

CATALOG

Profix system lower holderconsole for concrete panel facade

TYPE: **PK-PFC 2**

ÉMI NATIONAL TECHNICAL ASSESSMENT: A-124/2018



UPPER ANCHORAGE

LOWER ANCHORAGE

PK-DPXL/G

1 pc nut
+washer

Metal stud anchor

TF/H welded
threaded bolt

Height adjustment
plate

Anchor stud

Anchor nut

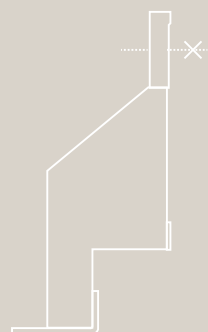
Round
washer

St/A clamping pin
with washer

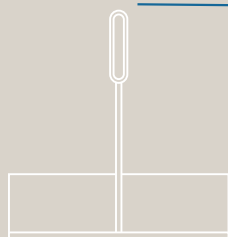
PK-PFC 223/1 typ
console

St/A clamping pin
with washer

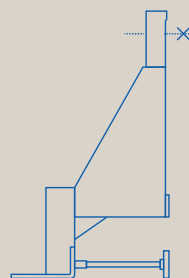
Module versions



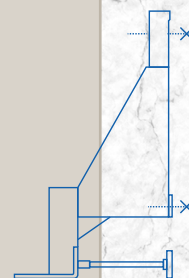
V-hanging



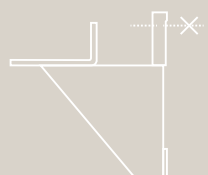
2D- double Anchors



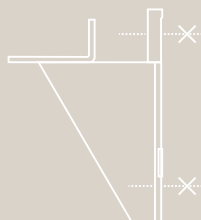
VL-KT with
adjustable
outrigger



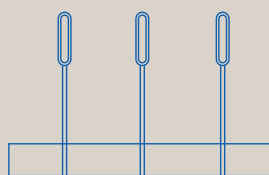
2D-VL-KT double anchors
with adjustable outrigger



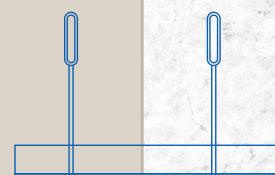
F- reverse



2F-reverse double Anchors



3M-three modules

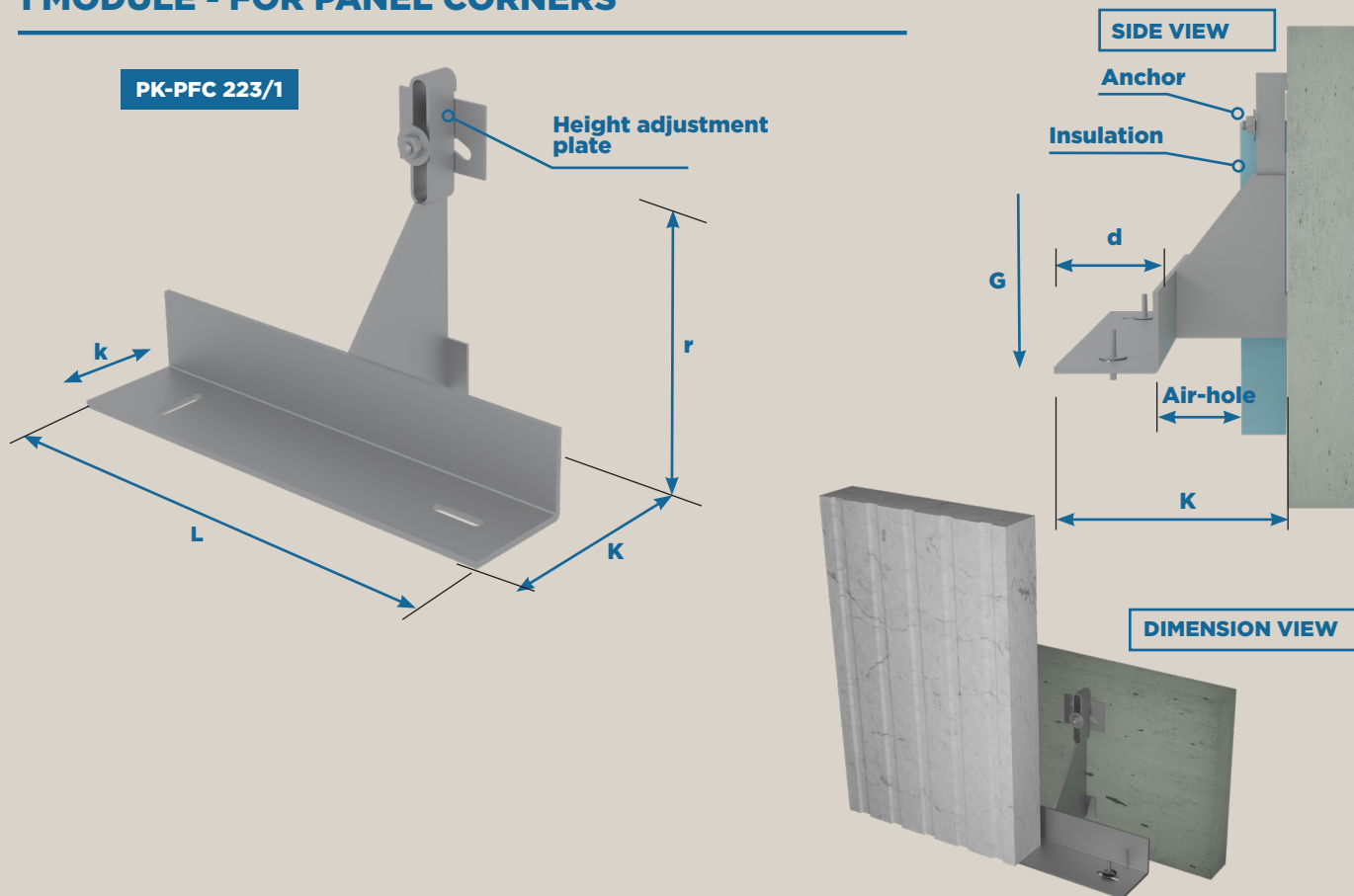


2V-hanging two modules

TARTALOM

PK-PFC 223/1 support profile-console with 1 module - for panel corners	04
PK-PFC 223/1V suspended profile-console with 1 module - for panel corners	05
PK-PFC 225/2 support profile-console with 2 modules - full panel support	06
PK-PFC 225/2V suspended profile-console with 2 modules - full panel corners	07
PK-PFC 225/3 support profile-console with 3 modules - full panel support	08
PK-PFC 225/3V suspended profile-console with 3 modules - full panel corners	09
PK-PFC 220/1 upper support profile-console with 1 module	10
PK-PFC 220/2 upper support profile-console with 2 modules	11
PK-DPX/G-VU/L suspended with L profile supporting U clamp	12
PK-DPX/G-VU suspended supporting U clamp	13
PK-PXLT/G-2D+TF/H upper anchoring clamp - for vertical gap	14
PK-DPXL/G+TQR upper anchoring clamp - for horizontal gap	15
PK-PTK external ledge console with large projection	16
PK-PZK ledge corner closing console	17
PK- KFP External angled facade blade fixing console	18
PK-PF Cornice hanging corner console	19
PK-PL Cornice-consol	20
PK-PT Cornice - blade console	21
PK-CSP horizontal blade console	22
PK-PCS vertical blade console	23
TF/H Welded threaded bolt	24
Accessories	25
FEL and FED scaffold anchoring	26
Anchor fixing	27
Installation guide	28
Loading and sizing concerning to frame	29
General instructions	30

PK-PFC 223/1 SUPPORT PROFILE-CONSOLE WITH 1 MODULE - FOR PANEL CORNERS



Type	Console protrusion K	Base plate L	Fixed height r	Loading capacity G	Anchor
PK-PFC 223/1	150 -250 mm	200-400 mm	200 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 223/1	260-350 mm		250 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 223/1	360-400 mm		300 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 223/1	410-500 mm		350 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205

Further dimensions according to additional sizing upon request.

Basic materials: According to claims 308 (1.4301) 316 Ti (1.4571) quality stainless steel

Complete fixing element: 1 pc PK-PFC 223/1 console, 1 pc height adjustment plate

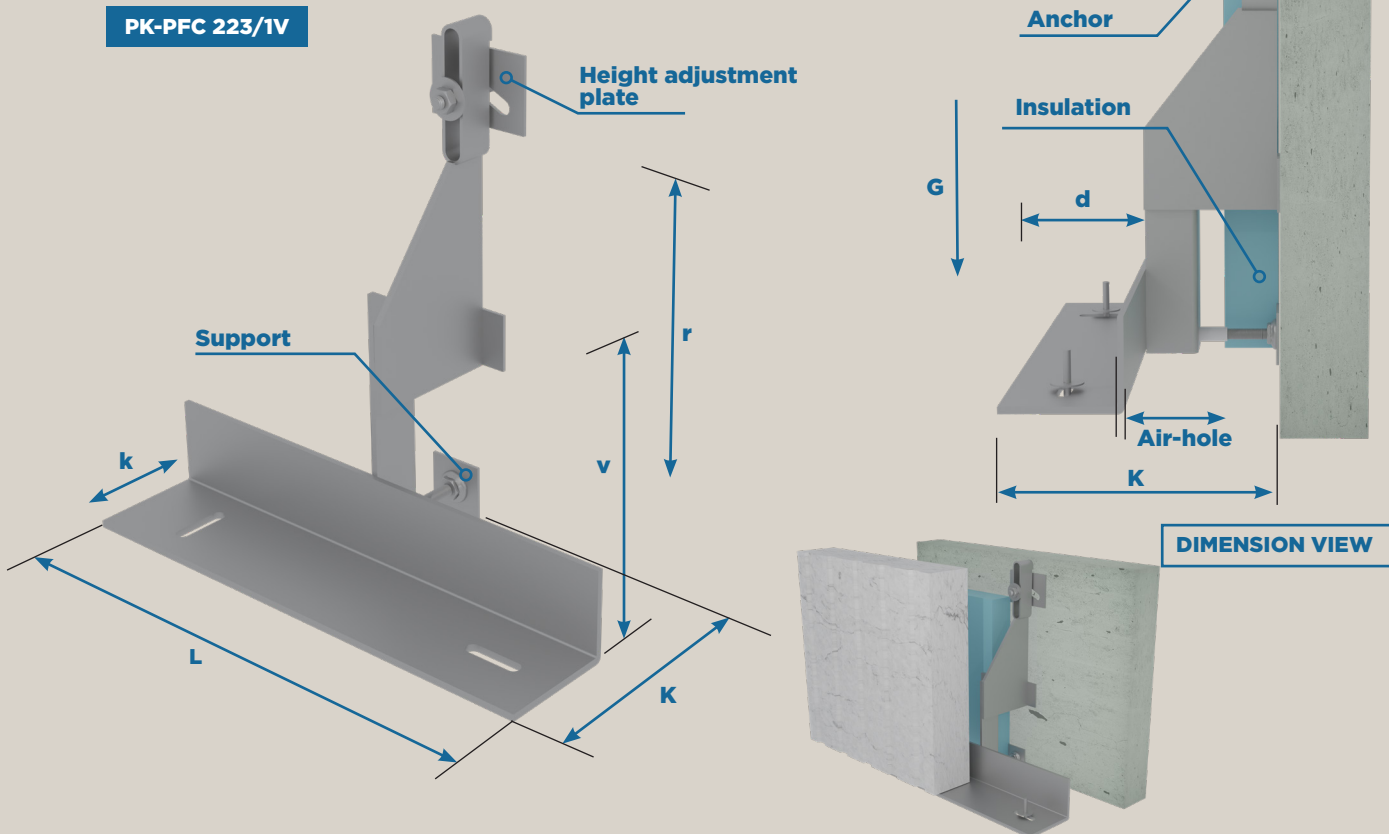
Fixing: The used anchors are according to the producer's technical datas

Marking: PK-PFC 223/1/ fixing point - console protrusion (K) / Base plate L - Loading (kN)

Example: PK-PFC 223/1-310/200-7,0 kN

Scaling: Stratification =Insulation + ventail or wall-difference + d = thickness of the panel

PK-PFC 223/1V SUSPENDED PROFILE-CONSOLE WITH 1 MODULE - FOR PANEL CORNERS



Type	Console protrusion K	Base plate L	Fixed height r	Loading capacity G	Anchor
PK-PFC 223/1V	150 -250 mm	200-400 mm	200 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 223/1V	260-350 mm		250 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 223/1V	360-400 mm		300 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 223/1V	410-500 mm		350 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205

Further dimensions according to additional sizing upon request.

Basic materials: According to claims 308 (1.4301) 316 Ti (1.4571) quality stainless steel

Complete fixing element: 1 pc PK-PFC 223/1V console, 1 pc height adjustment plate

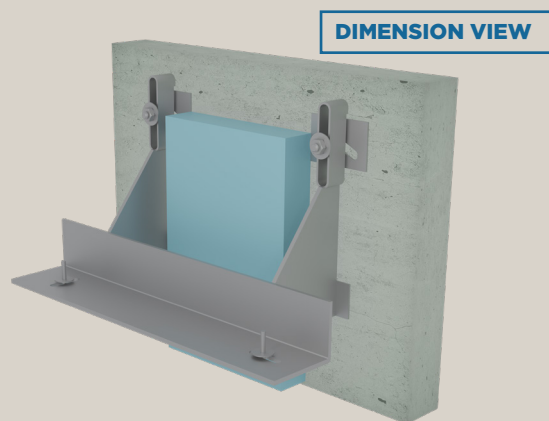
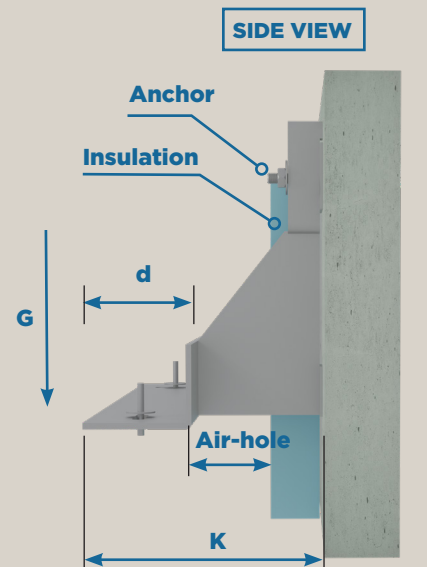
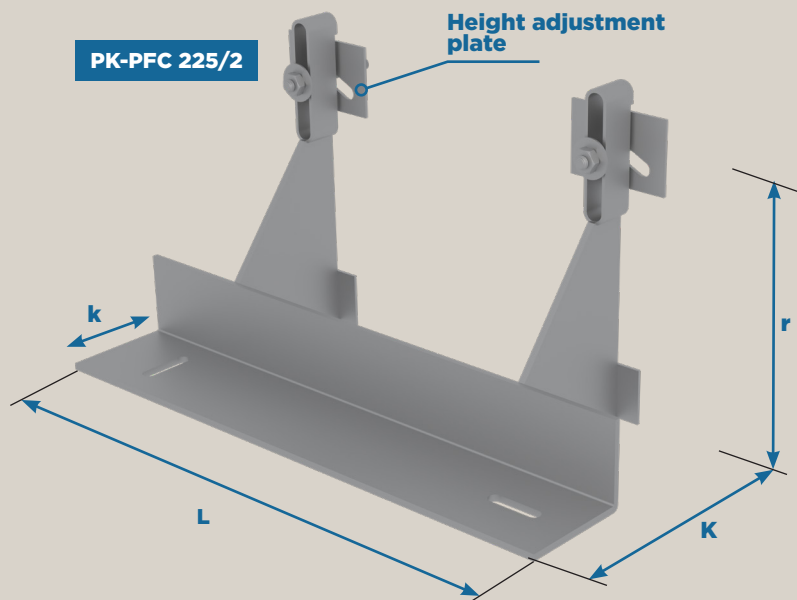
Fixing: The used anchors are according to the producer's technical datas

Marking: PK-PFC 223/1V/ fixing point - console protrusion (K) / Base plate L - Loading (kN)

Example: PK-PFC 223/1V/1V-310/400-7,0 kN V=300 mm

Scaling: Stratification =Insulation + ventail or wall-difference + d = thickness of the panel

PK-PFC 225/2 SUPPORT PROFILE-CONSOLE WITH 2 MODULES - FULL PANEL SUPPORT



Type	Console protrusion K	Base plate L	Fixed height r	Loading capacity G	Anchor
PK-PFC 225/2	150 -250 mm	500-1600 mm	200 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 225/2	260-350 mm		250 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 225/2	360-400 mm		300 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 225/2	410-500 mm		350 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205

Further dimensions according to additional sizing upon request.

