

# North American Product Line

## Fixing Systems







## Choosing fischer

fischer is one of the most recognized brands in the world. The brand is a German-based manufacturing business with its headquarters located in Waldachtal in Germany's Northern Black Forest. fischer specializes in innovative chemical, steel and nylon anchoring systems for the construction industry. Our products range from small nylon anchors to advanced façade systems.

Our aim is to always develop the best solutions for customers around the world. Whoever chooses fischer receives even more than a range of the highest-quality and safest products.

## Innovative Strength

At fischer, innovation is more than just a sum of patents. We are always open to new things and are prepared for change – with the aim of offering our customers the greatest possible benefits. Over the years, our own development and production sites have been creating numerous fixing solutions for the most wide-range applications. This has contributed to our product range having more than 14,000 anchors and solutions and over 7,000 patents.

## Quality That You Can Rely On

We don't make any compromises when it comes to the safety of our products. A whole host of our products are distinguished by comprehensive, up-to-date and International approvals. The fischer product range is well-positioned in all sectors of fixing technology – Steel, Nylon and Chemical fixings. We maintain award-winning quality which continues to impress both professional clients and private customers in equal measure.



In addition to innovative products, fischer offers technical support that is focused directly on the customer, and provides services that are designed to achieve the best possible solutions for you.

With the fischer ProcessSystem (fPS), we ensure that we are adapting and optimising our processes in line with customer requirements in a flexible manner and on a continual basis.

From new production procedures to new materials, such as renewable raw materials; We are carrying out the research for your safety and will continue to do so in the future. This gives us such great flexibility that we can even develop tailor-made customer solutions. This power to innovate has enabled fischer to become a market leader in anchor technology and the fixing industry.

## Contact Us

**Phone:** 1(973) 256-3045

**Fax:** 1(845) 625-2666

**Email:** [sales@fischerus.net](mailto:sales@fischerus.net)

**Web:** [fischerfixingsusa.com](http://fischerfixingsusa.com)



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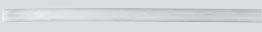





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# Product Overview

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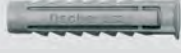



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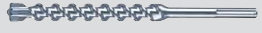

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# CHEMICAL ANCHORS

**fischer**   
innovative solutions



**A universal injection mortar with guaranteed reliability for practically all applications.**



**Item # 531573**

**FIS V 300 T**  
10.1 fl oz  
12 per box

**Item # 531563**

**FIS V 360 S**  
12.2 fl oz  
6 per box



Any connection into Brick or Block



Steel Connections

### BUILDING MATERIALS

#### Approved for:

- Uncracked Concrete from 2,500 psi to 8,000 psi

#### Also suitable for:

- Aerated Concrete
- Cracked Concrete
- Grouted Concrete Masonry (CMU)
- Hollow Brick or Block
- Lightweight Concrete
- Masonry
- Overhead, Horizontal and Vertical-down Applications
- Solid Brick or Block



### ADVANTAGES

- Available in 10.1 fl oz cartridge so no special gun is required.
- Temperature resistant up to 248° F.
- Two mixers included with every cartridge.

### FUNCTIONS

- The FIS V is a 2-component Injection Mortar based on vinylester hybrid.
- Resin and hardener are stored in two separate chambers and are not mixed and activated until extrusion goes through the static mixer.
- The injection cartridges are quick and easy to use with the fischer dispensers.
- Partially used cartridges can be reused, simply by changing the static mixer.
- Related accessories for the various applications can be found on page 9.

### FIS V WORKING & CURE TIME

Temperature Range	Gel time	Cure Time
23° F - 32° F	-	24 hours
32° F - 41° F	-	3 hours
41° F - 50° F	9 minutes	90 minutes
50° F - 68° F	5 minutes	60 minutes
68° F - 86° F	4 minutes	45 minutes
86° F - 104° F	3 minutes	35 minutes

**Storage & Shelf Life:** When stored in dry conditions between 41°F and 77°F: FIS V 300 T has a shelf life of 12 months and FIS V 360 S has a shelf life of 18 months.

**Installation Instructions:** Manufacturer's installation instructions are available in our technical manual. Please contact your fischer representative to obtain this document.

**Color and Characteristics:** 5:1 mixing ratio. Part A (resin) is light gray and Part B (hardner) is black.



**A high performance hybrid mortar for wet & dry concrete holes during all seasons.**



**Item # 518831**

**FIS SB 390 S**  
13.2 fl oz  
6 per box



Steel Constructions in freezing conditions



Steel Girders

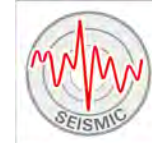
## BUILDING MATERIALS

### Approved for:

- Cracked & Uncracked Concrete from 2,500 psi to 8,000 psi
- Large Diameter Drill Holes
- Seismic Applications
- Water-filled Drill Holes

### Also suitable for:

- Diamond Drilled Holes
- Overhead, Horizontal and Vertical-down Applications



## ADVANTAGES

- FIS SB has a sustained load resistance of up to 194°F – The highest temperature on the market today.
- Highest install temperature range from 5°F to 104°F.
- Full cure in 45 minutes at 77°F.
- Temperature resistant up to 302°F.
- Cures in damp and water saturated holes.
- Withstands freeze-thaw conditions.
- Superbond can be installed at temperatures as low as -22° F.
- Two mixers included with every cartridge.

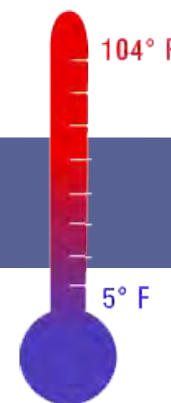
## FUNCTIONS

- Superbond is a bonded anchor system based on a vinyl ester hybrid with silane technology.
- Resin and hardener are stored in two separate chambers and are not mixed and activated until extrusion through the injection cartridge in the static mixer or destruction of the capsule during the setting procedure.
- Related accessories for the various applications can be found on page 9.

## FIS SB WORKING & CURE TIME

Temperature Range	Gel time	Cure Time
5° F - 15° F	60 minutes	36 hours
15° F - 23° F	30 minutes	24 hours
23° F - 32° F	20 minutes	8 hours
32° F - 41° F	13 minutes	4 hours
41° F - 50° F	9 minutes	2 hours
50° F - 68° F	5 minutes	60 minutes
68° F - 86° F	4 minutes	45 minutes
86° F - 104° F	2 minutes	30 minutes

**The highest approved install temperature range on the market!**



**Storage & Shelf Life:** 12 months when stored in dry conditions between 41°F and 77°F.

**Installation Instructions:** Manufacturer's installation instructions are available in our technical manual. Please contact your fischer representative to obtain this document.

**Color and Characteristics:** 3:1 mixing ratio. Part A (resin) is light gray and Part B (hardner) is black.

**A powerful pure epoxy mortar for anchoring into cracked and uncracked concrete.**



**FIS EM 390 S**  
Item # 93049  
13.2 fl oz  
6 per box

**FIS EM 585 S**  
Item # 508831  
20 fl oz  
6 per box



Underwater Applications



Transportation and Industry

## BUILDING MATERIALS

### Approved for:

- Cracked and Uncracked Concrete from 2500 psi to 8,000 psi
- Large Diameter Drill Holes
- Seismic Applications
- Water-filled Drill Holes

### Also suitable for:

- Diamond Drilled Holes
- Natural Stone
- Overhead, Horizontal and Vertical-down Applications



## ADVANTAGES

- Extremely high load capacity.
- Minimal shrinkage.
- Use in extreme conditions.
- Extended working time.
- Two mixers included with every cartridge.
- 36 month shelf life.
- Available in 20 fl oz cartridges for large projects.

## FUNCTIONS

- Resin and hardener are stored in two separate chambers and are not mixed and activated until extrusion through the injection capsule in the static mixer.
- The mortar is injected bubble-free from the drill hole base.
- The mortar bonds the entire surface of the anchor rod with the drill hole wall and seals off the drill hole.
- Related accessories for the various applications can be found on page 9.

## FIS EM WORKING & CURE TIME

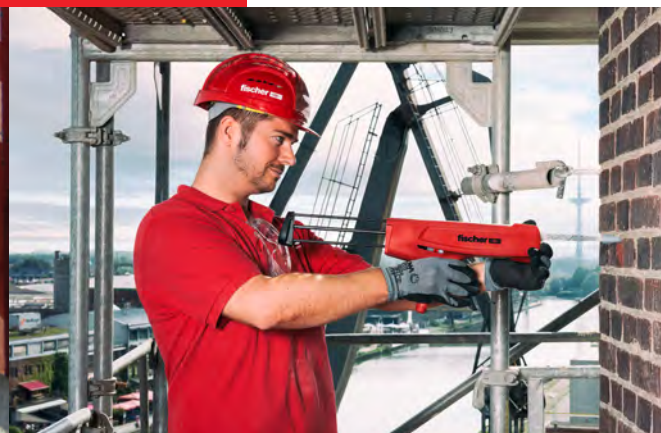
Temperature Range	Gel time	Cure Time
41° F – 50° F	2 hours	40 hours
50° F – 68° F	30 minutes	18 hours
68° F – 86° F	14 minutes	10 hours
86° F – 104° F	7 minutes	5 hours

**Storage & Shelf Life:** 36 months when stored in sheltered, dry conditions between 41°F and 86°F.

**Installation Instructions:** Manufacturer's installation instructions are available in our technical manual. Please contact your fischer representative to obtain this document.

