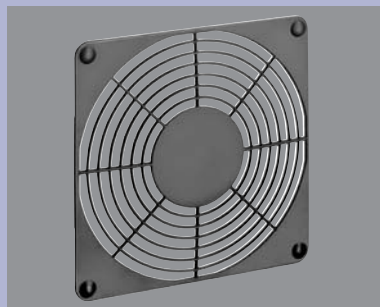
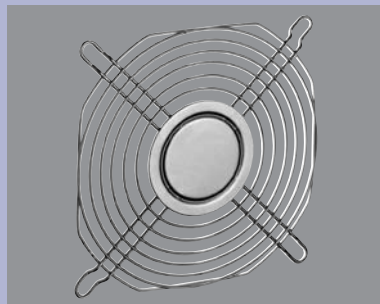
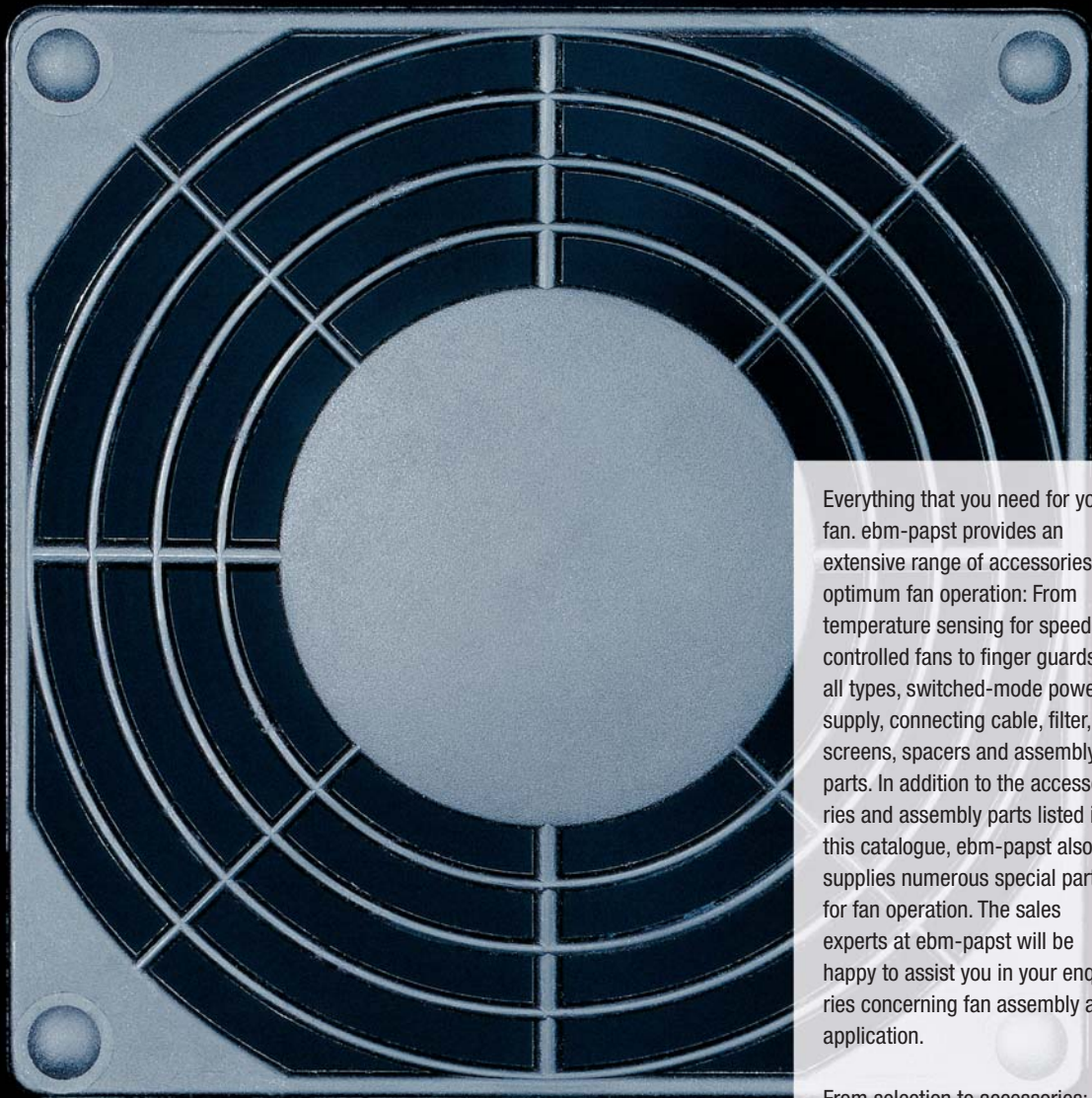




