16 - 24/50		170	50			10	4	050710
V20 - 28/25	28	170	25	131	100	5	4	050711
<b>TRIGA Z - ACID-PROOF, A4 - WITH A NUT</b>								
E8 - 12/45	12	124	45	80	60	50	4	050598 *
E10 - 15/45	15	139	45	90	70	25	4	050604 *
E12 - 18/45	18	152	45	105	80	20	4	050608 *
<b>TRIGA Z - ACID-PROOF, A4 - WITH A BOLT</b>								
V8 - 12/10	12	80	10	80	60	25	5	050595 *
V8 - 12/30		100	30			25	4	050596 *
V10 - 15/25	15	115	25	90	70	25	4	050601 *
<b>TRIGA Z QDC - GALVANISED - WITH A HOOK</b>								
QDC M12-18	18			105	80	5	4	050671 *
<b>TRIGA Z - GALVANISED - WITH A LOOP</b>								
E12-18/A	18			105	80	10	4	050703 *

## EPCON C8 XTREM

injection mortar



Performance provided with European Technical Approval for extreme fastening!



### Application



Concrete



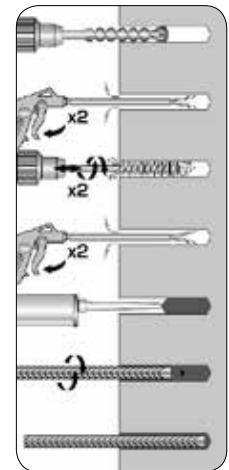
Brick

- Port structures
- Equipment installations
- Bridges, tunnels
- Boundaries, gates, etc.

### Properties and benefits

- For anchoring structural steel and threaded tenons/rods in very extreme conditions
- ETA Option 1 acknowledgment for use in non-cracked, as well as cracked concrete (10/10/O309, 07/O189).
- For extreme conditions, where fastening is exposed to big load, very high or low temperatures, etc.
- Suits also for underwater applications.
- 4-hour fire resistance
- Max. shelf-life 3 months.
- Full epoxy, styrene free, odourless
- Colour grey

5°C → 9°C	20 min.	30 ft.
10°C → 19°C	14 min.	23 ft.
20°C → 24°C	11 min.	16 ft.
25°C → 29°C	8 min.	12 ft.
30°C → 39°C	5 min.	8 ft.
40°C	5 min.	6 ft.



## EPCON C8 XTREM

injection mortar



### INSTALLATION and LOAD – CONCRETE, C20/25 \*

	Anchorage depth (mm)	Drilling depth (mm)	Drill bit Ø (mm)	Min. thickness of the base material (mm)	Setting torque (Nm)	Key size (mm)	Distance of central points (mm)	Edge distance (mm)	Dosing per hole (ml)	Design load, non-cracked concrete (kN)		Design load, cracked concrete (kN)	
	hef	ho	do	hmin	Tinst		S	C		NRd	VRd	NRd	VRd
<b>M8</b>	80	80	10	110	10	13	250	120	4	17.8	7.7	11.6	7.7
<b>M10</b>	90	90	12	120	20	17	300	135	6	25.1	13.2	16.1	13.2
<b>M12</b>	110	110	14	140	30	19	330	165	9	36.8	17.7	23.5	17.7
<b>M16</b>	125	125	18	160	60	24	375	190	16	52.1	32.7	35.3	32.7
<b>M20</b>	170	170	25	220	120	30	510	255	36	83.2	39.3	59.6	39.3
<b>M24</b>	210	210	28	265	200	36	630	315	56	117.4	63.9	87.7	63.9
<b>M30</b>	280	280	35	350	400	41	840	420	110	183.6	90.6	145.1	90.6

1 kN ≈ 100 kg (98.1 kg)

\*] The presented values are valid only in case the required distances have been followed and when the max. installation temperature is +40°C. In case of other installation conditions, use values stipulated in Spit Fixing Design Guide for calculations or contact the technical support of Spit products.

