plugclips

Description	EAN code	Article number
MEPAC plugclip nagel 8/10mm w	8714017214030	421403
MEPAC plugclip nagel 11/15mm w	8714017214047	421404
MEPAC plugclip nagel 16/19mm tr	8714017214054	421405
MEPAC plugclip nagel 19/22mm tr	8714017214061	421406
MEPAC plugclip nagel 19/22mm cr	8714177024968	421426
MEPAC plugclip nagel 8/10mm gr	8714017214139	421413
MEPAC plugclip nagel 11/15mm gr	8714017214146	421414
MEPAC plugclip nagel 16/19mm gr	8714017214153	421415
MEPAC plugclip nagel 19/22mm gr	8714017214160	421416
MEPAC plugclip nagel duo 16/19mm tr	8714017217055	421705
MEPAC plugclip nagel duo 16/19mm gr	8714017217154	421715
MEPAC plugclip schroef 8/10mm w	8714017214535	421453
MEPAC plugclip schroef 11/15mm w	8714017214542	421454
MEPAC plugclip schroef 16/19mm tr	8714017214559	421455
MEPAC plugclip schroef 8/10mm gr	8714017214634	421463
MEPAC plugclip schroef 11/15mm gr	8714017214641	421464
MEPAC plugclip schroef 16/19mm gr	8714017214658	421465
MEPAC plugclip schroef duo 16/19 tr	8714017217550	421755
MEPAC plugclip schroef duo 16/19 gr	8714017217659	421765

Material specifications:
The plug clips are UV-resistant and therefore also suitable for outdoor use. When working with hardened steel products, wearing safety glasses is compulsory. The plugclips have CE marking. Mepac plug clips are halogen-free.

Clip:
Plastic: PE

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Properties	Test methods	Designation	Values
Density, standar at 23ºC	ISO 1183 A ASTM D 792	Kg/m^3	957
Melting value when loaded 2.16 Kg	DIN 53735 ISO 1133 ASTM D 1238	g/10 min	4,8

The plug clips comply with the RoHS directive (EU directive 2002/95/EF) and the REACH (EC1907/2006) directive. The toxic heavy metals lead, cadmium and mercury do not occur, nor does diaryl pigment. No pigment is added to the transparent clip. The white, grey and cream colour is obtained by adding pigment.

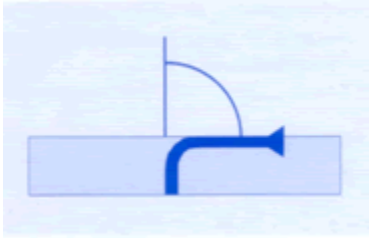
Nails:
The steel nails are mechanically galvanised 10-12 microns and have a hardness of 52-54 Rockwell.

Size	Dimensions (mm)
PCN 8/10	25 x 2,0
PCN 11/15	35 x 2,0
PCN 16/19	40 x 2,5
PCN 19/22	40 x 2,5
DPCN 16/19	40 x 2,5

Screws:
The screws are electrogalvanised 2-3 microns.

Size	Dimensions (mm)
PCS 8/10	37 x 3,0
PCS 11/15	37 x 3,0
PCS 16/19	42 x 3,0
DPCS 16/19	42 x 3,0

Technical information steel nails.
Steel nails are manufactured from specially hardened steel, creating a maximum hardness of 52 - 54 HRc. Due to this high hardness steel nails are difficult to bend. In addition, due to the specially developed in-house method of of hardening, the nails have a BEND/ BREAKING angle of 45° - 90°. This eliminates dangerous "splashing".



Bend/breaking angle of 45° - 90°, depending on the angle on which it will be bent.

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The steel nails also have a completely smooth shaft and a point with 4 cutting edges: so-called diamond point, the ideal point for hand driven nails.

Mechanical galvanising
Mechanical galvanising of steel nails aims to achieve better corrosion resistance, with the major advantage over electrolytic advantage over electro galvanising is the absence of the dangerous hydrogen embrittlement.
The hardened steel nails are therefore mechanically galvanised with a layer thickness of at least 10 microns of zinc and are treated afterwards with bright chromate (blue passivation), in order to prevent so-called white corrosion on nails.

General causes of corrosion:
- moisture and ventilation
- potential difference (electrical voltage difference between two metals)
- damage
- time

Hydrogen embrittlement
Hydrogen embrittlement is the development of sudden cracks or fractures in hardened or refined steel under the influence of hydrogen absorption, as soon as the product comes under (bending) stress. Characteristically, the fracture or crack formation occurs spontaneously, without any prior indication. When broken, significant forces are usually released, noticeable by a distinct bang. Hydrogen embrittlement can occur in electrolytically galvanised nails, among others.