|                      |     |
|----------------------|-----|
| Finger Guards        | 134 |
| Filter Guards grille | 139 |
| Accessories          | 140 |
|                      |     |



Everything that you need for your fan. ebm-papst provides an extensive range of accessories for optimum fan operation: From temperature sensing for speed-controlled fans to finger guards of all types, switched-mode power supply, connecting cable, filter, screens, spacers and assembly parts. In addition to the accessories and assembly parts listed in this catalogue, ebm-papst also supplies numerous special parts for fan operation. The sales experts at ebm-papst will be happy to assist you in your enquiries concerning fan assembly and application.

From selection to accessories: Insist on the efficient and reliable service provided by ebm-papst.

# Finger Guards

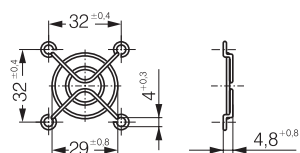


- Finger guards as per EN 294, of rust-proof steel wire for equipment fans.
- Further finger guards that do not conform to EN 294 can be supplied on request.

| Fan series | Finger Guards |
|------------|---------------|
| 400        | LZ29-1        |
| 500        | LZ31          |
| 600        | LZ28-1        |
| 3000       | LZ23-1        |
| 8000       | LZ32-4        |
| 9000       | LZ30-4        |
| 4000       | LZ30-4        |