**Color and Characteristics:** 3:1 mixing ratio. Part A (resin) is light gray and Part B (hardener) is black.





## Chemical Anchor Dispensers

### Item #58000

FIS AM Dispenser  
Fits all 12 & 13 fl oz,  
dual cartridges



### Item #511118

FIS DM S - Professional Dispenser  
Fits all 12 & 13 fl oz,  
dual cartridges



### Item #58027

FIS AP - Pneumatic Dispenser  
Fits all 12 & 13 fl oz,  
dual cartridges only



### Item #511125

FIS DP S-L - Pneumatic Dispenser  
20 fl oz cartridges only



### Item #53117

KPM 2 Dispenser  
Fits 10 fl oz,  
single cartridge only



### Item #510992

FIS DM S-L - Professional Dispenser  
20 fl oz cartridges only



### Item # FIS 13-20

FIS Dual Cartridge Dispenser 13-20  
Fits all 12, 13 & 20 fl oz,  
dual cartridges only



### Item #513429

PUP M4 Teflon Metal Foam Gun  
Fits Gun Foam PUP 750



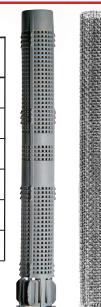
## Blow Out Tool

Item #89300  
ABG Blow-Out Pump



## Nylon and Metal Screens

Item #	Description
41903	FIS H 16 x 130 K - Nylon Screen 5/8" x 5-1/8" - Fits 3/8"
41904	FIS H 20 x 85 K - Nylon Screen 3/4" x 3-5/16" - Fits 5/8 & 1/2"
46703	FIS H 20 x 130 K - Nylon Screen 3/4" x 5-1/8" - Fits 5/8 & 1/2"
46704	FIS H 20 x 200 K - Nylon Screen 3/4" x 7-7/8" - Fits 5/8 & 1/2"
50599	FIS H 16 x 1000 L - Metal Screen 5/8" x 39" Long - Fits 1/2 & 3/8"
45301	FIS H 22 x 1000 L - Metal Screen 7/8" x 39" Long - Fits 5/8 & 3/4"



## Mixers and Extension Tubes

Item #	Description
96448	FIS MR (Fits 10, 12, 13 fl oz cartridges)
520593	FIS UMR (Fits 20 fl oz cartridges)
48983	FIS Extension Tubes 36"

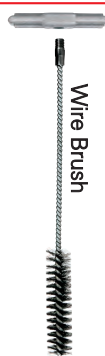
Item # 48983  
36" Extension Tubes

Item #96448  
FIS MR Easy mixing tip for 10 fl oz,  
12 fl oz, 13 fl oz cartridges

Item #520593  
FIS UMR mixing tip for  
20 fl oz cartridges

## Wire Brushes

Item #	Description
78178	7/16" (10mm)
78179	1/2" (12mm)
78180	9/16" (14mm)
78181	5/8" (16mm - 18mm)
52277	3/4 x 7/8" (20mm)
78182	1" (24mm)
78183	1-1/8" (28mm)
78184	1-3/8" x 1-1/2" (35mm)
530332	SDS Brush Adapter
508791	FIS Brush Extension



Item # 48980  
Set of Wire Brushes  
1/2" x 3/4" (14/20mm)



Item # 48981  
Set of Wire Brushes  
3/4 x 1-1/8" (20/30mm)









## The all-around solution with short drill hole depth.

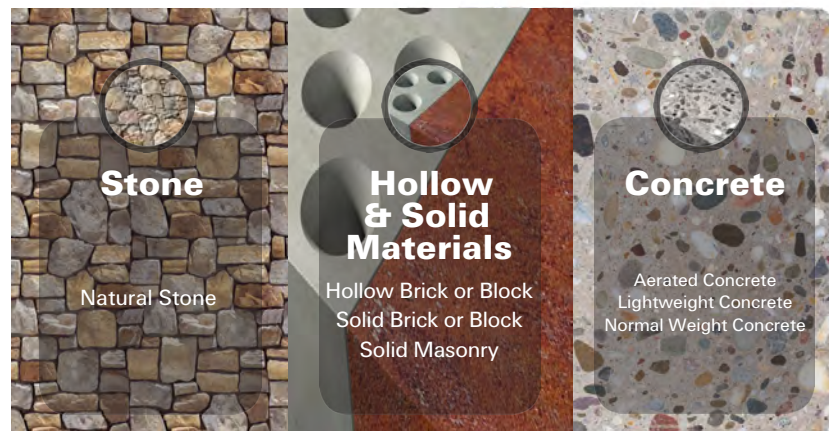


Door and Window Frames



Garage Doors

### BUILDING MATERIALS



### ADVANTAGES

- This all-around anchor solution allows for use in solid and hollow building materials with an anchorage depth of just 2".
- This fixing holds even in porous stones with large cavities and ensures that it is securely anchored into the building material.
- Nylon doesn't crack or become brittle in cold temperatures.
- The unique geometry of the SXR means that it can easily be hammered in without bending.

### APPLICATIONS

- Gates
- Wardrobes
- Furring Strips
- Door Bucks
- Piping Brackets
- Suspended Ceilings
- Cable Trays
- Kitchen Hanging Cabinets
- Electrical Installations

### FUNCTIONS

- The SXR is suitable for push-through installation.



**Stronger  
than tapcons**



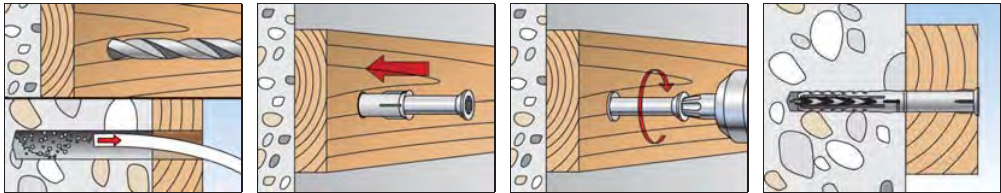
**Won't spin like a  
sleeve anchor**



**More than 2x as  
fast as lag shields**

The short expansion element requires a small drill hole depth. This **saves on drilling time** and results in **less drill bit wear**.

The anti-rotation fins increase the installation comfort and provide **additional safety**.

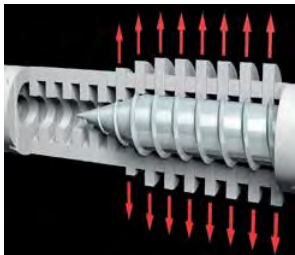


**ORDERING INFORMATION**

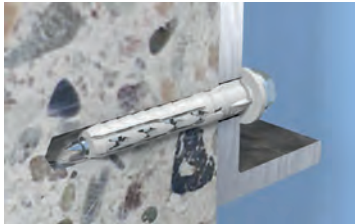
Item #	Description	Drill Hole	Length	Box Qty
<b>46263</b>	SXR 10 x 80	3/8"	3 - 3/4"	50
<b>46264</b>	SXR 10 x 100	3/8"	4"	50
<b>46265</b>	SXR 10 x 120	3/8"	4 - 3/4"	50
<b>46266</b>	SXR 10 x 140	3/8"	5 - 1/2"	50
<b>46267</b>	SXR 10 x 160	3/8"	6 - 1/4"	50
<b>46268</b>	SXR 10 x 180	3/8"	7 - 1/8"	50
<b>46269</b>	SXR 10 x 200	3/8"	7 - 7/8"	50
<b>46270</b>	SXR 10 x 230	3/8"	9"	50
<b>46271</b>	SXR 10 x 260	3/8"	10 1/4"	50



The SXR forms itself perfectly into **hollow building materials**.



As the tapered lag screw is turned, the nylon wedges into the hole. It never slips or turns. After installation the screw is removable!



The SXR expands in **solid building materials**.



# NYLON ANCHORS

**fischer**   
innovative solutions



## The installation-friendly nylon toggle anchor for high loads.



DUOTEC 10

DUOTEC 12

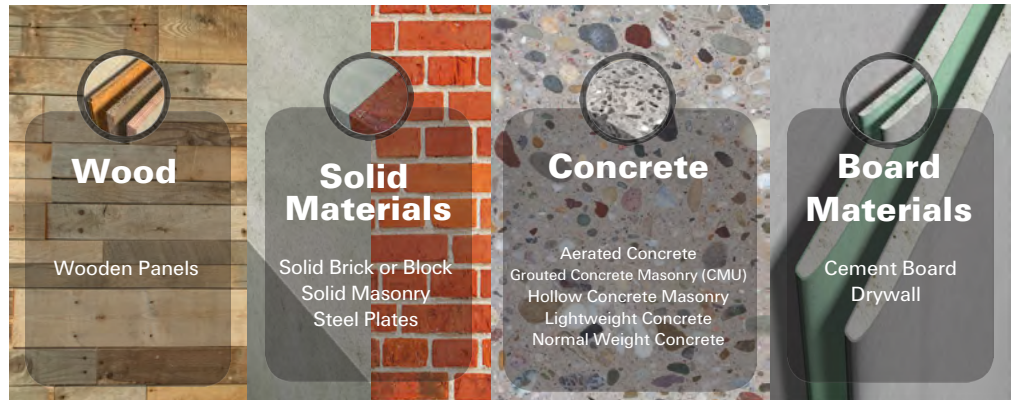


Hanging Cabinets



Shelves

### BUILDING MATERIALS



### ADVANTAGES

- Small drill hole diameter (3/8") and short toggle element (1 1/2") for easy installation into narrow and insulated cavities.
- The anchor is multi-functional since it acts as an expansion anchor for holes in solid building materials like concrete & also a toggle bolt in board materials like drywall.
- Nylon doesn't crack or become brittle in cold temperatures.
- Fast install - more than 2 times as fast and easy as other anchors.
- Scale on the grip strap (DUOTEC 12) helps to determine the necessary screw length (scale value + 13/16").
- White flange sleeve with snap function allows the toggle to be pre-installed quickly and securely in the drill hole prior to fitting the screw.

### APPLICATIONS

- Wardrobes
- Handrails
- Pictures
- Mirrors
- Lamps
- Wall Cabinets
- TV Consoles
- Coat Racks

### FUNCTIONS

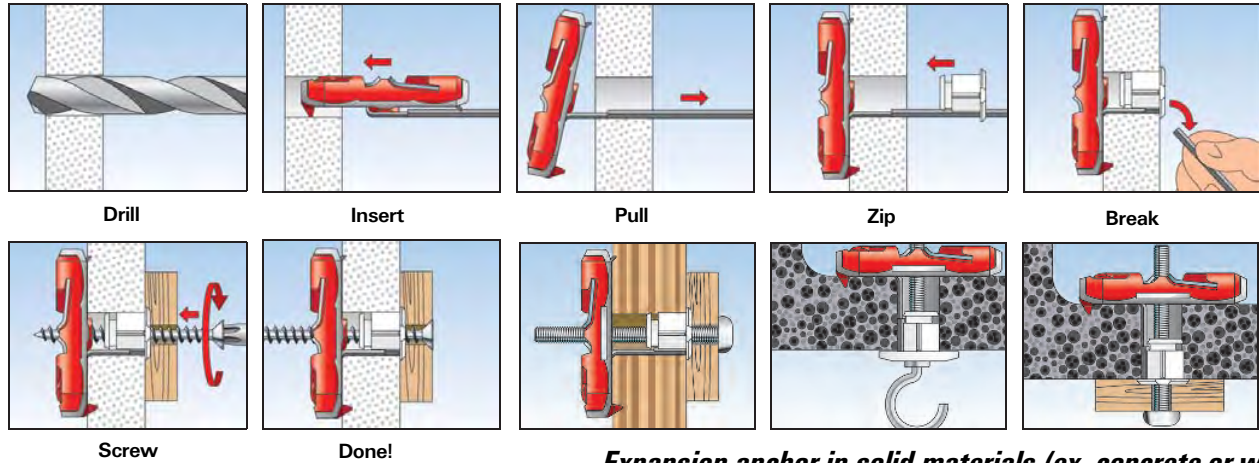
- The DUOTEC anchor is suitable for pre-positioned installation.
- The toggle element of the plug automatically folds behind the board and gives it its strength.
- Thanks to the short toggle element, the plug is also suitable for narrow spaces, even with mineral wool insulated cavities with depths from 2", uninsulated from 1 9/16" and boards from 3/8" thickness.



