

Universal plug UX

The universal fixing for a perfect grip in all walls.

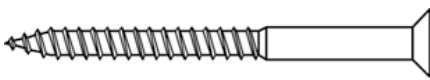
OVERVIEW



Universal plug UX



Universal plug UX-R with collar



Wood screw



Chipboard screw

Suitable for:

- Concrete
- Prestressed hollow-core concrete slabs
- Natural stone with dense structure
- Solid brick
- Solid sand-lime brick
- Solid block made from lightweight concrete
- Aerated concrete
- Solid panel made from gypsum
- Vertically perforated brick
- Perforated sand-lime brick
- Hollow block made from lightweight concrete
- Slabs made of perforated bricks
- Hollow concrete blocks etc.

- Gypsum plasterboard and gypsum fibreboards
- Chip boards

For fixing of:

- Pictures
- Motion detectors
- Lamps
- Skirting
- Electric switches
- Small wall-mounted shelves
- Towel rails
- Lightweight mirror cabinets
- Letter boxes
- Hanging baskets
- Curtain rails

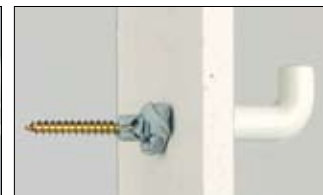


DESCRIPTION

- Nylon universal fixing
- Expansion in solid building materials, reliable knot formation in all cavities.
- Use UX 6 long versions with fischer spacing screws for maximum load-bearing capacity in perforated materials, double-skinned plasterboard and for bridging non-load-bearing layers.

Advantages/Benefits

- The unique design enables use in almost all building materials.
- Diagonal connection ridges for optimum screw guidance.
- New saw-tooth anti-rotation lock prevents the fixing rotating in the drill hole.
- Low turning and high tightening torque - the first universal fixing that really "holds".



- Can be used with wood and chipboard screws between 4 and 12 mm.
- Integral drive-in lock enables optimal push-through installation. If pre-assembled with screw.
- The collar of the UX R prevents it slipping into the drill hole.

INSTALLATION

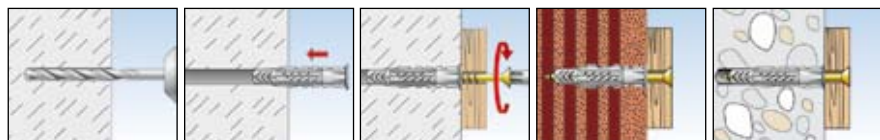
Type of installation

- Pre-positioned and push-through installation.

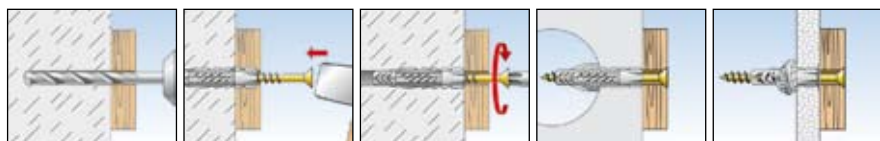
Installation information

- With push-through installation, use the largest possible screw diameter.
- Drill only in a rotary motion (switch off hammer) in perforated and hollow brick and aerated concrete, and use a metal bit for plasterboard.
- If using hook screws and eye screws in cavity bricks, it is essential that they have a collar, so that the screw can be tightened enough to collapse the plug fully.
- The required screw length is given by the fixing length + thickness of the item being attached + 1 x screw diameter.

Pre-positioned installation



Push-through installation



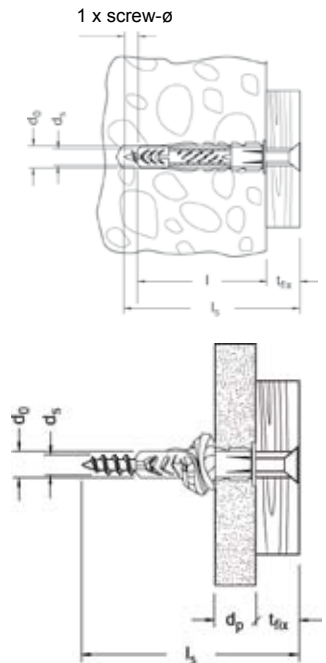
FIXING PRINCIPLES

In detail: The general principles for installation, the correct drilling procedure and much more on page 303.

