

## Cartridge powered tools

### Stud Driver B-FIRE Mag.

- Handy driver with a high level of comfort when using, automatic cartridge transport and collated with magazine for 10 head bolt
- Easy to maintain and quick to clean and quick cleaning
- Quickly and easily convertible from magazine to a single device
- Stud guide for single device contained in the scope of delivery of the magazine tool

#### Characteristics

- Stud driver with pusher piston, piston return action through rubber spring, firing protection, power control with setting wheel, inspection chamber for inspection of the cartridges - loading or unloading of the device, wear indicator of the rubber spring on the device housing can be tested, magazine in 4 sturdy 90 ° rotating increments rotating, ergonomical and comfortable to use

#### Processing Information

- With the BERNER B-FIRE stud driver all BERNER head bolts and fastening systems with plastic washer Ø 8 mm can be processed, because all of these have a combination washer with Ø 8/9 mm

#### Hints

- B-FIRE bolt pushing device from C.I.P. System-tested, approved and provided with the test number 001145.
- B-FIRE devices from July 2011 are CE-tested and therefore no longer have to be the prescribed 2-year re-examination.

#### Scope Of Delivery

- Stud driver B-FIRE Mag
- Stud guide for individual head bolt
- Splitter protection
- Hearing protection
- Protective goggles
- Cleaning cloth
- Cleaning set incl 5tlg incl push rod
- Universal Spray
- Plastic carrying case

#### Technical Data

|                    |       |
|--------------------|-------|
| Material, Bolt     | Steel |
| Material, Rondelle | Steel |



## Cartridge powered tools

| Title                            | PU<br>Piece          | Article No.        |
|----------------------------------|----------------------|--------------------|
| POWDER ACTUATED TOOL B-FIREMAG   | 1                    | 044315             |
| <b>AGR: 15.090</b>               |                      |                    |
| <b>Scope Of Supply</b>           |                      |                    |
| B-FIRE Standard Stud Guide       | 1                    | -                  |
| B-FIRE Rubber Spring with Ring   | 2                    | 046888             |
| Splinter protection              | 1                    | -                  |
| Cleaningset 5 pcs. with push rod | 1                    | -                  |
| Plastic box                      | 1                    | -                  |
| <b>Accessories Available</b>     |                      |                    |
|                                  | <b>PU<br/>Amount</b> | <b>Article No.</b> |
| Cartridges 6,3/10 red            | 100/1000             | 044511             |
| Cartridges 6,3/10 yellow         | 100/1000             | 044513             |
| universal spray S6 400ml         | 1/15                 | 014195             |
| <b>Spare Parts</b>               |                      |                    |
|                                  | <b>PU<br/>Piece</b>  | <b>Article No.</b> |
| B-FIRE Complete Magazine         | 1                    | 046890             |

# Cartridges

## Round Magazine Cartridges for Stud Driver

- Approved by the PTB (Federal Institute of Physics and Metrology of Germany)
- Because of the adapter in the metal round magazine the cartridges are held together steady and therefore the device will be prevented to get stuck

### Application Area

- For use with Berner stud driver B-FIRE and B-FIRE Mag.

### Characteristics

- Precise adjustment through different charge strengths for every application, identified by a color code system, 10 cartridges in metal round magazine

### Hints

- For usage in Berner B-FIRE, B-FIRE Mag. and P370



| Title      | Calibre, Value 1 | Calibre, Value 2 | Color  | Charge Strength | Capacity Per Stack | PU Piece | Article No. |
|------------|------------------|------------------|--------|-----------------|--------------------|----------|-------------|
| Cartridges | 6.3              | 10               | Red    | High            | 10 PC              | 100/1000 | 044511      |
| Cartridges | 6.3              | 10               | Yellow | Medium          | 10 PC              | 100/1000 | 044513      |

AGR: 15.101

## Cartridges for Stud Drivers

- Approved by the PTB (Federal Institute of Physics and Metrology of Germany)

