

WEP-G Expansion Plug

Economical expansion anchor for solid substrates

Anchor Types



WEP-G 5x25
WEP-G 6x30
WEP-G 8x40
WEP-G 10x50
WEP-G 12x60
WEP-G 14x70

Features and Benefits

- Can be used with wood screws and chipboard screws
- Suitable for variety of substrates
- Does not expand prematurely
- Resists rotation in holes
- Material: high quality PA6 polyamide

Suitable base materials

- Concrete
- Solid bricks
- Lightweight concrete
- Sand-lime bricks
- Natural stone
- Rock

Typical Applications

- Shelves
- Wall-mounted cabinets
- Sanitary fixings
- HVAC and plumbing fixings

Product Details

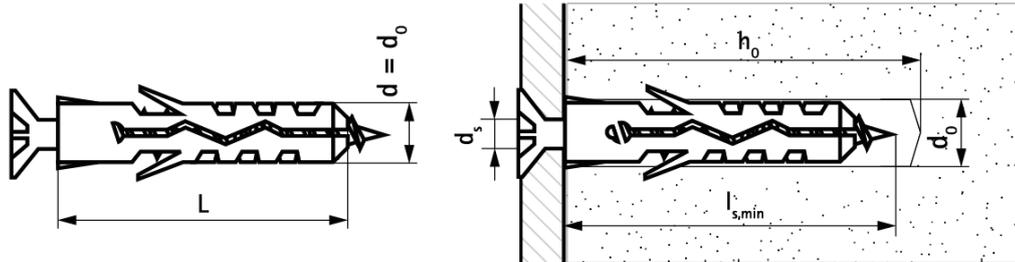
Article	Description	Diameter	Length
		d [mm]	L [mm]
61001105	WEP-G 5x25	5	25
61001106	WEP-G 6x30	6	30
61001108	WEP-G 8x40	8	40
61001110	WEP-G 10x50	10	50
61001112	WEP-G 12x60	12	60
61001114	WEP-G 14x70	14	70

Packaging Details

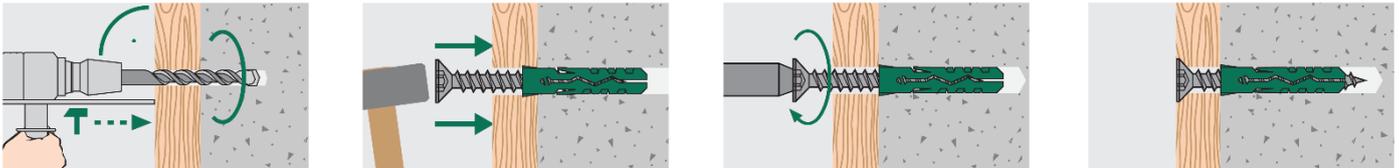
Article	Description	Pack 1		Pack 2	
		[pcs]	EAN13	[pcs]	EAN13
61001105	WEP-G 5x25	100	8719942060202	8000	8719942060219
61001106	WEP-G 6x30	100	8719942060240	8000	8719942060257
61001108	WEP-G 8x40	100	8719942060288	4000	8719942060295
61001110	WEP-G 10x50	50	8719942060325	2000	8719942060332
61001112	WEP-G 12x60	25	8719942060363	1000	8719942060370
61001114	WEP-G 14x70	20	8719942060400	800	8719942060417

Setting Details

Anchor Size			5x25	6x30	8x40	10x50	12x60	14x70
Length	L	[mm]	25	30	40	50	60	70
Drill hole diameter	d_o	[mm]	5	6	8	10	12	14
Drill hole depth	h_o	[mm]	30	35	50	60	70	85
Nominal anchorage depth	h_{nom}	[mm]	25	30	40	50	60	70
Screw diameter wood/ chipboard	d_s	[mm]	2.5-4	3.5-5	4.5-6	6-8	8-10	10-12
Min. screwing depth	$l_{s,min}$	[mm]	29	35	46	58	70	82
Max. fixture thickness	$t_{fix,max}$	[mm]	based on screw length					



Installation Instructions



Loading Data

Loading data is presented for single anchors installed with maximum screw diameter wood screw.

Characteristic loads

Anchor Size			5x25	6x30	8x40	10x50	12x60	14x70
C20/25 concrete	N_{rk}	[kN]	2.30	3.40	4.60	9.50	11.50	19.40
Solid brick	N_{rk}	[kN]	1.90	2.70	4.30	5.20	5.60	6.90
Sand-lime brick	N_{rk}	[kN]	1.70	2.50	3.90	4.90	-	-

Recommended loads

Anchor Size			5x25	6x30	8x40	10x50	12x60	14x70
C20/25 concrete	N_{rec}	[kN]	0.46	0.68	0.92	1.90	2.30	3.88
Solid brick	N_{rec}	[kN]	0.38	0.54	0.86	1.04	1.12	1.38
Sand-lime brick	N_{rec}	[kN]	0.34	0.50	0.78	0.98	-	-

Given recommended tension loads include a safety factor of 5.