## Toggle bolt in board materials (ex. drywall)

### BOARD MATERIAL INSTALLATION (EX. DRYWALL)

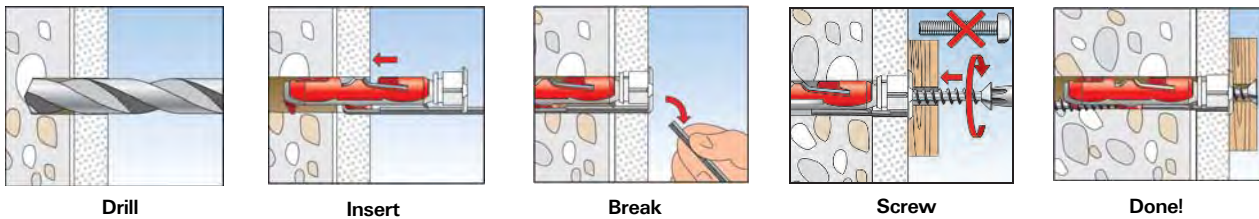
Recommended load: 44 LBS/20 KG #10 screw (4x safety factor)



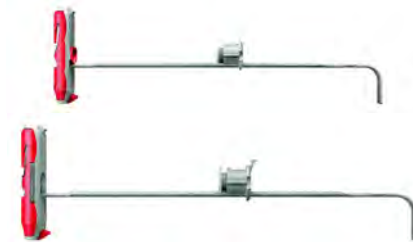
## Expansion anchor in solid materials (ex. concrete or wood)

### SOLID MATERIAL INSTALLATION (EX. CONCRETE)

Recommended load: 99 LBS/20 KG #10 screw (4x safety factor)

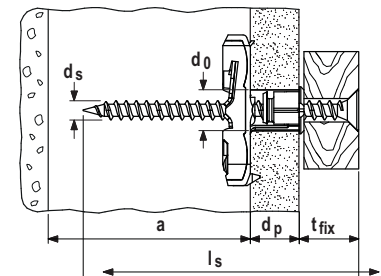


### BOARD MATERIAL DATA



Nylon toggle **DUOTEC 10**

Nylon toggle **DUOTEC 12**



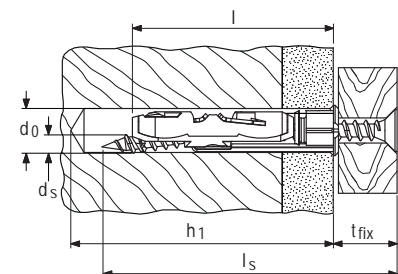
Item	Item #	Drill hole size $d_0$ [in.]	Min. wall thickness $d_p$ [in.]	Max. wall thickness $d_p$ [in.]	Min. cavity depth $a$ [in.]	Screw diameter $d_s$ [in.]	Screw length $l_s$ [in.]	Box Qty [pcs]
<b>DUOTEC 10</b>	<b>537258</b>	3/8"	3/8"	2"	1" 5/8"	#8 to #10	+3/4"	50
<b>DUOTEC 10 w/ screws</b>	<b>540243</b>	3/8"	3/8"	2"	1" 5/8"	#10	+3/4"	4
<b>DUOTEC 12</b>	<b>542796</b>	1/2"	3/8"	2"	2"	1/4" & 1/4"-20	2 1/2"	10

### SOLID MATERIAL DATA



Nylon anchor **DUOTEC 10**

Nylon anchor **DUOTEC 12**



Item	Item #	Drill hole size $d_0$ [in.]	Min. drill hole depth $h_1$ [in.]	Screw diameter $d_s$ [in.]	Screw length $l_s$ [in.]	Anchor length $l$ [in.]	Max. fixture thickness $t_{fix}$ [in.]	Box Qty [pcs]
<b>DUOTEC 10</b>	<b>537258</b>	3/8"	3/4"	#8 to #10	—	1" + 7/8"	—	50
<b>DUOTEC 10 w/ screws</b>	<b>540243</b>	3/8"	3 1/4"	#10	2 1/2"	1" + 7/8"	3/8"	4
<b>DUOTEC 12</b>	<b>542796</b>	1/2"	3 1/8"	1/4" & 1/4"-20	2 1/2"	2 1/4"	$l_s - 2 3/4"$	10

1) DUOTEC 10 w/ screws - comes w/ #10 sheet metal screws

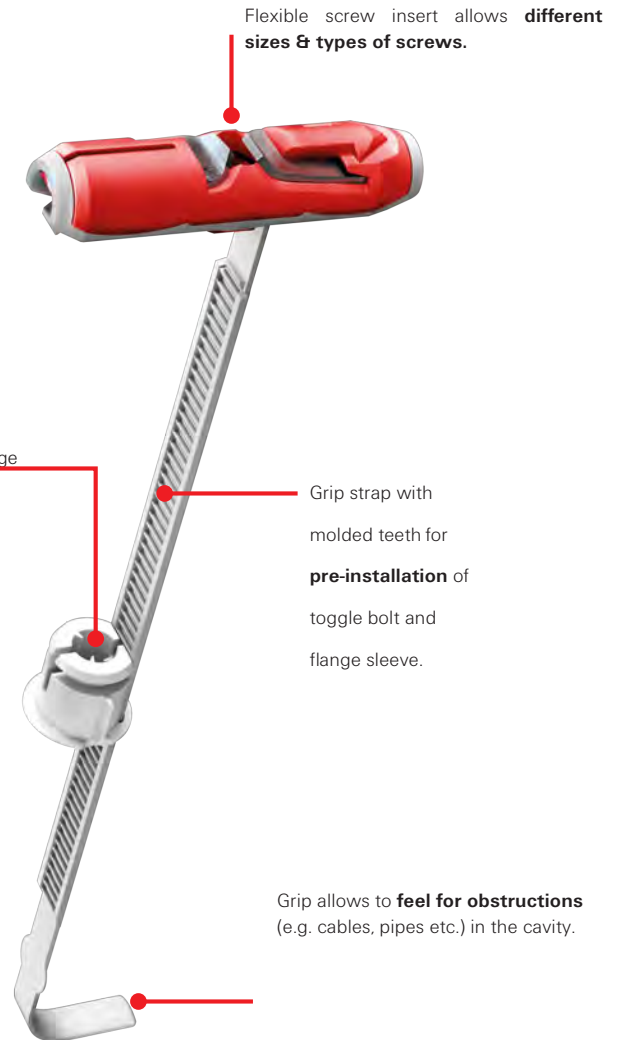
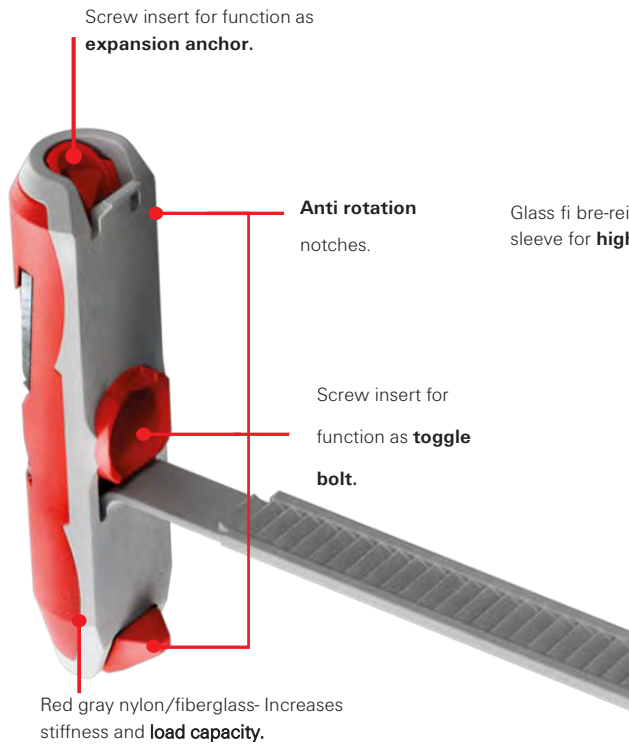
2) DUOTEC 12 - recommended with 1/4" - 2" machine screw panhead



## Features of DUOTEC 10 & 12

### Nylon Anchors

5



## Additional features of DUOTEC 12

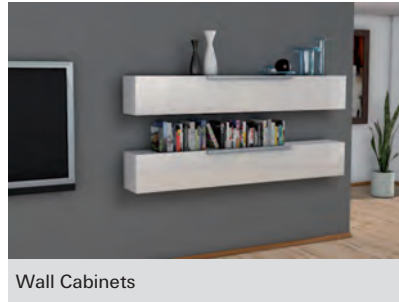


5

**Nylon Anchors**



## The Duo of Power and Intelligence.

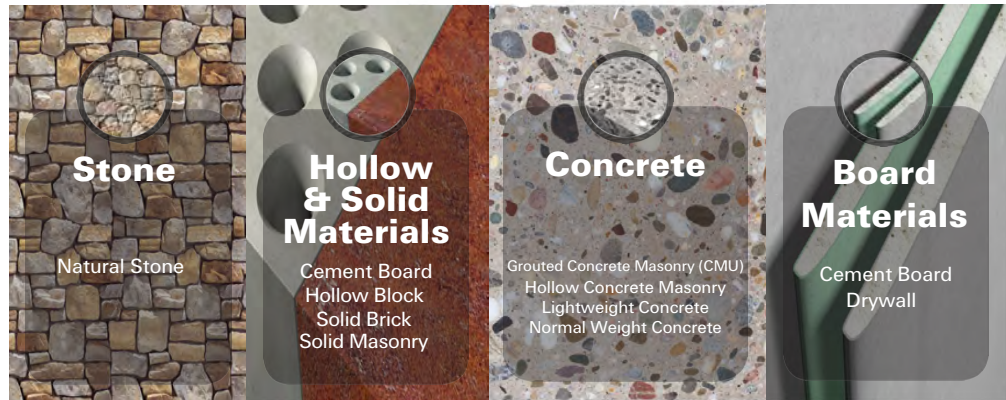


Wall Cabinets



TV Brackets

### BUILDING MATERIALS



#### Stone

Natural Stone

#### Hollow & Solid Materials

Cement Board  
Hollow Block  
Solid Brick  
Solid Masonry

#### Concrete

Grouted Concrete Masonry (CMU)  
Hollow Concrete Masonry  
Lightweight Concrete  
Normal Weight Concrete

#### Board Materials

Cement Board  
Drywall

### ADVANTAGES

- The perfect combination of hard and soft materials allow the plug to self-adjust intelligently to the building material.
- You can feel exactly when the plug is installed perfectly.
- The serrated anti-rotation feature prevents rotation in the drill hole during installation.
- The opening enables simple positioning of the screw and creates secure guidance into the screw channel.
- Greater expansion volume and the best load value in hollow and solid building materials.
- Nylon doesn't crack or become brittle in cold temperatures.