### PRODUCT RANGE and ACCESSORIES

Part number:	Description	Content	Retail packaging
055887	EPCON C8, 450 ML	1 pc + mixing nozzle + extension pipe	12 pieces
055830	INJECTION MORTAR PRESS M450, MANUAL	1 piece	
065990	CLEANING PUMP	1 piece	
152799	CLEANING SET, Ø 11-23 MM	1 piece	



## MULTI-MAX

injection mortar



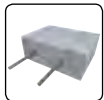
*Performance provided with European Technical Approval for bricks and brick structures!*



ETA - Option 7  
ETA - TR023  
ETA - ETAG 29



### Application



Concrete

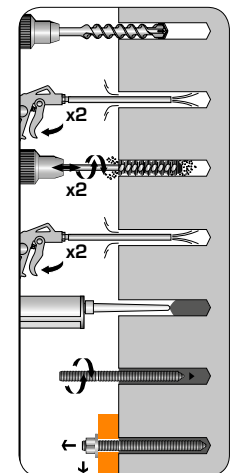


Brick

### Properties and benefits

- For anchoring threaded rods, sleeves, bars and structural steel.
- Triple European Technical Approval, amongst others ETA Option 7.
- Use temperature from  $-5^{\circ}\text{C}$ .
- Max. shelf-life 2.5 years.
- Styrene-free, odourless and 0% VOC pollution.
- Colour grey

$-5^{\circ}\text{C} \rightarrow 0^{\circ}\text{C}$		6 h 00
$1^{\circ}\text{C} \rightarrow 5^{\circ}\text{C}$	18 min.	3 h 00
$6^{\circ}\text{C} \rightarrow 10^{\circ}\text{C}$	12 min.	1 h 30
$11^{\circ}\text{C} \rightarrow 20^{\circ}\text{C}$	6 min.	1 h 00
$21^{\circ}\text{C} \rightarrow 30^{\circ}\text{C}$	4 min.	45 min.
$31^{\circ}\text{C} \rightarrow 40^{\circ}\text{C}$	2 min.	35 min.



## MULTI-MAX

injection mortar



ETA – Option 7  
ETA – TR023  
ETA – ETAG 29

### INSTALLATION and LOAD – CONCRETE, C20/25\*

	Anchorage depth (mm)	Drilling depth (mm)	Drill bit Ø (mm)	Min. thickness of the base material (mm)	Setting torque (Nm)	Key size (mm)	Distance of central points (mm)	Edge distance (mm)	Dosing per hole (ml)	Design load, pull-out resistance (kN)	Design load, shear load (kN)
	hef	ho	do	hmin	Tinst		S	C		N <sub>Rd</sub>	V <sub>Rd</sub>
<b>M8</b>	80	80	10	110	10	13	250	120	4	12.1	7.7
<b>M10</b>	90	90	12	120	20	17	300	135	6	14.1	13.2
<b>M12</b>	110	110	14	140	30	19	330	165	9	19.6	17.7
<b>M16</b>	125	125	18	160	60	24	375	190	16	27.9	32.7
<b>M20</b>	170	170	25	220	120	30	510	255	36	47.5	39.3
<b>M24</b>	210	210	28	265	200	36	630	315	56	66.0	63.9

1 kN ≈ 100 kg (98.1 kg)

\* ) The presented values are valid only in case the required distances have been followed and when the max. installation temperature is +40°C. In case of other installation conditions, use values stipulated in Spit Fixing Design Guide for calculations or contact the technical support of Spit products.

### INSTALLATION AND LOAD – BRICK, 15 mPa or LIGHTWEIGHT CONCRETE, min 500 kg/m<sup>3</sup>

	Anchorage depth (mm)	Drilling depth (mm)	Drill bit Ø (mm)	Min. thickness of the base material (mm)	Setting torque (Nm)	Key size (mm)	Distance of central points (mm)	Edge distance (mm)	Dosing per hole (ml)	Recommended load, pull-out resistance (kN)	Recommended load, shear load (kN)
	hef	ho	do	hmin	Tinst		S	C		N <sub>rec</sub> *	V <sub>rec</sub> *
<b>M8</b>	80	85	10	110	4	13	50**	250	4	1.0	1.0
<b>M10</b>	90	95	12	110	4	17	50**	250	6	1.7	1.7
<b>M12</b>	90	95	14	110	4	19	50**	250	7	1.7	1.7
<b>M16</b>	90	95	18	110	4	24	50**	250	12	1.7	1.7

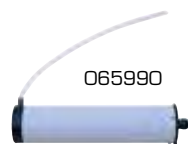
1 kN ≈ 100 kg (98.1 kg)

\* ) The presented values of N<sub>rec</sub>\* and V<sub>rec</sub>\* are recommended. Verify the load-bearing capacity also in the conditions of the site before installation and if needed, contact the technical support of Spit products.