### Application Area

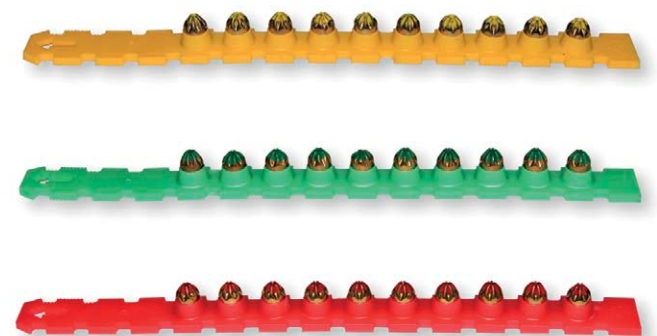
- For use with the most common stud drivers

### Characteristics

- Precise adjustment through different charge strengths, suitable for every application, identified by a color code system, 10 cartidges in plastic magazine strips

### Hints

- Suitable for following stud drivers: BSG II, B-SG 100, 200, 201, DX 36, DX A40, DX A41, DX 460, DX 450, DX 351



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## Cartridges

| Title      | Calibre, Value 1 | Calibre, Value 2 | Color  | Charge Strength | Capacity Per Stack | PU Piece | Article No. |
|------------|------------------|------------------|--------|-----------------|--------------------|----------|-------------|
| Cartridges | 6.8              | 11               | Green  | Low             | 10 PC              | 100/1000 | 135840      |
| Cartridges | 6.8              | 11               | Red    | High            | 10 PC              | 100/1000 | 133928      |
| Cartridges | 6.8              | 11               | Yellow | Medium          | 10 PC              | 100/1000 | 135841      |

AGR: 15.100

## Headed Studs B-KB P8

### Application Area

- Fixations in concrete up to C 35/45 (B45), steel up to S 235 (St. 37), as well as limes and stone up to 40 N/mm<sup>2</sup> strength, full stone

### Characteristics

- Shaft diameter 3.7 mm, electro-galvanized, nylon-plastic combi washer Ø 8/9 mm

### Hints

- Suitable for the following stud drivers: B-FIRE, BSG II, B- SG 100, 200, 201, DX 36, DX A40 (up to 47 mm), DX A41, DX 460, DX 351 (up to 47 mm)

### Technical Data

|                    |                             |
|--------------------|-----------------------------|
| Material, Bolt     | Steel electrogalvanized [2] |
| Material, Rondelle | Polyamide (PA)              |



| Title                | Shank Length | PU Piece | Article No. |
|----------------------|--------------|----------|-------------|
| Headed Studs B-KB P8 | 19 mm        | 100      | 422088      |
| B-KB 22 P 8 HEADBOLT | 22 mm        | 100      | 422207      |
| Headed Studs B-KB P8 | 27 mm        | 100      | 422215      |
| Headed Studs B-KB P8 | 32 mm        | 100      | 422223      |
| B-KB 37 P 8 HEADBOLT | 37 mm        | 100      | 422231      |
| Headed Studs B-KB P8 | 42 mm        | 100      | 422169      |
| Headed Studs B-KB P8 | 47 mm        | 100      | 422177      |
| Headed Studs B-KB P8 | 52 mm        | 100      | 422185      |
| Headed Studs B-KB P8 | 57 mm        | 100      | 422193      |
| Headed Studs B-KB P8 | 62 mm        | 100      | 422126      |
| Headed Studs B-KB P8 | 67 mm        | 100      | 422134      |
| Headed Studs B-KB P8 | 72 mm        | 100      | 422142      |

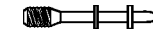
AGR: 15.200

## Thread Studs B-GB P8/9

### Application Area



- Fixation in full steel with a minimum thickness of 6 mm and steel strength up to 450 Nm<sup>2</sup>



### Characteristics

- Thread M 8, shaft diameter 4,5 mm, electro-galvanized, nylon-plastic combi washer Ø 8/9 mm

### Processing Information

- Observe the maximum pull torque thread studs M 8
- Tightening torque with fixations in steel: 9 Nm
- The use of thread studs outside is only suitable with limitations.

