EPN / EPS

Denomination: **PLUGS FOR FIXING FRAMES**	Codes: **EPN, EPS**		
Reference: **FT EPN-EPS-en**	Date: **19/09/18**	Revisión: **2**	Página: **1 de 6**

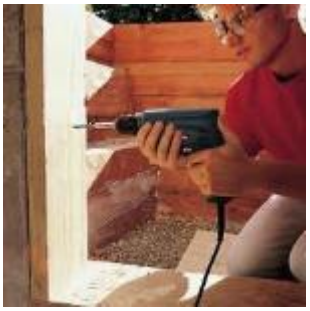
EPN

EPS

CHARACTERISTICS

- Nylon and metal plug to fix window and door frames and structures, etc.
- Suitable for both solid base material (concrete, stone, solid brick, solid block, etc) as for hollow base material (hollow brick, perforated brick, etc).
- Use: for fixing window frames, door frames, squared timbers.
- Antispin lateral wings: to avoid the anchor from spinning while expanding
- White plug cap to protect and hide the screw.

APPLICATIONS



Fixing frames, pre-frames, doors, windows, etc.

BASE MATERIAL

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1. RANGE

ITEM	DENOMINATION	PHOTO	MATERIAL	COATING
1	**EPN**		Screw: SAE J403 1022 Shield: Polyamide	B YELLOW --
2	**EPS**		Screw: Metal Shield: Metal	B YELLOW Z ZINC

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1. EPN

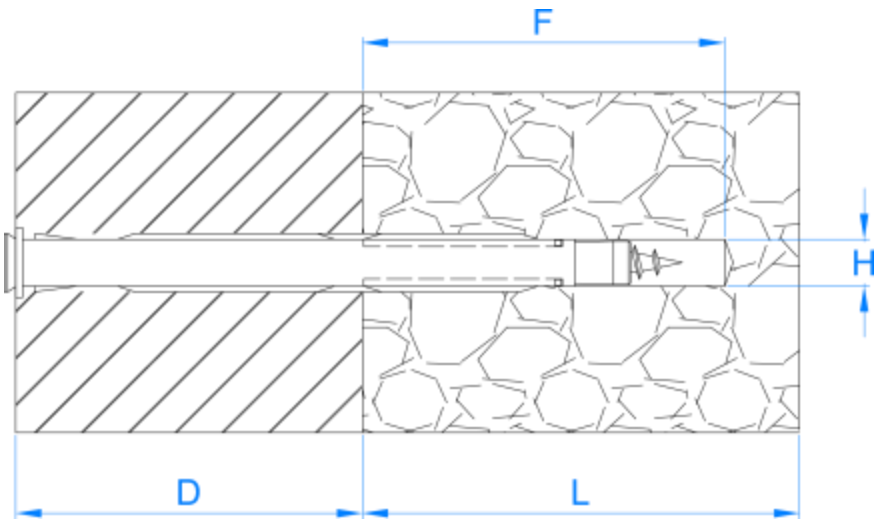
Nylon anchor for fixing doors and windows

Properties

A	Ny NYLON	B YELLOW
Screw: Steel	Shield: Nylon polyamide	Yellow zinc plated coating

Sizes

CODE	Ød Body [mm]	l Length [mm]	ØH Drill	F Minimum drill depth ≥ [mm]	L Effective anchorage depth ≥ [mm]	ØD Maximum thickness to fix ≥ [mm]	Torque [N·mm]
EPN08080	8	80	8	60	40	30	4
EPN08100		100				50	
EPN08120		120				70	
EPN08140		140				90	
EPN10100	10	100	10		50	40	
EPN10120		120				60	
EPN10140		140				80	
EPN10165		165				105	



RECOMMENDED RESISTANCE FOR USE IN CONCRETE (N_{recom})

CODE	Tensile strength [kg]	Shear strength [kg]
EPN08080	56	16
EPN08100		
EPN08120		
EPN08140		
EPN10100	96	24
EPN10120		
EPN10140		
EPN10165		

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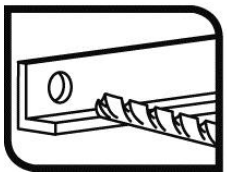
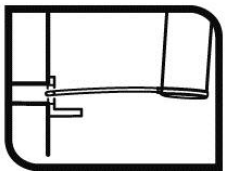
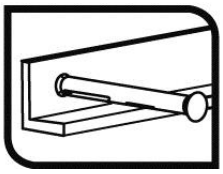
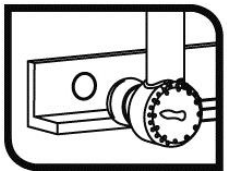
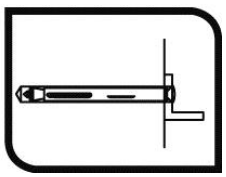
INSTALLATION PROCEDURE	
	Drill to the diameter and depth values indicated on the datachart. Do not drill in hammer mode on hollow base materials, to avoid inner damages to the base material. Reduce the speed when the drillbit is about to get to the hollow core of the base material.
	Blow the hole clean of powder and drilling leftovers.
	Put the material to be fixed in place. Insert the screw-plug set into the hole through the material to be fixed up to the plug's collar.
 	Screw the bolt until the plug has expanded. Be careful not to exceed the torque, to avoid damages to the plug or the base material.