Basic materials: According to claims 308 (1.4301) 316 Ti (1.4571) quality stainless steel

Complete fixing element: 1 pc PK-PFC 225/2 console, 2 pcs height adjustment plate

Fixing: The used anchors are according to the producer's technical datas

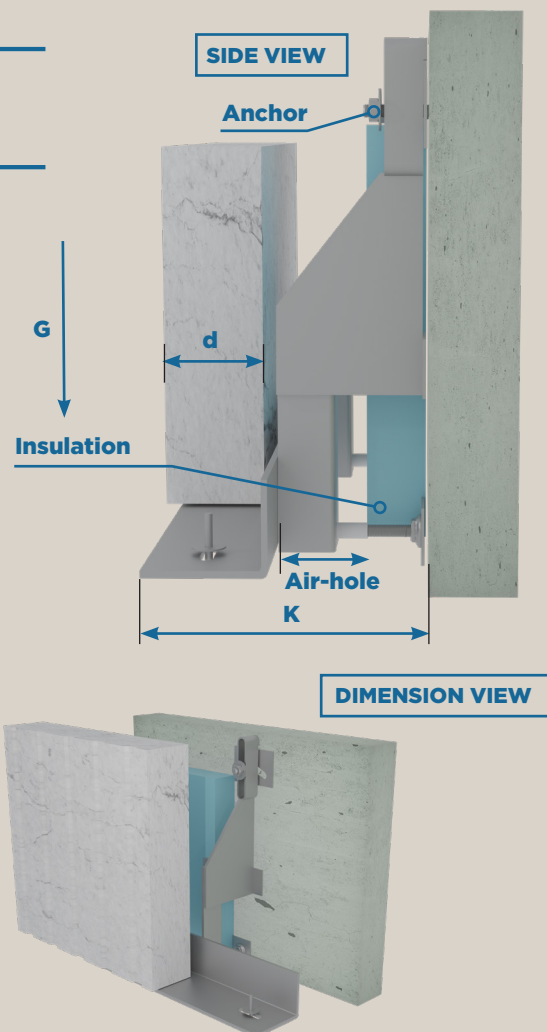
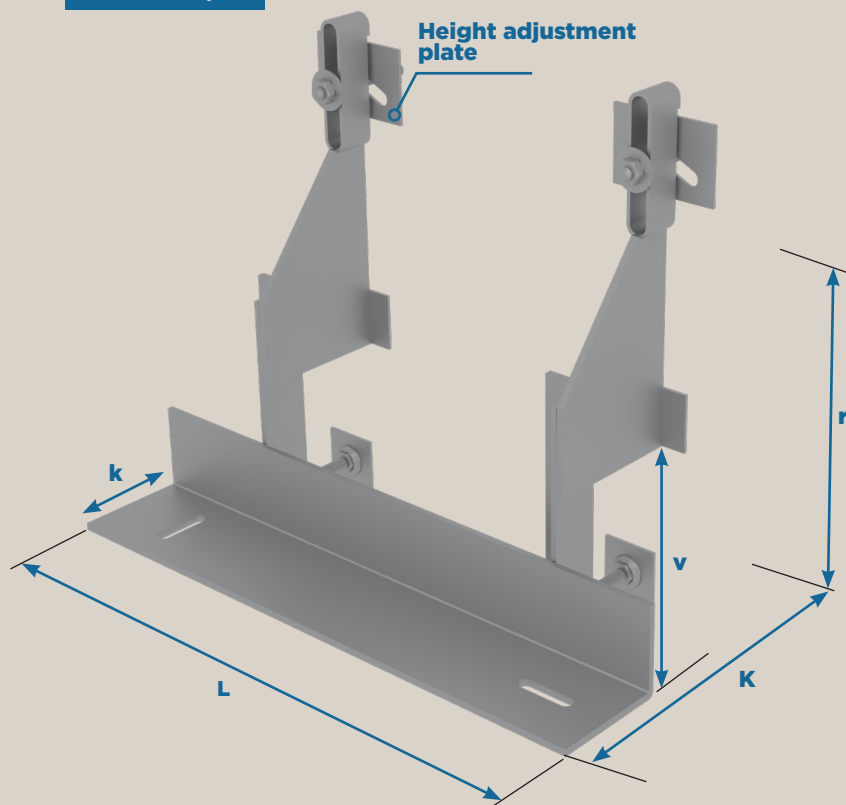
Marking: PK-PFC 225/2/ fixing point - console protrusion (K) / Base plate L - Loading (kN)

Example: PK-PFC 225/2-310/1200-7,0 kN

Scaling: Stratification =Insulation + ventail or wall-difference + d = thickness of the panel

PK-PFC 225/2V SUSPENDED PROFILE-CONSOLE WITH 2 MODULES - FULL PANEL CORNERS

PK-PFC 225/2V



Type	Console protrusion K	Base plate L	Fixed height r	Loading capacity G	Anchor
PK-PFC 225/2V	150 -250 mm	500-1600 mm	200 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 225/2V	260-350 mm		250 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 225/2V	360-400 mm		300 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 225/2V	410-500 mm		350 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205

Further dimensions according to additional sizing upon request.

Basic materials: According to claims 308 (1.4301) 316 Ti (1.4571) quality stainless steel

Complete fixing element: 1 pc PFC 225/2V console, 2 pcs height adjustment plate

Fixing: The used anchors are according to the producer's technical datas

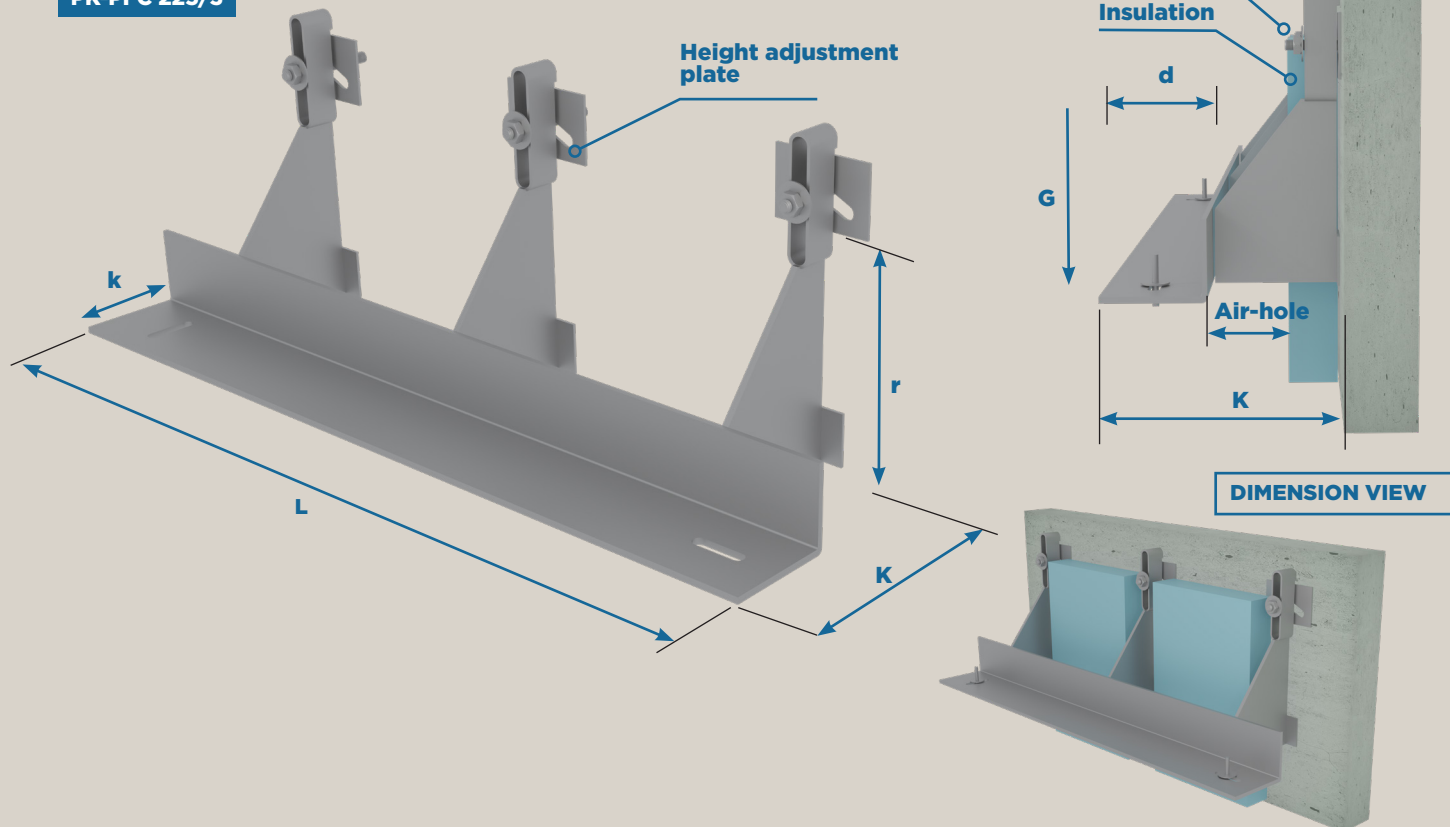
Marking: PFC 225/2V/ fixing point - console protrusion (K) / Base plate L - Loading (kN)

Example: PFC 225/2V-310/1600-7,0 kN V=300 mm

Scaling: Stratification =Insulation + ventail or wall-difference + d = thickness of the panel

PK-PFC 225/3 SUPPORT PROFILE-CONSOLE WITH 3 MODULES - FULL PANEL SUPPORT

PK-PFC 225/3



Type	Console protrusion K	Base plate L	Fixed height r	Loading capacity G	Anchor
PK-PFC 225/3	150 -250 mm	1700-3000 mm	200 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 225/3	260-350 mm		250 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 225/3	360-400 mm		300 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 225/3	410-500 mm		350 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205

Further dimensions according to additional sizing upon request.

Basic materials: According to claims 308 (1.4301) 316 Ti (1.4571) quality stainless steel

Complete fixing element: 1 pc PK-PFC 225/3 console, 3 pcs height adjustment plate

Fixing: The used anchors are according to the producer's technical datas

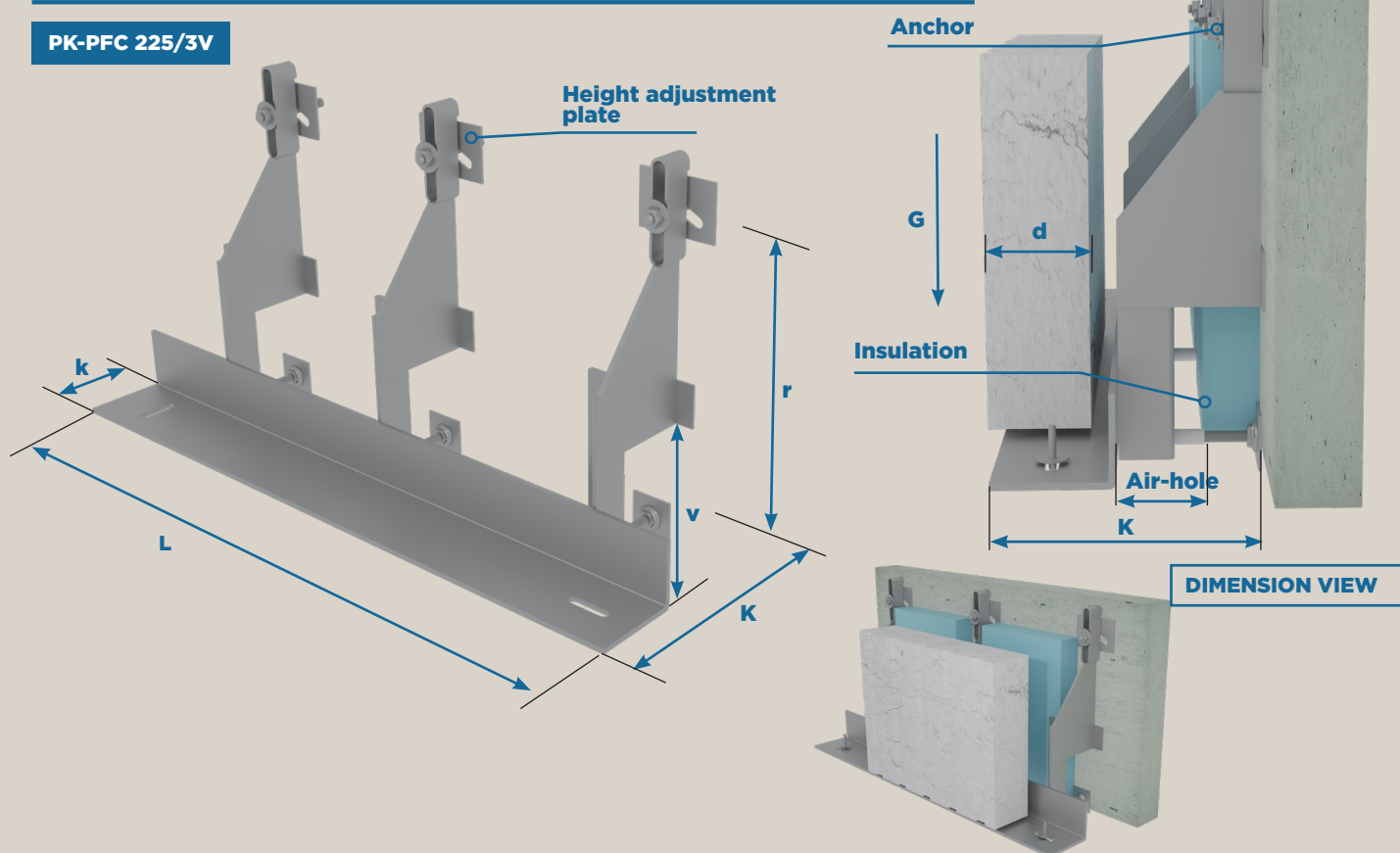
Marking: PK-PFC 225/3 fixing point - console protrusion (K) / Base plate L - Loading (kN)

Example: PK-PFC 225/3-310/2200-7,0 kN

Scaling: Stratification = Insulation + ventail or wall-difference + d = thickness of the panel

PK-PFC 225/3V SUSPENDED PROFILE-CONSOLE WITH 3 MODULES - FULL PANEL CORNERS

PK-PFC 225/3V



Type	Console protrusion K	Base plate L	Fixed height r	Loading capacity G	Anchor
PK-PFC 225/3V	150 -250 mm	1700-3000 mm	200 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 225/3V	260-350 mm		250 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 225/3V	360-400 mm		300 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 225/3V	410-500 mm		350 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205

Further dimensions according to additional sizing upon request.