### Hints

- Suitable for following bolt driving tool: B-FIRE, BSG II, B-SG 100, 200, 201, DX 36, DX A40 (up to 47 mm), DX A41, DX 460, DX 351 (up to 47 mm)

### Technical Data

|                    |                             |
|--------------------|-----------------------------|
| Material, Bolt     | Steel electrogalvanized [2] |
| Material, Rondelle | Polyamide (PA)              |

| Title                  | Threaded version, nominal Ø | Thread length | Shank Length | PU Piece | Article No. |
|------------------------|-----------------------------|---------------|--------------|----------|-------------|
| Thread Studs B-GB P8/9 | 8 mm                        | 12 mm         | 18 mm        | 100      | 422681      |

AGR: 15.210

## Coiled Headed Studs MKB Uni P9

### Application Area

- Series fixings in concrete C40 / 50 (B 50), lime sand to 40 N / mm<sup>2</sup> and steel to S355 (St.52) to 500 N / mm<sup>2</sup>

### Characteristics

- Shaft diameter 4.0 mm - in the bolt tip 3.5 mm (step bolt) from length 25 mm, electroplated galvanized with a layer thickness of about 7 microns zinc, core hardness 54-58 HRC, in magazines in plastic strip with 10 pins

### Processing Information

- High quality head bolts for versatile use on concrete, limestone and full brick as well as for use on steel substrates (short shank length)

### Hints

- Suitable for the following stud drivers:
- Berner B-FIRE Mag.
- P370

### Technical Data

|                    |                             |
|--------------------|-----------------------------|
| Material, Bolt     | Steel electrogalvanized [1] |
| Material, Rondelle | Polypropylene (PP)          |



| Title                          | Shank Length | PU Piece | Article No. |
|--------------------------------|--------------|----------|-------------|
| Coiled Headed Studs MKB TOP P9 | 18 mm        | 500      | 044500      |
| Coiled Headed Studs MKB TOP P9 | 25 mm        | 500      | 044499      |
| Coiled Headed Studs MKB TOP P9 | 30 mm        | 500      | 044498      |
| Coiled Headed Studs MKB TOP P9 | 35 mm        | 500      | 044497*     |
| Coiled Headed Studs MKB TOP P9 | 40 mm        | 300      | 044496      |
| Coiled Headed Studs MKB TOP P9 | 50 mm        | 100      | 045757      |
| Coiled Headed Studs MKB TOP P9 | 60 mm        | 100      | 045755      |

\* = The delivery time is 30 days  
 AGR: 15.206

## Coiled Headed Studs B-MKB DX

### Application Area

- Serial fixation in concrete up to 40 N/mm<sup>2</sup>, steel 450 N/mm<sup>2</sup>, limes and stone 40 N/mm<sup>2</sup>, full stone

### Characteristics

- Shaft diameter 3.7 mm, electro-galvanized with layer thickness of approx. 5 – 7 µm zinc, core hardness 52-54 HRC, stacked in plastic strip of 10 nails

### Processing Information

- High quality headed stud for versatile use on concrete, limes and stone and full stone, as well as for use on steel undergrounds (short shaft length)

### Hints

- Suitable for the following stud drivers:
- DX 36 MX-32 (up to 32 mm)
- DX 36 MX-62 (up to 62 mm)
- DX A 40 X-AM 32 (up to 32 mm)
- DX A41 X-AM 72 (up to 72 mm)
- DX 351 X-MX 27 (up to 27 mm)
- DX 460 MX (up to 72 mm)

### Technical Data

|                    |                             |
|--------------------|-----------------------------|
| Material, Bolt     | Steel electrogalvanized [2] |
| Material, Rondelle | Polyamide (PA)              |



| Title                        | Shank Length | PU Piece | Article No. |
|------------------------------|--------------|----------|-------------|
| Coiled Headed Studs B-MKB DX | 27 mm        | 100      | 157595      |
| Coiled Headed Studs B-MKB DX | 32 mm        | 100      | 157596      |
| Coiled Headed Studs B-MKB DX | 42 mm        | 100      | 157599*     |
| Coiled Headed Studs B-MKB DX | 52 mm        | 100      | 157602      |
| Coiled Headed Studs B-MKB DX | 57 mm        | 100      | 157603      |
| Coiled Headed Studs B-MKB DX | 62 mm        | 100      | 157604      |
| Coiled Headed Studs B-MKB DX | 72 mm        | 100      | 157795      |