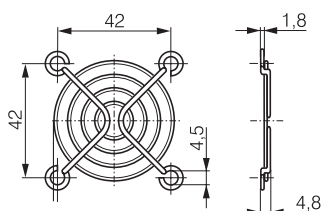
**LZ29-1**

**Fan size 40 x 40**



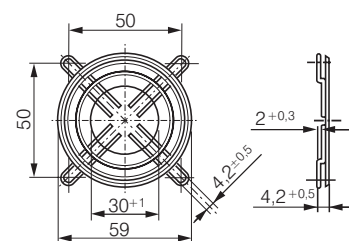
**LZ31**

**Fan size 50 x 50**



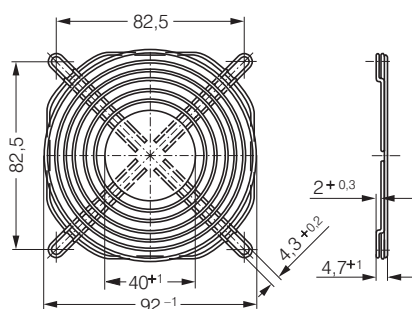
**LZ28-1**

**Fan size 60 x 60**



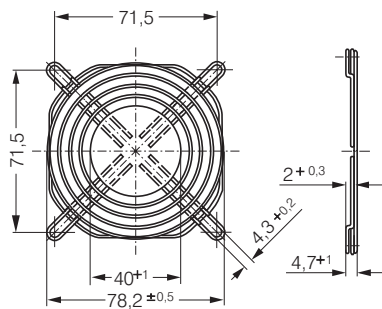
**LZ23-1**

**Fan size 92 x 92**



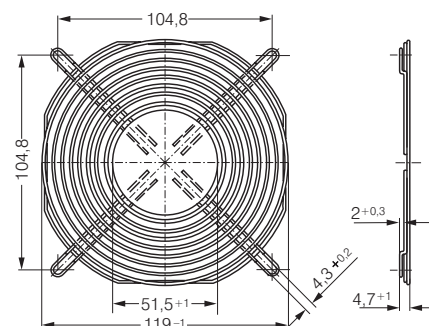
**LZ32-4**

**Fan size 80 x 80**



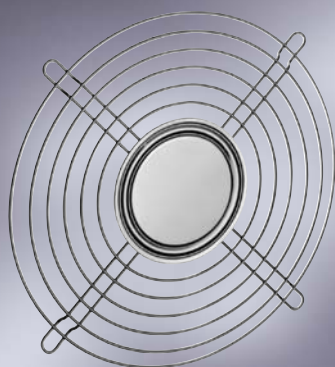
**LZ30-4**

**Fan size 119 x 119**

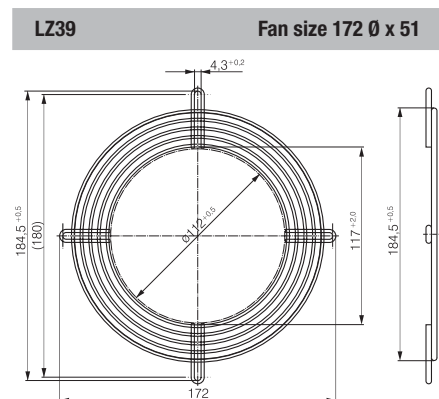
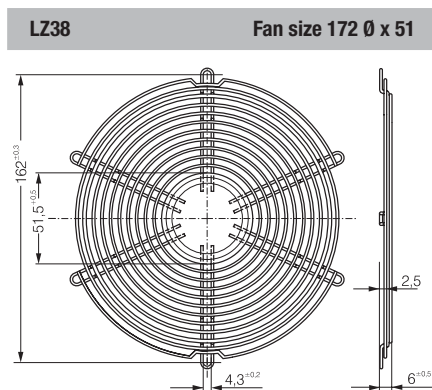
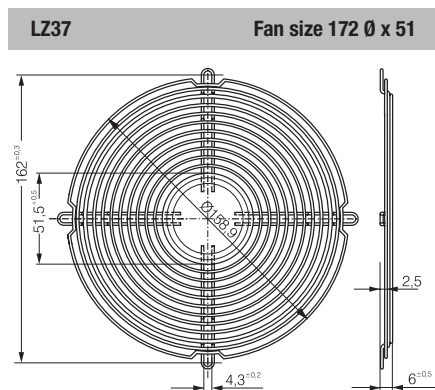
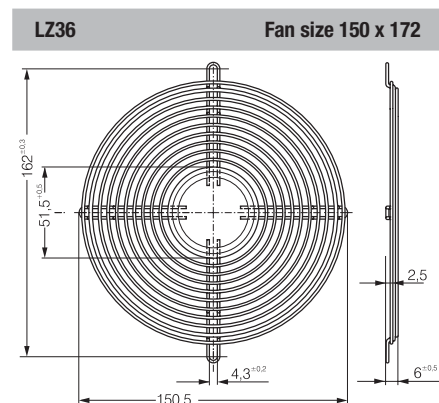
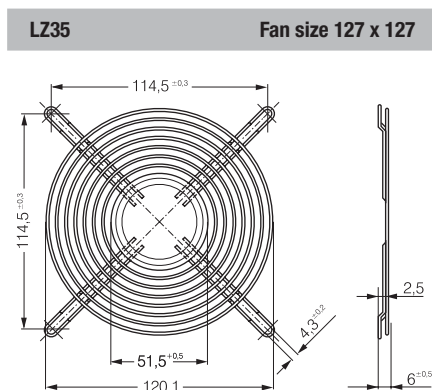
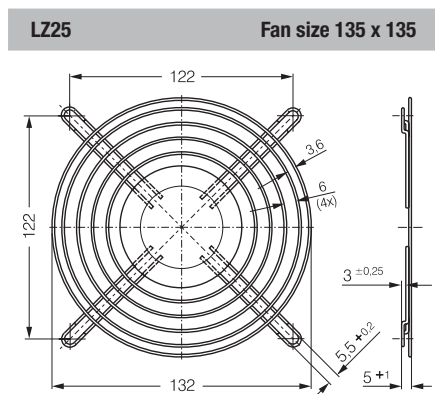


# Finger Guards

- Finger guards as per EN 294, of rust-proof steel wire for equipment fans.
- Further finger guards that do not conform to EN 294 can be supplied on request.

