Guidelines for **powerline** nail in anchors

Product summary

powerline nail in anchors are a lightweight efficient through fixing suitable for use in concrete , solid brickwork , and stone.

They are ideal for fixing straps, brackets, timber battens, partition tracks, signs and vandal resistant applications.

Alloy nail in anchors are *not* recommended for overhead use where regulations dictate that all steel anchors should be used.

Recommended loads vary with substrate type, quality and consistency.

Hole diameter, hole cleaning and embedment is also critical. The hole depth should be the embedment + 10mm

Technical recommendations

Diameter	Length	Max fixture thickness	Min hole Depth (mm)	Drill size (mm)	Recommended loads (Kn) C20~37 concrete Solid brick			(n) brick
	(1111)	(mm)	(embedment)		Tensile	Shear	Tensile	Shear
6mm	30	5	35	6	0.8	1.2	0.65	0.95
6mm	40	15	35	6	1.1	1.4	0.9	1.1
6mm	50	25	40	6	1.1	1.4	0.9	1.1

All steel nail in anchors

All steel ceiling anchors

Diameter	Length	Max fixture thickness	Min hole Depth (mm)	Drill size (mm)	Recommended loads (Kn) C20~37 concrete Solid brick			
	(1111)	(mm)	(embedment)		Tensile	Shear	Tensile	Shear
6mm	40	5	45	6	1.2	1.4	0.9	1.1
6mm	65	30	45	6	1.2	1.4	0.9	1.1

Installation advice

- Eye protection and gloves should be worn
- Drill hole to the correct diameter and depth
- □ Clean out the hole
- Position the anchor in the hole through the part to be fixed so that the washer touches the fixture
- Carefully tap the nail of the anchor with a hammer until it is flush within the washer of the anchor

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