



INFORMATION

A PA6 Nylon Plug suitable for use in a range of base materials.

Longer lengths are available for deeper embedment

The anti-rotation lugs prevent the plug spinning in the drilled hole

The castellated split guides the screw keeping it inside the plug

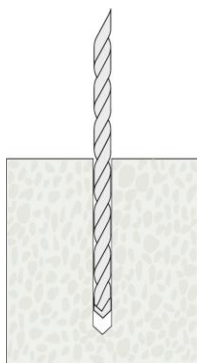
BASE MATERIAL

- Solid Concrete
- Dense Concrete Blocks
- Solid Bricks
- Stone
- Aerated Concrete Blocks

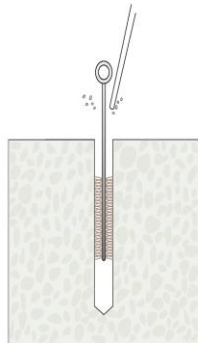
FEATURES

- Rimless
- Screw guidance
- 2 Way expansion
- Suitable for wood and chipboard screws

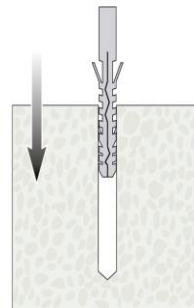
Part Number	Drill Hole Diameter mm	Drill Hole Depth mm	Plug Length mm	Screw Gauge	Screw Diameter mm	Spacing mm	Edge Distance mm	Box Quantity
NP06030	6	35	30	6-10	3.5-5.0	90	45	100
NP06055	6	60	55	8-12	3.5-5.0	165	85	100
NP08040	8	45	40	10-14	4.5-6.0	120	60	100
NP08060	8	70	60	10-14	4.5-6.0	180	90	100
NP10080	10	90	80	14-18	6.0-8.0	240	120	100
NP12055	12	60	55	18-24	8.0-10.0	165	85	100



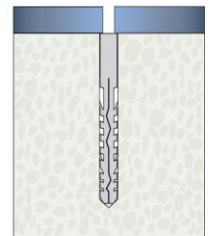
Drill correct diameter hole to correct depth



Clean hole by brushing and blowing



Insert nylon plug



Attach fixture and secure it using a suitable diameter screw

Note:-

Use rotary only action when drilling Brickwork and Aerated Concrete Blocks



Characteristic Resistance

Part Number	Tensile				Shear			
	Concrete ≥ C16/20	Solid Brick 20 N/mm ²	Concrete Blocks 7.0 N/mm ²	AAC Block 3.5 N/mm ²	Concrete ≥ C16/20	Solid Brick 20 N/mm ²	Concrete Blocks 7.5 N/mm ²	AAC Block 3.5 N/mm ²
NP06030	0.87	0.75	0.58	0.46	1.75	1.75	1.75	0.46
NP06055	1.09	0.93	0.72	0.94	1.75	1.75	1.75	0.94
NP08040	1.89	1.56	1.20	0.73	2.71	2.71	2.71	0.73
NP08060	2.10	1.79	1.39	1.00	2.71	2.71	2.71	1.00
NP10080	5.13	4.40	3.39	1.71	3.48	3.48	3.48	1.71
NP12055	6.00	5.09	3.97	1.77	5.50	5.50	5.50	1.77

Design Resistance

Part Number	Tensile				Shear			
	Concrete ≥ C16/20	Solid Brick 20 N/mm ²	Concrete Blocks 7.0 N/mm ²	AAC Block 3.5 N/mm ²	Concrete ≥ C16/20	Solid Brick 20 N/mm ²	Concrete Blocks 7.5 N/mm ²	AAC Block 3.5 N/mm ²
NP06030	0.35	0.30	0.23	0.17	1.40	1.40	1.40	0.17
NP06055	0.44	0.37	0.29	0.34	1.40	1.40	1.40	0.34
NP08040	0.76	0.65	0.50	0.26	2.16	2.16	2.16	0.26
NP08060	0.84	0.72	0.56	0.36	2.16	2.16	2.16	0.36
NP10080	2.05	1.76	1.36	0.61	2.78	2.78	2.78	0.61
NP12055	2.40	1.71	1.59	0.63	4.40	4.40	4.40	0.63

Recommended Resistance

Part Number	Tensile				Shear			
	Concrete ≥ C16/20	Solid Brick 20 N/mm ²	Concrete Blocks 7.0 N/mm ²	AAC Block 3.5 N/mm ²	Concrete ≥ C16/20	Solid Brick 20 N/mm ²	Concrete Blocks 7.5 N/mm ²	AAC Block 3.5 N/mm ²
NP06030	0.25	0.21	0.17	0.12	1.00	1.00	1.00	0.12
NP06055	0.31	0.22	0.21	0.24	1.00	1.00	1.00	0.24
NP08040	0.54	0.38	0.36	0.19	1.54	1.54	1.54	0.19
NP08060	0.60	0.42	0.40	0.26	1.54	1.54	1.54	0.26
NP10080	1.47	1.05	0.97	0.44	1.98	1.98	1.98	0.44
NP12055	1.72	1.22	1.14	0.45	3.14	3.14	3.14	0.45

Loads were achieved using the largest diameter screw for each plug type