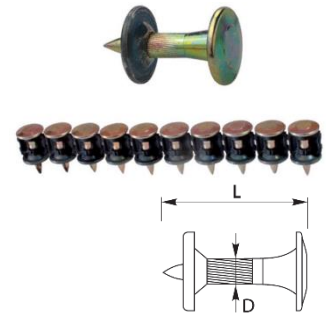


HSBR 14

NAILS DEDICATED FOR SHOOTING INTO STEEL

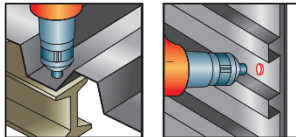


PRODUCT DESCRIPTION

Powder actuated nails made of hardened carbon steel, electroplated, with a rolled shank, flat head and a wide steel washer.

APPLICATION

Designed for fixing corrugated structural steel sheets to steel structures using SPIT P230, P560, P525L, P230L, P560L powder actuated tools.



LENGTH OF FASTENERS

Product designation	Type	Dimensions D x L [mm]	Min. substrate thickness [mm]
			DC
PSP011390	in bulk	4,5 x 25	6,00
PSP53953	in stripes	4,5 x 25	6,00

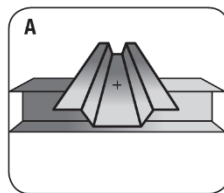
EUROPEAN TECHNICAL APPROVAL ETA-08/0040

CHARACTERISTIC LOAD BEARING CAPACITY OF PULL-OUT AND SHEAR RESISTANCE

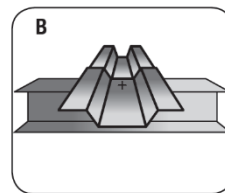
Thickness of mounted steel sheets [mm]	Characteristic shear resistance V_{Rk} [kN]	Characteristic pull-out resistance N_{Rk} [kN]	Acceptable connection type
0,63	4,20	5,30	A, B, C, D
0,75	5,80	6,60	A, B, C, D
0,88	7,50	7,70	A, B, C, D
1,00	8,60	8,20	A, B, C, D
1,13	9,10	9,10	A, C
1,25	9,50	9,50	A, C
1,50	10,00	10,00	A
1,75	10,00	10,10	A
2,00	10,00	10,30	A
2,50	10,00	10,40	A
3,00	10,00	10,50	A

To determine the structural carrying capacity of the characteristic safety factor $\gamma_m = 1,25$.

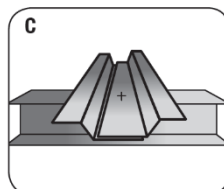
TYPY MOCOWAŃ



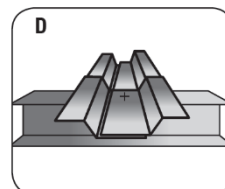
1 steel sheet mounting



2 steel sheets mounting

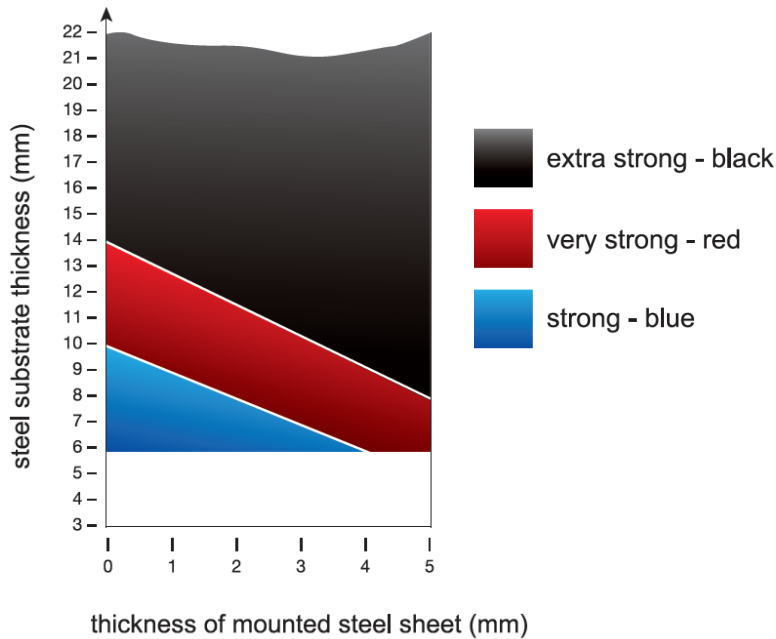


2 steel sheets mounting

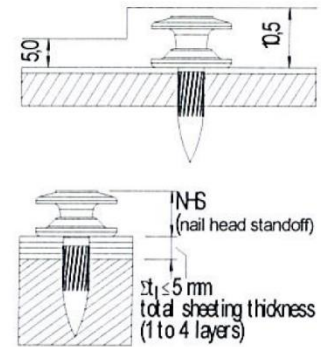


4 steel sheets mounting

CHOICE OF POWDER AMMUNITION



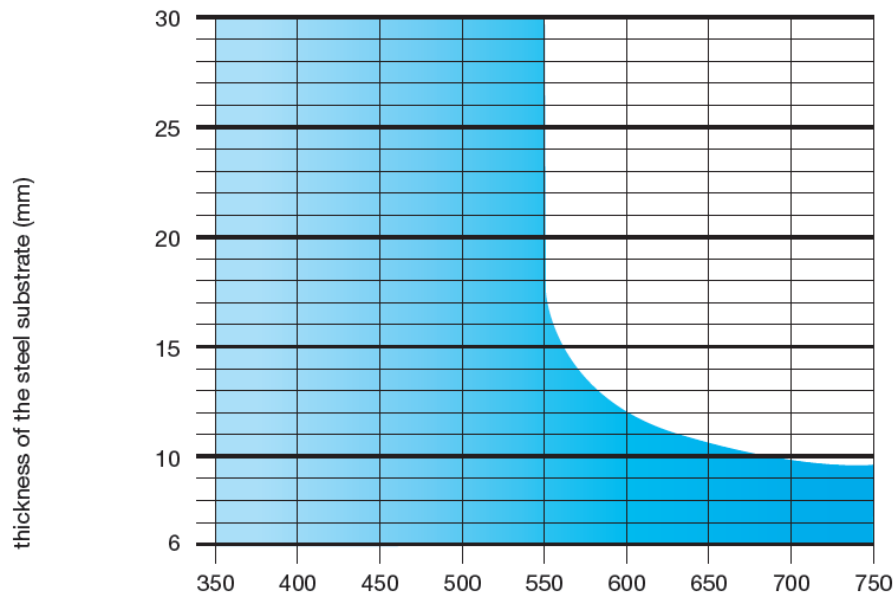
Installation control:



$$5 \text{ mm} \leq \text{NHS} \leq 11.5 \text{ mm} - \Sigma t_i$$

HSBR14

STRENGTH TO STRETCH THE SUBSTRATE MATERIAL



(1)	E24	E28	E360	A60
(2)	ST37	ST44	ST52	ST60
(3)	S235	S275	S355	E335

tensile strength of the base material (N/mm²)

OTHER FEATURES

BASE MATERIAL:	STEEL PROFILE
MINIMUM THICKNESS OF STEEL BASE:	6,00 mm
THICKNESS OF ZINC COATING:	10 µm
CORROSIVE ENVIRONMENT:	C2
POSSIBILITY OF PAINTING:	NO



ETA



DWU/DoP