\*\* ) Max. 1 installation per brick.

### PRODUCT RANGE AND ACCESSORIES

Part number:	Description	Content	Retail packaging
060040	MULTI-MAX, 280 ML	1 pc + 2 mixing nozzles	12 pieces
063000	INJECTION MORTAR PRESS M150-300, MANUAL	1 piece	
065990	CLEANING PUMP	1 piece	
152799	CLEANING SET, Ø 11-23 MM	1 piece	

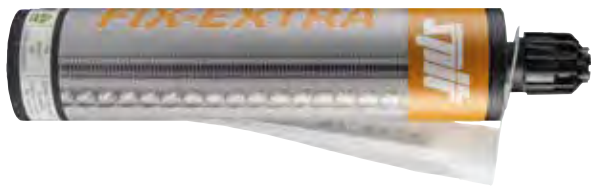


**152799 CLEANING SET**

- T-handle for cleaning brushes, 300 mm
- Extension rod for cleaning brushes, 325 mm
- Cleaning brushes, 11, 13, 15, 23 mm steel and 20 mm plastic
- Blowing pump 065990

## FIX-EXTRA

injection mortar



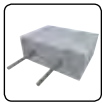
Reliable fastening even down to  $-20^{\circ}\text{C}$ !\*



ETA Option 1  
09/0059



### Application



Concrete

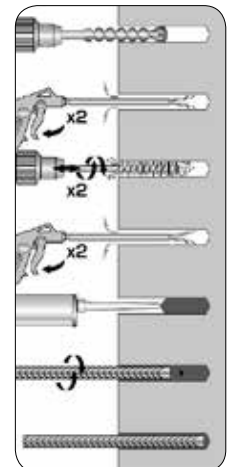


Brick

### Properties and benefits

- For anchoring threaded rods, sleeves, bars and structural steel.
- Various fasteners to concrete, bricks, etc.
- Max. shelf-life 2.5 years.
- \* ETA Option 1 acknowledgement down to  $-10^{\circ}\text{C}$ .

Temperature	Initial setting time	Final setting time
$-10^{\circ}\text{C}$	90 min	24 h
$-5^{\circ}\text{C}$	90 min	14 h
$0^{\circ}\text{C}$	45 min	7 h
$5^{\circ}\text{C}$	25 min	2 h
$10^{\circ}\text{C}$	15 min	1 h 30
$20^{\circ}\text{C}$	6 min	45 min





## FIX-EXTRA

injection mortar



ETA Option 1  
09/0059

### INSTALLATION and LOAD – CONCRETE, C20/25\*

	Anchorage depth (mm)	Drilling depth (mm)	Drill bit Ø (mm)	Min. thickness of the base material (mm)	Setting torque (Nm)	Key size (mm)	Distance of central points (mm)	Edge distance (mm)	Dosing per hole (ml)	Design load, pull-out resistance (kN)	Design load, shear load (kN)
	hef	ho	do	hmin	Tinst		S	C		NRd	VRd
<b>M8</b>	80	90	10	110	10	13	240	120	4	12.0	7.2
<b>M10</b>	95	105	12	125	20	17	285	145	6	19.3	12.0
<b>M12</b>	115	130	14	145	40	19	345	175	9	28.0	16.8
<b>M16</b>	125	145	18	160	80	24	375	190	16	41.8	31.2
<b>M20</b>	170	190	24	210	120	30	510	255	36	71.2	48.8
<b>M24</b>	210	235	28	260	160	36	630	315	56	96.7	70.4
<b>M27</b>	240	270	32	295	180	41	720	360	83	113.1	92.0
<b>M30</b>	270	300	35	330	200	46	810	405	110	127.2	112.0

\*  $f_{ct} \approx 100 \text{ kg/cm}^2 (9.81 \text{ MPa})$   
 \*) The presented values are valid only in case the required distances have been followed and when the max. installation temperature is +40°C. In case of other installation conditions, use values stipulated in Spit Fixing Design Guide for calculations or contact the technical support of Spit products.