### APPLICATIONS

- Lighting
- Bathroom Fixtures
- Shelves
- Mirrors
- Pictures
- Blinds
- Curtain Rails
- Plumbing and Heating Fixings

### FUNCTIONS

- The DUOPOWER is suitable for pre-positioned and push-through installation.
- The duo of two different materials and its multiple functional abilities (expanding, folding, and knotting) extend the range of applications to additional materials with heavy loads.
- Suitable for 5/16" wood and sheet metal screws.

The combination of soft and hard materials achieves an optimally matched screw-in and tightening torque.

Short plug length allows quick fixing, less drilling and shorter screws.



Depending on the building material, the main body made from high quality nylon automatically activates the optimum function for a permanent and safe hold (expansion, folding or knotting).

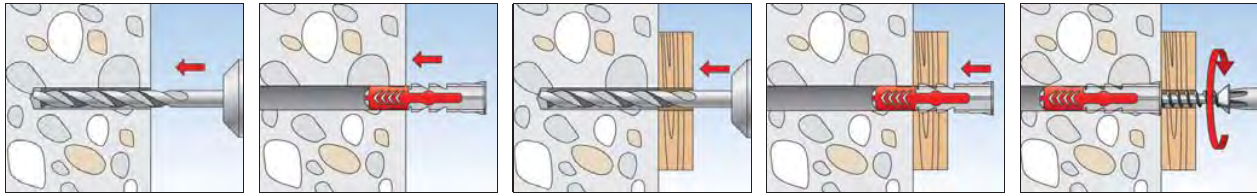
The narrow plug rim prevents slipping in the drill hole.

Red expansion wings provide safe expansion and offer additional safety for the main nylon body.

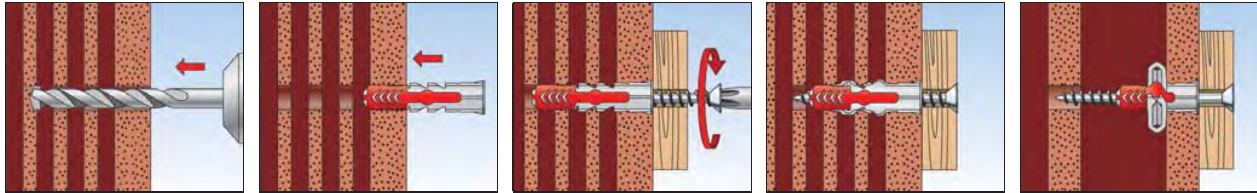
POWER & INTELLIGENCE



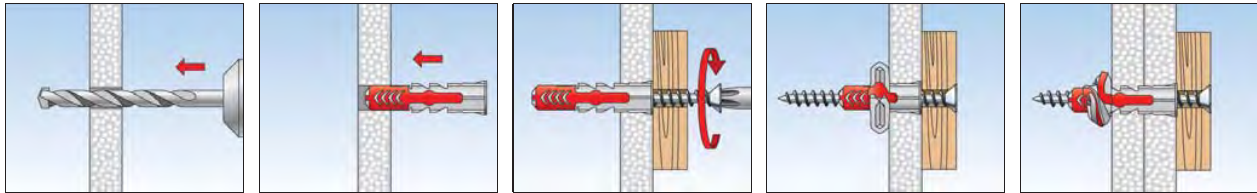
## INSTALLATION IN SOLID BUILDING MATERIALS



## INSTALLATION IN HOLLOW BUILDING MATERIALS



## INSTALLATION IN PANEL BUILDING MATERIALS



## ORDERING INFORMATION



DUOPOWER

## INTELLIGENT SELF-ADJUSTMENT (expansion, folding & knotting)



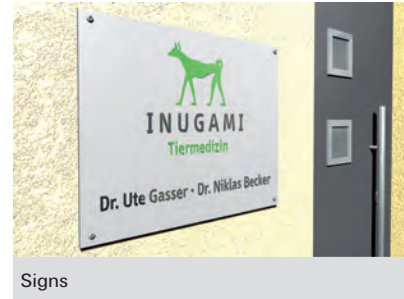
	Item #	Item #	Drill Hole Size	Anchor length	Drive	Box Qty
	without screw	with screw				[pcs]
<b>DUOPOWER 5 x 25</b>	<b>555005</b>	—	3/16"	1"	—	100
<b>DUOPOWER 6 x 30</b>	<b>555006</b>	—	7/32"	1-3/16"	—	100
<b>DUOPOWER 8 x 40</b>	<b>555008</b>	—	5/16"	1-9/16"	—	100
<b>DUOPOWER 10 x 50</b>	<b>555010</b>	—	3/8"	2"	—	50
<b>DUOPOWER 5 x 25 S</b>	—	<b>555105</b>	3/16"	1"	PZ2	50
<b>DUOPOWER 6 x 30 S</b>	—	<b>555106</b>	7/32"	1-3/16"	PZ2	50
<b>DUOPOWER 8 x 40 S</b>	—	<b>555108</b>	5/16"	1-9/16"	PZ2	50
<b>DUOPOWER 10 x 50 S</b>	—	<b>555110</b>	3/8"	2"	SW 13 / TX 40	25



## The economical nylon anchor for concrete, brick or block.



Light Shelves



Signs

### BUILDING MATERIALS



### ADVANTAGES

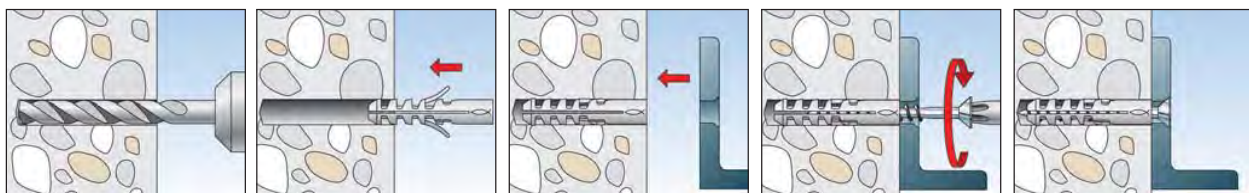
- A classic plug universally known for its versatility in building materials.
- The wide neck protects the anchor from expansion pressure and prevents surface damage to tiles and plaster.
- Nylon doesn't crack or become brittle in cold temperatures.
- Temperature resistant from -40° F -176° F

### APPLICATIONS

- TV Brackets
- Lamps
- Mirror Cabinets
- Motion Detectors
- Information Boards
- Curtain Rails
- Electrical Installations

### FUNCTIONS

- The S-plug is suitable for pre-positioned and push-through installation.
- Suitable for wood and drywall screws.
- For installations close to the edge, turn the plug so that the expansion force acts parallel to the edge.



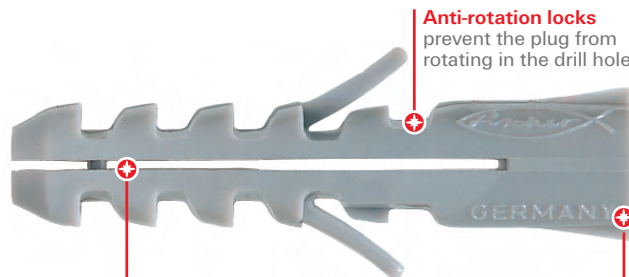
## ORDERING INFORMATION



S-Plug

Item #	Description	Drill Hole Size	Plug Length	Screw or Lag Size	Box Qty
50104	S 4 PLUG	1/8"	3/4"	#6	200
50105	S 5 PLUG	3/16"	1"	#8	100
50124	S 5 PLUG	3/16"	1"	#8	200
50106	S 6 PLUG	7/32"	1 - 3/16"	#10	100
56106	S 7 PLUG	1/4"	1 - 3/16"	#10	100
50108	S 8 PLUG	5/16"	1 - 9/16"	1/4"	100
50110	S 10 PLUG	3/8"	2"	5/16"	50
50112	S 12 PLUG	7/16"	2 - 3/8"	3/8"	25
50114	S 14 PLUG	9/16"	3"	1/2"	20
50116	S 16 PLUG	5/8"	3 - 1/8"	9/16"	10

**Slim line geometry**  
makes it easy to push the plug into the drill hole for fast and easy installation.



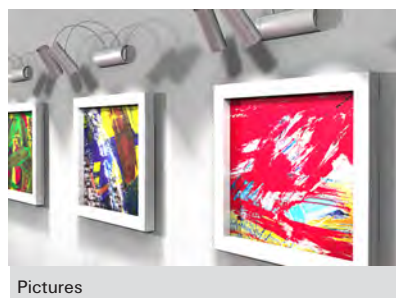
**Anti-rotation locks**  
prevent the plug from rotating in the drill hole.

**2-way expansion**  
allows you to direct the force away from the edges simply by turning the plug, allowing for closer edge distances.

**Rimless design**  
allows the S-PLUG to be installed as deep as necessary to achieve maximum load bearing capacity.



Bathroom Fixtures



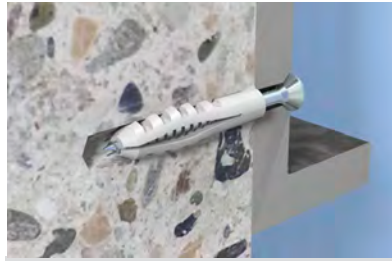
Pictures



Lighting



## The powerful nylon anchor with 4-way expansion for high-loads.



Angle Iron



Satellite Dish into Solid Walls

### BUILDING MATERIALS



### ADVANTAGES

- High load-bearing capacities in hollow and solid building materials.
- The pronounced rim prevents the plug from slipping into the drill hole, thus allowing a simple installation.
- Nylon doesn't crack or become brittle in cold temperatures.
- This anchor can be used indoors and outdoors.