\* = The delivery time is 45 days

AGR: 15.201



## Additional Steel Washer steel B-ZRS

### Application Area

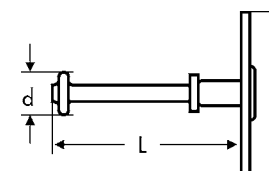
- Fast and secure fixation of easily moldable materials: Corrugated foil, brass, rail systems in dry construction
- Wood fixations

### Characteristics

- Pre-mounted fixing system for fast operation, washer is galvanized which ensures, protection against corrosion

### Hints

- Suitable for following stud drivers: BSG II, B-SG 100, 200, 201, DX 36, DX A40, DX A41, DX 460, DX 351



| Title                                    | Diameter Roundabout | Diameter Additional Roundabout | Length Bolt | PU Piece | Article No. |
|--|---------------------|--------------------------------|-------------|----------|-------------|
| Headed Stud with Additional Steel Washer | 8 mm                | 36 mm                          | 32 mm       | 100      | 834327      |

AGR: 15.320

## Clamp B-ESH

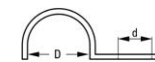
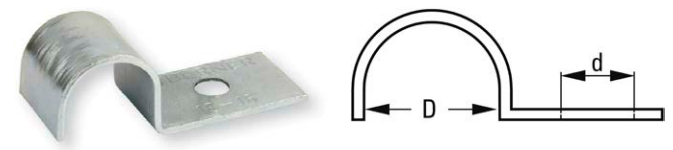
- Drilling diameter  $\varnothing$  6 mm enables processing by a stud driver, dowel mounting or fixing pin clamp

### Application Area

- Fixation of water and central-heating pipes
- Fixation of conduits for power cables, data cables, coaxial cables

### Characteristics

- Bright galvanized clamps, material thickness 1.5 mm



| Title    | for pipe outside $\varnothing$ | Diameter B Mounting Hole | PU Piece | Article No. |
|----------|--------------------------------|--------------------------|----------|-------------|
| Fixbride | 16 mm                          | 6 mm                     | 100      | 767298      |
| Fixbride | 18 mm                          | 6 mm                     | 100      | 767301      |
| Fixbride | 20 mm                          | 6 mm                     | 100      | 767310      |
| Fixbride | 22 mm                          | 6 mm                     | 100      | 767328      |
| Fixbride | 24 mm                          | 6 mm                     | 100      | 767336      |
| Fixbride | 28 mm                          | 6 mm                     | 100      | 767344      |
| Fixbride | 35 mm                          | 6 mm                     | 50       | 767352      |

AGR: 13.307

## Fastening systems

### Fixbride Double Clamp

- The bore diameter  $\varnothing$  6 mm enables the processing through the bolt incentive tool, the dowel assembling or the Fixpin
- Double clamp for parallel fastening

#### Application Area

- Fastening of water- and heating pipes
- Fastening of empty conduits for electric cable, data lines and coax cables

#### Characteristics

- Clamps with glossy galvanized steel, material thickness 1,5mm



| Title                 | for pipe outside $\varnothing$ | For Armour Steel Pipe | Diameter B Mounting Hole | PU Piece | Article No. |
|-----------------------|--------------------------------|-----------------------|--------------------------|----------|-------------|
| Fixbride Double Clamp | 22 mm                          | PG13.5/DN20           | 6 mm                     | 50       | 839965      |
| Fixbride Double Clamp | 24 mm                          | PG16/DN20             | 6 mm                     | 50       | 839973      |
| Fixbride Double Clamp | 28 mm                          | PG21/DN25             | 6 mm                     | 50       | 839990      |
| Fixbride Double Clamp | 35 mm                          | -                     | 6 mm                     | 50       | 840025      |