Basic materials: According to claims 308 (1.4301) 316 Ti (1.4571) quality stainless steel

Complete fixing element: 1 pc PK-PFC 225/3V console, 3 pcs height adjustment plate

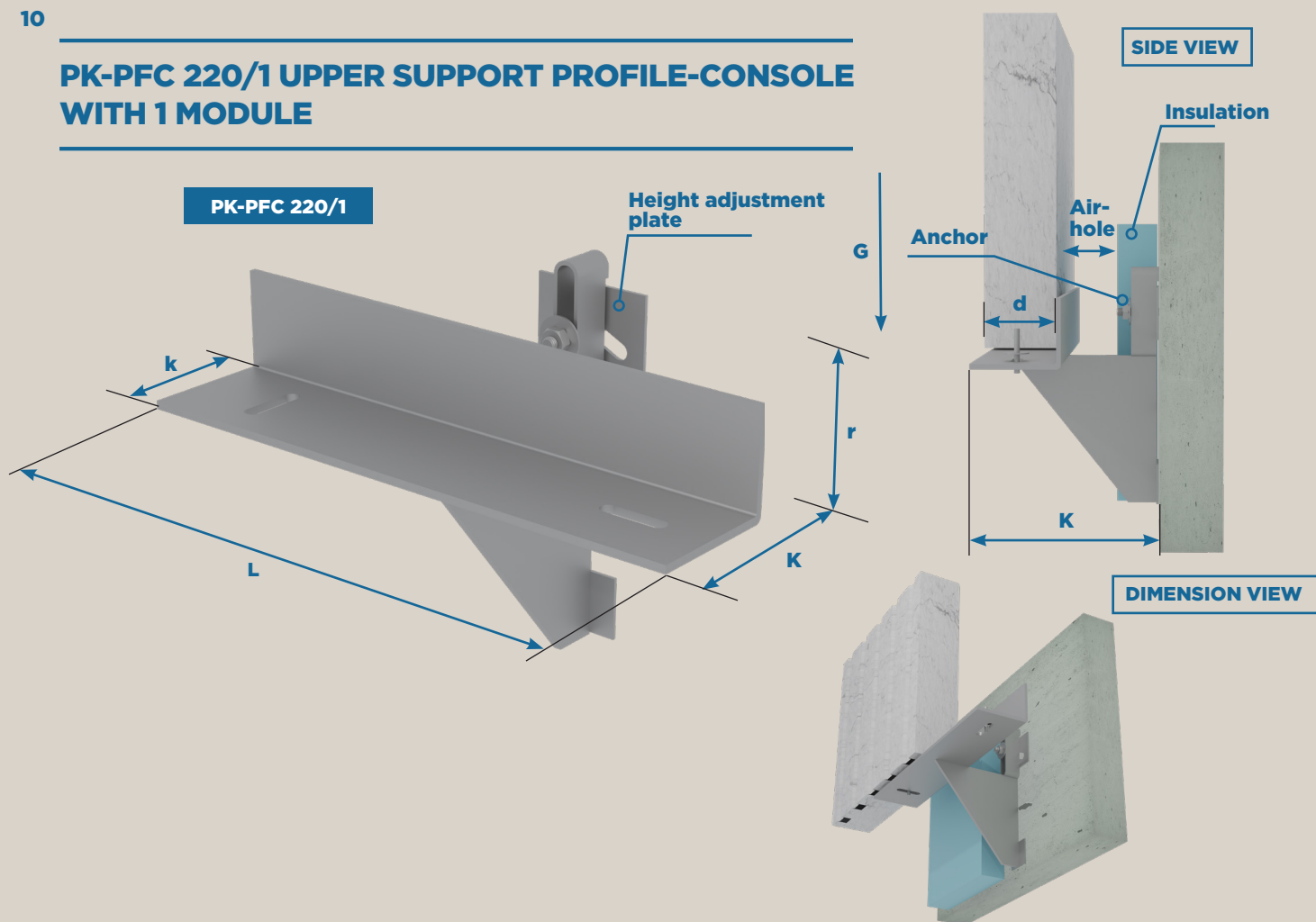
Fixing: The used anchors are according to the producer's technical datas

Marking: PK-PFC 225/3V fixing point - console protrusion (K) / Base plate L - Loading (kN)

Example: PK-PFC 225/3V-310/2500-7,0 kN V=300 mm

Scaling: Stratification =Insulation + ventail or wall-difference + d = thickness of the panel

PK-PFC 220/1 UPPER SUPPORT PROFILE-CONSOLE WITH 1 MODULE



Type	Console protrusion K	Base plate L	Fixed height r	Loading capacity G	Anchor
PK-PFC 220/1	150 -250 mm	200-400 mm	200 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 220/1	260-350 mm		250 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 220/1	360-400 mm		300 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 220/1	410-500 mm		350 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205

Further dimensions according to additional sizing upon request.

Basic materials: According to claims 308 (1.4301) 316 Ti (1.4571) quality stainless steel

Complete fixing element: 1 pc PK-PFC 220/1 console, 1 pc height adjustment plate

Fixing: The used anchors are according to the producer's technical datas

Marking: PK-PFC 220/1/ fixing point - console protrusion (K) / Base plate L - Loading (kN)

Example: PK-PFC 220/1-310/400-7,0 kN

Scaling: Stratification =Insulation + ventail or wall-difference + d = thickness of the panel

PK-PFC 220/2 UPPER SUPPORT PROFILE-CONSOLE WITH 2 MODULES

PK-PFC 220/2

Height adjustment plate

Insulation

Anchor

SIDE VIEW

DIMENSION VIEW

Type	Console protrusion K	Base plate L	Fixed height r	Loading capacity G	Anchor
PK-PFC 220/2	150 -250 mm	500-1600 mm	200 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 220/2	260-350 mm		250 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 220/2	360-400 mm		300 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205
PK-PFC 220/2	410-500 mm		350 mm	3,5 kN	M10x165
				7,0 kN	M12x185
				10,5 kN	M16x205

Further dimensions according to additional sizing upon request.

Basic materials: According to claims 308 (1.4301) 316 Ti (1.4571) quality stainless steel

Complete fixing element: 1 pc PK-PFC 220/2 console, 2 pcs height adjustment plate

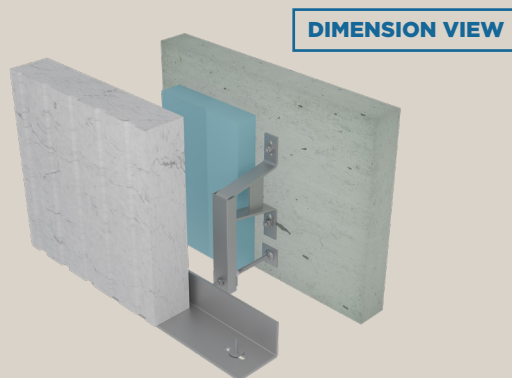
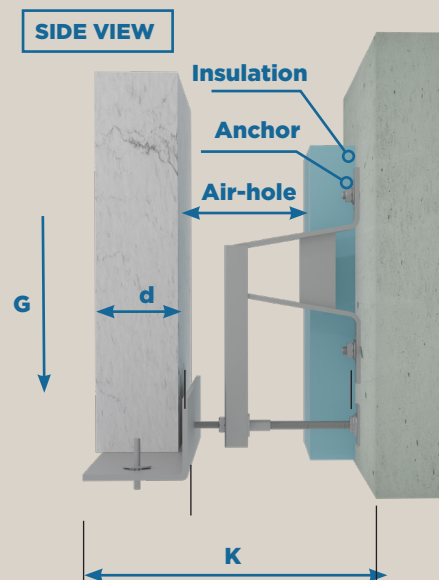
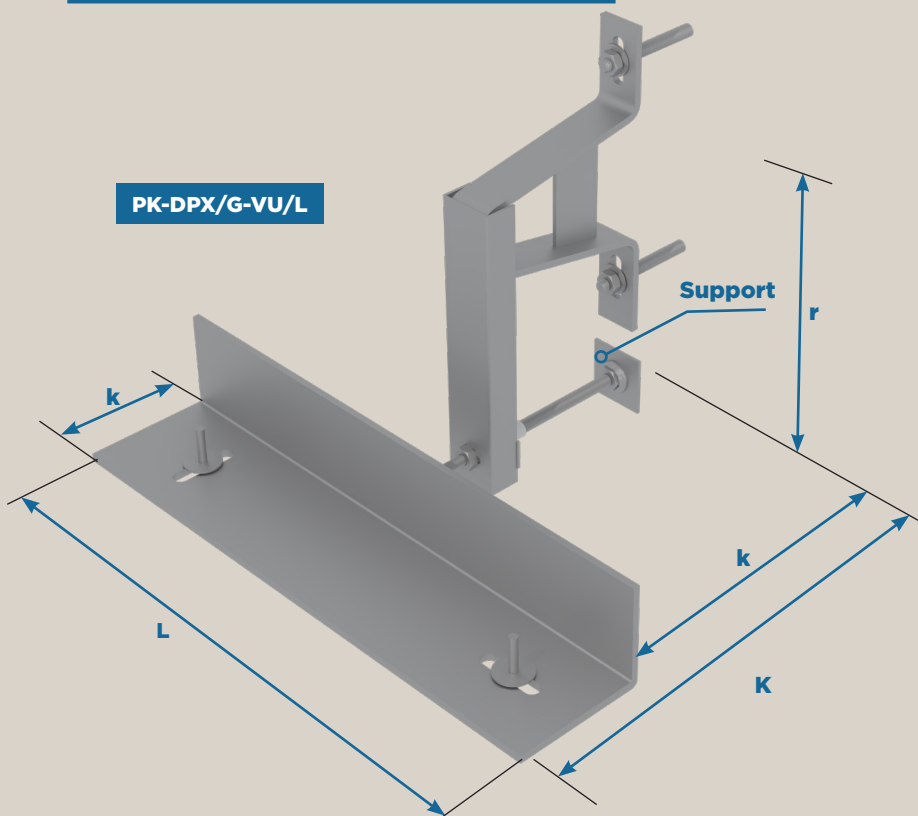
Fixing: The used anchors are according to the producer's technical datas

Marking: PK-PFC 220/2/ fixing point - console protrusion (K) / Base plate L - Loading (kN)

Example: PK-PFC 220/2-310/1600-7,0 kN

Scaling: Stratification =Insulation + ventail or wall-difference + d = thickness of the panel

PK-DPX/G-VU/L SUSPENDED WITH L PROFILE SUPPORTING U CLAMP



Type	Clamp size k (mm)	L profil	U profil lenght l (mm)	Loading capacity G	Anchor
PK-DPX/G-VU/L	80-120 mm	300-600	100-500	0,6 kN	M10x95
				0,75 kN	M12x115
				0,9 kN	M12x115
PK-DPX/G-VU/L	130-180 mm			0,6 kN	M10x95
				0,75 kN	M12x115
				0,9 kN	M12x115
PK-DPX/G-VU/L	190-250 mm			0,6 kN	M10x95
				0,75 kN	M12x115
				0,9 kN	M12x115
PK-DPX/G-VU/L	260-360 mm			0,6 kN	M10x95
				0,75 kN	M12x115
				0,9 kN	M12x115

Further dimensions according to additional sizing upon request.

Basic materials: According to claims 308 (1.4301) 316 Ti (1.4571) quality stainless steel

Complete fixing element: 1 pc PK-DPX/G-VU/L clamp

Fixing: The used anchors are according to the producer's technical datas

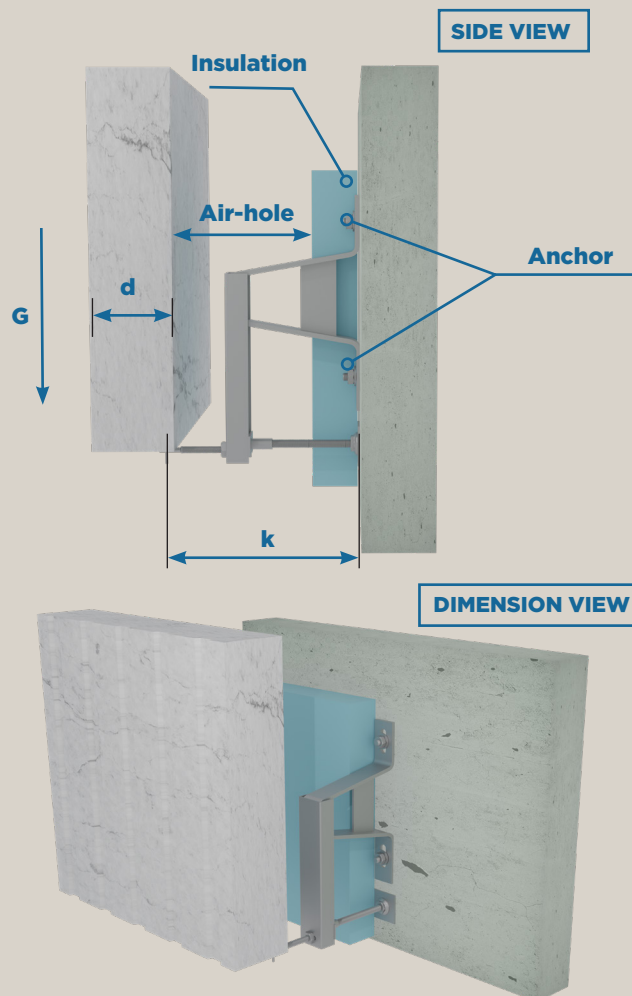
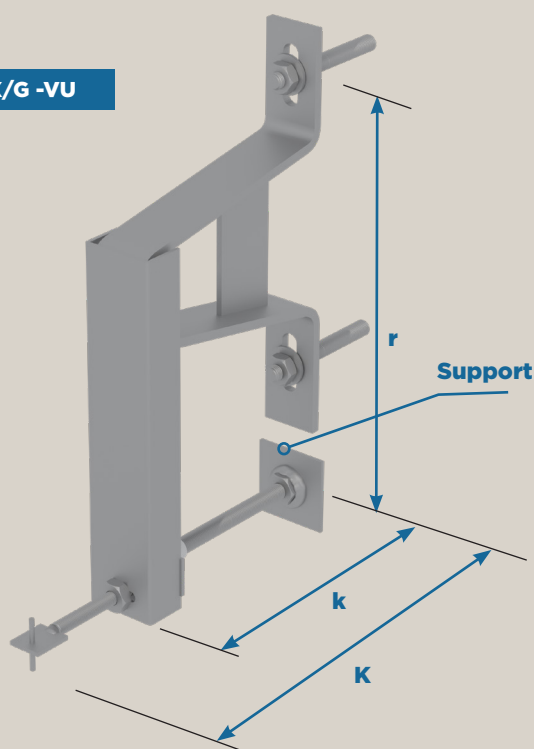
Marking: PK-DPX/G-VU/L/ fixing point - clamp size (k) / U profil lenght (L) - Loading (kN)

Example: PK-DPX/G-VU/L-310/500-7,0 kN

Scaling: Stratification = Insulation + ventail or wall-difference + d = thickness of the panel

PK-DPX/G-VU SUSPENDED SUPPORTING U CLAMP

PK-DPX/G -VU



Type	Clamp size k (mm)	Threaded bolt size (MxL/k)	U profil lenght l (mm)	Loading capacity G	Anchor
PK-DPX/G-VU	80-120 mm	M10x50-60	100-500	0,3 kN	M8x70
		M12x50-60		0,45 kN	M8x70
		M12x50-60		0,6 kN	M10x95
PK-DPX/G-VU	130-180 mm	M10x80-100		0,3 kN	M8x70
		M12x80-100		0,45 kN	M8x70
		M12x80-100		0,6 kN	M10x95
PK-DPX/G-VU	190-250 mm	M10x100-125		0,3 kN	M8x70
		M12x100-125		0,45 kN	M8x70
		M12x100-125		0,6 kN	M10x95
PK-DPX/G-VU	260-360 mm	M10x80-100		0,3 kN	M8x70
		M12x80-100		0,45 kN	M8x70
		M12x80-100		0,6 kN	M10x95

Further dimensions according to additional sizing upon request.

