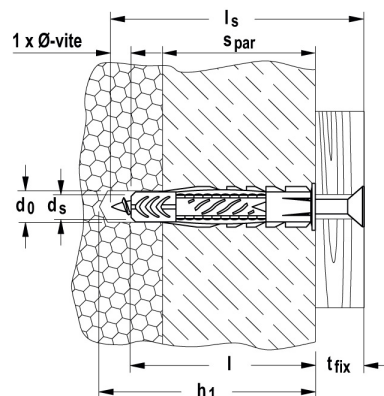


TECHNICAL DATA



UX R S universal plugs - with collar and screw



	With collar and screw	Drill hole diameter d_0 [mm]	Minimum drilling depth h_1 [mm]	Anchoring length l [mm]	Chipboard screws $d_s / d_s \times l_s$ [mm]	Maximum anchoring thickness t_{fix} [mm]	Box [pz]
Product	Art. n.						
UX 6 x 35	71548	6	55	35	4,5 x 50	10	100
UX 8 x 50	71550	8	70	50	5 x 65	10	50
UX 10 x 60	71551	10	85	60	7 x 80	15	20

LOADS

UX universal plug

Average pull load strength ¹⁾ and recommended pull loads ²⁾ for single anchoring on ISOTEX® blocks.

Product	Type of block	Block dimensions $L \times B \times H$ [cm]	Insulating thickness inside the block [mm]	Block wall thickness s_{par} [mm]	Drilling depth h_1 [mm]	Average pull load strength $N_{med}^{1)}$ [daN] ³⁾	Recommended pull load $N_{racc}^{2)}$ [daN] ³⁾
UX 6 x 35	HD III 30/7	50x30x25	70	40	55	65,6	9,4
UX 8 x 50	HD III 30/7	50x30x25	70	40	70	90,9	13
UX 10 x 60	HD III 30/7	50x30x25	70	40	85	119,9	17,1

¹⁾ Values derived from experimental tests. Anchoring installed on insulation side

²⁾ Includes safety factor 7 provided for light anchoring

³⁾ 1 daN = 1 kg.

LOADS

UX universal plug

Average shear load strength ¹⁾ and recommended shear loads ²⁾ for single anchoring on ISOTEX® blocks.

Product	Type of block	Block dimensions $L \times B \times H$ [cm]	Insulating thickness inside the block [mm]	Block wall thickness s_{par} [mm]	Drilling depth h_1 [mm]	Average pull load strength $V_{med}^{1)}$ [daN] ³⁾	Recommended pull load $V_{racc}^{2)}$ [daN] ³⁾
UX 6 x 35	HD III 30/7	50x30x25	70	40	55	149,5	21,4
UX 8 x 50	HD III 30/7	50x30x25	70	40	70	145,8	20,8
UX 10 x 60	HD III 30/7	50x30x25	70	40	85	181,1	25,9

¹⁾ Values derived from experimental tests. Anchoring installed on insulation side

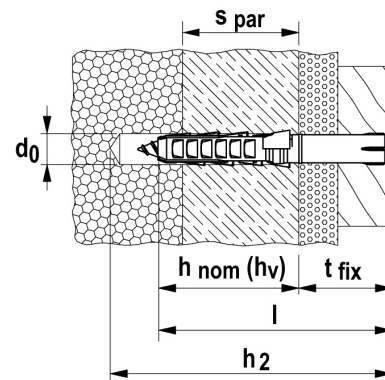
²⁾ Includes safety factor 7 provided for light anchoring

³⁾ 1 daN = 1 kg.

TECHNICAL DATA



Long-length anchoring system with countersunk flat head fischer screw and **TX SXR-WT LS** imprint



		Drill hole diameter	Minimum drilling depth for installation of pass-through	Anchoring depth ¹⁾	Anchoring length	Anchoring thickness	Tool attachment	Box
	Art. n.	d ₀ [mm]	h ₂ [mm]	h _{nom} (h _V) [mm]	l [mm]	t _{fix} [mm]		[pz]
Product	gvz							
SXR 8 x 60 WT LS	506473	8	70	50	60	10	T30	50
SXR 8 x 80 WT LS	506474	8	90	50	80	30	T30	50
SXR 8 x 100 WT LS	506475	8	110	50	100	50	T30	50
SXR 8 x 120 WT LS	506476	8	130	50	120	70	T30	50
SXR 10 x 80 WT LS	506478	10	90	50	80	30	T40	50
SXR 10 x 100 WT LS	506478	10	110	50	100	50	T40	50
SXR 10 x 120 WT LS	506479	10	130	50	120	70	T40	50
SXR 10 x 140 WT LS	506480	10	150	50	140	90	T40	50
SXR 10 x 160 WT LS	506481	10	170	50	160	110	T40	50