AGR: 13.307

## Combined Clamp B-ESH

- Pre-assembled mounting system thus ready for use

### Application Area

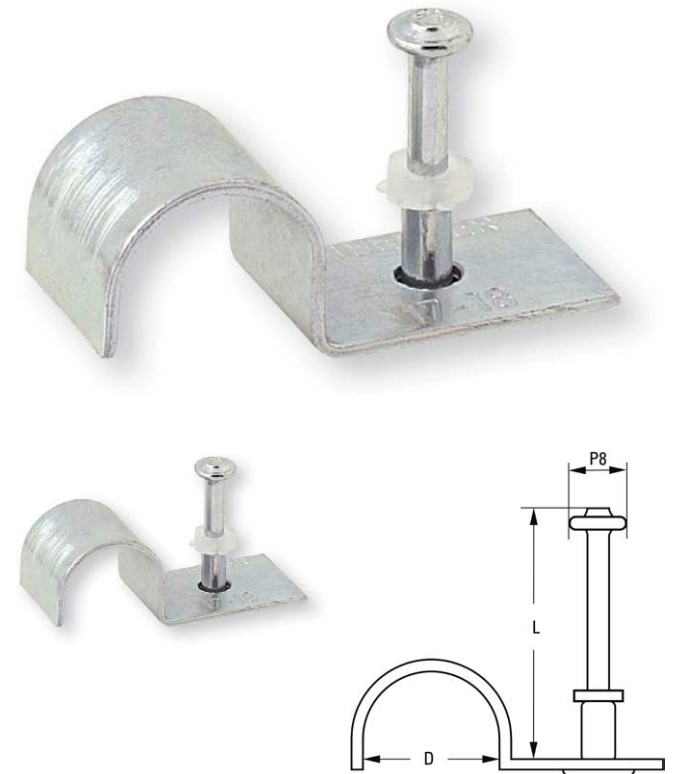
- Securing water and heating pipes by means of stud driver in concrete, solid substrates
- Attaching conduits for electric cables, data cables, Coaxial Cable stud driver in concrete, solid substrates

### Characteristics

- Bright galvanized clamps, material thickness 1.5 mm, nylon-plastic combination Rondelle Ø 8/9 mm

### Hints

- Suitable for Powder Actuated Devices:
- B-FIRE
- BSG II, B-SG 100, 200, 201
- DX 36, DX A40, A41 DX, DX 460, DX 351



| Title                | for pipe outside Ø | For Armour Steel Pipe | Length Bolt | Diameter Roundabout | PU Piece | Article No. |
|----------------------|--------------------|-----------------------|-------------|---------------------|----------|-------------|
| Combined Clamp B-ESH | 24 mm              | PG16/DN20             | 27 mm       | 8 mm                | 100      | 770043      |

AGR: 15.300

## Individual Formwork Casing Nails B-SNS

### Application Area

- Fixation of shuttering and temporary measures (auxillary shuttering) made of wood on concrete

### Characteristics

- Quick and easy fixation of wood to concrete, burnished surface breaking point for easy breakage of the formwork nail after use, pre-determined, plastic combination washer  $\varnothing 8 / 9$  mm

### Processing Information

- Collapse of the formwork nail only by means of pipe, do not strike off

### Hints

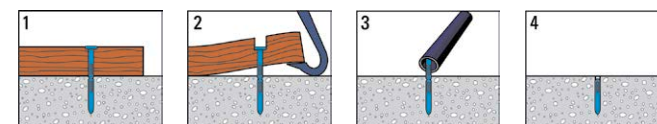
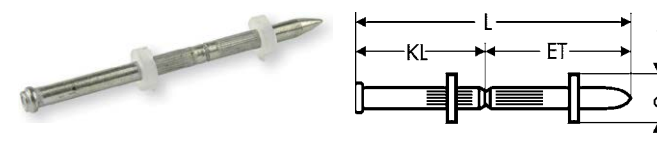
- Suitable for the following stud drivers: BSG II, B-SG 100, 200, 201, DX 36, DX A40 (up to 47 mm), DX A41, DX 460, DX 351

### Technical Data

|                     |       |
|---------------------|-------|
| Diameter Roundabout | 8 mm  |
| Penetration Depth   | 25 mm |

| Title         | Total Length | Usable Length | PU Piece | Article No. |
|---------------|--------------|---------------|----------|-------------|
| Formwork Nail | 62 mm        | 37 mm         | 100      | 920738      |