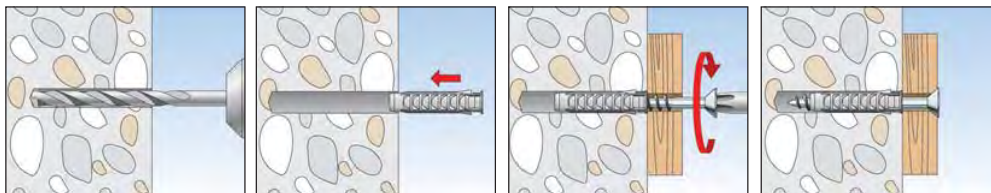
### APPLICATIONS

- Lighting
- Wardrobes
- Motion Detectors
- Skirting
- Light Shelves
- Cabinets
- TV Consoles
- Folding Shutters
- Bathroom Fixtures

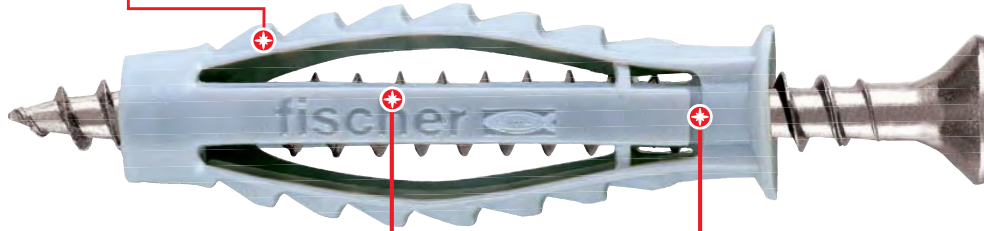
### FUNCTIONS

- The SX is suitable for pre-positioned and push-through installation.
- When turning in the screw, the SX expands in four directions, thus providing a secure anchoring into the building material.
- Use any standard screw.

**Stop fighting  
lag shields**



**Non-Rotating:**  
The fins and edges prevent rotation during installation.



**Quadruple Expansion:**  
The SX Plug expands in 4 directions to support high loads.

**Penetration Lock:**  
The neck of the plug doesn't expand during installation. This prevents damage to the walls and surfaces.

5

Nylon Anchors

## ORDERING INFORMATION

Item #	Description	Drill Hole Size	Plug Length	Screw or Lag Size	Box Qty
70006	SX 6 x 30	1/4"	1 - 3/16"	#10	100
70008	SX 8 x 40	5/16"	1 - 9/16"	1/4"	100
70010	SX 10 x 50	3/8"	2"	5/16"	50
70012	SX 12 x 60	1/2"	2 - 3/8"	3/8"	25



Interior Fixings



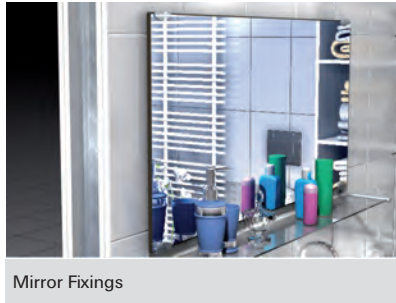
Mailboxes



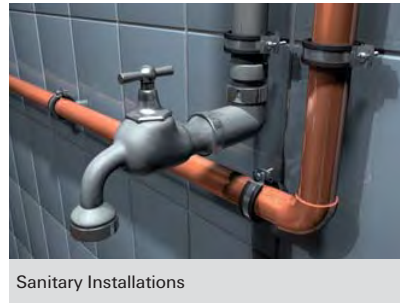
Mirrors



## The nylon plug for all building materials.

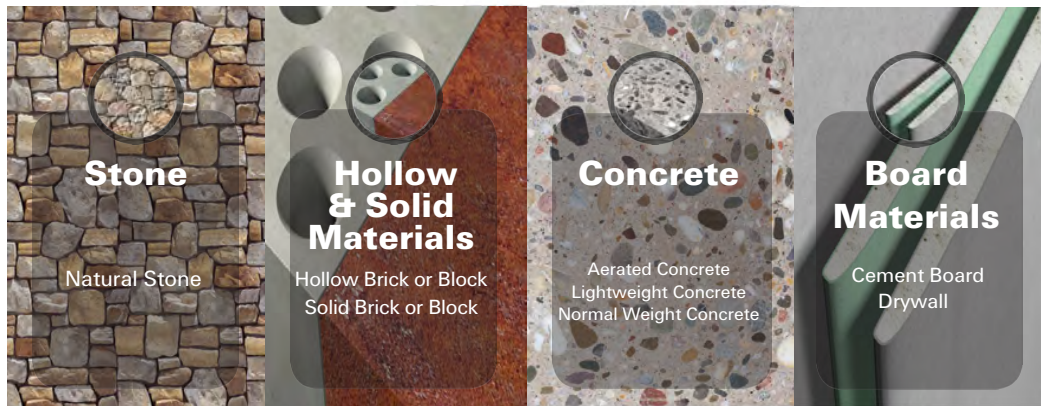


Mirror Fixings



Sanitary Installations

### BUILDING MATERIALS



### ADVANTAGES

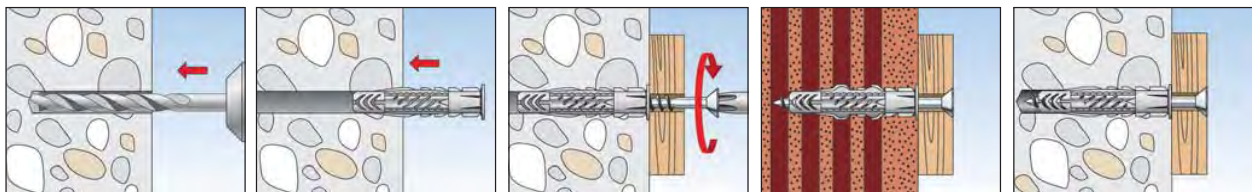
- The universal operating principle (knotting or expanding) allows for use in all solid, hollow and board building materials.
- The UX is the correct choice for unknown base materials which makes it a universal plug.
- The UX's angled connection ridges allow for optimum screw guidance.
- Serrated anti-rotation locks prevent rotation in the drill hole. This guarantees the greatest possible installation safety.
- Fixing sets with screws, eye screws and hooks provide the right solution for all applications.
- Nylon doesn't crack or become brittle in cold temperatures.

### APPLICATIONS

- Pictures
- Lighting
- Light Cabinets
- Bathroom Fixtures
- Satellite Dishes
- Shelving
- Interior Fixtures
- TV Consoles
- Plumbing and Heating Fixings

### FUNCTIONS

- The UX with rim is suitable for pre-positioned installation.
- Turning in the screw causes the UX to expand in the solid building material and to knot within the cavity.
- Suitable for wood and drywall screws.



**A nylon anchor for any type of material-concrete, brick, block & even drywall!**

## *The Universal Plug*

**The anti-rotation** sawtooth edges and locking system prevents the plug from rotating, even in soft materials.

**The reinforced neck** is designed to be stronger during installation.

**The flange** keeps the plug flush with the surface area.

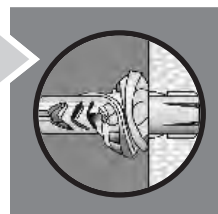
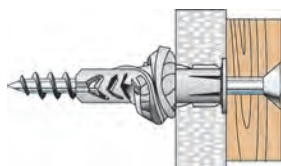
**The expandable end** automatically adapts to different sized screws.

5

Nylon Anchors

### ORDERING INFORMATION

Item #	Description	Drill Hole Size	Plug Length	Screw or Lag Size	Box Qty
<b>62756</b>	UX 6 x 35 R	1/4"	1 - 3/8"	#10	100
<b>62762</b>	UX 8 x 50 R	5/16"	2"	1/4"	50
<b>77872</b>	UX 10 x 60 R	3/8"	2 - 3/8"	5/16"	50
<b>62758</b>	UX 12 x 70	1/2"	2 - 3/4"	3/8"	25



*The UX Plug creates a knot behind the hollow surface and expands in solid surface.*



**The original metal anchor for wood and drywall screws.**

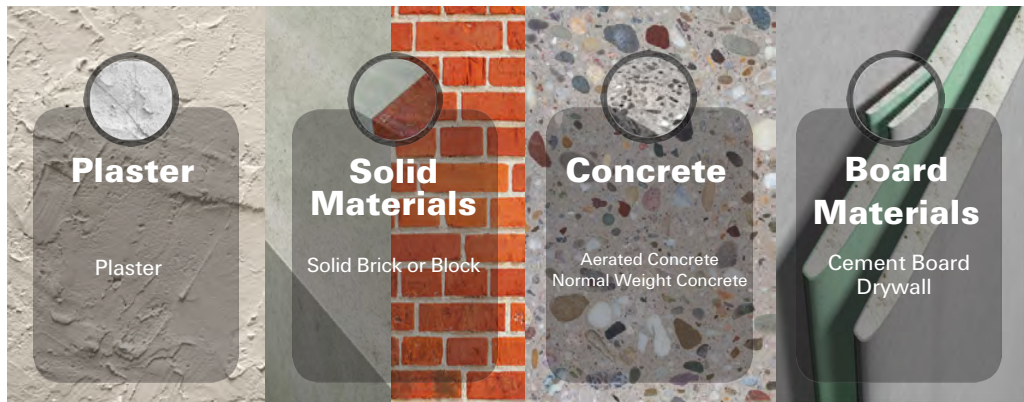


Pipes



Gas Meters

## BUILDING MATERIALS



## ADVANTAGES

- Fast & easy to use.
- The FMD has a high load-bearing capacity.
- 1/4" pre-drilled hole for concrete, block and brick.
- The ribbed internal geometry of the FMD is suitable for wood and drywall screws, and makes it possible to guide the screw securely. This offers increased installation safety, and enables a broad range of applications.

## APPLICATIONS

- Gas Pipes
- Water Pipes
- Plumbing Line Clamps
- Cable, Wire and Pipe Clamps

## FUNCTIONS

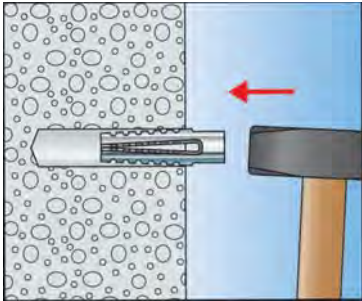
- The FMD is suitable for pre-positioned installation.
- Inserting the screw causes the FMD to expand, and the metal teeth fix the anchor securely in the building material.
- The FMD (6 x 32) can be hammered directly into low-strength aerated concrete, plaster and drywall without the need for pre-drilling.

## ORDERING INFORMATION



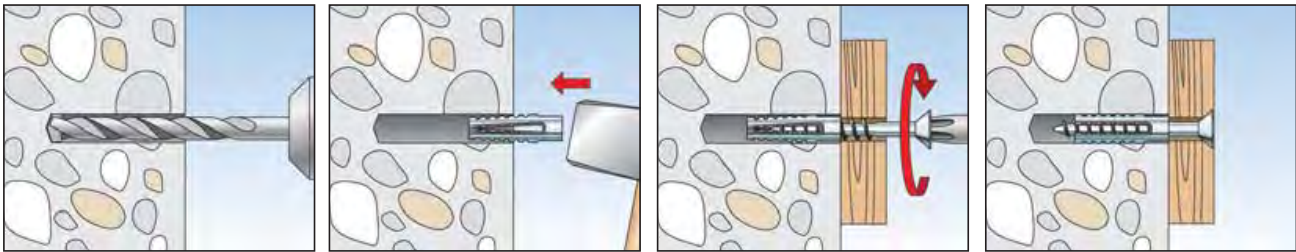
Metal expansion anchor **FMD**

Item #	Description	Box Qty	Drill Hole Size	Plug Length
61224	FMD 6 x 32	100	1/4"	1 - 1/4"



*The original metal expansion anchor  
you hammer directly into the wall.*

**Fast & Simple Installation:** Hammer it *directly* into drywall, plaster & aerated concrete.  
Insert a wood or drywall screw and the metal teeth will expand, then tightly secure whatever you are connecting.



