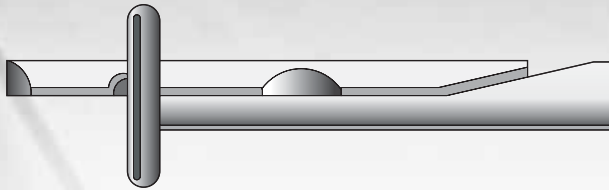




PBZ STEEL WEDGE ANCHOR



PBZ

STEEL WEDGE ANCHOR

Steel Wedge Anchor, clear zinc plating - PBZ

Approvals & test reports



120 minute fire approval, refer to report for details

General Applications

- For light loads.
- For use in concrete.
- For fixing steel sheetwork, duct straps, suspended ceilings, fire collars and timber battens.
- Through fixing

Benefits

- Easy installation
- No special setting tool required
- Safe and controlled expansion
- Small drill diameter required
- Shallow embedment
- Can be installed close to an edge
- Large head provides perfect fixing through large clearance holes

Properties

- Available in two sizes:
6 x 35 for small fixtures
6 x 65 for big fixtures
- F120 Fire approval

Base materials



concrete



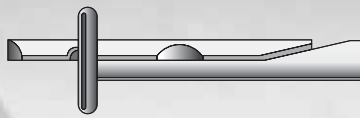
brick

CALL YOUR POWERS REPRESENTATIVES FOR MORE INFORMATION



MECHANICAL ANCHORS

PBZ STEEL WEDGE ANCHOR



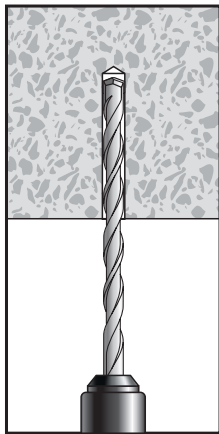
PBZ Steel Wedge Anchor

Part No.	Description	mm	mm	mm	qty	qty
PBZ0635	6mm x 35mm	6	4	35	100	1000
PBZ0665	6mm x 65mm	6	35	75	100	1000

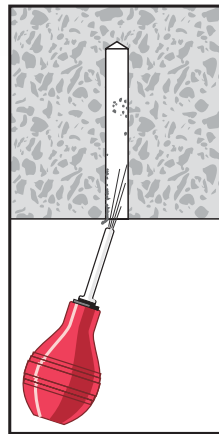
Specifications

Anchor Component	Material
Anchor body	DIN 1.0402 - 1.1186 carbon steel
Zinc plating	5 microns (minimum) clear zinc

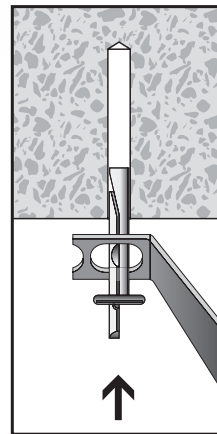
Installation



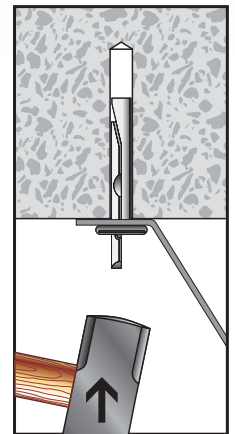
Drill a hole into the base material of correct diameter and at least 10mm deeper than the embedment depth.



Clean hole using a blow pump and brush

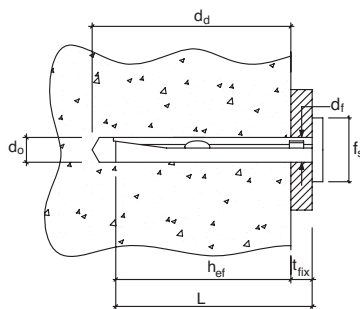


Place PBZ anchor through fixture into the hole ensuring anchor head and fixture are fully seated against the base material surface



Hammer nail until it is completely flush with PBZ anchor head

Sizes



PBZ Powers Steel Wedge Anchor

Type	Part No.	L (mm)	do (mm)	dd (mm)	df (mm)	fs (mm)	hef (mm)	tfix (mm)
PBZ 6 x 35	PBZ0635	35	6	45	7	17	30	5
PBZ 6 x 65	PBZ0665	65	6	75	7	17	30	35

Allowable working loads for PBZ Anchor in 20MPa concrete

Type	do (mm)	hef (mm)	tfix (mm)	Tension kN	Shear kN
6 mm	6	30	45	0.55	0.80

The values in this table are determined by using the working stress design method Incorporated safety factor tension $F_{sc} = 3$ (concrete) and shear $F_{ss} = 2.5$ (steel)
If there is tension loading as well as shear loading on the anchor, the loading performance should be checked by using the combined loading formula:

$$\left(\frac{T_S}{T_A}\right)^{5/3} + \left(\frac{S_S}{S_A}\right)^{5/3} \leq 1$$

T_S = Applied Tension Load
 T_A = Allowable Tension Load
 S_S = Applied Shear Load
 S_A = Allowable Shear Load

CALL OR EMAIL NOW,
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