Basic materials: According to claims 308 (1.4301) 316 Ti (1.4571) quality stainless steel

Complete fixing element: 1 pc PK-DPX/G -VU clamp

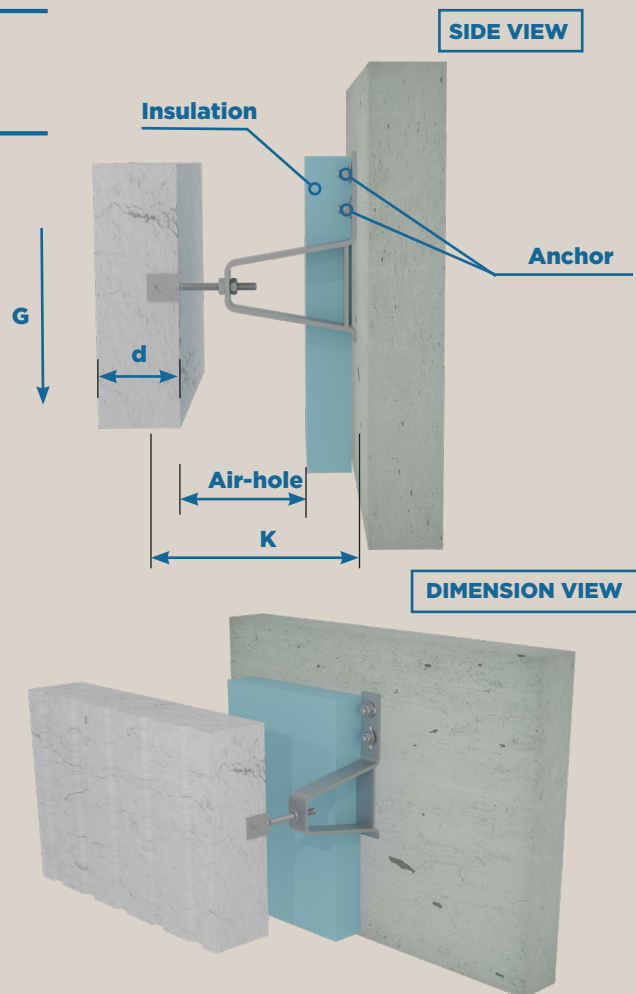
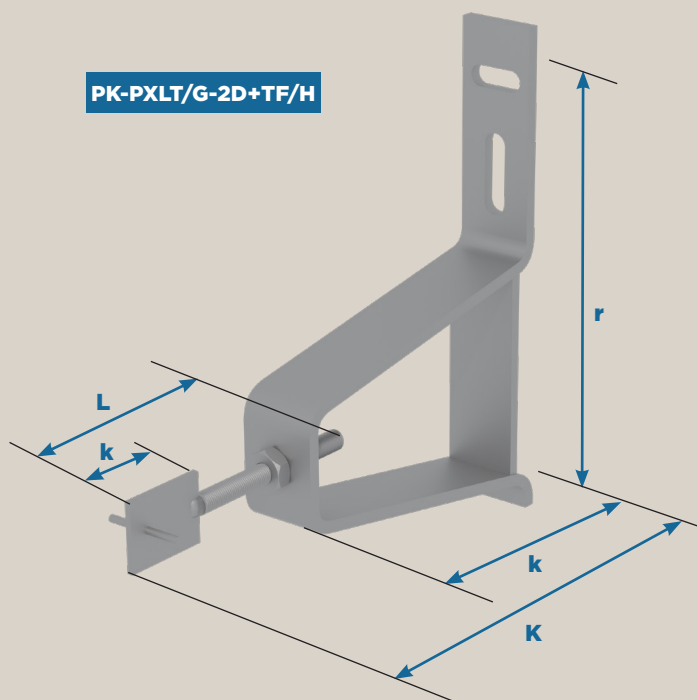
Fixing: The used anchors are according to the producer's technical datas

Marking: PK-DPX/G -VU/ fixing point - clamp size (k) / U profil lenght (L) - Loading (kN)

Example: PK-DPX/G -VU-310/300-7,0 kN

Scaling: Stratification =Insulation + ventail or wall-difference + d = thickness of the panel

PK-PXLT/G-2D+TF/H UPPER ANCHORING CLAMP - FOR VERTICAL GAP



Type	Clamp size k (mm)	Threaded bolt size (MxL/k)	Bore diameter (d) mm	Loading capacity G	Anchor
PK-PXLT/G-2D+TF/H	80-120 mm	M14x80-100/50	8,2	0,6-0,75 kN	M10x95
		M16x80-100/50	10,2	0,9-1,2 kN	M12x115
PK-PXLT/G-2D+TF/H	130-180 mm	M14x100-125/60	8,2	0,6-0,75 kN	M10x95
		M16x100-125/60	10,2	0,9-1,2 kN	M12x115
PK-PXLT/G-2D+TF/H	190-250 mm	M14x125-150/80	8,2	0,6-0,75 kN	M10x95
		M16x125-150/80	10,2	0,9-1,2 kN	M12x115
PK-PXLT/G-2D+TF/H	260-350 mm	M14x150-200/100	8,2	0,6-0,75 kN	M10x95
		M16x150-200/100	10,2	0,9-1,2 kN	M12x115

Further dimensions according to additional sizing upon request.

Basic materials: According to claims 308 (1.4301) 316 Ti (1.4571) quality stainless steel

Complete fixing element: 1 pc PK-PXLT/G-2D+TF/H anchoring clamp

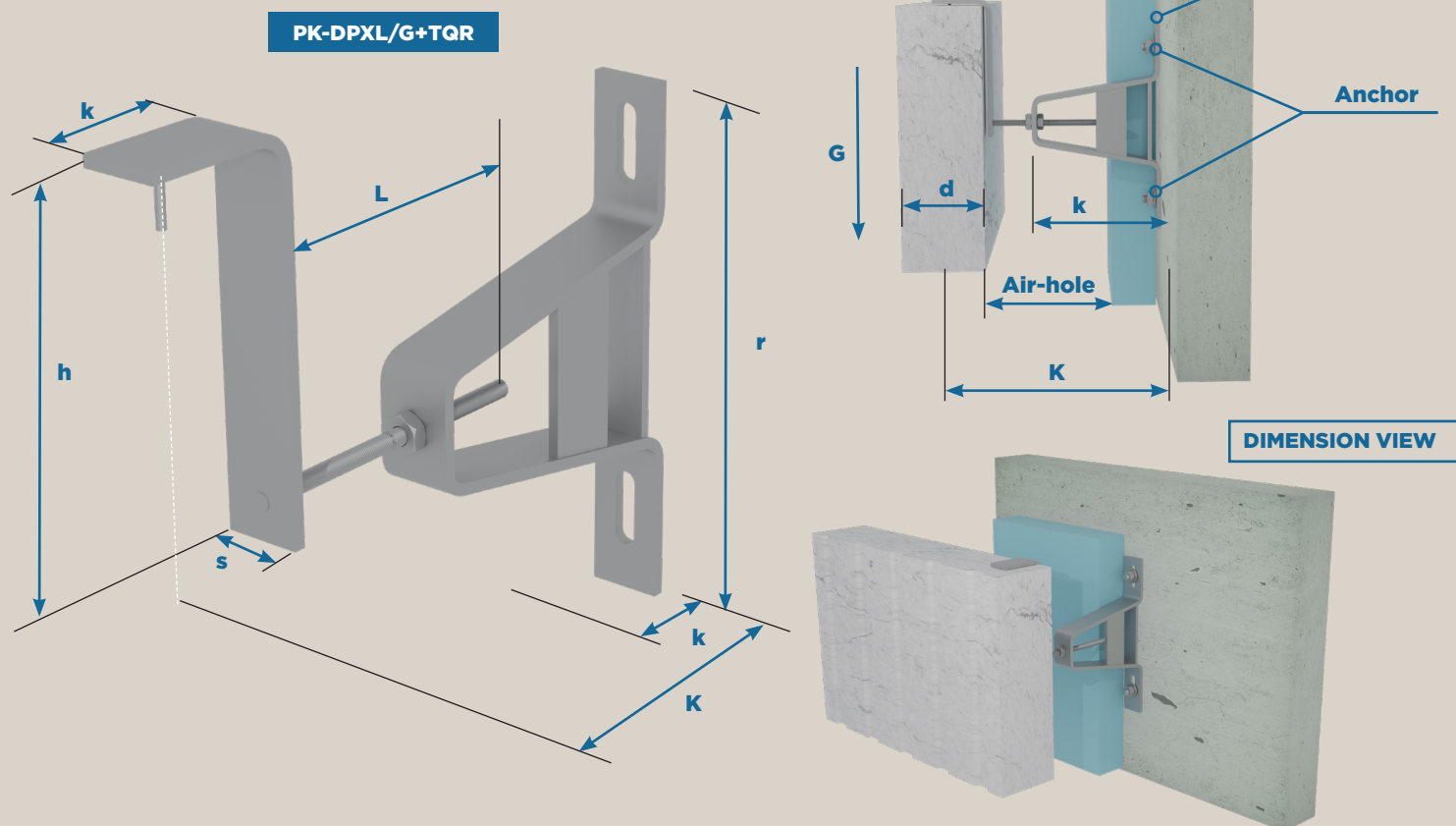
Fixing: The used anchors are according to the producer's technical datas

Marking: PK-PXLT/G-2D+TF/H/ - clamp size (k) / - Loading (kN) + TF/type Thread (M) x Thread lenght (l) /plate width (k) - bore diameter (d)

Example: PK-PXLT/G-2D+TF/H - 250/1,2kN+M16x200/100-10,2

Scaling: Stratification =Insulation + ventail or wall-difference + d = thickness of the panel

PK-DPXL/G+TQR UPPER ANCHORING CLAMP - FOR HORIZONTAL GAP



Type	Clamp size k (mm)	Support k (mm)	Hanging h (mm)	Plate width s (mm)	Thread lenght l (mm)	Bore diameter (d) mm	Loading capacity G	Anchor
PK-DPXL/G+TQR	80-120 mm	50-100	85-125	50-60	60-100	8,2	0,6-0,75 kN	M10x95
						10,2	0,9-1,2 kN	M12x115
PK-DPXL/G+TQR	130-180 mm					8,2	0,6-0,75 kN	M10x95
						10,2	0,9-1,2 kN	M12x115
PK-DPXL/G+TQR	190-250 mm					8,2	0,6-0,75 kN	M10x95
						10,2	0,9-1,2 kN	M12x115
PK-DPXL/G+TQR	260-350 mm					8,2	0,6-0,75 kN	M10x95
						10,2	0,9-1,2 kN	M12x115

Further dimensions according to additional sizing upon request.

Basic materials: According to claims 308 (1.4301) 316 Ti (1.4571) quality stainless steel

Complete fixing element: 1 pc PK-DPXL/G+TQR anchoring clamp

Fixing: The used anchors are according to the producer's technical datas

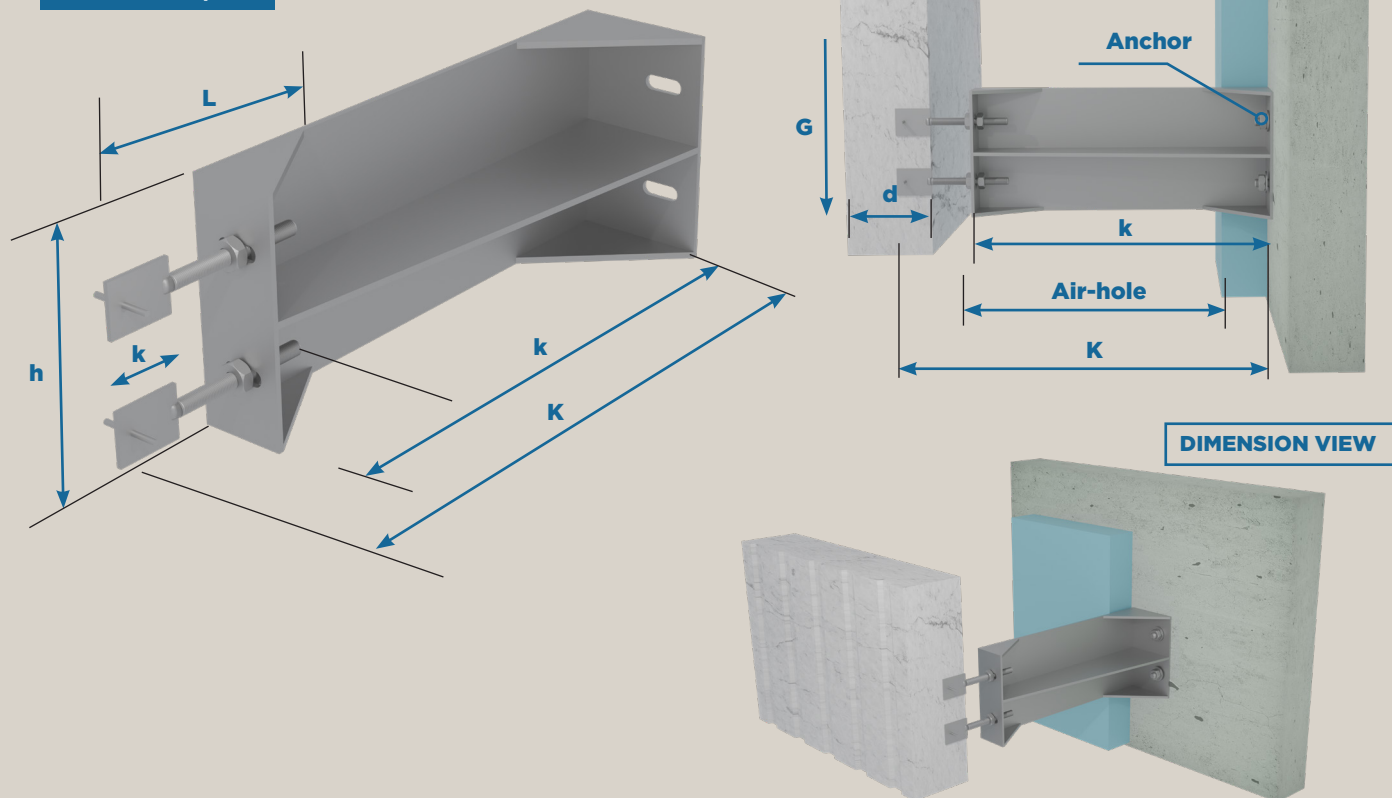
Marking: PK-DPXL/G+TQR - clamp size (k) / Loading (kN) + TQR Hanging (h)/Plate width (s)
- Thread lenght (l)/Support (k) - Bore diameter (d)

Example: PK-DPXL/G + TQR 260/1,2kN+TQR 100/60-M16x100/60-10,2

Scaling: Stratification =Insulation + ventail or wall-difference + d = thickness of the panel

PK-PTK EXTERNAL LEDGE CONSOLE WITH LARGE PROJECTION

PK-PTK+TF/H



Type	Console size k (mm)	Threaded bolt size (MxL/k)	Bore diameter (d) mm	Loading capacity G	Anchor
PK-PTK+TF/H	80-120 mm	M14x80-100/50	8,2	0,6-0,75 kN	M10x95
		M16x80-100/50	10,2	0,9-1,2 kN	M12x115
PK-PTK+TF/H	130-180 mm	M14x100-125/60	8,2	0,6-0,75 kN	M10x95
		M16x100-125/60	10,2	0,9-1,2 kN	M12x115
PK-PTK+TF/H	190-250 mm	M14x125-150/80	8,2	0,6-0,75 kN	M10x95
		M16x125-150/80	10,2	0,9-1,2 kN	M12x115
PK-PTK+TF/H	260-350 mm	M14x150-200/100	8,2	0,6-0,75 kN	M10x95
		M16x150-200/100	10,2	0,9-1,2 kN	M12x115

Further dimensions according to additional sizing upon request.