¹⁾ Expansion of the plug must take place within the wall thickness of the ISOTEX® block

LOADS

SXR long-length plug

Average pull load strength ¹⁾ and recommended pull loads ²⁾ for single anchoring on ISOTEX® blocks.

Product	Type of block	Block dimensions	Insulating thickness inside the block	Block wall thickness	Drilling depth	Average pull load strength	Recommended pull load
		L x B x H [cm]	[mm]	s _{par} [mm]	h ₂ [mm]	N _{med} ¹⁾ [daN] ³⁾	N _{racc} ²⁾ [daN] ³⁾
SXR 8 x 80	HD III 30/7	50x30x25	70	40	90	101,5	14,5
SXR 10 x 80	HD III 30/7	50x30x25	70	40	90	101,5	14,5

¹⁾ Values derived from experimental tests. Anchoring installed on insulation side

²⁾ Includes safety factor 7 provided for light anchoring

³⁾ 1 daN = 1 kg.

LOADS

SXR long-length plug

Average shear load strength ¹⁾ and recommended shear loads ²⁾ for single anchoring on ISOTEX® blocks.

Product	Type of block	Block dimensions	Insulating thickness inside the block	Block wall thickness	Drilling depth	Average pull load strength	Recommended pull load
		L x B x H [cm]	[mm]	s _{par} [mm]	h ₂ [mm]	V _{med} ¹⁾ [daN] ³⁾	V _{racc} ²⁾ [daN] ³⁾
SXR 8 x 80	HD III 44/18	50x44x25	180	50	90	145,3	20,8
SXR 10 x 80	HD III 44/18	50x44x25	180	50	90	146,7	21,0

¹⁾ Values derived from experimental tests. Anchoring installed on insulation side

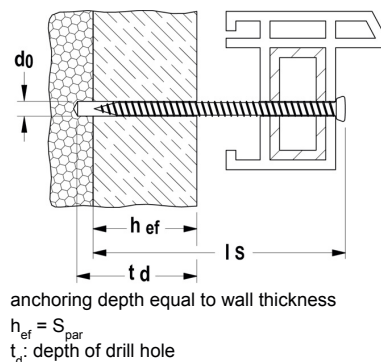
²⁾ Includes safety factor 7 provided for light anchoring

³⁾ 1 daN = 1 kg.

TECHNICAL DATA



Stainless steel screws for walls with countersunk flat head and T30 FFS imprint



Product	Art. n.	Drill hole diameter d_0 [mm]	Length of screw l_s [mm]	Tool attachment	Screw head [Ø mm]	Box [items]		
FFS 7,5 x 62	062396	6	62	T30	11,5	100		
FFS 7,5 x 72	061550	6	72	T30	11,5	100		
FFS 7,5 x 82	068955	6	82	T30	11,5	100		
FFS 7,5 x 92	061551	6	92	T30	11,5	100		
FFS 7,5 x 102	068956	6	102	T30	11,5	100		
FFS 7,5 x 112	061552	6	112	T30	11,5	100		
FFS 7,5 x 122	068957	6	122	T30	11,5	100		
FFS 7,5 x 132	061553	6	132	T30	11,5	100		
FFS 7,5 x 152	061554	6	152	T30	11,5	100		
FFS 7,5 x 182	061555	6	182	T30	11,5	100		
FFS 7,5 x 202	068958	6	202	T30	11,5	100		
FFS 7,5 x 212	061556	6	212	T30	11,5	100		

LOADS

FFS screw for doors and windows

Average pull load strength ¹⁾ and recommended pull loads ²⁾ for single anchoring on ISOTEX® blocks.

