

PIN LENGTH SELECTION

Designation	Type of insulation	Insulation thickness	Code
CI 6-50	Rigid insulation	50	038520
CI 6-70		70	038540
CI 6-80		80	038550
CI 6-100		100	038560
CI 6-120		120	038570

APPLICATION

- Rigid insulation fixing with premounted pin.

DESCRIPTION

- Polyethylen High density.
- CI-6:
 - The pin head (for CI-6) is mould in thermoplastic-elastomer to improve the corrosion resistance
 - A protection cap to allow a good waterproofness and to reduce thermic transmission

PROPERTIES MATERIAL

Plastic sleeve head

- CI6: Ø65 head – Natural color

Pin shank

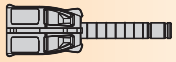
- Carbon steel
- Core hardness: 50 - 55 HRC
- Electrogalvanizing, min zinc coating 7 µm

TOOL

P370 using adaptor

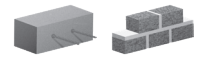
ACCESSORIES

Using CI adaptor kit for P370 tool

	P370
Adaptor kit for CI 50 to CI 120	011030

POWER SETTING

Choose the cartridge color on the job site



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



It must be between 25 and 31 mm to ensure the recommended load given above.

RECOMMENDED LOAD

→ TENSILE

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

Insulation thickness (mm)	50	70	80	100	120
Recommended loads	0.30				

→ SHEAR

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

Insulation thickness (mm)	50	70	80	100	120
Polystyren density =15 kg/m ³	0.13				
Polystyren density =30 kg/m ³	0.20				

→ PULL-THROUGH

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

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

CONTROL FIXING

Ref		Insulation thickness (mm)				
		50	70	80	100	120
CI-6	Xmini	9	29	39	59	79
	Xmaxi	15	35	45	65	85