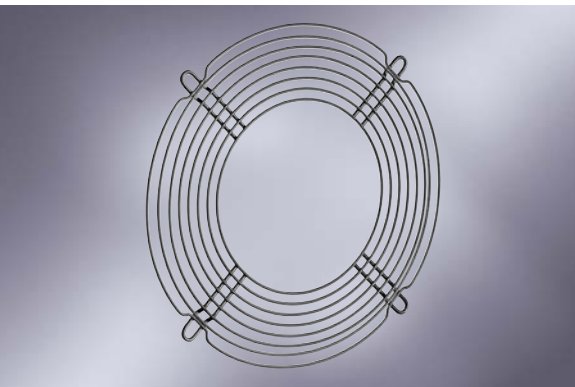


| Fan series | Finger Guards | Fan series | Finger Guards     |
|------------|---------------|------------|-------------------|
| 5100       | LZ25          | DV 6200    | LZ37 suction face |
| 5600       | LZ25          | DV 6200    | LZ39 blade face   |
| 5200       | LZ35          | DV 6400    | LZ38 suction face |
| 5900       | LZ35          | DV 6400    | LZ39 blade face   |
| 7000       | LZ36          |            |                   |
| 6200       | LZ37          |            |                   |
| 6400       | LZ38          |            |                   |



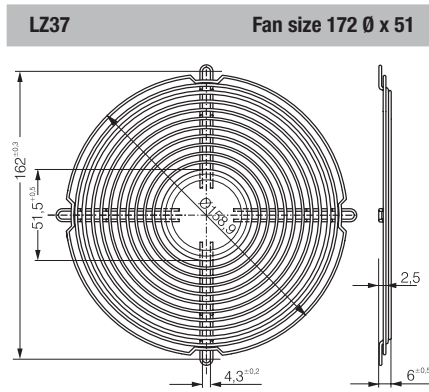
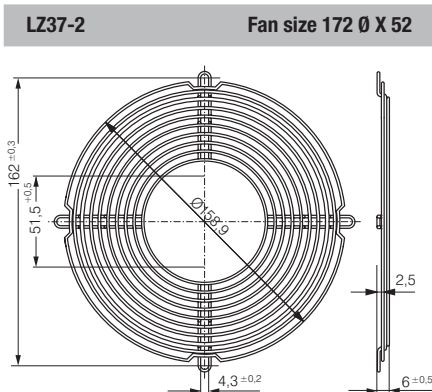
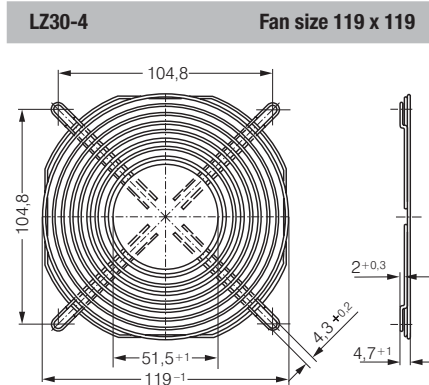
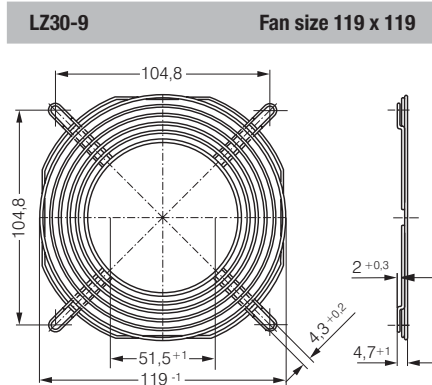


# ACmaxx Axial Fans Finger Guards

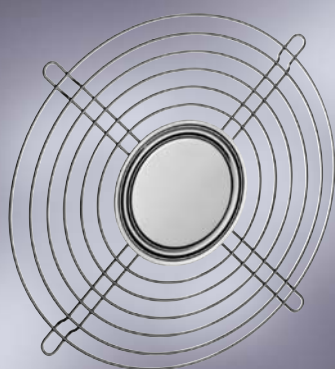


- Finger guards as per EN 294, of rust-proof steel wire for equipment fans.

| Fan series | Finger Guards |              |
|------------|---------------|--------------|
| AC 4300 H  | LZ30-4        | suction face |
| AC 4300 H  | LZ30-9        | blade face   |
| AC 6200 NM | LZ37          | suction face |
| AC 6200 NM | LZ37-2        | blade face   |



