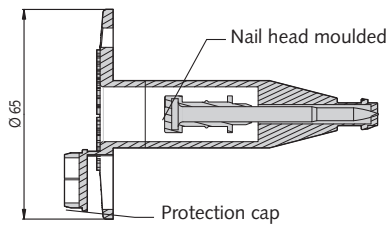
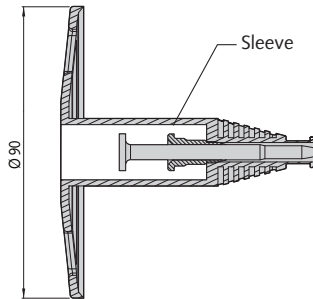


→ CI6



→ CI9



Description

- Polyethylene High density
- **CI6 :**
 - The nail head (for CI6) is moulded in thermoplastic-elastomer to improve the corrosion resistance
 - Protection cap reduces thermic transmission
- **CI9 :**
 - The nail is enclosed in the sleeve to improve guidance

Material properties

Plastic sleeve head

- CI6 : Ø65 head – Natural colour
- CI9 : Ø90 head - Black anti-UV

Nail shank

- Carbon steel
- Electrogalvanised, min zinc coating 7 µm

Tools

P200 & P370 using adaptor

Accessories

Using CI adaptor kit for P370 tool

	P370
Adaptor kit for CI 50 to CI 120	011030

Power setting

Choose the cartridge colour on site

Nail length selection

Designation	Type of insulation	Insulation thickness	Eurocode
CI 6-40	Rigid insulation	40	038500
CI 6-50		50	038520
CI 6-60		60	038530
CI 6-70		70	038540
CI 6-80		80	038550
CI 6-90		90	038580
CI 6-100		100	038560
CI 6-120		120	038570
CI 9-60	Semi-rigid insulation	60	038720
CI 9-75		75	038730
CI 9-100		100	038750

Distance rules

Between 2 fixings : minimum distance of 90 mm
 Distance from edge : minimum distance of 100 mm

Application limit

The mean compressive strength of the concrete must be between C20/25 and C40/50.

Anchor depth



Between 25 and 31 mm to ensure recommended loads are achieved.

Recommended loads

→ TENSILE

The recommended loads (kN) are calculated from the mean ultimate load and a safety factor higher than 4.

Insulation thickness (mm)	40	45	50	60	70	75	80	100	120
Recommended loads	0.30								

→ SHEAR

The recommended loads (kN) are calculated from the mean load with a displacement equal to 10 mm and a safety factor higher than 3.

Insulation thickness (mm)	40	45	50	60	70	75	80	100	120
Polystyrene density = 15 kg/m ³	0.13								
Polystyrene density = 30 kg/m ³	0.20								

→ PULL-THROUGH

The recommended pull-through loads (kN) are calculated from the failure load and a safety factor equal to 3.

Insulation thickness (mm)	40	45	50	60	70	75	80	100	120
Rock wool density = 120 kg/m ³	0.12				0.16				
Polystyrene density = 15 kg/m ³	0.20								
Polystyrene density = 30 kg/m ³	0.30								

Control fixing

Ref		Insulation thickness (mm)								
		40	45	50	60	70	75	80	100	120
CI-6	Xmin	0	4	9	19	29	34	39	59	79
	Xmax	6	10	15	25	35	40	45	65	85
CI-9	Xmin	2	6	11	21	31	36	41	61	81
	Xmax	8	12	17	27	37	42	47	67	87

