



Innovative fastening for wall connection profiles - simple and quick



BEST NYLON QUALITY

PATENT PENDING

UTILITY MODEL

Universal Spreading Nail *USN*

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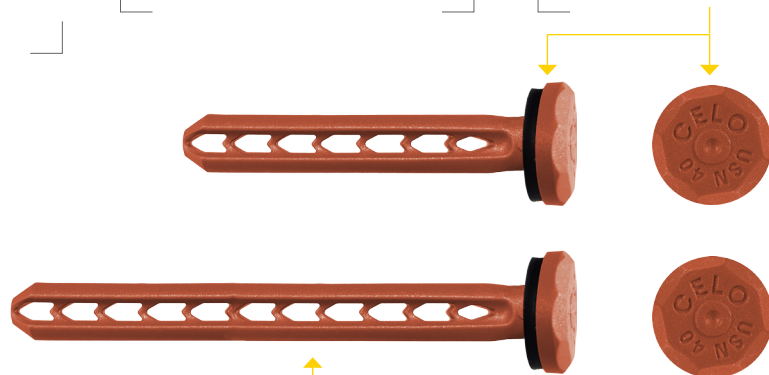


Available in 2 lengths (40 or 60) for clamping thicknesses from 5-25 mm or install deeper for higher load values, especially in perforated bricks

Spreading nail made out of **glass-fibre reinforced nylon** „Made in Germany“; ageing, weather, and UV- resistant

Visually attractive head with high quality **EPDM sealing ring** for optimal sealing and adaption to the ground

Suitable in almost all common building materials with good pull-out values; suitable for **concrete, solid bricks and perforated bricks**



Electrical contact protection through the use of plastics

The USN is available in **different colours**

The **patented elastic V-shaped spring elements** ensure a high spreading force

Easy disassembly by **knocking off** or **drilling out** the head

Innovative **direct fastening** of wall connection profiles, metal sheets, base protection profiles, cornice covers, motion detectors, small lamps, signs, etc. **without thermal bridge**

Profile – USN

Assortment	USN 40 and 60				
Approvals and certificates					
Typical applications	Suitable for direct fastening in almost all building materials: <ul style="list-style-type: none"> ▶ Connection profiles ▶ Base protection profiles ▶ Cornice covers ▶ Signs, metal sheets 		<ul style="list-style-type: none"> ▶ Lamps ▶ Motion detectors ▶ Other lightweight fixings 		
Mounting and dimension	Mounting:		Disassembly: The USN can be removed in two ways: <ol style="list-style-type: none"> 1. Knock off the head using a chisel or a screwdriver. 2. Drill out the head with a drill bit that it falls apart (The USN has a small notch on the head which helps to guide a drill bit). 		

Profile – USN with EDPM-sealing ring, head Ø = 15,0 mm

Type	RAL-Code
USN Signal white	RAL 9003
USN Telegrey	RAL 7045
USN Anthracite grey	RAL 7016
USN Traffic black	RAL 9017
USN Copper brown	RAL 8004
USN Sepia brown	RAL 8014
USN Chocolate brown	RAL 8017

Art.-Nr.	USN 40		Packing			
	$d_0 - L$ [mm]	$h_1 \geq$ [mm]	$h_{nom} \geq$ [mm]	$t_{fix} \leq$ [mm]		
9140USN	6-40	40	35	5	100	1.800
9GR40USN	6-40	40	35	5	100	1.800
9AN40USN	6-40	40	35	5	100	1.800
9440USN	6-40	40	35	5	100	1.800
9CO40USN	6-40	40	35	5	100	1.800
9M40USN	6-40	40	35	5	100	1.800
9MO40USN	6-40	40	35	5	100	1.800

Art.-Nr.	USN 60		Packing			
	$d_0 - L$ [mm]	$h_1 \geq$ [mm]	$h_{nom} \geq$ [mm]	$t_{fix} \leq$ [mm]		
9160USN	6-60	60	35	25	75	1.350
9GR60USN	6-60	60	35	25	75	1.350
9AN60USN	6-60	60	35	25	75	1.350
9460USN	6-60	60	35	25	75	1.350
9CO60USN	6-60	60	35	25	75	1.350
9M60USN	6-60	60	35	25	75	1.350
9MO60USN	6-60	60	35	25	75	1.350

Loads and dimensions F_{rec}

Type	h_{nom} [mm]	Concrete		Hollow brick HLZ 12		Hollow brick HLZ 6 (Poroton T10)		Hollow brick HLZ 6 (Poroton T8)		Aerated concrete AAC6	
		F_{rec} [kN]	F_{eff} [kN]	F_{rec} [kN]	F_{eff} [kN]	F_{rec} [kN]	F_{eff} [kN]	F_{rec} [kN]	F_{eff} [kN]	F_{rec} [kN]	F_{eff} [kN]
USN 40	35	0,10	0,70	0,08	0,56	0,05	0,35	0,06	0,42	0,04	0,30
USN 60	55	0,13	0,91	0,09	0,61	0,06	0,43	0,06	0,45	0,04	0,31

F_{rec} : Recommended loads incl. safety factor of 7

F_{eff} : Effective pull out loads excl. safety factor

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