

SPIT wiring accessories

RECOMMENDED LOAD AND DISPLACEMENT

Accessories	Failure load (kN)	Displacement at the failure load (mm)	Recommended load (kN) for a displacement equal to 1 mm for accessories $N_{rec} (d = 1 \text{ mm})$
Metal P-CLIP	0.30	13 mm	0.07
TIE-CLIP	0.30	4 mm	0.10
P-CLIP simple	0.22	10 mm	0.03
P-CLIP double	0.10	9 mm	0.06
CLIPLEC	0.60	22 mm	0.20
E-CLIP	0.04	1 mm	0.04
Single cable bows	0.10	16 mm	0.025
Double cable bows	0.16	16 mm	0.04
Drywall track	1.0	-	0.20
Wood sole plate with thickness 27 mm	1.2	-	0.16

Check that the embedment depth is adapted to the recommended load requested for the accessories.

FIRE RESISTANCE FOR METAL WIRING ACCESSORIES WITH HC6 NAILS

Test report nb. GS 6.1/22-002-1

Test report nb. CSTB 05-158/A

PULSA systems			Characteristic resistance under fire exposure				
Designation	Code	Nails	$N_{Rk,fi}$ (kN) 30 min	$N_{Rk,fi}$ (kN) 60 min	$N_{Rk,fi}$ (kN) 90 min	$N_{Rk,fi}$ (kN) 120 min	
Metal P-CLIP	P-CLIP D16 P-CLIP D20 P-CLIP D22 P-CLIP D24 P-CLIP D25	016988 016990 016991 016992 016993	HC6-17	0.020	0.017	0.013	0.012
Perforated STRIP	12 x 0,8 17 x 0,8	056562 056561	HC6-17	0.073	0.059	0.045	0.038
Metal cable tie	CLIP MCC-O	155721	HC6-17	0.102	0.087	0.073	0.065
Threaded rod hanger	TRH-CLIP	011430 011431	HC6-17	0.250	0.130	0.020	-

$N_{Rd,fi} = N_{Rk,fi} / Y_{M,fi}$ usually the safety factor under fire exposure $Y_{M,fi} = 1$.

FIRE RESISTANCE FOR DRYWALL TRACK WITH HC6 NAILS

Test report nb. GS 6.1/22-002-1

Standard drywall track	Nails	Characteristic resistance under fire exposure			
		$N_{Rk,fi}$ (kN) 30 min	$N_{Rk,fi}$ (kN) 60 min	$N_{Rk,fi}$ (kN) 90 min	$N_{Rk,fi}$ (kN) 120 min
Thickness 0,6 mm with multiple fixings configuration 3 nails per meter length	HC6-15 HC6-17	0.268	0.199	0.129	0.095