Basic materials: According to claims 308 (1.4301) 316 Ti (1.4571) quality stainless steel

Complete fixing element: 1 pc PK-PTK console + 2 pcs TF/H threaded bolt

Fixing: The used anchors are according to the producer's technical datas

Marking: PK-PTK + TF/H - console protrusion (k)/Loading (kN) + TF/type Thread (M) x Thread lenght (l) /plate width (k) - bore diameter (d)

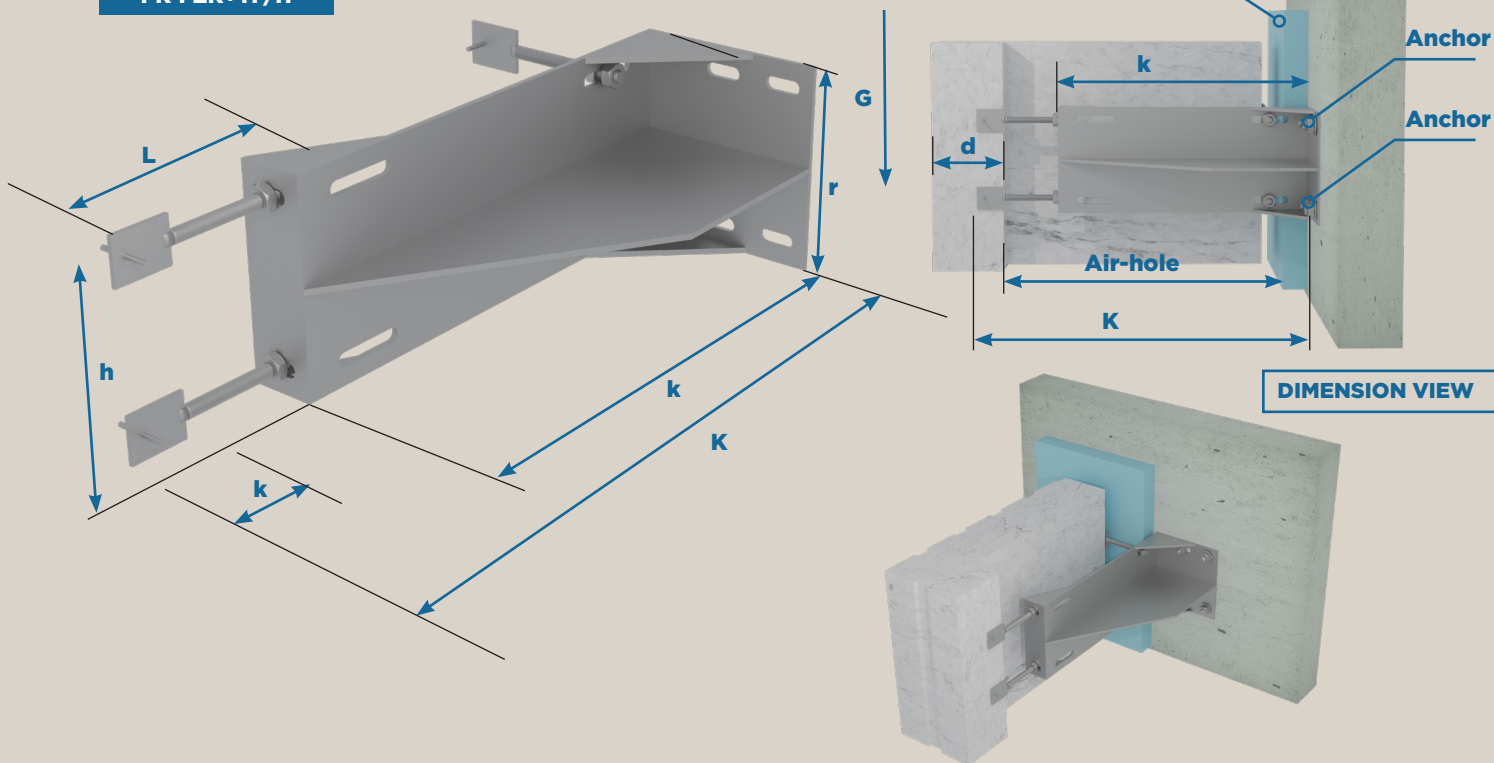
Example: PK-PTK 260/1,2kN+TF/H M16x150/200-10,2

Scaling: Stratification =Insulation + ventail or wall-difference + d = thickness of the panel

PK-PZK LEDGE CORNER CLOSING CONSOLE

SIDE VIEW

PK-PZK+TF/H



Type	Console size k (mm)	Threaded bolt size (MxL/k)	Bore diameter (d) mm	Loading capacity G	Anchor
PK-PZK+TF/H	80-120 mm	M14x80-100/50	8,2	0,6-0,75 kN	M10x95
		M16x80-100/50	10,2	0,9-1,2 kN	M12x115
PK-PZK+TF/H	130-180 mm	M14x100-125/60	8,2	0,6-0,75 kN	M10x95
		M16x100-125/60	10,2	0,9-1,2 kN	M12x115
PK-PZK+TF/H	190-250 mm	M14x125-150/80	8,2	0,6-0,75 kN	M10x95
		M16x125-150/80	10,2	0,9-1,2 kN	M12x115
PK-PZK+TF/H	260-350 mm	M14x150-200/100	8,2	0,6-0,75 kN	M10x95
		M16x150-200/100	10,2	0,9-1,2 kN	M12x115

Further dimensions according to additional sizing upon request.

Basic materials: According to claims 308 (1.4301) 316 Ti (1.4571) quality stainless steel

Complete fixing element: 1 pc PK-PZK console + 3 pcs TF/H threaded bolt

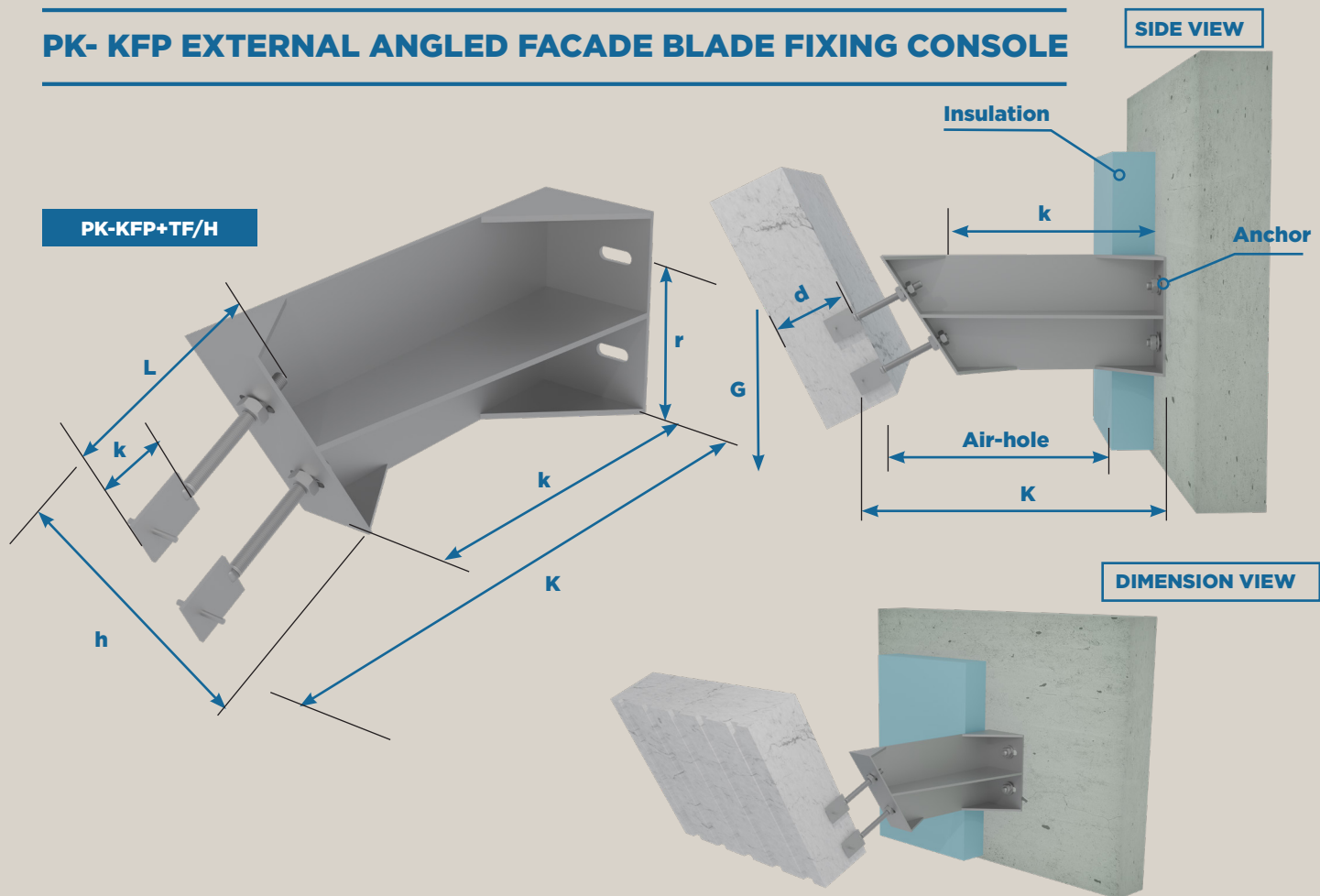
Fixing: The used anchors are according to the producer's technical datas

Marking: PK-PZK + TF/H - console protrusion (k)/Loading (kN) + TF/type Thread (M) x Thread lenght (L) /plate width (k) - bore diameter (d)

Example: PK-PZK 260/1,2kN+TF/H M16x150/200-10,2

Scaling: Stratification =Insulation + ventail or wall-difference + d = thickness of the panel

PK- KFP EXTERNAL ANGLED FACADE BLADE FIXING CONSOLE



Type	Console size k (mm)	Threaded bolt size (MxL/k)	Bore diameter (d) mm	Loading capacity G	Anchor
PK-KFP+TF/H	80-120 mm	M14x80-100/50	8,2	0,6-0,75 kN	M10x95
		M16x80-100/50	10,2	0,9-1,2 kN	M12x115
PK-KFP+TF/H	130-180 mm	M14x100-125/60	8,2	0,6-0,75 kN	M10x95
		M16x100-125/60	10,2	0,9-1,2 kN	M12x115
PK-KFP+TF/H	190-250 mm	M14x125-150/80	8,2	0,6-0,75 kN	M10x95
		M16x125-150/80	10,2	0,9-1,2 kN	M12x115
PK-KFP+TF/H	260-350 mm	M14x150-200/100	8,2	0,6-0,75 kN	M10x95
		M16x150-200/100	10,2	0,9-1,2 kN	M12x115

Further dimensions according to additional sizing upon request.

Basic materials: According to claims 308 (1.4301) 316 Ti (1.4571) quality stainless steel

Complete fixing element: 1 pc PK-KFP console + 2 pc TF/H threaded bolt

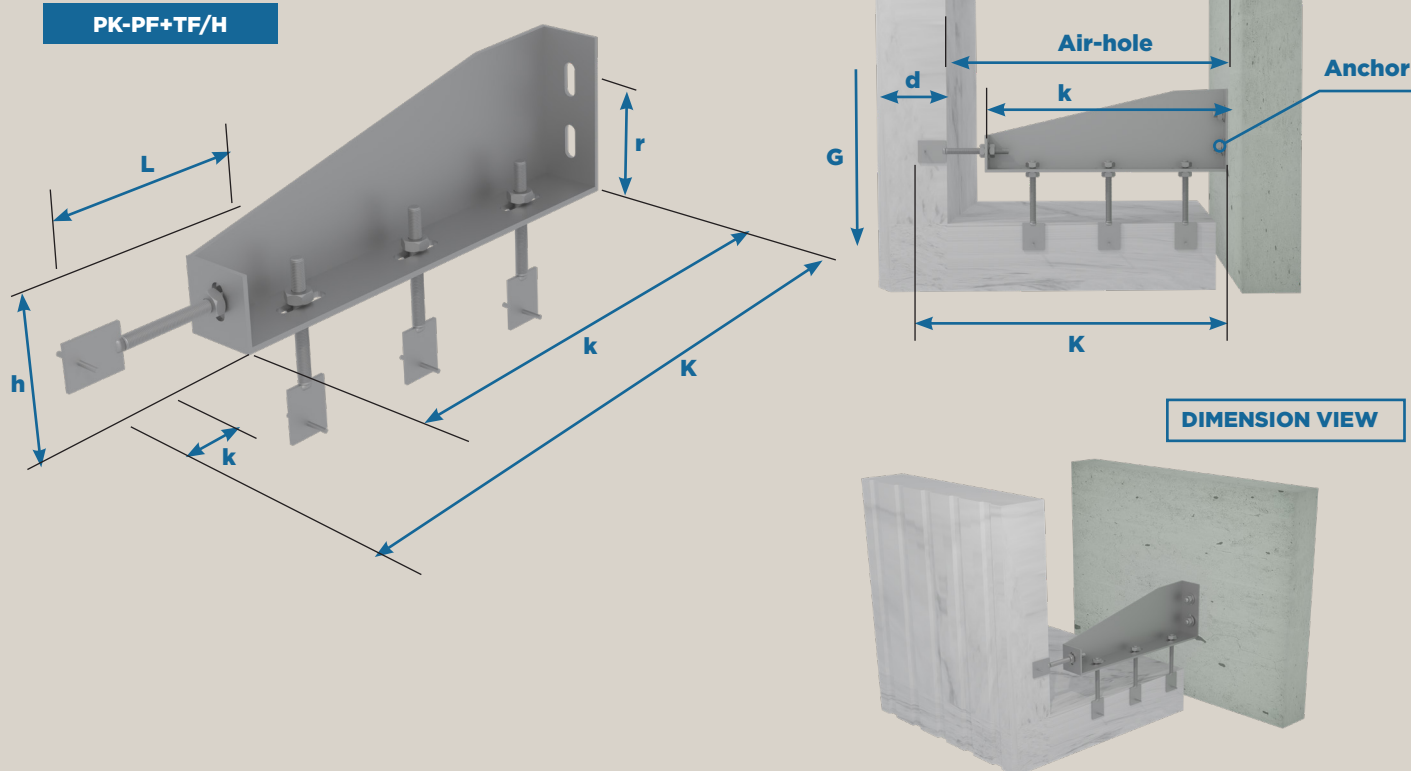
Fixing: The used anchors are according to the producer's technical datas

Marking: PK-KFP + TF/H - console protrusion (k)/Loading (kN) + TF/type Thread (M) x Thread lenght (l) /plate width (k) - bore diameter (d)

Example: PK-KFP 260/1,2kN + TF/H M16x150/200-10,2

Scaling: Stratification =Insulation + ventail or wall-difference + d = thickness of the panel

PK-PF CORNICE HANGING CORNER CONSOLE



Type	Console size k (mm)	Threaded bolt size (MxL/k)	Bore diameter (d) mm	Loading capacity G	Anchor
PK-PF+TF/H	80-120 mm	M14x80-100/50	8,2	0,6-0,75 kN	M10x95
		M16x80-100/50	10,2	0,9-1,2 kN	M12x115
PK-PF+TF/H	130-180 mm	M14x100-125/60	8,2	0,6-0,75 kN	M10x95
		M16x100-125/60	10,2	0,9-1,2 kN	M12x115
PK-PF+TF/H	190-250 mm	M14x125-150/80	8,2	0,6-0,75 kN	M10x95
		M16x125-150/80	10,2	0,9-1,2 kN	M12x115
PK-PF+TF/H	260-350 mm	M14x150-200/100	8,2	0,6-0,75 kN	M10x95
		M16x150-200/100	10,2	0,9-1,2 kN	M12x115

Further dimensions according to additional sizing upon request.

