Area of Application
ESSVE Spix can for example be used for the installation of steel joists/drywall studs, purlins, etc against concrete. An excellent supplement to firing nails.

Description
Spix consists of a nail and an expander sleeve with a large collar. The sleeve is manufactured of zinc alloy, which gives good corrosion resistance.
The nail consists of hardened carbon steel with a bright zinc plated surface treatment.

Installation
Drill a hole, push Spix into the hole and hit the nail with a hammer. This gives easy and quick installation.

Installation (drill-through installation)

1. Place the part in position. Drill through the joists straight into the underlying concrete. Drill dimensions according to the table.

2. Push in the Spix, so-called drill-through installation.

3. Knock in the nail so that the sleeve expands into the substrate.

Specification

	Nails	Sleeve
Material	Steel	Zinc alloy
Surface finish	Bright zinc plated	-

Practical load capacity
The following Practical load capacity values should be used as guideline values. We recommend pull-out testing for large objects for exact load values. Pull-out testing is a part of ESSVE's Technical Service.

Designation Dim mm	Tensile load Concrete C28/35 kN/kg	Shear load Concrete C28/35 kN/kg
5.0×22	0.50/50	0.30/30
6.0×40	0.98/98	0.50/50
Safety factor: tensile load = 3.0		

Metal nail plug Spix
ESSBOX

FZB/ZINK

Item no.	Dimensions mm	Max. wall thickness mm	Min. install. depth mm	Drill dim mm	ESSBOX size	Qty/ pack.	Pack./ large pack.
105251	5.0×22	6	16	5.0	202	100	12
105253	6.0×40	20	20	6.0	204	100	6

Small package

Item no.	Dimensions mm	Max. wall thickness mm	Min. inst. depth mm	Drill dim mm	Qty/ pack.	Pack./ large pack.
511680	5.0×22	6	16	5.0	15	10
511682	6.0×40	20	20	6.0	15	10