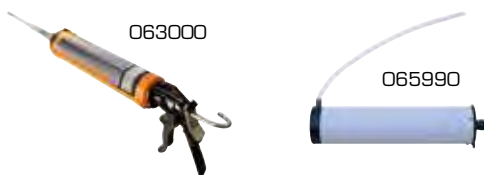
### INSTALLATION AND LOAD – BRICK, 15 mPa or LIGHTWEIGHT CONCRETE, min. 500 kg/m<sup>3</sup>

	Anchorage depth (mm)	Drilling depth (mm)	Drill bit Ø (mm)	Min. thickness of the base material (mm)	Setting torque (Nm)	Key size (mm)	Distance of central points (mm)	Edge distance (mm)	Dosing per hole (ml)	Recommended load, pull-out resistance (kN)	Recommended load, shear load (kN)
	hef	ho	do	hmin	Tinst		S	C		NR*	VR*
<b>M8</b>	80	85	10	110	4	13	50**	250	4	1.0	1.0
<b>M10</b>	90	95	12	110	4	17	50**	250	6	1.7	1.7
<b>M12</b>	90	95	14	110	4	19	50**	250	7	1.7	1.7
<b>M16</b>	90	95	18	110	4	24	50**	250	12	1.7	1.7

\*  $f_{ct} \approx 100 \text{ kg/cm}^2 (9.81 \text{ MPa})$   
 \*) The presented values NR\* and VR\* are recommended. Verify the load-bearing capacity in the conditions of the site as well before installation and if needed, contact the technical support of Spit products.  
 \*\*\*) Max. 1 installation per brick.

### PRODUCT RANGE and ACCESSORIES

Part number:	Description	Content	Retail packaging
138776	FIX-EXTRA, 280 ML	1 pc + mixing nozzle	12 pieces
063000	INJECTION MORTAR PRESS M150-300, MANUAL	1 piece	
065990	CLEANING PUMP	1 piece	
152799	CLEANING SET, Ø 11-23 MM	1 piece	



## MAXIMA

rods and ampoules



ETA Option 7  
03/0008



### Application



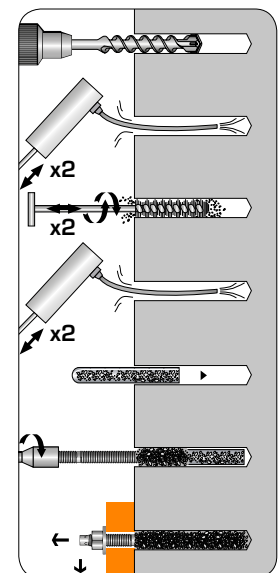
Concrete



Brick

- Labels
- Rails
- Boundaries
- etc.

	-5°C → +0°C	5 ft
	1°C → 9°C	1 ft
	10°C → 18°C	30 min.
	20°C	20 min.



### Properties and benefits

- An air-tight glass ampoule is always ready to be used.
- Great to be used form smaller jobs, as labels, rails, boundaries, etc.
- Always correct dosing without mess.
- Performs also in humid conditions.
- A simple and clean system for using injection mortar.
- Styrene-free
- European Technical Approval (ETA)

### PRODUCT RANGE



Part number:	Type	Drill bit Ø (mm)	Length (mm)	Drilling depth (mm)	Pcs/box	Boxes/del. pack
		do	W	ho		
<b>MAXIMA AMPOULES</b>						
051500	M8	10	80	80	10	48
051510	M10	12	85	90	10	48
051520	M12	14	107	110	10	20
051530	M16	18	107	125	10	20
<b>MAXIMA ROD – GALVANISED</b>						
050950	M8 × 110	10	110	80	10	10
050960	M10 × 130	12	130	90	10	10
050970	M12 × 160	14	160	110	10	10
050980	M16 × 190	18	190	125	10	10
<b>MAXIMA ROD – ACID-PROOF, A4</b>						
052400	M8 × 110, A4	10	110	80	10	10
052410	M10 × 130, A4	12	130	90	10	10
052420	M12 × 160, A4	14	160	110	10	5
052440	M16 × 190, A4	18	190	125	10	5