# Finger Guards

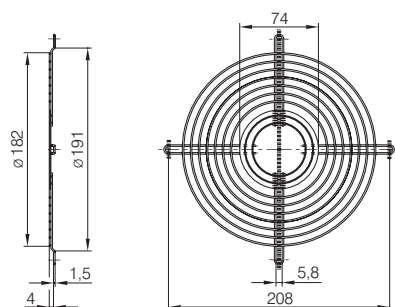


- Size 180: galvanised steel wire, chromatised in blue.
- Size 200 / 208 / 250: steel wire, plastic coated, silver metallic gloss.

| Fan series | Finger Guards | Fan series | Finger Guards |
|------------|---------------|------------|---------------|
| W1G 180    | 26388-2-4039  | W4S 200    | 78128-2-4039  |
| W1G 200    | 78128-2-4039  | W2E 208    | 35139-2-4039  |
| W1G 208    | 35139-2-4039  |            | 35138-2-4039  |
|            | 35138-2-4039  | W2D 208    | 35139-2-4039  |
| W1G 250    | 09418-2-4039  |            | 35138-2-4039  |
| W2E 200    | 78128-2-4039  | W2E 250    | 09418-2-4039  |

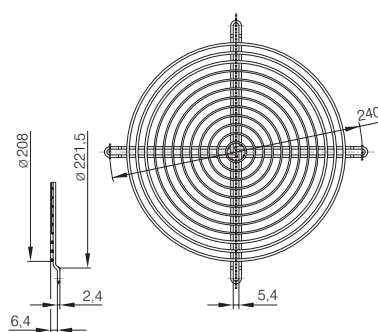
26388-2-4039

Size 180



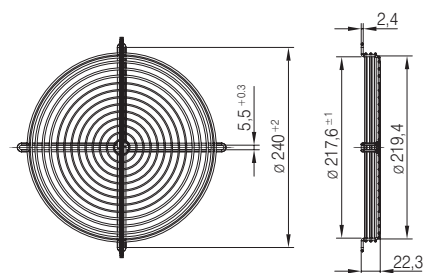
78128-2-4039

Size 200



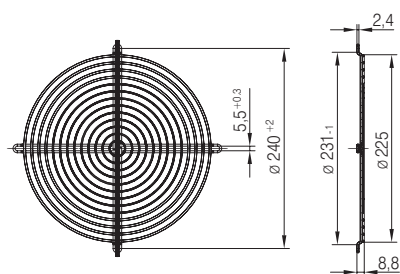
35139-2-4039

Size 208



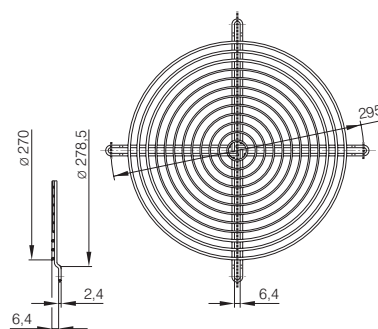
35138-2-4039

Size 208

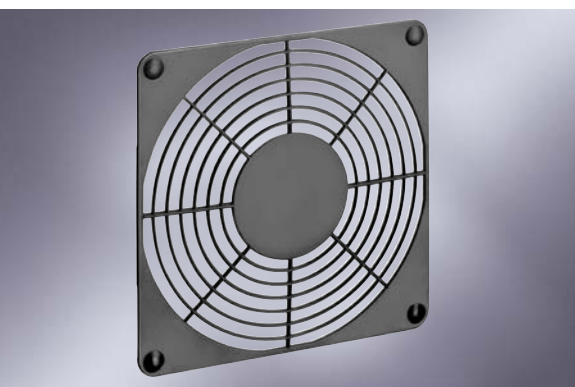


09418-2-4039

Size 250



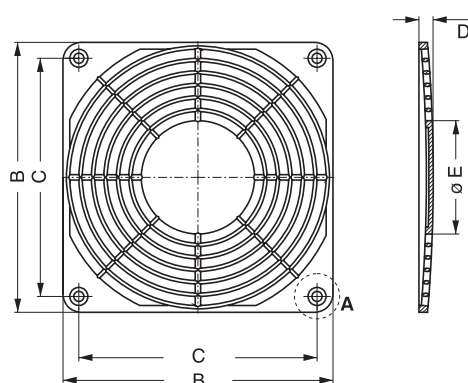
# Finger Guards



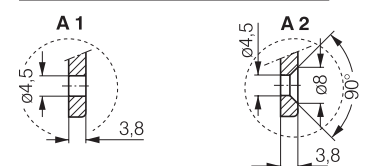
- Finger guards of black, fibreglass reinforced plastik (conform to EN 294).

| Fan series | Finger Guards | Fan series | Finger Guards |
|------------|---------------|------------|---------------|
| 8000       | LZ32-2        | 4000       | LZ30-5        |
| 8000       | LZ32-3        | 4000       | LZ30-6        |
| 3000       | LZ23-2        | 5200       | LZ33-1        |
| 3000       | LZ23-3        | 5200       | LZ33-2        |
| 9000       | LZ30-5        | 5900       | LZ33-1        |
| 9000       | LZ30-6        | 5900       | LZ33-2        |

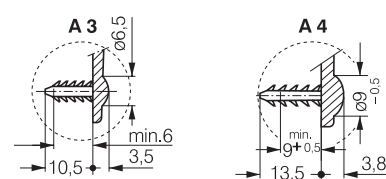