Product	Type of block	Block dimensions L x B x H [cm]	Insulating thickness inside the block [mm]	Block wall thickness s_{par} [mm]	Drilling depth h_{ef} [mm]	Average pull load strength $N_{med}^{1)}$ [daN] ³⁾	Recommended pull load $N_{racc}^{2)}$ [daN] ³⁾
FFS 7,5 x102	HD III 30/7	50x30x25	70	40	40	158,2	22,6

¹⁾ Values derived from experimental tests. Anchoring installed on insulation side without drill hole

²⁾ Includes safety factor 7 provided for light anchoring

³⁾ 1 daN = 1 kg.

LOADS

FFS screw for doors and windows

Average shear load strength ¹⁾ and recommended shear loads ²⁾ for single anchoring on ISOTEX® blocks.

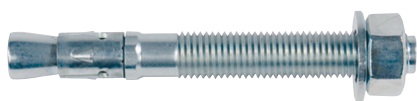
Product	Type of block	Block dimensions L x B x H [cm]	Insulating thickness inside the block [mm]	Block wall thickness s_{par} [mm]	Drilling depth h_{ef} [mm]	Average pull load strength $V_{med}^{1)}$ [daN] ³⁾	Recommended pull load $V_{racc}^{2)}$ [daN] ³⁾
FFS 7,5 x102	HD III 30/7	50x30x25	70	40	40	175,1	25,0

¹⁾ Values derived from experimental tests. Anchoring installed on insulation side without drill hole

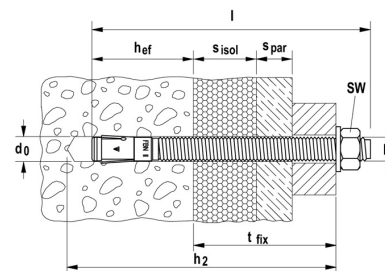
²⁾ Includes safety factor 7 provided for light anchoring

³⁾ 1 daN = 1 kg.

TECHNICAL DATA



FBN II anchoring



	Art. n.	Certifications ETA	Diameter Drill hole d_0 [mm]	Depth of Minimum drill hole for installation of pass-through h_2 [mm]	Length anchoring l [mm]	Thickness attachable max t_{fix} [mm]	Threading $\emptyset \times \text{length}$ [mm]	Packaging key torque $\circ$ SW [mm]	Box [pz]
Product									
FBN II 10/30	040854	■	10	98	106	30/40	M 10 x 66	17	50
FBN II 10/50	040855	■	10	118	126	50/60	M 10 x 86	17	20
FBN II 10/70	040931	■	10	138	146	70/80	M 10 x 106	17	20
FBN II 10/100	040943	■	10	168	176	100/110	M 10 x 136	17	20
FBN II 10/140	040944	■	10	208	216	140/150	M 10 x 176	17	20
FBN II 10/160	040945	■	10	228	236	160/170	M 10 x 196	17	20
FBN II 12/20	044558	■	12	105	116	20/35	M 12 x 69	19	20
FBN II 12/30	045263	■	12	115	126	30/45	M 12 x 79	19	20
FBN II 12/50	045264	■	12	135	146	50/65	M 12 x 99	19	20
FBN II 12/80	045265	■	12	165	176	80/95	M 12 x 129	19	20
FBN II 12/100	045266	■	12	185	196	100/115	M 12 x 149	19	20
FBN II 12/120	045267	■	12	205	216	120/135	M 12 x 169	19	20
FBN II 12/140	045268	■	12	225	236	140/155	M 12 x 189	19	20
FBN II 12/160	045269	■	12	245	256	160/175	M 12 x 189	19	20

LOADS

FBN II anchoring

Recommended pull loads¹⁾ for single anchoring.

Product	Concrete strength class	Effective anchoring depth h_{ef} [mm]	Recommend- ed pull load $N_{amm}^{1)}$ [daN] ²⁾
FBN II 10/140	C 20/25	50	850,0
FBN II 12/120	C 20/25	65	1260,0

¹⁾ Values referred to ETA certification for application on concrete C20 / 25

²⁾ 1 daN = 1 kg.

FBN II anchoring

Recommended shear loads¹⁾ for single anchoring on ISOTEX blocks®.