**Note:** No pre-drilling is required for drywall, plaster and aerated concrete.

Pre-drilling is needed for concrete, brick, and block.



## Approved safety in aerated concrete.



**Item # 50493**  
GB 14

**Item # 50492**  
GB 10



Pipelines



Suspended Ceilings (only GB 14)

### BUILDING MATERIALS



### ADVANTAGES

- The spiral shaped ribs cut directly into aerated concrete.
- Quickly pre-drill and hammer directly into aircrete.
- Can be applied with a hammer -there is no need for special tools, which saves time and money.
- Nylon doesn't crack or become brittle in cold temperatures.

### APPLICATIONS

- Cable Trays
- Guard Rails
- Canopy Brackets
- Mailboxes
- Trellis

### FUNCTIONS

- The GB is suitable for pre-positioned installation.
- The spiral-shaped outer ribs ensure a positive fit connection between the building material and anchor.
- The GB must be used with fischer safety screws to fulfill the approval and to achieve the maximum load-bearing capacity.
- Use rotary drilling to create the drill hole.
- Can be used in unplastered aerated concrete.

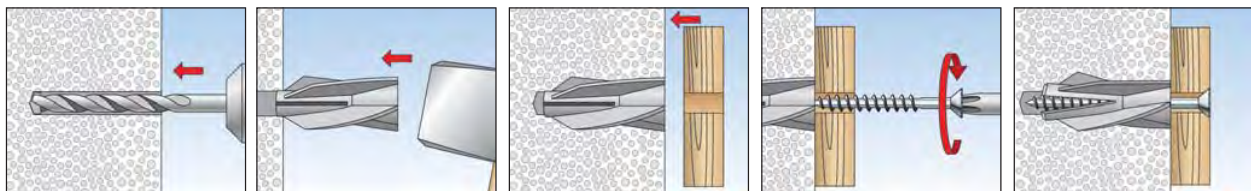

**ORDERING INFORMATION**


GB Anchor

Item #	Description	Plug Length	Drill Hole Size	Screw Hole Size	Box Qty
50492	GB 10	2 - 3/16"	3/8"	1/4"	20
50493	GB 14	3"	9/16"	3/8"	10



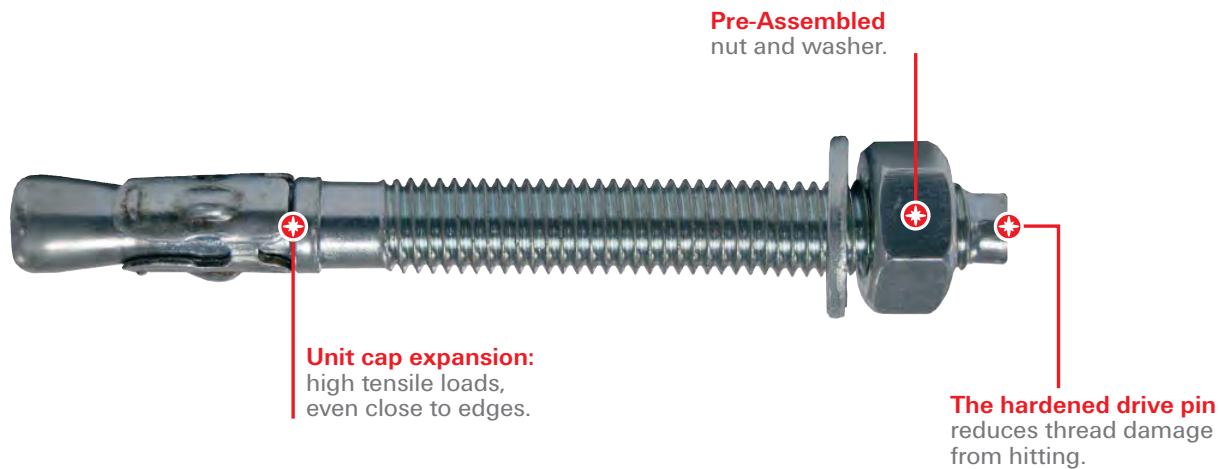
Any application in Aerated Concrete







## Wedge Anchor (Bolt Anchor) in Zinc-Plated Steel



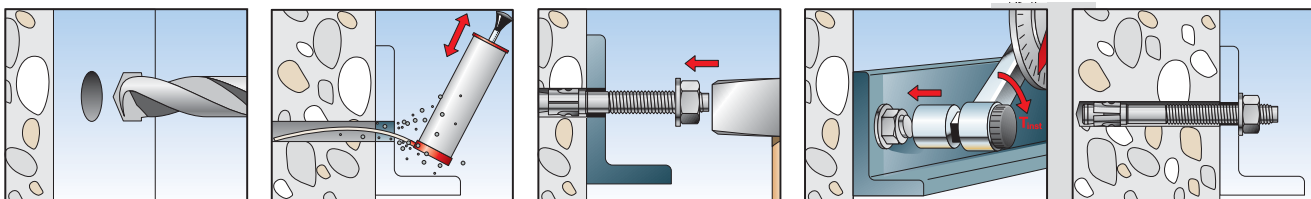
### ORDERING INFORMATION



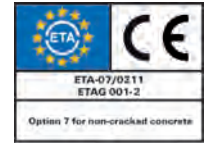
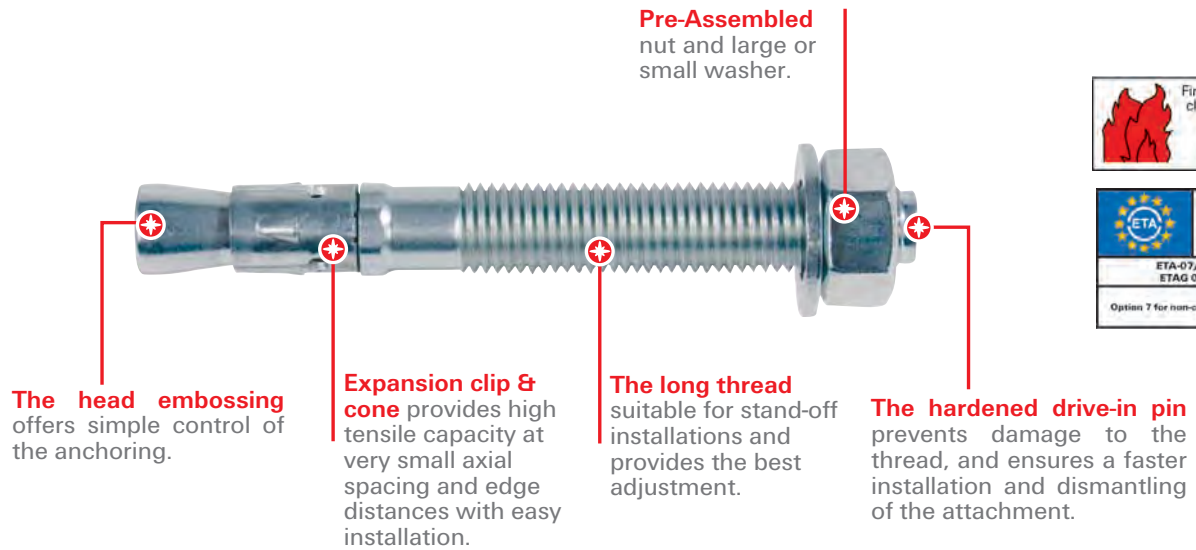
Steel Wedge Anchor **FWA**

Item #	Description	Box Qty	Item #	Description	Box Qty
<b>48936</b>	FWA 1/4 x 2-1/4	100	<b>49025</b>	FWA 5/8 x 4 -1/2	10
<b>48944</b>	FWA 3/8 x 2-1/4	50	<b>49026</b>	FWA 5/8 x 5	10
<b>48946</b>	FWA 3/8 x 3	50	<b>49031</b>	FWA 5/8 x 6	10
<b>48948</b>	FWA 3/8 x 3-3/4	50	<b>49080</b>	FWA 5/8 x 8-1/2	10
<b>48950</b>	FWA 3/8 x 5	20	<b>49081</b>	FWA 5/8 x 10	10
<b>48992</b>	FWA 1/2 x 3-3/4	20	<b>49084</b>	FWA 3/4 x 4 -1/4	10
<b>48995</b>	FWA 1/2 x 4 -1/4	20	<b>49086</b>	FWA 3/4 x 5-1/2	10
<b>48996</b>	FWA 1/2 x 5 -1/2	20	<b>49087</b>	FWA 3/4 x 6-1/4	10
<b>49013</b>	FWA 1/2 x 7	20	<b>49095</b>	FWA 3/4 x 10	5
<b>49022</b>	FWA 5/8 x 3-1/2	10	<b>49107</b>	FWA 3/4 x 12	5

- High quality = less hammering and slippage.
- Zinc Plated.



**The cost-efficient fixing for flexible use in uncracked concrete.**



## BUILDING MATERIALS:



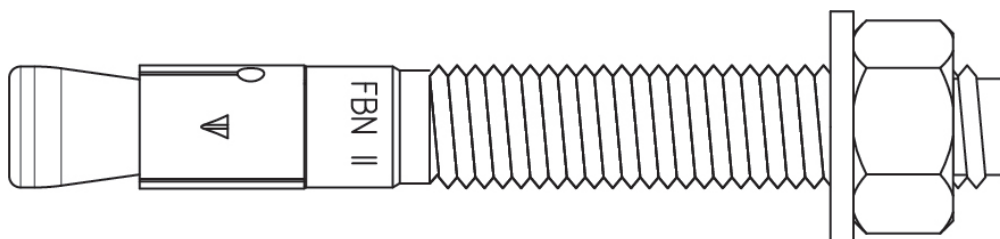
## ADVANTAGES:

- The reduced anchorage depth reduces the drill hole depth and achieves the maximum load-bearing capacity. This minimizes the amount of time needed for installation while increasing flexibility.
- These zinc plated anchors need less hammering and have less slippage.
- Few hammer blows and the minimal torque slippage allow for a noticeably simpler installation.
- Suitable for push-through and pre-positioned installation.
- These anchors are good for fixing steel and wood structures.