AGR: 15.203



## Formwork Stop B-VSA

- Pre-mounted fixation system, can be used immediately

### Application Area

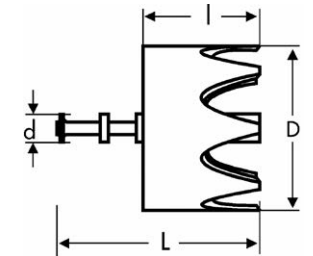
- Positioning and fixation of shuttering made of wood or steel

### Characteristics

- High stable polyethylene, pre-mounted with headed Electro-galvanized stud and plastic washer 8/9mm, galvanized bolt head.
- Shaft diameter of headed stud: 3.7 mm
- Surface protection headed stud: zinc plated

### Hints

- Appropriate for following bolt driving tool: BSG II, B-SG 100,200, 201, DX 36, DX A40, DX A41, DX 460, DX 351



| Title               | Diameter Roundabout | Diameter Additional Roundabout | Height Formwork Stop | Length Bolt | PU Piece | Article No. |
|---------------------|---------------------|--------------------------------|----------------------|-------------|----------|-------------|
| Formwork Stop B-VSA | 8 mm                | 48 mm                          | 34 mm                | 57 mm       | 100      | 154265      |

AGR: 15.330

## Fastening systems

### Formwork Stop B-FIRE

- Pre-mounted fixation system, can be used immediately

#### Application Area

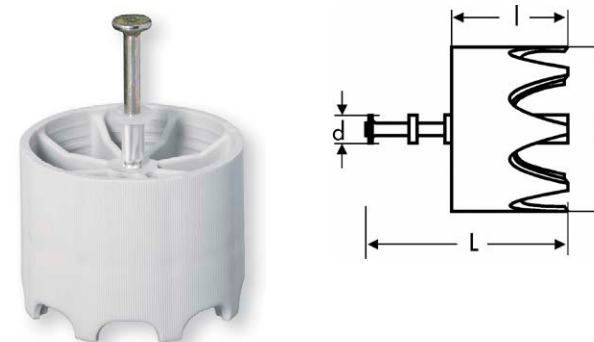
- Positioning and fixation of shuttering made of wood or steel

#### Characteristics

- High stable polyethylene, pre-mounted with headed stud and plastic washer 9 mm, headed stud is electro galvanized
- Shaft diameter of headed stud: 3.7 mm
- Surface protection of headed stud: Electro-galvanized

#### Hints

- Suitable for the following stud drivers: Berner B-FIRE



| Title         | Diameter Roundabout | Diameter Additional Roundabout | Height Formwork Stop | Length Bolt | PU Piece | Article No. |
|---------------|---------------------|--------------------------------|----------------------|-------------|----------|-------------|
| Formwork Stop | 9 mm                | 50 mm                          | 35 mm                | 60 mm       | 100      | 047350      |

AGR: 15.330

## Insulating Fixing B-FIRE

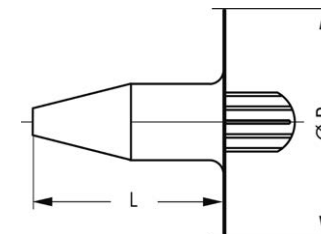
- Pre-assembled mounting system, resulting in up to 5 times faster performance over traditional insulation fixings
- The pre-assembled bolt head is covered with plastic to protect against corrosion

### Application Area

- External or internal insulation of basements, walls and masonry

### Characteristics

- Safe locking of mineral insulation and polystyrene insulation boards on concrete and stone,
- Attaching soft insulation material, no compression of the insulation / polystyrene plates, secure hold of the plaster on insulating panel holder by shooting cover with a plaster base function, galvanized bolts with plastic coating



### Processing Information

- Insulation attachment used with following substrates:
- Concrete C12 / 15 to C30 / 37 (former concrete strength class B15 B35 up)
- Exposed brickwork such. As limestone, cement stone

### Hints

- Suitable for stud driver Berner B-FIRE only in conjunction with insulation board mount kit (DPH-kit).
- (DPH kit available as accessory Item No. 049805)

| Title                          | Plate-Ø | Bolt Length | For Insulation Thickness | PU Piece | Article No. |
|--------------------------------|---------|-------------|--------------------------|----------|-------------|
| INSULATION PAN.H.65-100 B-FIRE | 65 mm   | 57 mm       | 100 mm                   | 100      | 049809      |
| INSULATION PAN.H. 65-60 B-FIRE | 65 mm   | 57 mm       | 60 mm                    | 200      | 049811      |