Product	Type of block	Block dimensions $L \times B \times H$ [cm]	Insulating thickness inside the block s_{isol} [mm]	Block wall thickness s_{par} [mm]	Effective anchoring depth in the cls h_{ef} [mm]	Lever arm b_{max} [mm]	Recommended shear load $b = 40$ mm $V_{racc}^{1)3)}$ [daN] ²⁾	Recommended shear load $b = 110$ mm $V_{racc}^{1)4)}$ [daN] ²⁾
FBN II 10/140	HD III 30/7	50x30x25	70	40	50	110	20,0	20,0
FBN II 12/120	HD III 30/7	50x30x25	70	40	65	110	88,0	37,4

¹⁾ Values for an end displacement of 1mm for a short-term load

²⁾ 1 daN = 1 kg

³⁾ Load for $b = s_{par}$ (concrete side installation)

⁴⁾ Load for $b = b_{max} = s_{isol} + s_{par}$ (insulating side installation).

TECHNICAL DATA



FIS V-BOND 300 T Injection
chemical anchoring system



FIS S mixer

		Certifications		Language on the label	Unit sizes	Contents	Box
Product	Art. n.	DIBt	ETA				[items]
FIS V-BOND 300 T	516352	●	■	I, D, GB	150	1 300 ml cartridge + 2 FIS S mixers	12
FIS S	512783	—	—	—		12 mixers	1

FIS V-BOND TIMINGS

Cartridge temperature (resin)	Usefulness time	Support temperature	Time for load application
		- 5°C - ± 0°C	24 hours
± 0°C - + 5°C	13 min	± 0°C - + 5°C	3 hours
+ 5°C - +10°C	9 min	+ 5°C - +10°C	90 min
+10°C - +20°C	5 min	+10°C - +20°C	60 min
+20°C - +30°C	4 min	+20°C - +30°C	45 min
+30°C - +40°C	2 min	+30°C - +40°C	35 min

The above times apply starting from the contact between the resin and the hardener in the mixer.

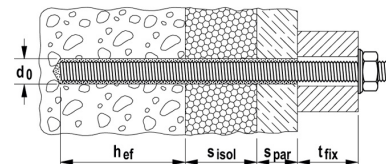
The temperature of the cartridge must be at least +5°C for installation. For longer installation times, for example when work interruptions occur, the mixer must be replaced.

TECHNICAL DATA

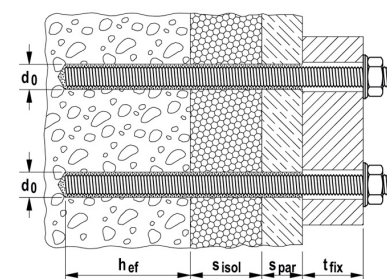


FIS A threaded bar

Example of single anchoring



Example of multiple anchoring (group of plugs)



	galvanized steel (class 8.8)	Certifications ETA	Drill hole diameter	Anchoring depth	Maximum anchoring thickness	Box
Product	Art. n.		d ₀ [mm]	h _{ef} [mm]	t _{fix} [mm]	[items]
	gvz					
FIS A M 12 x 1000	071502 ¹⁾	■	14	90	894	10
FIS A M 16 x 1000	557329 ¹⁾	■	18	110	870	10

¹⁾ Order nut and washer separately.

TECHNICAL DATA



Hexagonal **MU** nut and **U** washer

	galvanized steel (class 8.8)	Tightening torque	Box		galvanized steel (class 8.8)	Washer (outer diameter x thickness)	Box	Suitable for
Product	Art. n.	○ SW [mm]	[items]	Product	Art. n.	[mm]	[items]	
	gvz				gvz			
MU M 12 nut	024650	19	100	U M 12 washer	071522	24 x 2,5	100	FIS A M 12 x 1000
MU M 16 nut	557297	24	50	U M 16 washer	071524	30 x 3,0	50	FIS A M 16 x 1000

LOADS

FIS V-BOND 300 T chemical injection anchoring system

Average pull load strength ¹⁾ and recommended pull loads ²⁾ for single anchoring on ISOTEX® blocks.

Product	Concrete strength class	Effective anchoring depth h_{ef} [mm]	Recommended pull load N_{amm} ¹⁾ [daN] ²⁾
FIS A M12 (8.8)	C 20/25	90	1780,0
FIS A M16 (8.8)	C 20/25	110	2630,0

¹⁾ Values referred to European Technical Approval ETA for application in concrete C20/25

²⁾ 1 daN = 1 kg.