Basic materials: According to claims 308 (1.4301) 316 Ti (1.4571) quality stainless steel

Complete fixing element: 1 pc PK-PF console + 4 pc TF/H threaded bolt

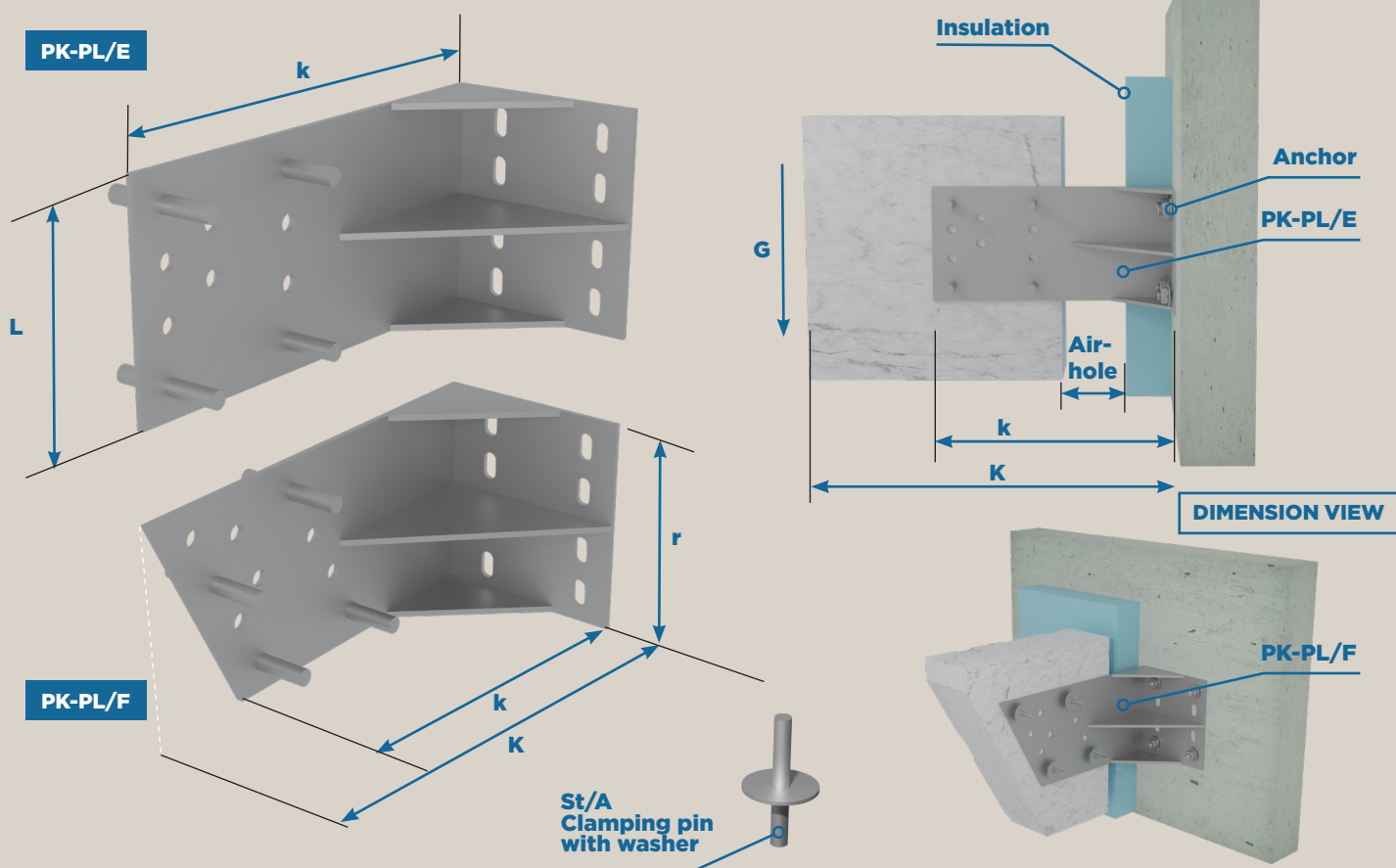
Fixing: The used anchors are according to the producer's technical datas

Marking: PK-PF + TF/H - console protrusion (k)/Loading (kN) + TF/type Thread (M) x Thread lenght (l) /plate width (k) - bore diameter (d)

Example: PK-PF 260/1,2kN + TF/H M16x150/200-10,2

Scaling: Stratification =Insulation + ventail or wall-difference + d = thickness of the panel

PK-PL CORNICE-CONSOLE



Type	Console size k (mm)	Clamping pin size	Bore diameter (d) mm	Loading capacity G	Anchor
PK-PL	80-120 mm	8x80	8,2	0,6-0,75 kN	M10x95
		10x100	10,2	0,9-1,2 kN	M12x115
PK-PL	130-180 mm	8x80	8,2	0,6-0,75 kN	M10x95
		10x100	10,2	0,9-1,2 kN	M12x115
PK-PL	190-250 mm	8x80	8,2	0,6-0,75 kN	M10x95
		10x100	10,2	0,9-1,2 kN	M12x115
PK-PL	260-350 mm	8x80	8,2	0,6-0,75 kN	M10x95
		10x100	10,2	0,9-1,2 kN	M12x115

Further dimensions according to additional sizing upon request.

Basic materials: According to claims 308 (1.4301) 316 Ti (1.4571) quality stainless steel

Complete fixing element: 1 pc PK-PL console

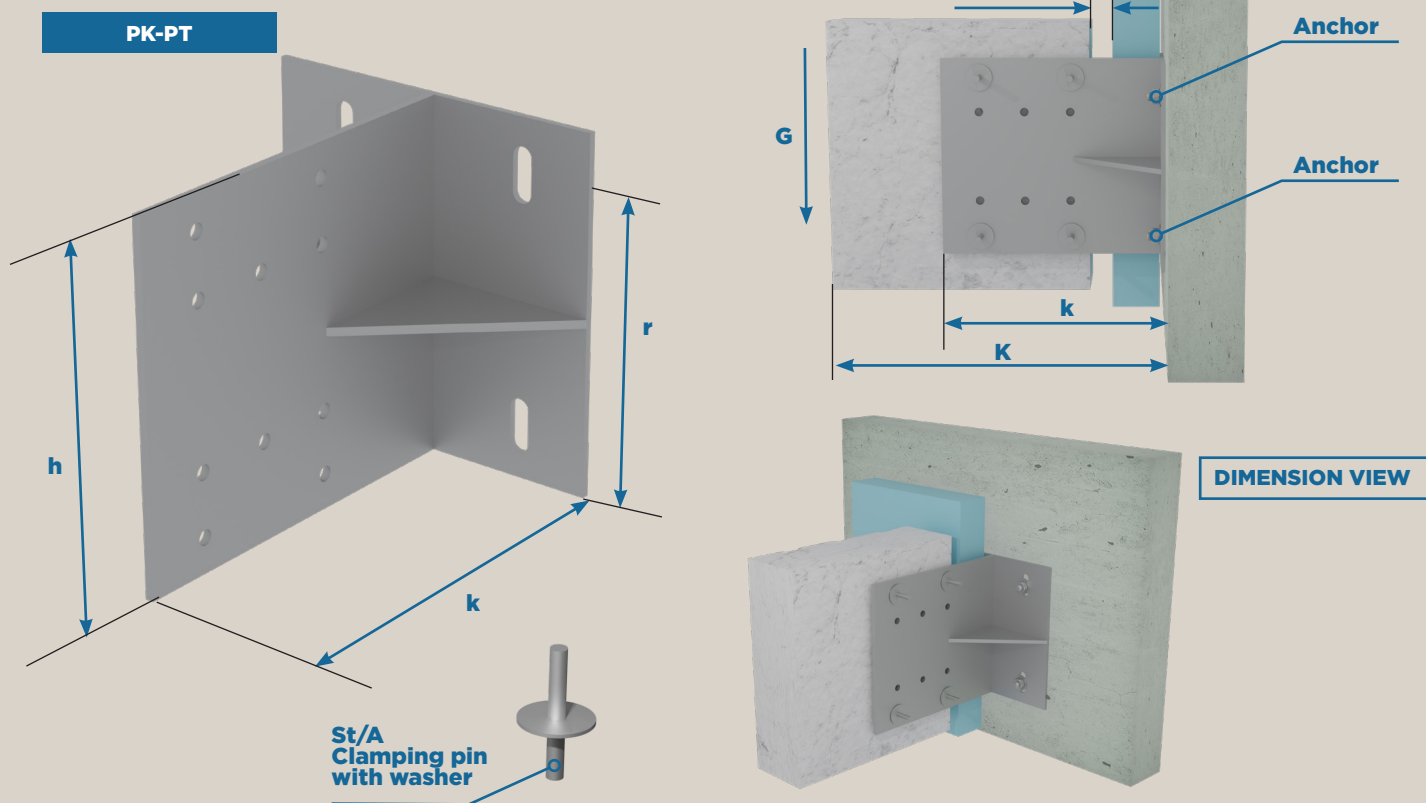
Fixing: The used anchors are according to the producer's technical datas

Marking: PK-PL +St/A console protrusion (k) + Clamping pin size

Example: PK-PL 260/1,2kN + St/A 10x100

Scaling: Stratification =Insulation + ventail or wall-difference + d = thickness of the panel

PK-PT CORNICE - BLADE CONSOLE



Type	Console size k (mm)	Clamping pin size	Bore diameter (d) mm	Loading capacity G	Anchor
PK-PT	80-120 mm	8x80	8,2	0,6-0,75 kN	M10x95
		10x100	10,2	0,9-1,2 kN	M12x115
PK-PT	130-180 mm	8x80	8,2	0,6-0,75 kN	M10x95
		10x100	10,2	0,9-1,2 kN	M12x115
PK-PT	190-250 mm	8x80	8,2	0,6-0,75 kN	M10x95
		10x100	10,2	0,9-1,2 kN	M12x115
PK-PT	260-350 mm	8x80	8,2	0,6-0,75 kN	M10x95
		10x100	10,2	0,9-1,2 kN	M12x115

Further dimensions according to additional sizing upon request.

Basic materials: According to claims 308 (1.4301) 316 Ti (1.4571) quality stainless steel

Complete fixing element: 1 pc PK-PT console

Fixing: The used anchors are according to the producer's technical datas

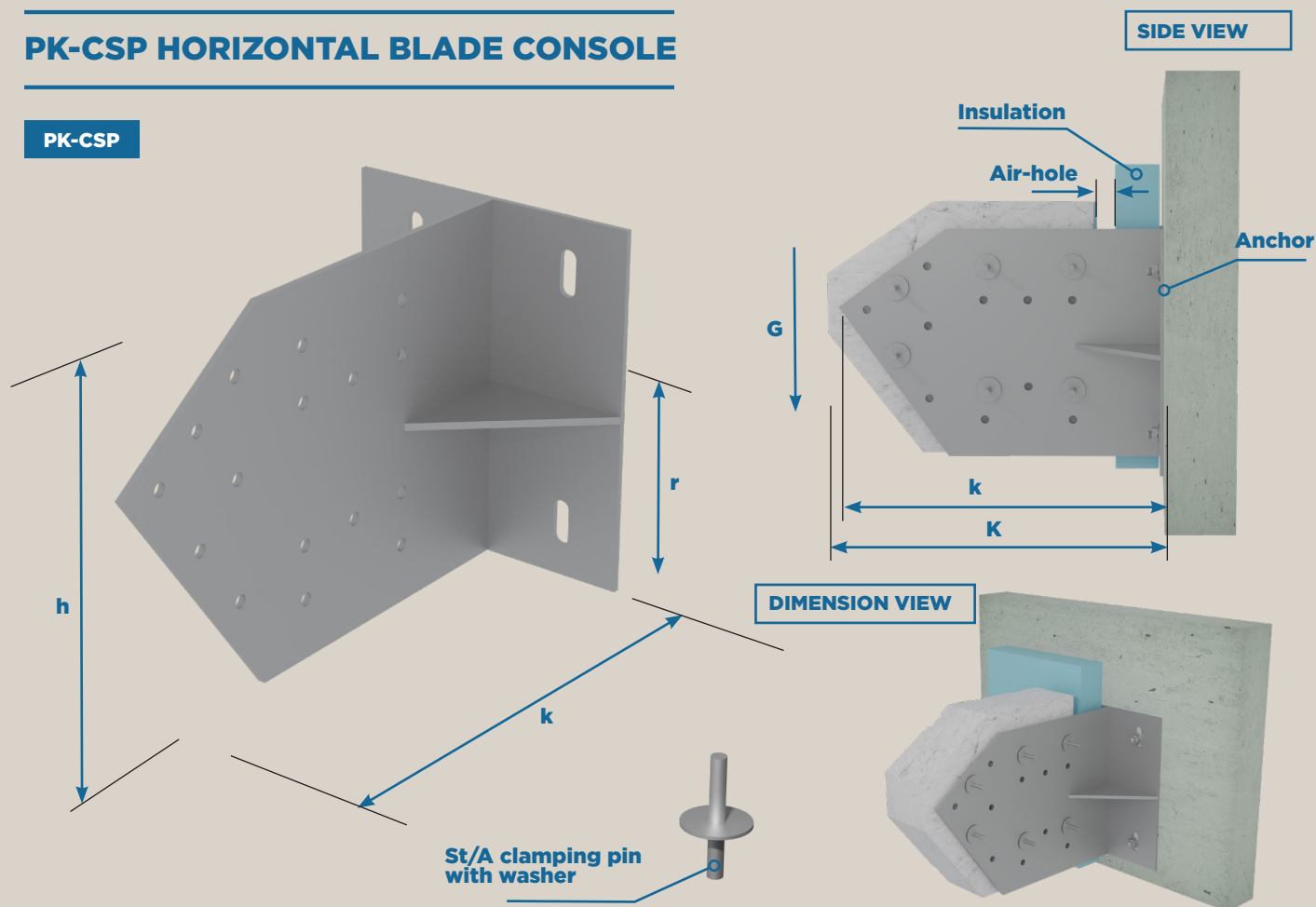
Marking: PK-PT +St/A console protrusion (k) + Clamping pin size

Example: PK-PT 260/1,2kN + St/A 10x100

Scaling: Stratification =Insulation + ventail or wall-difference + d = thickness of the panel

PK-CSP HORIZONTAL BLADE CONSOLE

PK-CSP



Type	Console size k (mm)	Clamping pin méret	Bore diameter (d) mm	Loading capacity G	Anchor
PK-CSP	80-120 mm	8x80	8,2	0,6-0,75 kN	M10x95
		10x100	10,2	0,9-1,2 kN	M12x115
PK-CSP	130-180 mm	8x80	8,2	0,6-0,75 kN	M10x95
		10x100	10,2	0,9-1,2 kN	M12x115
PK-CSP	190-250 mm	8x80	8,2	0,6-0,75 kN	M10x95
		10x100	10,2	0,9-1,2 kN	M12x115
PK-CSP	260-350 mm	8x80	8,2	0,6-0,75 kN	M10x95
		10x100	10,2	0,9-1,2 kN	M12x115

Further dimensions according to additional sizing upon request.