| Finger Guards | Mounting | B                    | C                     | D   | E  |
|---------------|----------|----------------------|-----------------------|-----|----|
| LZ32-2        | A1       | 80 <sup>-0,5</sup>   | 71,5 <sup>±0,2</sup>  | 7.0 | 34 |
| LZ32-3        | A3       | 80 <sup>-0,5</sup>   | 71,5 <sup>±0,2</sup>  | 7.0 | 34 |
| LZ23-2        | A1       | 92,5 <sup>-0,5</sup> | 82,5 <sup>±0,2</sup>  | 6.5 | 46 |
| LZ23-3        | A3       | 92,5 <sup>-0,5</sup> | 82,5 <sup>±0,2</sup>  | 6.5 | 46 |
| LZ30-5        | A2       | 119 <sup>-0,5</sup>  | 105 <sup>±0,2</sup>   | 6.5 | 50 |
| LZ30-6        | A4       | 119 <sup>-0,5</sup>  | 105 <sup>±0,2</sup>   | 6.5 | 50 |
| LZ33-1        | A2       | 127 <sup>-0,5</sup>  | 113,5 <sup>±0,2</sup> | 6.5 | 50 |
| LZ33-2        | A4       | 127 <sup>-0,5</sup>  | 113,5 <sup>±0,2</sup> | 6.5 | 50 |



Screw connection

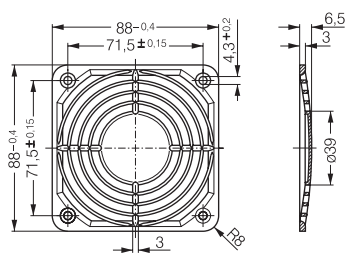


Barbed inserts



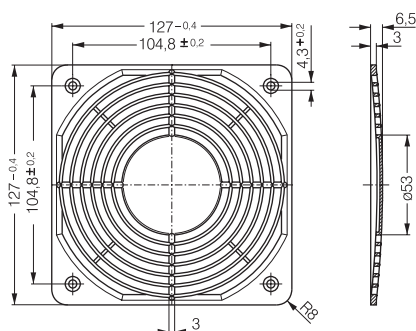
LZ32P

Fan size 80 x 80



LZ30P

Fan size 119 x 119



# Fan Filter Guards



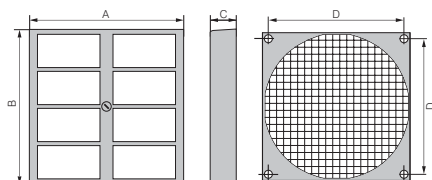
- Fan filter guards for installation on axial fan series for sizes 60 mm, 80 mm, 92 mm, 119 mm, 172 mm. All filter units fit directly onto the existing installation holes on the fans.
- Fan filter guards consist of 3 parts: the outer grille, the inner fastening plate and the replaceable filter mat.
- Grille is molded of polycarbonate (PC) with a matt surface.
- A quick-release on the grille allows for quick and easy filter mat replacement.
- Wire-mesh fastening plate, black powder coating.
- Filter mat replacement can be performed on running fans, welded wire-mesh protection.
- Filter mat made of white, synthetically bonded fibers.