FIS V-BOND 300 T chemical injection anchoring system

Average pull load strength ¹⁾ and recommended pull loads ²⁾ for single anchoring on ISOTEX® blocks. 1 mm

Product	Type of block	Block dimensions L x B x H [cm]	Insulating thickness inside the block s_{isol} [mm]	Block wall thickness s_{par} [mm]	Effective anchoring depth in the cls h_{ef} [mm]	Lever arm b_{max} [mm]	Recommended shear load b = 50 mm V_{racc} ^{1) 3)} [daN] ²⁾	Recommended shear load b = 230 mm V_{racc} ^{1) 4)} [daN] ²⁾
FIS A M 12 (8.8)	HD III 44/18	50 x 44 x 25	180	50	90	230	50,0	3,2
FIS A M 16 (8.8)	HD III 44/18	50 x 44 x 25	180	50	110	230	101,0	9,3

¹⁾ Values for an end displacement of 1mm for a short-term load

²⁾ 1 daN = 1 kg

³⁾ Load for b = s_{par} (concrete side installation)

⁴⁾ Load for b = $b_{max} = s_{isol} + s_{par}$ (insulating side installation).

FIS V-BOND 300 T chemical injection anchoring system

Recommended shear loads ¹⁾ for single anchoring in ISOTEX® blocks for group anchoring with lowering amm. 1 mm

Product	Type of block	Block dimensions L x B x H [cm]	Insulating thickness inside the block s_{isol} [mm]	Block wall thickness s_{par} [mm]	Effective anchoring depth in the cls h_{ef} [mm]	Lever arm b_{max} [mm]	Recommended shear load b = 50 mm V_{racc} ^{1) 3)} [daN] ²⁾	Recommended shear load b = 230 mm V_{racc} ^{1) 4)} [daN] ²⁾
FIS A M 12 (8.8)	HD III 44/18	50 x 44 x 25	180	50	90	230	88,0	4,4
FIS A M 16 (8.8)	HD III 44/18	50 x 44 x 25	180	50	110	230	151,0	18,0

¹⁾ Values for an end displacement of 1mm for a short-term load

²⁾ 1 daN = 1 kg

³⁾ Load for b = s_{par} (concrete side installation)

⁴⁾ Load for b = $b_{max} = s_{isol} + s_{par}$ (insulating side installation).

FIS V-BOND 300 T chemical injection anchoring system

Average pull load strength ¹⁾ and recommended pull loads ²⁾ for single anchoring on ISOTEX® blocks. 3 mm

Product	Type of block	Block dimensions L x B x H [cm]	Insulating thickness inside the block s_{isol} [mm]	Block wall thickness s_{par} [mm]	Effective anchoring depth in the cls h_{ef} [mm]	Lever arm b_{max} [mm]	Recommended shear load b = 50 mm V_{racc} ^{1) 3)} [daN] ²⁾	Recommended shear load b = 230 mm V_{racc} ^{1) 4)} [daN] ²⁾
FIS A M 12 (8.8)	HD III 44/18	50 x 44 x 25	180	50	90	230	88,0	12,5
FIS A M 16 (8.8)	HD III 44/18	50 x 44 x 25	180	50	110	230	151,0	23,0

¹⁾ Values for an end displacement of 3 mm for a short-term load

²⁾ 1 daN = 1 kg

³⁾ Load for b = s_{par} (concrete side installation)

⁴⁾ Load for b = $b_{max} = s_{isol} + s_{par}$ (insulating side installation).

FIS V-BOND 300 T chemical injection anchoring system

Recommended shear loads ¹⁾ for single anchoring in ISOTEX® blocks for group anchoring with lowering amm. 3 mm

Product	Type of block	Block dimensions L x B x H [cm]	Insulating thickness inside the block s_{isol} [mm]	Block wall thickness s_{par} [mm]	Effective anchoring depth in the cls h_{ef} [mm]	Lever arm b_{max} [mm]	Recommended shear load b = 50 mm V_{racc} ^{1) 3)} [daN] ²⁾	Recommended shear load b = 230 mm V_{racc} ^{1) 4)} [daN] ²⁾
FIS A M 12 (8.8)	HD III 44/18	50 x 44 x 25	180	50	90	230	88,0	18,6
FIS A M 16 (8.8)	HD III 44/18	50 x 44 x 25	180	50	110	230	151,0	41,6

¹⁾ Values for an end displacement of 3 mm for a short-term load

²⁾ 1 daN = 1 kg

³⁾ Load for b = s_{par} (concrete side installation)

⁴⁾ Load for b = $b_{max} = s_{isol} + s_{par}$ (insulating side installation).

