

KPO 16

Frame plug Ø16, with SW-19 hex head screw



AT-15-9031/2012



Description

Frame plug with hex head screw for fixing of steel members

Technical data

Type of installation push-through installation

Substrate concrete, solid clay brick, solid sand-lime, perforated solid brick, autoclaved aerated concrete

Sleeve material / Protective coating

100%
nylon

Blue
zinc

Features and advantages of the product



SW-19 head

SW-19 hex head helps to tighten the screw with a given force (e.g. with torque wrench). Large flange ensures better holding power.

< 120
mm >

Long anchorage zone

Can be used in all types of material while maintaining high strength parameters.

< Ø12
mm >

Screw diameter up to 12 mm

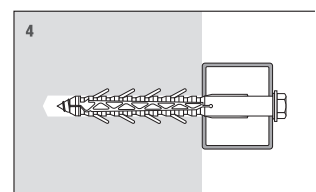
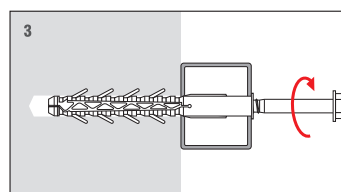
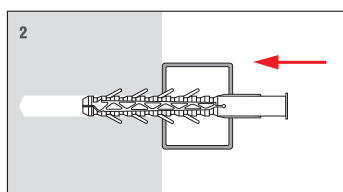
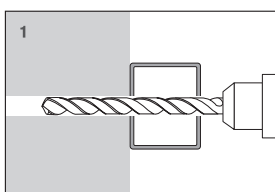
The largest expansion anchor on the market, for heavy duty applications.

< 240
mm >

Anchor length

Enables you to fasten materials up to 120 mm thick.

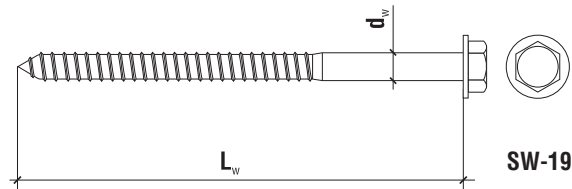
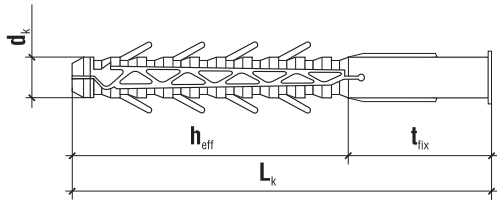
Installation



TECHNICAL DATA

Product marking

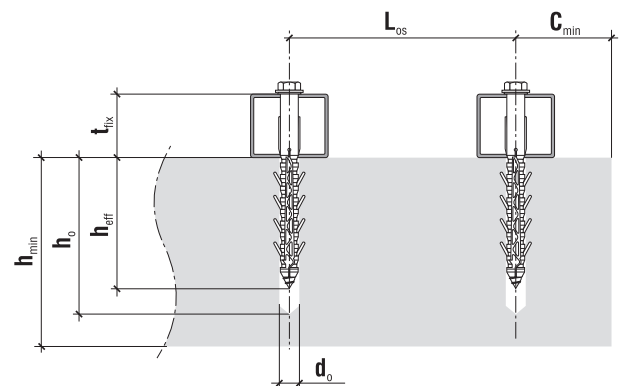
KPO	16	140
Type	Diameter	Length



	Code	$d_k \times L_k$ [mm]	$d_w \times L_w$ [mm]	Max. fixture thickness t_{fix} [mm]	SW-19	Pcs
ø16	KPO-16140	16 x 140	12 x 150	20	SW-19	15
	KPO-16160	16 x 160	12 x 170	40	SW-19	15
	KPO-16200	16 x 200	12 x 210	80	SW-19	15
	KPO-16240	16 x 240	12 x 250	120	SW-19	10

TECHNICAL DATA

Parameter	Unit	KPO 16
Plug diameter	d_k [mm]	16
Hole diameter	d_o [mm]	16
Effective anchorage depth	h_{eff} [mm]	120
Depth of drill hole	h_o [mm]	130
Key size	x	SW-19
Sleeve material	x	PA
Screw material	x	Zinc plated steel
Approval	x	AT-15-9031/2012



CHARACTERISTIC PULL-OUT RESISTANCE [kN]

Substrate	KPO 16
Concrete C20/25	2.59
Solid clay brick	1.88
Solid sand-lime brick	1.72
Perforated clay brick	1.34
Autoclaved aerated concrete	0.87

SUBSTRATE - MINIMUM THICKNESS, DISTANCE

Substrate	Min. member thickness h_{min} [mm]	Min. edge distance c_{min} [mm]	Min. spacing L_{os} [mm]
Concrete C20/25	240	120	240
Solid clay brick	240	120	240
Solid sand-lime brick	240	120	240
Perforated clay brick	240	120	240
Autoclaved aerated concrete	240	120	240

