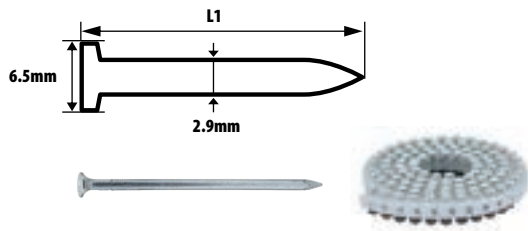


Production data

Dimensions



Item name	L1
CCP32V9-H	32.0
CCP38V9-H	38.0
CCP45V9-H	45.0
CCP50V9-H	50.0
CCP60V9-H	60.0
CCP65V9-H	65.0

General Information

Material : Carbon Steel
 Hardness : > HRC56
 Zinc coating : > 5µm

Tool

PowerLite
HN120



Applications

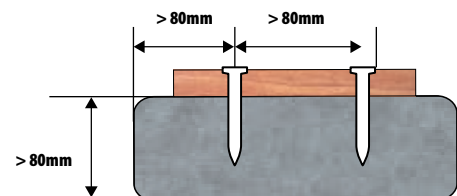
Wood to Concrete



Wood

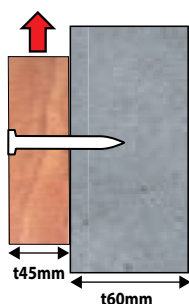
Application requirements

Thickness of Concrete: > 80mm
 Edge distance: > 80mm
 Spacing: > 80mm



Test Data

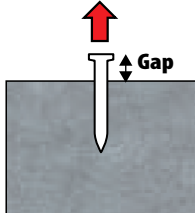
Shear Test



Maximum Loads

CCP65V9-H		
	Load (kN)	
1	3.16	Failure of the wood
2	5.24	
3	3.42	
4	3.68	
5	3.32	
6	4.66	
7	3.33	
8	3.64	
9	3.48	
10	3.72	
Ave.	3.76	

Pull Out Test



Maximum Loads

CCP65V9-H			
	MPa	Gap(mm)	Load(kN)
1	2.0	43.8	7.66
2	2.4	41.5	7.09
3	2.4	39.8	8.22
4	2.4	41.8	4.01
5	2.4	39.2	5.41
6	2.4	40.1	0.86
7	2.4	40.0	6.90
Ave.		41.2	5.10

Pull out

Pin Selector

Top Member	Item name
Plywood < 12mm	CCP32V9-H
Plywood < 18mm	CCP32V9-H CCP38V9-H
Wood(Board) < 25mm	CCP45V9-H
Wood(Board) < 38mm	CCP50V9-H
Wood(Board) < 50mm	CCP65V9-H