TECHNICAL DATA



Type	Art.-No.	ID	drill-Ø d_0 [mm]	min. drill hole depth t [mm]	min. panel thickness d_p [mm]	anchor length l [mm]	usable length d_a [mm]	chipboard screw $d_s \times l_s$ [Ø mm]	qty. per box pcs.
UX 5	94721	0	5	40	9,5	30	-	3 - 4	100
UX 5 R	94722	7	5	40	9,5	30	-	3 - 4	100
UX 6 x 35	62754	9	6	45	9,5	35	-	4 - 5	100
UX 6 x 35 R	62756	3	6	45	9,5	35	-	4 - 5	100
UX 6 x 50	72094	3	6	60	9,5	50	-	4 - 5	100
UX 6 x 50 R	72095	0	6	60	9,5	50	-	4 - 5	100
UX 8 x 50	77869	2	8	60	9,5	50	-	4,5 - 6	100
UX 8 x 50 R	77870	8	8	60	9,5	50	-	4,5 - 6	100
UX 10 x 60	77871	5	10	75	12,5	60	-	6 - 8	50
UX 10 x 60 R	77872	2	10	75	12,5	60	-	6 - 8	50
UX 12 x 70	62758	7	12	85	-	70	-	8 - 10	25
UX 14 x 75	62757	0	14	95	-	75	-	10 - 12	20
UX 6 x 35R S/20	94758	6	6	60	9,5	35	20	4,5 x 60	25
UX 6 x 50R S/20	94759	3	6	75	9,5	50	20	4,5 x 75	25
UX 8 x 50R S/15	94762	3	8	70	9,5	50	15	5 x 70	25
UX 8 x 50R S/25	94760	9	8	80	9,5	50	25	5 x 80	25
UX 10 x 60 S/20	94761	6	10	85	12,5	60	20	6 x 85	10



General fixings

Type	Art.-No.	ID	drill-Ø d_0 [mm]	min. drill hole depth t [mm]	min. panel thickness d_p [mm]	anchor length l [mm]	dimension of hook screw $d_s \times l_s$ [Ø mm]	qty. per box pcs.
Universal plug UX RH								
UX 6 x 35 RH	94407	3	6	45	9,5	35	3,5 x 68	25
UX 6 x 35 WH	94408	0	6	45	9,5	35	3,5 x 52	25
UX 8 x 50 RH	94409	7	8	60	9,5	50	4,4 x 83	25
UX 8 x 50 WH	94410	3	8	60	9,5	50	4,4 x 68	25

Type	Art.-No.	ID	drill-Ø d_0 [mm]	min. drill hole depth t [mm]	min. panel thickness d_p [mm]	anchor length l [mm]	dimension of hook screw $d_s \times l_s$ [Ø mm]	qty. per box pcs.
Universal plug UX RH W								
UX 8 x 50 RH W	94412	7	8	60	9,5	50	4,4 x 83	25
UX 8 x 50 WH W	94413	4	8	60	9,5	50	4,4 x 68	25
UX 8 x 50 OE W	94414	1	8	60	9,5	50	4,4 x 83	25

LOADS

Recom. loads N_{rec} [kN] and mean ultimate loads N_u [kN]. These values apply to the use of wood screws with the given screw diameter. When used with chipboard screws these values should be reduced by 30%.

Fixing type	UX 6 x 35		UX 6 x 50 (R)		UX 8 x 50		UX 10 x 60		UX 12 x 70		UX 14 x 75	
	N_{rec}	N_u	N_{rec}	N_u	N_{rec}	N_u	N_{rec}	N_u	N_{rec}	N_u	N_{rec}	N_u
Wood screw diameter [mm]	5		6		5		8		10		12	
Substrate	N_{rec}	N_u	N_{rec}	N_u	N_{rec}	N_u	N_{rec}	N_u	N_{rec}	N_u	N_{rec}	N_u
Concrete \geq C12/C65	0.4	2.4	0.6	2.5	0.6	2.5	1.0	5.8	1.5	8.8	1.8	13.2
Solid brick \geq Mz12 (DIN 105)	0.2	2.0	0.3	2.1	0.3	2.1	0.5	3.7	0.7	8.0	0.8	8.0
Vertical perforated brick \geq Hlz12 ($\rho \geq 1.0$ kg/dm ³ , DIN 105)	0.2	0.9	0.2	0.9	0.2	1.0	0.2	1.4	0.3	2.1	0.4	3.2
Sand-lime perforated brick \geq KSL12 (DIN 106)	0.4	2.6	0.4	2.8	0.5	3.2	0.6	4.4	0.8	5.0	0.8	5.0
Aerated concrete \geq PB2	0.05	0.4	0.1	0.5	0.15	0.7	0.2	1.1	0.2	1.6	0.2	1.7
Aerated concrete \geq PB4	0.2	1.0	0.2	1.3	0.3	1.7	0.4	2.7	0.6	3.7	0.7	3.9
Plasterboard 12,5 mm	0.1	0.5	0.1	0.5	0.1	0.6	0.1	0.6	-	-	-	-
Plasterboard 2 x 12,5 mm	0.15	0.7	0.15	0.8	0.15	0.8	0.15	1.1	-	-	-	-
Gypsum fibre board (Fermacell)	0.2	1.5	0.2	1.5	0.2	1.7	0.25	1.9	-	-	-	-