| Protection Filter | Fan size     | A   | B   | C    | D     |
|-------------------|--------------|-----|-----|------|-------|
| FF60              | 60 x 60 mm   | 65  | 65  | 13.5 | 50.0  |
| FF80              | 80 x 80 mm   | 85  | 85  | 14.0 | 71.5  |
| FF92              | 92 x 92 mm   | 125 | 105 | 17.5 | 82.5  |
| FF119             | 119 x 119 mm | 162 | 136 | 18.5 | 104.8 |
| FF172             | ø 172 mm     | 226 | 190 | 19.5 | 162.0 |

Replacement filter mats on request.

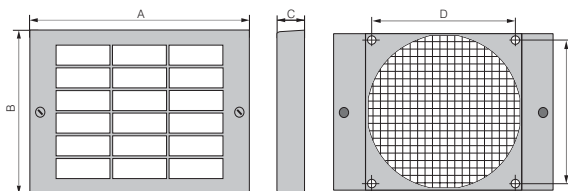
## FF60 / FF80

Fan size: 60 x 60 mm  
80 x 80 mm



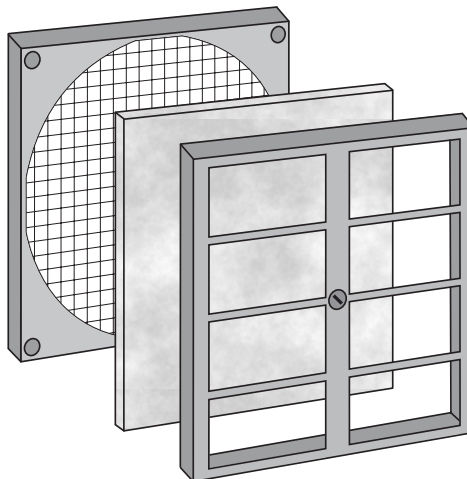
## FF92 / FF 119 / FF 172

Fan size: 92 x 92 mm  
119 x 119 mm  
ø 172 mm



## Filter capacity

A fan filter guard filters out up to 75% of dust particles up to a size of 5-10 microns and withstands temperatures of up to 100°C. Flame retardant in accordance with BS2963. For installed, clean filters, an air flow reduction of 20 – 30% can be assumed.



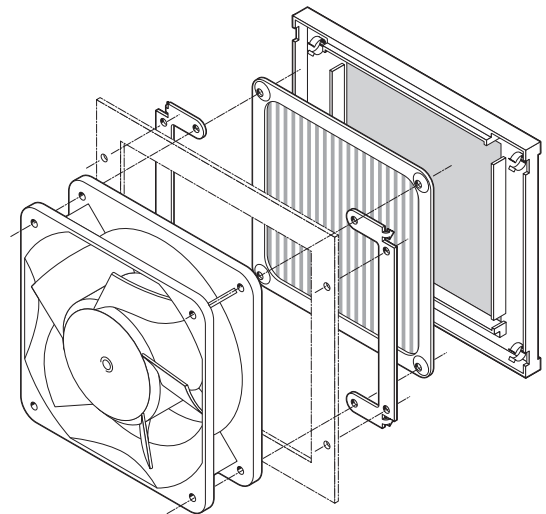


# Accessories

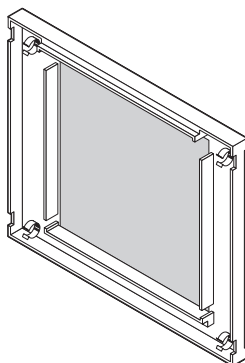


In addition to the accessories and assembly parts listed in this catalogue, ebm-papst also supplies numerous special parts for fan operation. The sales experts at ebm-papst will be happy to assist you in your enquiries concerning fan assembly and application.