## APPLICATIONS:

- Guard Rails
- Windows
- Ladders
- Cable Trays
- Machines
- Staircases
- Gates







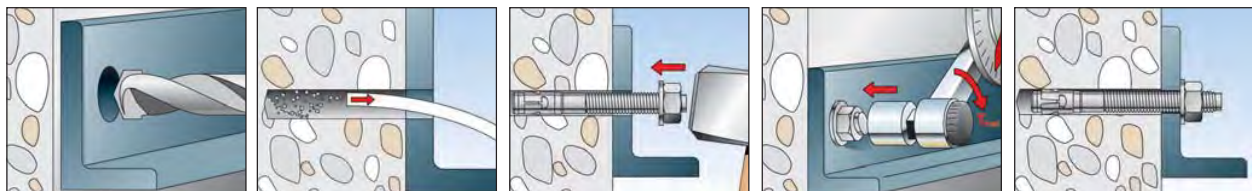
6

## ORDERING INFORMATION



Bolt anchor **FBN II**

Item #	Description	Box Qty
<b>40664</b>	FBNII 8/10 (8 x 71)	50
<b>40700</b>	FBNII 8/30 (8 x 91)	50
<b>40827</b>	FBNII 10/10 (10 x 86)	50
<b>40851</b>	FBNII 10/20 (10 x 96)	50
<b>40854</b>	FBNII 10/30 (10 x 106)	50
<b>40855</b>	FBNII 10/50 (10 x 126)	20
<b>40950</b>	FBNII 12/10 (12 x 106)	20
<b>44558</b>	FBNII 12/20 (12 x 116)	20
<b>45263</b>	FBNII 12/30 (12 x 126)	20
<b>45264</b>	FBNII 12/50 (12 x 146)	20
<b>45564</b>	FBNII 16/25 (16 x 145)	10







Fast precision drilling even in reinforced concrete.

## ORDERING INFORMATION

Item #	Metric Size / Description	Item #	Metric Size / Description
531423	SDS PLUS IV 5/150/210	504150	SDS PLUS IV 12/250/310
504131	SDS PLUS IV 6/150/210	504153	SDS PLUS IV 14/150/210
504134	SDS PLUS IV 8/150/210	504133	SDS PLUS IV 8/100/160
506524	SDS PLUS IV 8/250/310	506535	SDS PLUS IV 16/250/310
504140	SDS PLUS IV 10/100/160	504162	SDS PLUS IV 18/200/250
504143	SDS PLUS IV 10/250/310	504164	SDS PLUS IV 20/200/250
504144	SDS PLUS IV 12/100/160	506533	SDS PLUS IV 16/150/210
506524	SDS PLUS IV 8/250/310	504207	SDS MAX IV 18/200/340

## Long Life

Solid carbide cutting edges with patented reinforcement chambers.

- Low-vibration.
- Guaranteed drilling performance if rebar is hit.



## Rebar Resistant

Extra deep embedding of the carbide element.

- Increased contact area between carbide and steel.
- Maximum resistance if rebar is hit.



## Precision Drilling

One-piece cutting element made from solid carbide with 4 x 90° symmetry.

- All 4 carbide cutting edges work uniformly.
- The centering tip allows simple, safe and high-precision drilling.



## Low Vibration

Optimized flute core diameter.

- For extreme fracture resistance and low-vibration drilling performance.
- Easy on the user and drill.



## Fast

Large-volume, scooping flute.

- Special flute geometry for dust removal.



## Durable

Quadruple flute.

- 4 working flute bridges for uniformly low flute wear.



*The fischer SDS Plus IV Quattric redefines drill bit technology. It drills up to 50% more holes than other comparable hammer drill bits. They are perfect for high volume drilling, even in hard stone and reinforced concrete.*

- 4 Solid carbide cutting edges drills even when you hit rebar.
- 4 x 90° cutting edge geometry.
- Patented reinforcement chambers to reduce vibration.
- Large-volume, scooping flute geometry to remove more dust.



## The dynamic cutting-edge chisel-shaped hammer drill bit.



### ADVANTAGES

- The drill bit head with four carbide cutting edges prevents jamming in the concrete reinforcement.
- The quadruple flute reliably transports the drilling dust from the drill hole, which reduces wear.
- The core-reinforced flute ensures maximum transfer of energy, and guarantees a low-vibration drilling.
- The PGM®-compliant cutting element guarantees perfect-fit drill holes to fulfil the highest safety requirements.

### APPLICATIONS

#### To create drill holes in:

- Concrete
- Masonry

#### Also suitable for:

- Natural Stone



### ORDERING INFORMATION

Item #	Description
510591*	SDS Max 1/2 x 13
510596*	SDS Max 1/2 x 21
510600*	SDS Max 9/16 x 21
510601	SDS Max 5/8 x 13
510602	SDS Max 5/8 x 21
510605	SDS Max 3/4 x 13
510606	SDS Max 3/4 x 21
510611	SDS Max 7/8 x 13
510612	SDS Max 7/8 x 21
510614	SDS Max 1 x 13
510615	SDS Max 1 x 21
510618	SDS Max 1 1/8 x 17
510619	SDS Max 1 1/8 x 21
510622	SDS Max 1 1/4 x 15
510623	SDS Max 1 1/4 x 23
510624	SDS Max 1 1/4 x 36
510625	SDS Max 1 3/8 x 23
510629	SDS Max 1 1/2 x 23
504282	SDS Max 18" Bull Point
504284	SDS Max 1" x 12" Flat
504286	SDS Max 1" x 18" Flat

\*These bits only have 2 carbide cutting edges.



## Easy & precise drilling with slipping prevention.



### ADVANTAGES

- The "Power Breakers" on the drill bit head have a "destructive effect". They create micro-cracks in the material and achieve a noticeably improved drilling speed.
- The narrow crown width behind the drill bit head reduces friction and ensures a more powerful transfer of energy during impact drilling. The improved helix allows for an ideal transportation of the drill residue.
- The spiral shape increases stability and, with it, the break resistance.

### APPLICATIONS

#### To create drill holes in:

- Concrete
- Masonry

#### Also suitable for:

- Natural Stone



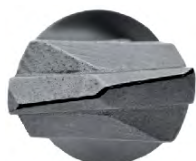
7

Drill Bits

### ORDERING INFORMATION

Item #	Size / Description
507622	SDS Plus 5/32 x 6 1/4
507623	SDS Plus 3/16 x 4 1/4
507624	SDS Plus 3/16 x 6 1/4
507625	SDS Plus 3/16 x 8 1/4
507626	SDS Plus 3/16 x 10
507634	SDS Plus 1/4 x 4 1/4
507635	SDS Plus 1/4 x 6 1/4
507636	SDS Plus 1/4 x 8 1/4
507642	SDS Plus 5/16 x 6 1/4
507644	SDS Plus 3/8 x 6 1/4
507646	SDS Plus 3/8 x 10 1/4
507647	SDS Plus 3/8 x 12 1/4
507650	SDS Plus 7/16 x 6-1/4
507651	SDS Plus 7/16 x 10-1/4
507652	SDS Plus 7/16 x 12-1/4
507654	SDS Plus 1/2 x 6 1/4
507655	SDS Plus 1/2 x 10 1/4
507656	SDS Plus 1/2 x 12 1/4

Item #	Size / Description
507663	SDS Plus 5/8 x 6 1/4
507664	SDS Plus 5/8 x 8
507665	SDS Plus 5/8 x 12
507666	SDS Plus 5/8 x 18
510552	SDS Plus 3/4 x 8
510554	SDS Plus 3/4 x 12
510555	SDS Plus 3/4 x 18
510558	SDS Plus 7/8 x 8
510560	SDS Plus 7/8 x 12
510562	SDS Plus 1 x 8
510563	SDS Plus 1 x 10
510564	SDS Plus 1 x 12
510565	SDS Plus 1 x 18



Top of drill bit











## Cutting Discs



- Low burr formation.
- High cutting speed.
- Cuts steel and stainless steel.
- Won't break or shatter.
- Low odor.

### Cutting of steel and stainless steel

Item #	Description	Box Qty	Hardness Lifetime Stock removal
512502	Cutting Disc 4" x 3/64 x 5/8 Arbor	100	●●●●○○
531709	Cutting Disc 4-1/2" x 3/64 x 7/8 Arbor	25	●●●●○○
531710	Cutting Disc 4-1/2" x 1/16 x 7/8 Arbor	25	●●●●○○
531711	Cutting Disc 5" x 3/64 x 7/8 Arbor	25	●●●●○○
531712	Cutting Disc 5" x 1/16 x 7/8 Arbor	25	●●●●○○
531713	Cutting Disc 6" x 1/16 x 7/8 Arbor	25	●●●●○○
531714	Cutting Disc 7" x 1/16 x 7/8 Arbor	25	●●●●○○

## Grinding Wheels



- High stock removal.
- Long life.
- Comfortable grinding performance.

### Grinding of steel

Item #	Description	Box Qty	Hardness Lifetime Stock removal
512517	Grinding Wheel 4-1/2" x 1/4 x 7/8	25	●●●○○○
512518	Grinding Wheel 5" x 1/4 x 7/8	25	●●●○○○
512520	Grinding Wheel 7" x 1/4 x 7/8	10	●●●○○○

## Flap Wheels

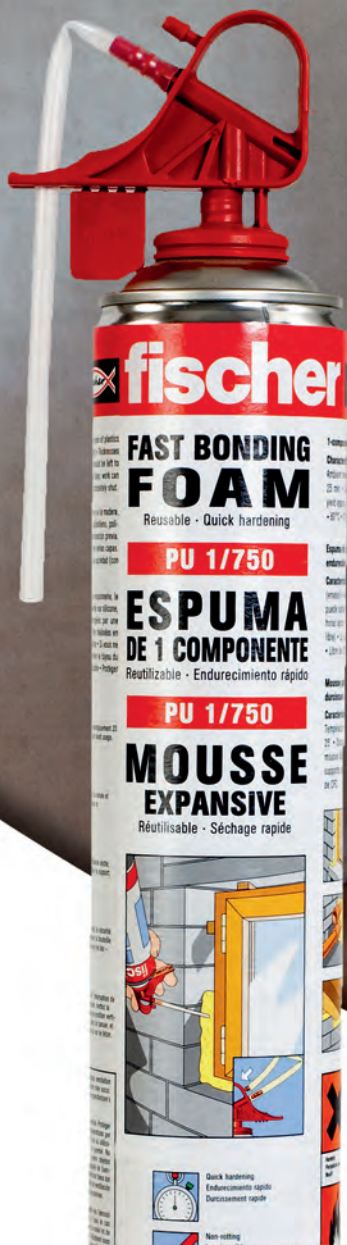


- Low vibrations.
- Low noise.
- Cool grinding.
- Used for surface and edge grinding.
- Ferrous and non-ferrous materials.
- 40 - 80 grit sizes available.