TECHNICAL DATA



FIS SB 390 S Chemical injection anchoring system



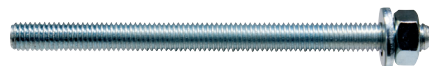
FIS Mixer Red

		Certifications	Language on the label	Unit sizes	Contents	Box
Product	Art. n.	ETA				[items]
FIS SB 390 S	519450	■	I, GB, D	180	1 390 ml cartridge, 2 x FIS Mixer Red	6
FIS Mixer Red	096448	—	—	—	10 mixers	10

FIS SB TEMPERATURE

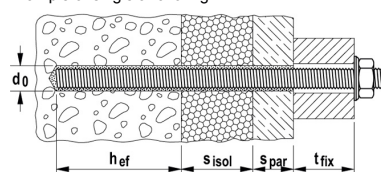
Support temperature	FIS SB usefulness time	FIS SB Time for load application
-14°C – -10°C	60 min	36 hours
-9°C – -5°C	30 min	24 hours
-4°C – ±0°C	20 min	8 hours
+1°C – +5°C	13 min	4 hours
+6°C – +10°C	9 min	120 min
+11°C – +20°C	5 min	60 min
+21°C – +30°C	4 min	45 min
+31°C – +40°C	2 min	30 min

TECHNICAL DATA

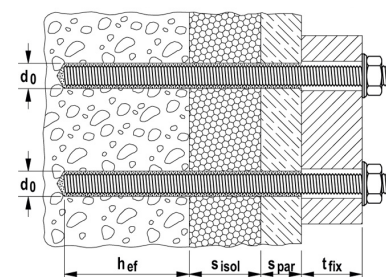


FIS A threaded bar

Example of single anchoring



Example of multiple anchoring (group of plugs)



	galvanized steel (class 8.8)	Certifications	Drill hole diameter	Anchoring depth	Maximum anchoring thickness	Box
Product	Art. n.	ETA	d ₀ [mm]	h _{ef} [mm]	t _{fix} [mm]	[items]
FIS A M 12 x 1000	071502 ¹⁾	■	14	90	894	10
FIS A M 16 x 1000	557329 ¹⁾	■	18	110	870	10

¹⁾ Order nut and washer separately.

TECHNICAL DATA



Hexagonal **MU** nut and **U** washer

	galvanized steel (class 8.8)	Tightening torque	Box		galvanized steel (class 8.8)	Washer (outer diameter x thickness)	Box	Suitable for
Product	Art. n.	○ SW [mm]	[items]	Product	Art. n.	[mm]	[items]	
MU M 12 nut	024650	19	100	U M 12 washer	071522	24 x 2,5	100	FIS A M 12 x 1000
MU M 16 nut	557297	24	50	U M 16 washer	071524	30 x 3,0	50	FIS A M 16 x 1000

LOADS

FIS SB 390 S chemical injection anchoring system

Average pull load strength ¹⁾ and recommended pull loads ²⁾ for single anchoring on ISOTEX® blocks.

Product	Concrete strength class	Effective anchoring depth h_{ef} [mm]	Recommended pull load $N_{amm}^{1)}$ [daN] ²⁾
FIS A M 12 (8.8)	C 20/25	90	2050,0
FIS A M 16 (8.8)	C 20/25	110	2770,0

¹⁾ Values referred to European Technical Approval ETA for application in concrete C20/25

²⁾ 1 daN = 1 kg.