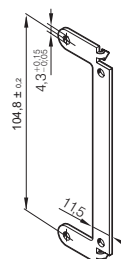
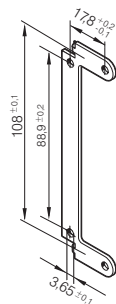
| Fan series DC | Fan series AC |
|---------------|---------------|
| 4400 F        | AC 4300       |
| 4400 FN       | 9900          |
| 4300          | 4000 N        |
| 4300 N        | 4000 Z        |
| 4400          |               |
| 4200          |               |
| 4100 N        |               |



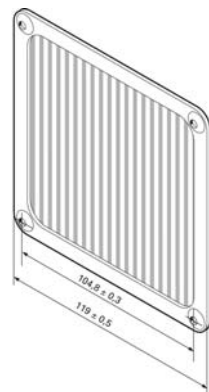
**LZ40N** Screen



**LZ40-1** Bracket



**LZ60** Filter



# Accessories

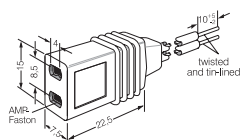
In addition to the accessories and assembly parts listed in this catalogue, ebm-papst also supplies numerous special parts for fans. The sales experts at ebm-papst will be happy to assist you in your enquiries concerning fan assembly and application.



| Fan series | Accessories |
|------------|-------------|
| 8300       | LZ212       |
| 8300       | LZ260       |
| 8400 N     | LZ261       |
| 3300       | LZ212       |
| 3300       | LZ260       |
| 3400 N     | LZ261       |
| 9000       | LZ210       |
| 4000       | LZ210       |

| Fan series  | Accessories |
|-------------|-------------|
| 4300 / 8300 | LZ212       |
| 4300        | LZ260       |
| 5100        | LZ210       |
| 5600        | LZ210       |
| 5200        | LZ210       |
| 5900        | LZ210       |
| 7000        | LZ210       |
| VARIOFAN    | LZ370       |

## LZ120

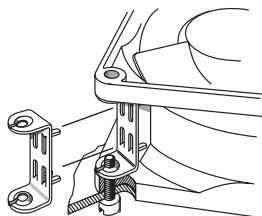


| Type    | Cable length        | Pins   |
|---------|---------------------|--------|
| LZ120   | 610 mm              | 0.5 mm |
| LZ126   | 1000 mm             | 0.5 mm |
| LZ130-1 | 610 mm, UL approved | 0.5 mm |

Additional versions are available on special order

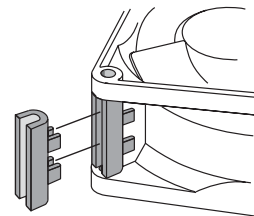
Cable connection with injection molded plug (PVC, black). Strands with core-end sleeves in accordance with DIN 46228. For all fan types with flat plugs of 2.8 / 3.0 x 0.5 mm.

## LZ212



Screw clip of stainless steel. For mounting fans with threaded pin 3.5 DIN 7970.

## LZ260 / LZ261



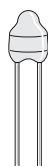
Spacer of fibreglass reinforced plastic. For screw mounting over both fan mounting flanges.

## LZ210



Screw clip of hardened steel. For mounting fans with threaded pin 6-32 UNC and/or 3.5 DIN 7970.

## LZ370

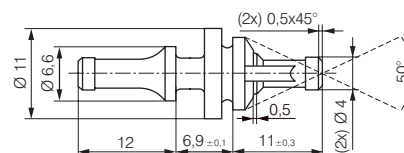


Required performance data:

|           |                                 |
|-----------|---------------------------------|
| $R_{25}$  | = 100 K $\Omega$ $\pm$ 5% @25°C |
| B-value   | = 4190 $\pm$ 2%                 |
| $P_{max}$ | = 0,25 W                        |

Temperature sensor for speed-controlled fan operation. Temperature range 30...50 °C.

## LZ550



Rubber anti vibration mounts for fans with a hole  $\varnothing$  of 4.3  $\pm$ 0.2 mm and flange thickness of 3 - 5.5 mm. For a carrier plate with a hole  $\varnothing$  of 6.5  $\pm$ 0.15 mm and plate thickness of 1 - 2 mm.