

fischer

Frame fixing SXR

First fischer frame fixing with European Technical Approval (ETA).



SXR



SXR-FUS



SXR-Z



SXR-T

DESCRIPTION

- First fischer frame fixing with European Technical Approval.
- The approval covers the classical application area to facade subframes and the multiple fixing of non-structural building components structures in general.
- Fixings under pure axial loads in cracked or non-cracked concrete are now approved.
- New application areas are opened up, such as suspended ceilings, cable trays, piping brackets etc.
- Additional assortment for subordinated fixings: cost optimised, handling-optimised, with recommended loads for hollow and solid materials.

Approved for:

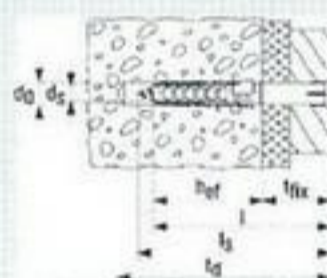
- Concrete
- Solid brick
- Solid sand-lime brick
- Perforated sand-lime brick
- Solid block made of lightweight or normal weight concrete
- Hollow block made from lightweight concrete
- Vertically perforated brick
- Thermal insulation block

Also suitable for:

- Natural stone with dense structure
- Aerated concrete
- Solid block made from lightweight concrete
- Windows
- Kitchen cabinets
- Wardrobes
- Squared timbers
- Facings
- Facade and roof substructures made of wood and metal
- Suspended ceilings
- Cable trays

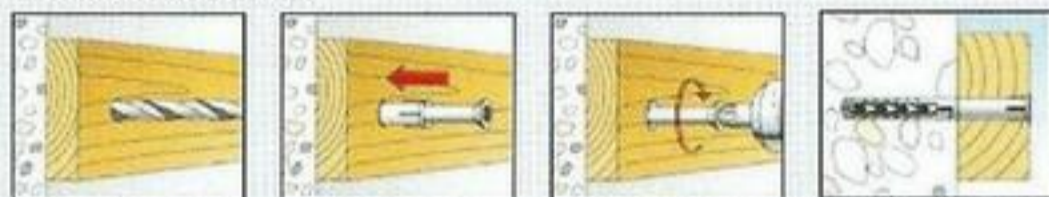
For fixing of:

- Gates
- Door frames
- Fire protection doors



INSTALLATION

for timber structures



for metal structures



Type	Art. No.	drill	min. drill-hole depth for through fixings	effect. anchoring depth	anchor length	max. usable	screw	drive	qty. per box
		d_s	t_d	h_{ef}	l	t_{fix}	$d_s \times l_s$		pcs.
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		
SXR 6 x 35	503228	6	45	30	35	5	3,5 - 4,5 x 40	-	50
SXR 6 x 50	503229	6	60	30	50	20	3,5 - 4,5 x 55	-	50
SXR 6 x 60	503230	6	70	30	60	30	3,5 - 4,5 x 65	-	50
SXR 6 x 35 Z	503231	6	45	30	35	5	4,5 x 40	PZ2	50
SXR 6 x 50 Z	503232	6	60	30	50	20	4,5 x 55	PZ2	50
SXR 6 x 60 Z	503233	6	70	30	60	30	4,5 x 65	PZ2	50

SXR WZ Is - with wood screw for Pozi bit, not pre-assembled

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		d_d	t_d	h_{ef}	l	t_{fix}	$d_s \times l_s$		pcs.
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		
SXR 8 x 60 WZ Is	503738	8	70	50	60	10	5,5 x 65	PZ3	100
SXR 8 x 80 WZ Is	503740	8	90	50	80	30	5,5 x 85	PZ3	100
SXR 8 x 100 WZ Is	503741	8	110	50	100	50	5,5 x 105	PZ3	100
SXR 8 x 120 WZ Is	503742	8	130	50	120	70	5,5 x 125	PZ3	100
SXR 10 x 80 WZ Is	505461	10	90	50	80	30	7 x 87	PZ 4	100
SXR 10 x 100 WZ Is	505462	10	110	50	100	50	7 x 107	PZ 4	100
SXR 10 x 120 WZ Is	505463	10	130	50	120	70	7 x 127	PZ 4	100
SXR 10 x 140 WZ Is	505464	10	150	50	140	90	7 x 147	PZ 4	100
SXR 10 x 160 WZ Is	505465	10	170	50	160	110	7 x 167	PZ 4	100

PERMISSIBLE LOADS

Maximum permissible loads 1) of one fixing point 2) in concrete.
For the design the complete approval ETA-07/0121 is to be observed.

Fixing type			SXR 8		SXR 10	
	gvz	A4	gvz	A4	gvz	A4
Effective anchorage depth	h_{ef}	[mm]	50		50	
Drill hole depth	$h_1 \geq$	[mm]	60		60	
Minimum structural component thickness	h_{min}	[mm]	100		100	
Nominal drill hole diameter	d_0	[mm]	8		10	
Clearance-hole in fixture to be attached	d_f	[mm]	8.5		10.5	
Permissible bending moment	M_{perm}	[Nm]	7.1	5.8	10.1	9.5
Permissible tensile load N_{perm}^{11} of one fixing point ²⁾ in concrete (use category "a")						
Concrete C12/15	Temperature range ϑ^{31}	30 ° / 50 °C	[kN]	1.0		2.0
		50 ° / 80 °C	[kN]	1.0		1.8
Permissible shear load V_{perm}^{11} of one fixing point ²⁾ in concrete (use category "a")						
Concrete C12/15	Temperature range ϑ^{31}	30 ° / 50 °C	[kN]	4.2	3.4	5.4
		50 ° / 80 °C	[kN]			5.0
Spacings and edge distances in concrete (use category "a")						
Concrete C12/15	Minimum spacing	s_{min}	[mm]	70		70
		for $c_{min} \geq$	[mm]	70		210
	Minimum edge distance	c_{min}	[mm]	70		85
		for $s_{min} \geq$	[mm]	70		100
	Characteristic edge distance	$c_{cr, N}$	[mm]	70		140
	Concrete C16/20 - C50/60	Minimum spacing	s_{min}	[mm]	50	
for $c_{min} \geq$			[mm]	50		150
Minimum edge distance		c_{min}	[mm]	580		60
		for $s_{min} \geq$	[mm]	50		70
Characteristic edge distance		$c_{cr, N}$	[mm]	50		100