## MAXIMA

rods and ampoules



ETA Option 7  
03/0008

### INSTALLATION and LOAD – CONCRETE, C20/25 \*

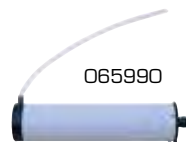
	Anchor- age depth (mm)	Drilling depth (mm)	Drill bit Ø (mm)	Min. thick- ness of the base material (mm)	Setting torque (Nm)	Key size (mm)	Dis- tance of central points (mm)	Edge distance (mm)	Max. thick- ness of the fastening material (mm)	Design load, pull-out resistance (kN)	Design load, shear load (kN)
	h <sub>ef</sub>	h <sub>o</sub>	d <sub>o</sub>	h <sub>min</sub>	T <sub>inst</sub>		S	C	t <sub>fix</sub>	N <sub>Rd</sub>	V <sub>Rd</sub>
<b>M8</b>	80	80	10	110	10	13	160	85	15	10.2	7.6
<b>M10</b>	90	90	12	120	20	17	180	90	20	14.3	11.0
<b>M12</b>	110	110	14	140	30	19	220	110	25	20.9	13.7
<b>M16</b>	125	125	18	160	60	24	250	125	35	31.7	26.0
<b>M20</b>	170	170	25	220	120	30	340	170	65	44.9	46.3
<b>M24</b>	210	210	28	265	200	36	450	210	63	66.5	64.4
<b>M30</b>	280	380	35	350	400	41	560	280	70	84.4	97.7

1 kN ≈ 100 kg (98.1 kg)

\*) The presented values are valid only in case the required distances have been followed and when the max. installation temperature is +40°C. In case of other installation conditions, use values stipulated in Spit Fixing Design Guide for calculations or contact the technical support of Spit products.

### ACCESSORIES

Part num- ber:	Description	Content	Retail pack- aging
065990	CLEANING PUMP	1 piece	
152799	CLEANING SET, Ø 11-23 MM	1 piece	



065990



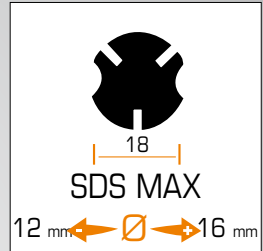
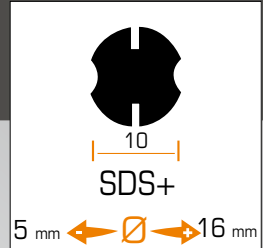
**152799 CLEANING SET**

- T-handle for cleaning brushes, 300 mm
- Extension rod for cleaning brushes, 325 mm
- Cleaning brushes, 11, 13, 15, 23 mm steel and 20 mm plastic
- Blowing pump 065990

# XT3



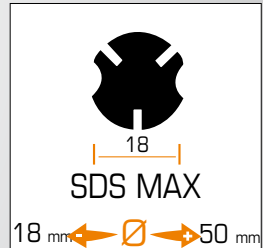
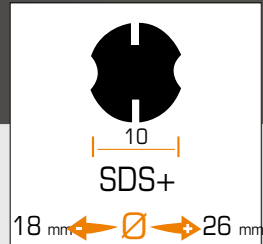
- ▶ 3-cutter, XL size tip
- ▶ Tip shape simplifies orientation
- ▶ Optimum power transfer
- ▶ Rounded cutting edges
- ▶ Three dust flutes for perfect dust removal



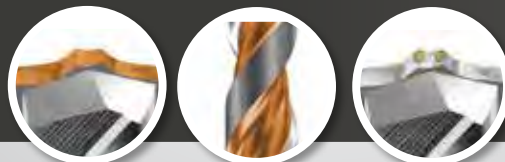
# R3



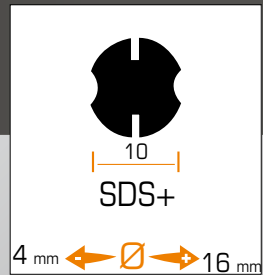
- ▶ A unique and patented tip profile with three cutting edges.
- ▶ Very efficient and durable.
- ▶ Patented spiral provides efficient removal of drill dust



# XT2



- ▶ Fast and efficient two cutting edges
- ▶ A large bit fastened to the housing.
- ▶ For drilling in any concrete and rock.





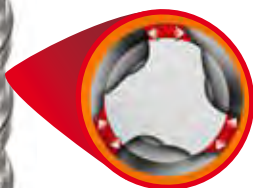
**INNOVATIVE DESIGN**  
The tip is fastened by using Highpertec technology.



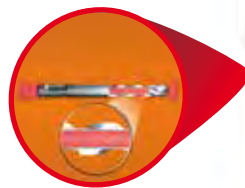
**PATENTED TIP WITH 3 CUTTING ANGLES**  
Three rounded cutting edges for fast drilling and dust extraction.