2. EPS

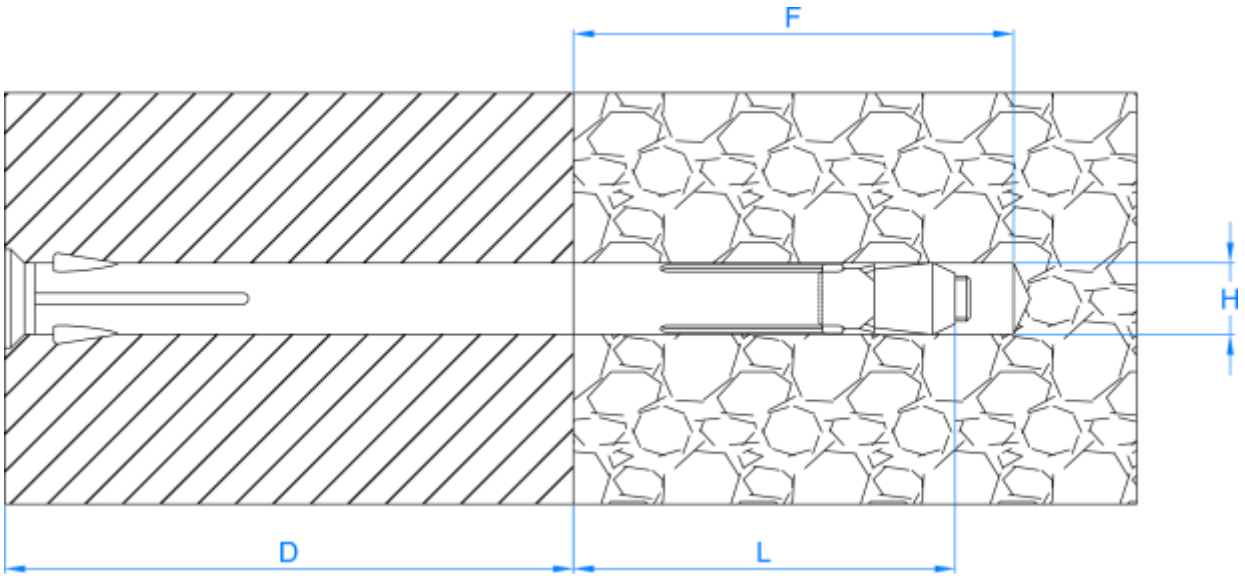
Metallic anchor for fixing doors and windows

Properties

Fe	B YELLOW	Fe	Z ZINC
Screw: Metal	Yellow zinc plated coating	Screw: Metal	Zinc plated coating

Sizes

CODE	Ød Body [mm]	l Length [mm]	ØH Drill	F Minimum drill depth ≥ [mm]	L Effective anchorage depth ≥ [mm]	ØD Maximum thickness to fix ≥ [mm]	Torque [N·mm]
EPS6072	9,6 ÷ 10	85	10	60	40	40	4
EPS6092		105				60	
EPS6112		125				80	
EPS6132		145				100	
EPS6152		165				120	
EPS6182		195				150	



MAXIMUM LOAD RECOMMENDED FOR USE IN CONCRETE (N_{recom})

CODE	Tension [kg]	Shear [kg]
EPS6072	170	24
EPS6092		
EPS6112		
EPS6132		
EPS6152		
EPS6182		

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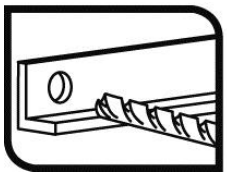
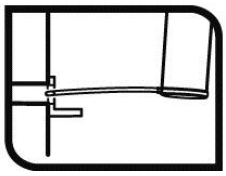
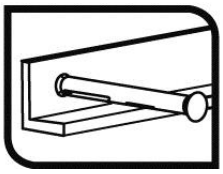
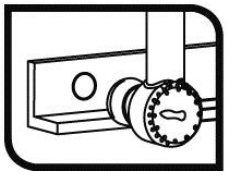
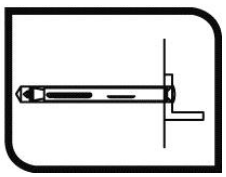
INSTALLATION PROCEDURE	
	Drill to the diameter and depth values indicated on the datachart. Do not drill in hammer mode on hollow base materials, to avoid inner damages to the base material. Reduce the speed when the drillbit is about to get to the hollow core of the base material.
	Blow the hole clean of powder and drilling leftovers.
	Put the material to be fixed in place. Insert the screw-plug set into the hole through the material to be fixed up to the plug's collar.
 	Screw the bolt until the plug has expanded. Be careful not to exceed the torque, to avoid damages to the plug or the base material.