### Grinding of steel and stainless steel

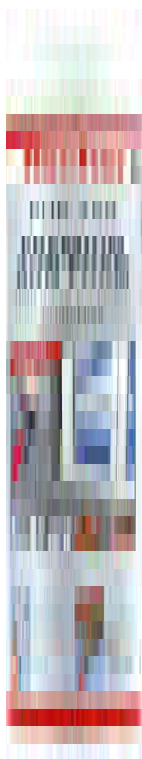
Item #	Description	Box Qty	Lifetime Stock removal
512522	Flap Wheel 4-1/2" x 7/8 40 Grit	10	●●●●○○
512523	Flap Wheel 4-1/2" x 7/8 60 Grit	10	●●●●○○
512524	Flap Wheel 4-1/2" x 7/8 80 Grit	10	●●●●○○







## A one-part polyurethane, minimal expanding foam for doors & windows.



Window Connection Joints



Connection Joints around Doors & Windows

### BUILDING MATERIALS

**Bonds to all standard building materials such as:**

- Anodised layer
- Concrete
- Drywall
- Masonry
- Metals with priming coat
- Plaster
- Plastics (not on PE, PP, Teflon, Silicone)
- Brick or Block
- Cement Board
- Wood

### ADVANTAGES

- The high foam yield of up to 11 gallons / 1.4 cubic feet per 25 fl oz can reduces the number of cans needed.
- The minimal foam expansion during the curing period prevents reworking and guarantees simple and timely application.
- The proven 60dB sound insulation fulfills the standards of modern sound insulation and helps to reduce noise.
- The easy dosage allows for a controlled application, and ensures that the correct amount is used. Beads as small as 1/8" can be applied.
- The perfect-fit connection between the can and the gun allows for the gun foam to be reusable by simply closing the valve and wiping off the foam gun.
- The foam has a long shelf life of 15 months and does not deteriorate over time.
- Paintable & bonds to wood, concrete, drywall, brick, block, metal and plaster.

### APPLICATIONS

- Insulating and filling window connection joints, around window sills and doors.
- Insulating and filling in roofing work and dry construction.
- Insulating and filling finished elements, wall connections, wall penetrations and cavities.
- Sealing and insulating penetrations and gaps in most common building materials.

### FUNCTIONS

- 1-component polyurethane minimal expanding foam
- Fresh foam stains can be removed immediately with fischer PU cleaner.
- Beige in color
- Working temperature from 40° F to 95° F.
- Temperature Resistant from -40° F to 194° F.
- 98% closed cell.
- R-7 insulation value.
- Acoustic insulation value of 60 db.
- Tested waterproof to .5 bar.
- Non-tacky after 15 minutes, can be cut after 45 minutes.
- Consider 2 to 3 times expansion while applying the foam.
- Full cure within 5 to 8 hours depending on the temperature.

### ORDERING INFORMATION

Item	Item #	Size [fl oz]	Max foam yield (free foaming)	Color	Box Qty [pcs]
<b>PUP 750 B3</b>	<b>58501</b>	25 fl oz	11 gallons/ 1.4 cubic ft.	beige	12

**Ideal for repairing damaged zinc coatings using color-matching corrosion protection.**



Ventilation Systems



Roof Construction: Metal Structures

## BUILDING MATERIALS

- All iron and steel surfaces
- Hot-dip galvanized surfaces following drilling, ironwork or welding
- Non-ferrous heavy metal



## ADVANTAGES

- Zinc Spray can be used to repair damaged hot-dip galvanized areas.
- The spray holds strongly on metal and guarantees a lasting connection to the base material.
- The fast-drying Zinc Spray guarantees effective weatherproof corrosion protection and is suitable for use both indoors and out.

## APPLICATIONS

- For post-galvanizing and repairing damaged areas of galvanized parts, drilling and cutting points and welded joints
- Repairing damaged zinc coatings
- Climate control and ventilation technology
- Guard rails
- Metal constructions
- Sheet metal coverings

## FUNCTIONS

- Silver-grey color
- Shake the can well for approx. 2 minutes
- Apply at a distance of 9-11 inches in a cross coat
- Surface dust-dry after just approx. 8 minutes
- Smooth, non-porous film
- High abrasion resistance
- Long-term heat resistance up to approx. 392° F (briefly up to 572° F).
- Ideal processing temperature of 60° F to 77° F.

## ORDERING INFORMATION

Item	Item #	Size	Box Qty
		[fl oz]	[pcs]
<b>FTC-ZA</b>	<b>509241</b>	13.5 fl oz	12





**For routine cleaning of PU foam dispensers after application.**



## ADVANTAGES

- The active components ensure an efficient cleaning which makes the cleaner ideal for the safe removal of fresh PU foam.
- The gun adapter is suitable for all standard systems and enables universal application.
- The separate spray head allows for the cleaning of external surfaces, making the product extremely versatile.
- The highly active cleaner can etch sensitive surfaces (paint, dye, textiles, plastics). It is recommended that you always conduct preliminary tests. Also, make sure to shake the can well for approx. 2 minutes before using it.
- Ensures long-lasting functional efficiency of foam dispensers if applied regularly.

## ORDERING INFORMATION

Item	Item #	Size [fl oz]	Box Qty [pcs]
PUR 500 FOAM DISPENSER CLEANER	53085	17 fl oz	12

**The high-quality installation foam with reusable fix adapter system.**

**Reusable:**  
Simply bend the straw and attach to the nipple.

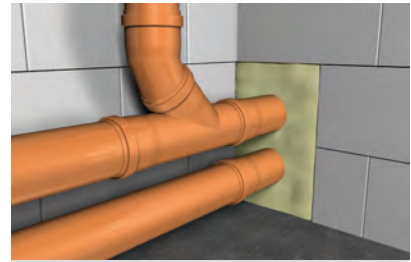


**Item # 50427**

25 fl oz trigger foam



Sealing concrete manhole rings



Filling pipe penetrations

## BUILDING MATERIALS

**Bonds to all standard building materials such as:**

- Concrete
- Anodised layer
- Drywall
- Wood
- Brick or Block
- Plastics (not on PE, PP, Tefl on, silicone)
- Masonry
- Metals with priming coat
- Plaster

## APPLICATIONS

- Insulating and filling in roofing work and dry construction.
- Insulating and filling window connection joints and around window sills.
- Insulating and filling finished elements, wall connections and wall penetrations.
- Doors and windows.
- Electrical and plumbing penetrations.
- HVAC penetrations and ductwork .
- Sealing and insulating penetrations and gaps in most common building materials.
- Bonds to wood, concrete, drywall, brick, block, metal and plaster.
- Bonding and sealing manhole rings

## FUNCTIONS

- Beige in colour
- Solid valve prevents adhesion when being stored horizontally
- Cures within 5 to 8 hours
- Fresh foam stains can be removed immediately with fischer PU cleaner (pg. 41).
- 98% closed cell.
- R-7 insulation value.
- Acoustic insulation value of 60 db.
- Tested waterproof to .5 bar.
- Working temperature from 40° to 95° F.
- Temperature Resistant from -40° F to 194° F.
- Non-tacky after 15 minutes, can be cut after 45 minutes.
- Consider 2 to 3 times expansion while applying the foam



## ORDERING INFORMATION



Trigger Foam PU 750

Item	Item #	Size	Box Qty
		[fl oz]	[pcs]
<b>PU 750 B3</b>	<b>50427</b>	25 fl oz	12

## ADVANTAGES

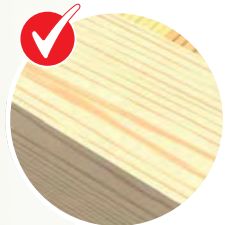
- The reclosable fix adapter allows for immediate use and for the reuse of opened cans, guaranteeing long-lasting functionality.
- The ergonomic handle sits perfectly in the hand and allows for easy use.
- The rapid installation foam has been approved as watertight by an external inspection and is suitable for use in wet conditions.
- Fulfills the requirements of a well foam.
- Minimal expansion - easy to control and prevents rework.
- Simple, controlled application - can apply beads as small as 1/8".
- High foam yield - 11 gallons / 1.4 cubic feet per 25 fl oz can.
- Does not deteriorate over time.
- Long Shelf Life - Up to 15 months.

## CERTIFICATES

- General test certificate from building authorities P-NDS04-136 for B2
- Proven joint soundproofing:  
R(ST,w)=61 (-1; -3) dB in line with ISO EN 717-1
- Test for watertightness for the adhesion of manhole rings

## No tools required!

*Works in **Drywall**, **Wood**, or **Plaster**.*

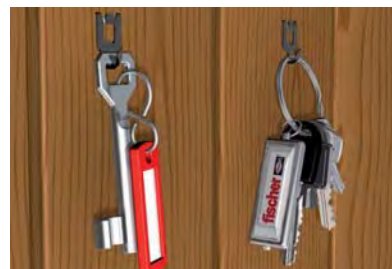




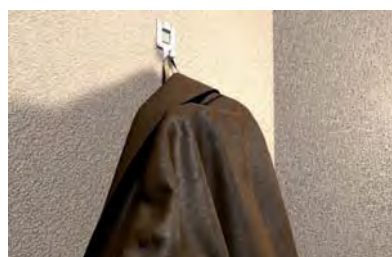
## Secure items easily with Fast & Fix!



Pictures or Art



Keys or Decorative Items



Clothes, Wall Clocks, Tools etc.

### ADVANTAGES

- Easy installation which can be carried out without tools to fix lightweight objects.
- Fast & Fix wall hooks are suitable for all "soft" walls.
- Load value:  
**One Fast & Fix** - max. 17 lbs  
**Two Fast & Fix** - max. 35 lbs.
- Reusable
- Leaves almost no visible damages when removed.

### APPLICATIONS

- Pictures
- Decorative items
- Items of clothing
- Keys
- Thermometers
- Wall clocks
- Tools

### FUNCTIONS

- Secure items quickly and easily - without a hammer or drill.
- Press it directly into the wall - and you're done!
- Two hooks can also be linked together by hanging the second hook into the first and placing them into the wall together. This can increase the load value from 17 lbs to 35 lbs.
- Easy to remove using a screwdriver.

### ORDERING INFORMATION



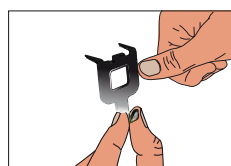
Item #	Description	Pieces per Package	Packages per Box
532760	Fast & Fix White	8	10
532759	Fast & Fix Black	8	10

Holds up to **17 lbs** using one hanger!



Holds up to **35 lbs** using two hangers!

### INSTALLATION





#### Contact Us

fischer Fixings LLC  
1084 Doris Road  
Auburn Hills, MI 48326

Phone: +1(973) 256-3045  
Fax: +1(845) 625-2666  
E-mail: [sales@fischerus.net](mailto:sales@fischerus.net)  
[www.fischerfixingsusa.com](http://www.fischerfixingsusa.com)

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