**WIDE DUST FLUTES**  
Removes efficiently drill dust and reduces jamming risk.



**STRONG SPIRAL**  
Strong surface hardened housing prevents breakage of the drill bit.



**COMPACT STRAIGHT INSERTION**  
Optimum transfer of impact energy



**STRONG CORE**  
A thick core dampens vibration imposed on the user.



## XT3 SDS+ 3-cutter

Dimensions, mm	Part number
5 x 110/50	224717
5 x 160/100	224718
6 x 110/50	224721
6 x 160/100	224722
6 x 210/150	224723
6 x 260/200	224724
6,5 x 210/150	224727
8 x 110/50	224730
8 x 160/100	224731
8 x 210/150	224732
8 x 260/200	224733
8 x 310/250	224734
8 x 450/400	224735
10 x 110/50	224736
10 x 160/100	224737
10 x 210/150	224738
10 x 260/200	224739
10 x 310/250	224740
10 x 450/400	224741
10 x 600/550	224742
12 x 160/100	224743
12 x 210/150	224744
12 x 260/200	224745
12 x 310/250	224746
12 x 450/400	224747
12 x 600/550	224748
14 x 160/100	224749
14 x 210/150	224750
14 x 260/200	224751
14 x 310/250	224752
14 x 450/400	224753
14 x 600/550	224754
15 x 160/100	225164
15 x 250/200	225165
16 x 200/150	224755
16 x 260/200	224756
16 x 300/250	224757
16 x 450/400	224758
16 x 600/550	224759

## XT3 SDS+ drill bit series

Description	Part number
XT3 SDS+ series, 5 products 6/8 x 110, 6/8/10 x 160	225166



- Concrete
- forced concrete
- Granite
- Gas concrete
- Brick
- Reinforced concrete
- Limestone
- Marble
- Rock

A very durable and long lasting drill bit with three cutting edges. Fast drilling even in the hardest reinforced concrete. Vibration dampening design.

## XT3 SDS+ site packaging

Dimensions, mm	Part number
6 x 160/100, packaging	225705
6 pcs	
6 x 210/150, packaging	225706
6 pcs	
6.5 x 210/150, packaging	225707
6 pcs	
8 x 160/100, packaging	225708
6 pcs	
8 x 210/150, packaging	225709
6 pcs	
10 x 210/150, packaging	225711
6 pcs	
12 x 210/150, packaging	225712
6 pcs	



## R3+ SDS+ Y-design



Dimensions, mm	Part number:
18 x 300/250	054029
18 x 600/550	054030
20 x 300/250	054031
20 x 450/400	054032
20 x 600/550	054033
22 x 250/200	054034
22 x 450/400	054035
24 x 250/200	054036
24 x 450/400	054037
25 x 250/200	054038
25 x 450/400	054039
25 x 600/550	054040
26 x 300/250	054041
26 x 450/400	054042



A unique patented tip profile with three cutting edges. Very efficient and durable. Twinmax 3D spiral provides efficient removal of drill dust.





## XT2 SDS+ 2-cutter

Dimensions, mm	Part number:
4 x 110/50	225350
5 x 110/50	225351
5 x 160/100	225353
6 x 110/50	225355
6 x 160/100	225356
6 x 210/150	225357
6 x 260/200	225358
8 x 110/50	225361
8 x 160/100	225362
8 x 210/150	225363
8 x 260/200	225364
8 x 310/250	225365
8 x 460/400	225366
9 x 160/100	225625
10 x 160/100	225368
10 x 210/150	225369
10 x 260/200	225370
10 x 460/400	225372
10 x 610/550	225373
12 x 160/100	225375
12 x 260/200	225376
12 x 450/400	225377
12 x 610/550	225378
12 x 1000/950	225379
14 x 160/100	225381
14 x 210/150	225382
14 x 310/250	225383
14 x 450/400	225384
14 x 610/550	225385
15 x 160/100	225417
15 x 250/200	225418
16 x 200/150	225419
16 x 300/250	225420
16 x 450/400	225421
16 x 600/550	225422



## XT2 SDS+ large packaging

Description	Part number:
5 x 110/50, packaging 25 pcs	225696
6 x 110/50, packaging 25 pcs	225697
6 x 160/100, packaging 25 pcs	225698
8 x 110/50, packaging 25 pcs	225699
8 x 160/100, packaging 25 pcs	225700
10 x 160/100, packaging 25 pcs	225701



- Concrete
- Reinforced concrete
- Granite
- Limestone
- Gas concrete
- Marble
- Brick
- Rock

A large bit fastened to the housing. Patented Twinmax 3D spiral. A fast and efficient solution for drilling in any concrete and rock.