AGR: 15.310

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## Fastening systems

### Insulating Fixing DPHB-DX

- Pre-mounted fixation system, thus up to 5 times faster operation than with common insulating material fixings

#### Application Area

- Exterior or interior insulation of basement rooms, façades, brickwork

#### Characteristics

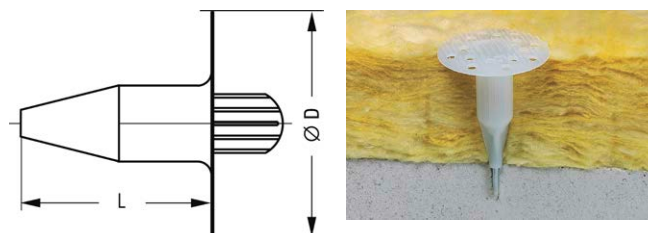
- Safe locking of mineral insulation and polystyrene insulation boards on concrete and stone,
- Attaching soft insulation material, no compression of the insulation / polystyrene plates, secure hold of the plaster on insulation boards holders by closing lid with plaster base function, galvanized bolts

#### Processing Information

- Insulation attachment used with following substrates:
- Concrete C12 / 15 to C30 / 37 (former concrete strength class B15 B35 up)
- Exposed brickwork such. As limestone, cement stone

#### Hints

- Suitable for the following stud drivers: DX 36, DX A40, DX A41, DX 460



| Title     | Plate-Ø | Bolt Length | For Insulation Thickness | PU Piece | Article No. |
|-----------|---------|-------------|--------------------------|----------|-------------|
| B-DPHB-DX | 65 mm   | 57 mm       | 100 mm                   | 200      | 145075      |
| B-DPHB-DX | 65 mm   | 57 mm       | 60 mm                    | 300      | 145070      |
| B-DPHB-DX | 65 mm   | 57 mm       | 80 mm                    | 200      | 145073      |

AGR: 15.311

## B-FIRE Complete Magazine

### Characteristics

- For head bolts Typ MKB Uni P9 or MKB Top P9 with a length of 15 mm up max. 60 mm

### Hints

- For the conversion B-FIRE single device to magazine device B-FIRE Mag.

### Technical Data

|                    |       |
|--------------------|-------|
| Material, Bolt     | Steel |
| Material, Rondelle | Steel |



| Title                    | PU Piece | Article No. |
|--------------------------|----------|-------------|
| B-FIRE Complete Magazine | 1        | 046890      |

AGR: 15.090

## Insulating Board Holder B-Fire

### Processing Information

- Conversion kit for the Berner B-FIRE stud driver for processing insulation attachment B-FIRE with insulation thicknesses of 60, 80, 100 and 120 mm



### Scope Of Delivery

- B-FIRE bolt guide DPH
- B-FIRE piston DPH
- B-FIRE rubber spring (2 pieces)
- B-FIRE rubber ring

| Title          | PU Piece | Article No. |
|----------------|----------|-------------|
| B-FIRE DPH KIT | 1        | 049805      |

AGR: 15.090

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# Further Bolt Impulse Technology

## B-FIRE Rubber Spring with Ring



### Hints

- For use in the Berner Powder Actuated Devices B and B-FIRE-FIRE Mag.
- The rubber spring must be replaced with a length less than 161 mm
- The rubber ring must be replaced with a thickness less than 4 mm
- Both wear parts (rubber spring / rubber ring) should always be replaced together
- Not suitable for use in insulating panel holder kit

### Technical Data

|                    |            |
|--------------------|------------|
| Material, Bolt     | Steel      |
| Material, Rondelle | Nylon 210T |

| Title                          | PU Piece | Article No. |
|--------------------------------|----------|-------------|
| B-FIRE Rubber Spring with Ring | 1        | 046888      |

AGR: 15.090

## B-Fire Cleaning SET



| Title                     | PU Piece | Article No. |
|---------------------------|----------|-------------|
| B-FIRE Cleaning Set 5-pc. | 1        | 046891*     |

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