Basic materials: According to claims 308 (1.4301) 316 Ti (1.4571) quality stainless steel

Complete fixing element: 1 pc PK-CSP console

Fixing: The used anchors are according to the producer's technical datas

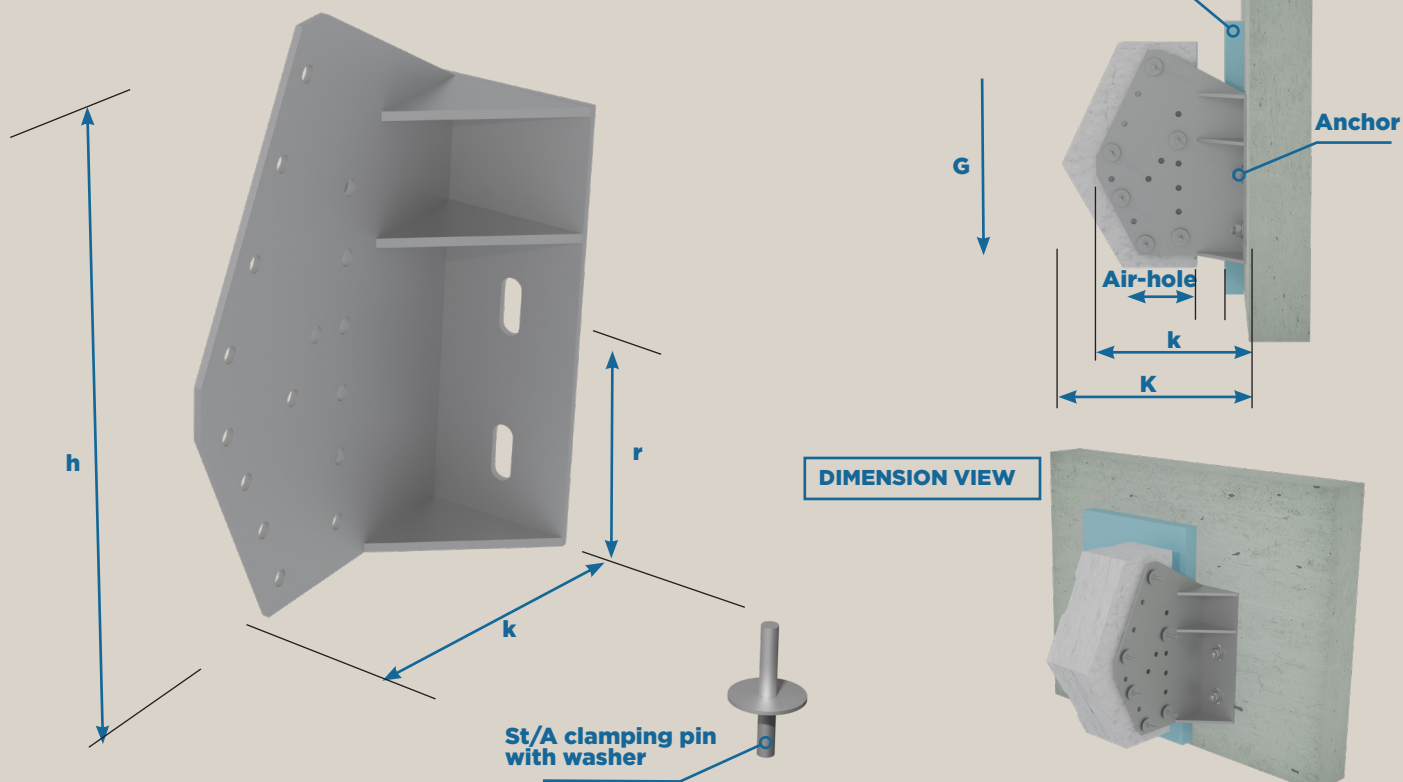
Marking: PK-CSP +St/A console protrusion (k) + Clamping pin size

Example: PK-CSP 260/1,2kN + St/A 10x100

Scaling: Stratification =Insulation + ventail or wall-difference + d = thickness of the panel

PK-PCS VERTICAL BLADE CONSOLE

PK-PCS



Type	Console size k (mm)	Clamping pin méret	Bore diameter (d) mm	Loading capacity G	Anchor
PK-PCS	80-120 mm	8x80	8,2	0,6-0,75 kN	M10x95
		10x100	10,2	0,9-1,2 kN	M12x115
PK-PCS	130-180 mm	8x80	8,2	0,6-0,75 kN	M10x95
		10x100	10,2	0,9-1,2 kN	M12x115
PK-PCS	190-250 mm	8x80	8,2	0,6-0,75 kN	M10x95
		10x100	10,2	0,9-1,2 kN	M12x115
PK-PCS	260-350 mm	8x80	8,2	0,6-0,75 kN	M10x95
		10x100	10,2	0,9-1,2 kN	M12x115

Further dimensions according to additional sizing upon request.

Basic materials: According to claims 308 (1.4301) 316 Ti (1.4571) quality stainless steel

Complete fixing element: 1 pc PK-PCS console

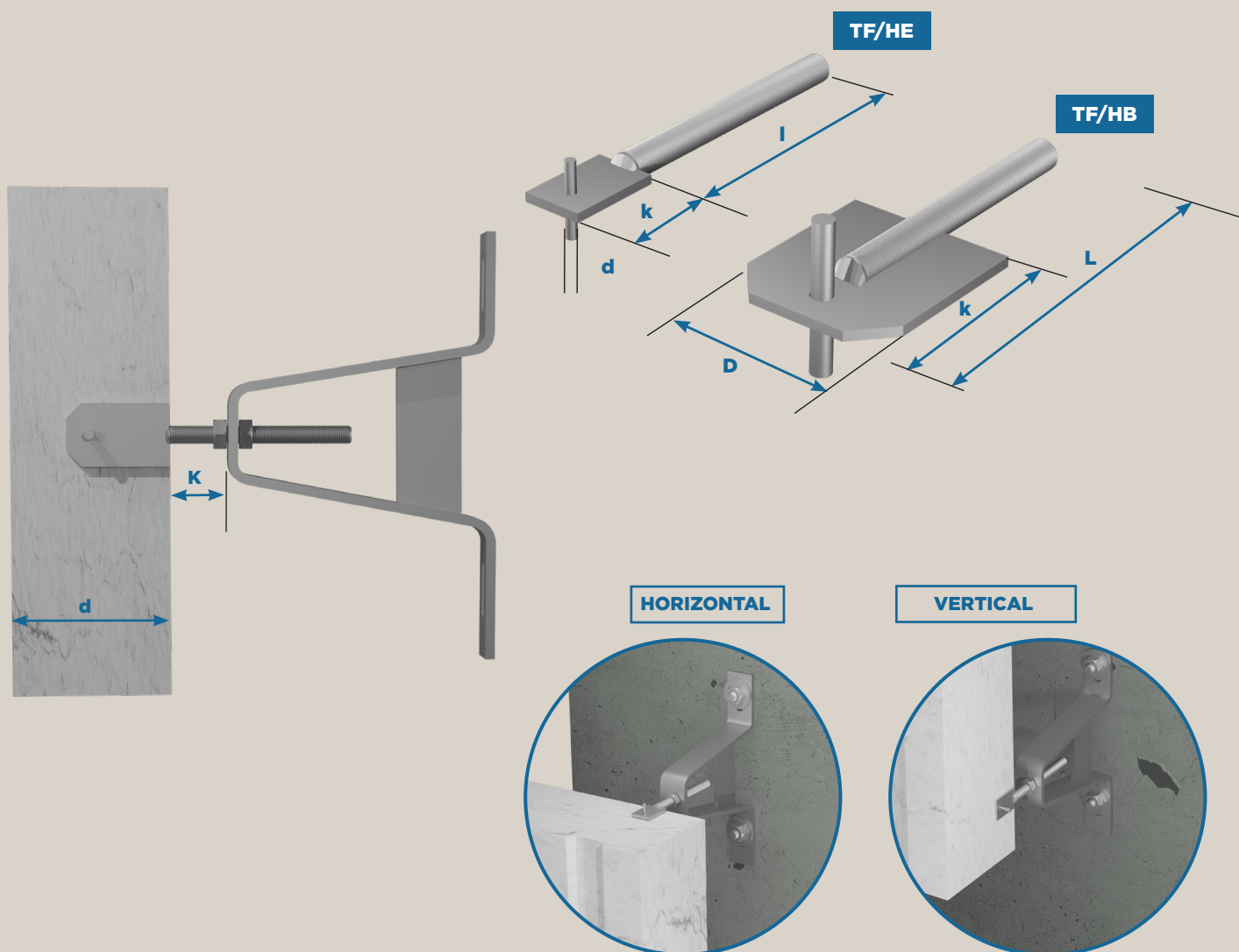
Fixing: The used anchors are according to the producer's technical datas

Marking: PK-PCS +St/A console protrusion (k) + Clamping pin size

Example: PK-PCS 260/1,2kN + St/A 10x100

Scaling: Stratification =Insulation + ventail or wall-difference + d = thickness of the panel

TF/H WELDED THREADED BOLT



Type	Thread (M)	Bolt lenght (k) mm	Max support (K) mm	Bore diameter (d) mm	Thread lenght (l) mm	Full lenght (L) mm
TF/H M14	M14	50-125	50-125	8,2	100-200	150-325
TF/H M16	M16	50-125	50-125	10,2	100-200	150-325

Further dimensions according to additional sizing upon request.

Basic materials: According to claims 308 (1.4301) 316 Ti (1.4571) quality stainless steel

Complete fixing element: 1 pc TF/H threaded bolt + 1 pc St clamping pin

Fixing: The used anchors are according to the producer's technical datas

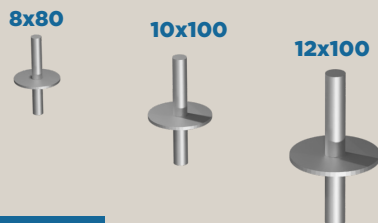
Marking: TF/type Thread (M) x Thread lenght (l) - plate lenght (H)/Plate width (s) d= Clamping pin

Example: TF/HB M16x125-100/50 d=10

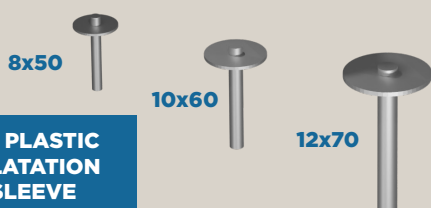
Scaling: Stratification =Insulation + ventail or wall-difference + d = thickness of the panel

ACCESSORIES

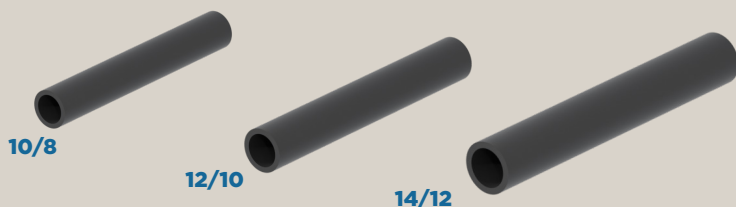
St/A



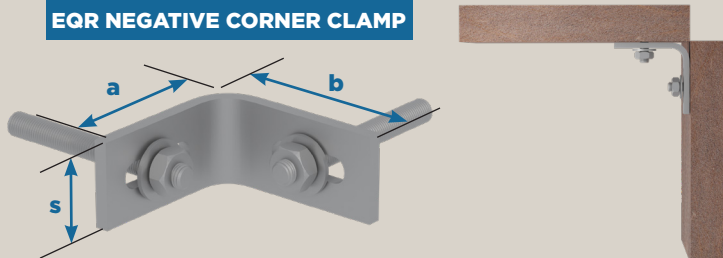
St/A-F



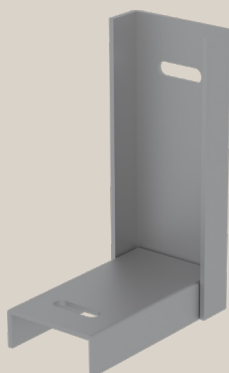
MF PLASTIC DILATATION SLEEVE



EQR NEGATIVE CORNER CLAMP



PK-UT



PK-UT/F



ST/A CLAMPING PIN

Type	Diameter (d) mm	Length (l) mm
St 8x80	8	80
St 10x100	10	100
St 12x120	12	120

St/A-F HALF CLAMPING PIN

Type	Diameter (d) mm	Length (l) mm
St 8x50	8	50
St 10x60	10	60
St 12x70	12	70

MF PLASTIC DILATATION SLEEVE (PP)

Type	Positive/Negative diameter (d)mm	Length (l) mm
MF 10/8	10/8	50-80
MF 12/10	12/10	60-100
MF 14/12	14/12	70-120

EQR NEGATIVE CORNER CLAMP

Type	Size (a/b) mm	width (s) mm
EQR 80/100	80/100	50
EQR 120/140	120/140	60

PK-UT LOWER SUPPORT STOOL

Type	Stool size (k)	Width (s)	Height (h)	Bore diameter	Anchor
PK-UT	80-200	50-100	100-300	6,2	M10x95 - M12x115
				8,2	
				10,2	

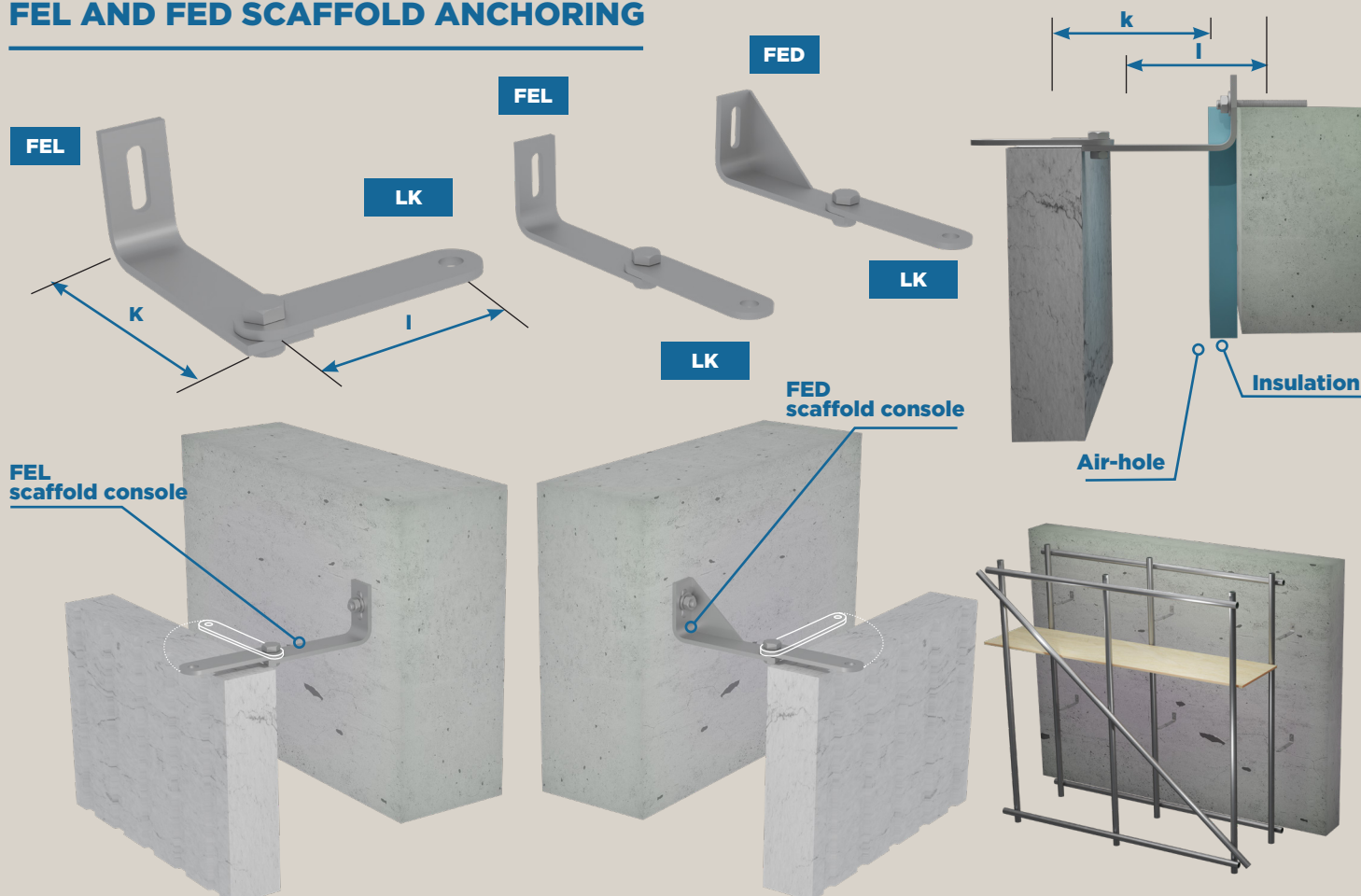
PK-UT/F UPPER ANCHORING STOOL

Type	Stool size (k)	Width (s)	Height (h)	Bore diameter	Anchor
PK-UTF	80-200	50-100	100-300	8,2	M10x95 - M12x115
				10,5	
				12,5	

Further dimensions according to additional sizing upon request.