## XT3 SDS Max 3-cutter

Dimensions, mm	Part number:
12 x 340/200, 3-CUTTER	225094
12 x 540/400, 3-CUTTER	225095
14 x 340/200, 3-CUTTER	225096
14 x 540/400, 3-CUTTER	225097
15 x 340/200, 3-CUTTER	225098
15 x 540/400, 3-CUTTER	225141
16 x 340/200, 3-CUTTER	225099
16 x 540/400, 3-CUTTER	225100
16 x 740/600, 3-CUTTER	225101

Durable and efficient drill bits with three cutting edges and Y-design for concrete and rock.  
For fast drilling.



## R3 SDS Max Y-design

Dimensions, mm	Part number:
18 x 340/200, Y-DESIGN	225102
18 x 540/400, Y-DESIGN	225103
18 x 740/600, Y-DESIGN	225104
18 x 940/800, Y-DESIGN	225105
20 x 320/200, Y-DESIGN	225106
20 x 520/400, Y-DESIGN	225107
20 x 920/800, Y-DESIGN	225108
22 x 320/200, Y-DESIGN	225109
22 x 520/400, Y-DESIGN	225110
22 x 920/800, Y-DESIGN	225111
24 x 320/200, Y-DESIGN	225112
24 x 520/400, Y-DESIGN	225113
25 x 520/400, Y-DESIGN	225114
25 x 920/800, Y-DESIGN	225115
25 x 1320/1200, Y-DESIGN	225116
26 x 520/400, Y-DESIGN	225117
28 x 520/400, Y-DESIGN	225118
28 x 920/800, Y-DESIGN	225119
30 x 320/200, Y-DESIGN	225120
30 x 520/400, Y-DESIGN	225121
30 x 920/800, Y-DESIGN	225142
32 x 320/200, Y-DESIGN	225122
32 x 520/400, Y-DESIGN	225123
32 x 920/800, Y-DESIGN	225124
32 x 1320/1200, Y-DESIGN	225125
35 x 320/200, Y-DESIGN	225126
35 x 520/400, Y-DESIGN	225127
35 x 720/600, Y-DESIGN	225128
38 x 320/200, Y-DESIGN	225129
38 x 520/400, Y-DESIGN	225130
40 x 520/400, Y-DESIGN	225131
40 x 920/800, Y-DESIGN	225132
42 x 520/400, Y-DESIGN	225133
45 x 520/400, Y-DESIGN	225134
50 x 520/400, Y-DESIGN	225135





## Premium chisels and spikes



### SDS MAX

Type	Width mm	Length mm	Part number:
Self-sharpening spike	-	350	225315
Self-sharpening chisel	25	350	225317
Self-sharpening chisel	50	350	225319



### SDS+

Type	Width mm	Length mm	Part number:
Self-sharpening spike	-	250	225314
Self-sharpening chisel	20	250	225316
Self-sharpening chisel	40	250	225318

Spike



Chisels



Self-sharpening Premium SDS Max and SDS+ chisels and spikes are durable and suit well for processing concrete and rock. A unique design speeds up any job and reduces loads imposed on the user.



## Standard chisels and spikes



### SDS MAX

Type	Width mm	Length mm	Part number:
Spike	-	400	112200
Spike	-	500	112210
Chisel	25	400	112220
Chisel	25	500	112230
Chisel	50	400	224771
Chisel, bent	50	300	112240



### SDS+

Type	Width mm	Length mm	Part number:
Spike	-	250	223049
Chisel	20	250	223050
Chisel	40	250	223051
Chisel, bent	40	250	223053
Chisel, bent	75	165	223054

Spike



Chisel



Bent chisel



Standard SDS Max and SDS+ chisels and spikes for processing concrete and rock.

- Durable and can be re-sharpened



# MAINTENANCE SERVICE

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For more information about the repair and maintenance service consult our repair department or area sales managers.

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