FIS SB 390 S chemical injection anchoring system

Average pull load strength ¹⁾ and recommended pull loads ²⁾ for single anchoring on ISOTEX® blocks. 1 mm

Product	Type of block	Block dimensions $L \times B \times H$ [cm]	Insulating thickness inside the block s_{isol} [mm]	Block wall thickness s_{par} [mm]	Effective anchoring depth in the cls h_{ef} [mm]	Lever arm b_{max} [mm]	Recommended shear load $b = 50$ mm $V_{racc}^{1)3)}$ [daN] ²⁾	Recommended shear load $b = 230$ mm $V_{racc}^{1)4)}$ [daN] ²⁾
FIS A M 12 (8.8)	HD III 44/18	50 x 44 x 25	180	50	90	230	50,0	3,2
FIS A M 16 (8.8)	HD III 44/18	50 x 44 x 25	180	50	110	230	101,0	9,3

¹⁾ Values for an end displacement of 1mm for a short-term load

²⁾ 1 daN = 1 kg

³⁾ Load for $b = s_{par}$ (concrete side installation)

⁴⁾ Load for $b = b_{max} = s_{isol} + s_{par}$ (insulating side installation).

FIS SB 390 S chemical injection anchoring system

Recommended shear loads ¹⁾ for single anchoring in ISOTEX® blocks for group anchoring with lowering amm. 1 mm

Product	Type of block	Block dimensions $L \times B \times H$ [cm]	Insulating thickness inside the block s_{isol} [mm]	Block wall thickness s_{par} [mm]	Effective anchoring depth in the cls h_{ef} [mm]	Lever arm b_{max} [mm]	Recommended shear load $b = 50$ mm $V_{racc}^{1)3)}$ [daN] ²⁾	Recommended shear load $b = 230$ mm $V_{racc}^{1)4)}$ [daN] ²⁾
FIS A M 12 (8.8)	HD III 44/18	50 x 44 x 25	180	50	90	230	88,0	4,4
FIS A M 16 (8.8)	HD III 44/18	50 x 44 x 25	180	50	110	230	151,0	18,0

¹⁾ Values for an end displacement of 1mm for a short-term load

²⁾ 1 daN = 1 kg

³⁾ Load for $b = s_{par}$ (concrete side installation)

⁴⁾ Load for $b = b_{max} = s_{isol} + s_{par}$ (insulating side installation).

FIS SB 390 S chemical injection anchoring system

Average pull load strength ¹⁾ and recommended pull loads ²⁾ for single anchoring on ISOTEX® blocks. 3 mm

Product	Type of block	Block dimensions $L \times B \times H$ [cm]	Insulating thickness inside the block s_{isol} [mm]	Block wall thickness s_{par} [mm]	Effective anchoring depth in the cls h_{ef} [mm]	Lever arm b_{max} [mm]	Recommended shear load $b = 50$ mm $V_{racc}^{1)3)}$ [daN] ²⁾	Recommended shear load $b = 230$ mm $V_{racc}^{1)4)}$ [daN] ²⁾
FIS A M 12 (8.8)	HD III 44/18	50 x 44 x 25	180	50	90	230	88,0	12,5
FIS A M 16 (8.8)	HD III 44/18	50 x 44 x 25	180	50	110	230	151,0	23,0

¹⁾ Values for an end displacement of 3 mm for a short-term load

²⁾ 1 daN = 1 kg

³⁾ Load for $b = s_{par}$ (concrete side installation)

⁴⁾ Load for $b = b_{max} = s_{isol} + s_{par}$ (insulating side installation).

FIS SB 390 S chemical injection anchoring system

Recommended shear loads ¹⁾ for single anchoring in ISOTEX® blocks for group anchoring with lowering amm. 3 mm

Product	Type of block	Block dimensions $L \times B \times H$ [cm]	Insulating thickness inside the block s_{isol} [mm]	Block wall thickness s_{par} [mm]	Effective anchoring depth in the cls h_{ef} [mm]	Lever arm b_{max} [mm]	Recommended shear load $b = 50$ mm $V_{racc}^{1)3)}$ [daN] ²⁾	Recommended shear load $b = 230$ mm $V_{racc}^{1)4)}$ [daN] ²⁾
FIS A M 12 (8.8)	HD III 44/18	50 x 44 x 25	180	50	90	230	88,0	18,6
FIS A M 16 (8.8)	HD III 44/18	50 x 44 x 25	180	50	110	230	151,0	41,6

¹⁾ Values for an end displacement of 3 mm for a short-term load

²⁾ 1 daN = 1 kg

³⁾ Load for $b = s_{par}$ (concrete side installation)

⁴⁾ Load for $b = b_{max} = s_{isol} + s_{par}$ (insulating side installation).