Basic materials: According to claims 308 (1.4301) 316 Ti (1.4571) quality stainless steel

FEL AND FED SCAFFOLD ANCHORING



FEL scaffold inside-out console

Type	FK- wall console (K) mm	LK -scaffold inside-out plate (l) mm	Loading G (kN)	Anchor (Mxl)
FEL	180	140-250	2,0	M8x75
	200			
	220			
	240			
	260			

FED reinforced scaffold inside-out console

Type	FK- wall console (K) mm	LK -scaffold inside-out plate (l) mm	Loading G (kN)	Anchor (Mxl)
FED	180	140-250	3,0	M8x75
	200			
	220			
	240			
	260			

Further sizes according to claims, based on individual sizing.

Basic materials: According to claims 304 (1.4301) or 316 Ti (1.4571) quality stainless steel.

Complete fixing element consists: 1 pc FEL and FED complete element, 1 pc anchor, 1 pc Hlf M thread, 1 pc self-locking nut

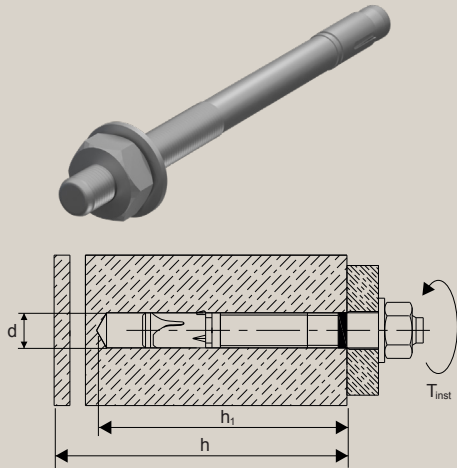
Marking: FEL size = FK (K) / LK (l) - Loading (kN)

Example: FEL 240/160 -2,0

Sizing: Stratification = isolation + blow-hole or difference of the wall + d = thickness of the panel

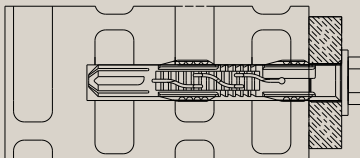
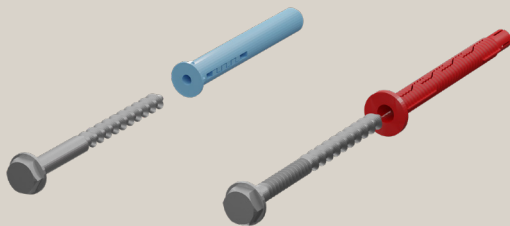
ANCHOR FIXING

EXPANSION ANCHOR

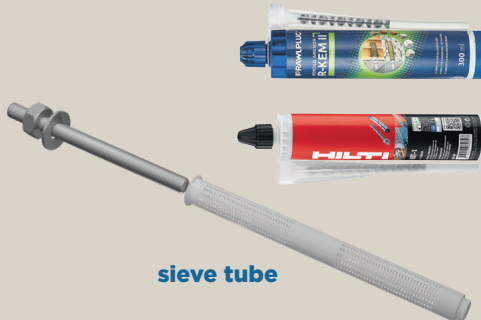


RAWL R-FF1

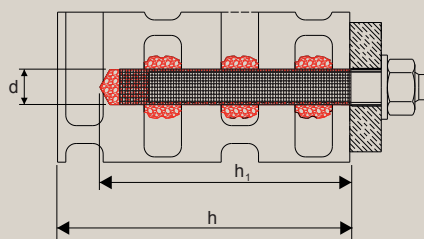
HILTI HRD-HR2



I/M DOWEL ROD + NUT + SIEVE TUBE



sieve tube



EXPANSION ANCHOR Solid masonry

Hilti-ETA 11/0374 + RAWL-ETA 17/0782

Type: Hilti + RAWL	HSA-R2	R-XPT	HSA-R2	R-XPT	HSA-R2	R-XPT
Anchor size	M8x70	M8x75	M10x83	M10x95	M12x115	M12x120
Tensile kN	5,9	7,5	8,3	12	12,3	25
Shearing kN	7,0	6,7	12,9	5,8	16,7	14,1
Drill bit d (mm)	8	8	10	10	12	12
Base material min. thickness h (mm)	40	47	50	59	65	68
Drill hole depthness h ₁ (mm)	100	100	120	120	140	140
Minimum spacing S _{min} (mm)	35	65	50	80	70	85
Minimum edge distance C _{min} (mm)	35	50	40	80	65	100
Torque moment T _{inst} (Nm)	21	22	48,6	45	76	72

PLASTIC ANCHOR WITH WOOD-SCREW Into hollow-brick or aerated concrete masonry

Hilti HRD ETA 07/0219 +
RAWL R-FF1 ETA 12/0398

Type: Hilti HRD-HR2 + R-FF1	HRD-HR2	R-FF1
Anchor size	M10x80-140	M10x100-160
Tensile kN / aerated concrete masonry	0,5-1,5	0,5-1,5
Shearing kN / aerated concrete masonry	0,8-1,6	1,0-1,8
Drill bit d (mm)	10	10
Base material min. thickness h (mm)	50-90	70-130
Drill hole depthness h ₁ (mm)	200	200
Minimum spacing S _{min} (mm)	100	100
Minimum edge distance C _{min} (mm)	100	100
Torque moment T _{inst} (Nm)	12	13,1

INJECTABLE USE Hollow or perforated masonry

Hilti HIT-1 ETA 17/0005 +
R-KEM ETA 21/0243

Type: Hilti HIT/ RAWL R-KEM	Hilti HIT-1	R-KEM	Hilti HIT-1	R-KEM	Hilti HIT-1	R-KEM
Anchor size	M8x90	M8x90	M10x110	M10x110	M12x135	M12x135
Tensile kN	2,0	2,5	2,5	3,5	3,5	4,0
Shearing kN	2,0	2,5	2,5	3,5	2,5	2,5
Drill bit d (mm)	12	12	16	16	16	16
Base material min. thickness h (mm)	200	200	200	200	200	200
Drill hole depthness h ₁ (mm)	80	80	135	135	135	135
Minimum spacing S _{min} (mm)	100	100	100	100	100	100
Minimum edge distance C _{min} (mm)	100	100	100	100	100	100
Torque moment T _{inst} (Nm)	4	4	4	4	4	4
Sieve tube size d x l (mm)	12x80	12x80	15x135	15x135	15x135	15x135

Further sizes according to claims, based on individual sizing.

Basic materials: According to claims 304 (1.4301) or 316 Ti (1.4571) quality stainless steel.

MOUNTING IN VERTICAL GAP

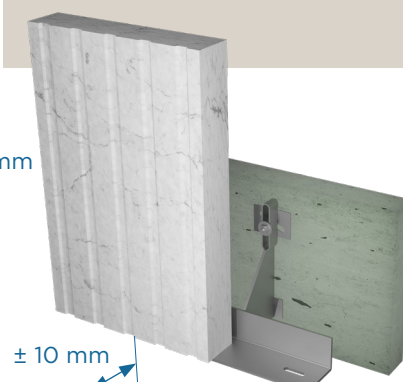
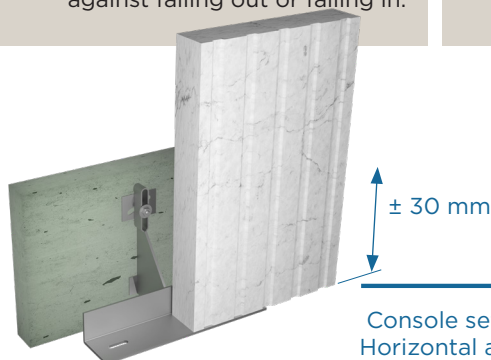


MOUNTING IN HORIZONTAL GAP



- 01.** Line up the openings and align the concrete panel rows after verifying the building dimensions.
- 02.** Cut an adequate size opening in the insulation material for the console elements; put it aside then reinsert the cut-out piece of the insulation after mounting.
- 03.** After marking, drill the levelled mounting points according to the anchor table, clean them and insert the mounting anchor into the bore-hole with the forced coupling suited to its type. The shortest distances between the edge and the bore-holes should be taken into consideration.
- 04.** Push the rear height adjustment shimming plate with tilted oval bore-hole onto the mounted anchor. Insert the console with the round washer and fix it with a nut. Fasten it with a torque wrench according to the specified value after final adjustment.
- 05.** Set the console holding the masonry roughly in a vertical plane then perform fine adjustment with the rear height adjustment plate by ± 30 mm. Check whether the corner plate of the console rests on the wall-face properly (at least 25 mm from the edge).
- 06.** The console can be adjusted by ± 10 mm over its support in a horizontal direction, vertical direction ± 30 mm.
- 07.** The mounting bore-holes in the concrete panel need to be placed at a distance at least 2.5 times the width of the concrete panel from its corner. Install the clamping pin in the bore-hole with the dilatation sleeve on one side and fill flexible sealing material in the bore-hole on the other side.
- 08.** Assemble the clamp with the threaded head bolt and position it up to the bore-hole of the ventail and the concrete panel width centreline, then slide the clamping pin into the threaded head bolt.
- 09.** Eliminate irregularities on the wall-face by turning the threaded head bolt in and out. Vertical setting is enabled by the oval mounting bore of the mounting clamp. The clamp may deviate from the vertical position (max 20°).
- 10.** For mounting in a horizontal interstice: the flagstones are loaded onto lower mounting elements, the upper half of the threaded head bolt and the clamping pin. The lower half of the clamping pin holds the concrete panel beneath against falling out or falling in.
- 11.** In a vertical interstice, insert the pin into the bore-holes drilled in the concrete panel side; the entire weight of the concrete panel is loaded on the lower clamp, while the top clamps hold it against falling in or out.
- 12.** Leave minimum 2 mm distance between the threaded head bolt and the bottom concrete panel; keep at least 5 mm distance for the entire course-joint gap for dilatation movements.

Console setting
Vertical adjustment: ± 10 mm



LOADING AND SIZING CONCERNING TO FRAME

LOAD HAVING AN INFLUENCE ON PANEL FACADE

SPECIFIC GRAVITY OF PANEL PLATE

Type	kN/m ³
Glass concrete	21,0
Concrete	22,5
Fine concrete	23,5
Artificial stone	24,0
Fiber-reinforced concrete	24,5

LOADING LEVELS ACCORDING TO COHERENT DATAS

Levels	I.	II.	III.
Console	3,5 kN	7,0 kN	10,5 kN
Anchor	M10x165	M12x185	M16x205

CALCULATING THE LOAD ON A CONSOLE

Spec.gravity of panel [kN/m³]

Thickness of panel [m] d

Air-hole [m] a

Height of panel plate [m] H

Length of loading [m] l

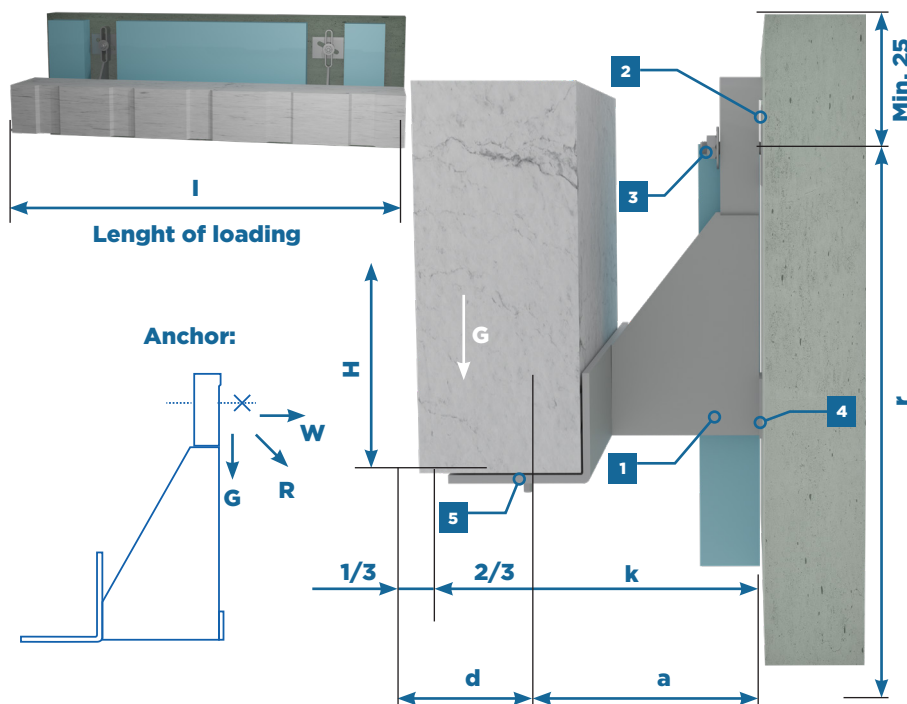
Fixed height [m] r

Protrusion of console [m] k

Loading of walling [kN] G

Resultant force [kN] R

Pull-out force [kN] W



NAMING THE PARTS OF THE CONSOLE

- 1 Console
- 2 Square washer-plate for high setting
- 3 Anchor with washer and nut
- 4 Corner-plate
- 5 Supporting

LOAD BEARING CONSOLE ELEMENT

$$G \text{ [kN]} = \gamma \text{ [m]} \times H \text{ [m]} \times l \text{ [m]}$$

LOAD BEARING FIXING ELEMENT:

For straight pull-out:

$$W \text{ [kN]} = (a \text{ [m]} + d/2 \text{ [m]}) \times G \text{ [kN]} / (r - 0,03 \text{ [m]}) - f \text{ [m]}$$

For angle pull-out: loading

$$R \text{ [kN]} = \sqrt{W^2 + G^2}$$

CALCULATION EXAMPLE

DATAS

Spec.gravity of panel plate 24,5 kN/m³

Thickness of panel plate d=0,08 m

Air-hole a=0,20 m

Height of panel plate H=2,80 m

Height of console h=0,25

Length of loading l=2,40 m

Fixed height r=0,22 m

Number of modules n= 3 pcs

CALCULATION

$$G = 24,5 \times 0,08 \times 2,80 \times 2,40 / 3 = 4,39 < 7,0 \text{ kN}$$

PK-PFC 225/3-240/2400-7,0 kN

CHOOSING OF FIXING ELEMENT

$$W = (0,20 + 0,08/2) \times 4,39 / (0,25 - 0,03) = 2,79 \text{ kN} < 11,5 \text{ kN}$$

$$\sqrt{R} = \sqrt{2,79^2 + 4,39^2} = 5,19 \text{ kN} < 12,0 \text{ kN}$$

Type: M12 injectable dowel rod

Per fixing points: 3,5-7,0-10,5 kN

Security factor: 3x f + EC-8 = 4 f

30 EU standards:

DIN EN 18515	Cladding for External walls
DNI EN 18516	Cladding for External walls - ventilated at rear
DIN 1053-1	Brickfacade specifications - former, withdrawn
DIN EN 1996-1-1 (EC-6)	Design of masonry structures - valid

EUROCODE	General standards	Standards	Stainless steel
EN 1990 EC	Basis of structural design	EN 10088	List of stainless steels
EN 1991 EC-1	Actions on structures	EN 1011	Recommendations for welding of stainless steel
EN 1993 EC-3	Design of steel structures	EN ISO 3506	Corrosion-resistant stainless steel fasteners
EN 1998 EC-8	Design of structures for earthquake resistance	EN 10163	Hot-rolled steel plates
EN 1999 EC-9	Design of aluminium structures		Aluminium structures
	Load bearing standards	EN 573	Aluminium and aluminium alloys
DIN EN 1045	Reinforced concrete structures	EN AW 6060	Mounting aluminium profiles
DIN EN 1055	Action on structures	EN AW 6060	Moulded aluminium profiles
EN 771	Hollow masonry units	EN AW 5754	Cold-rolled alloy sheets

1.	The ventilated panel plate facade is made with openly air vents.
2.	The thermal cross-section of the layered façade system satisfies the basic insulation and damp-proofing requirements, and creates an energy efficient, maintenance-free and aesthetic external look.
3.	The advantages of the ventilated facade cladding are its shading effect and its ventilation vents efficiency. The ability of the air vent to drain off moisture depends. On the height of the air column min. 30 mm. In order to equalize the vapour diffusion pressure, open horizontal and vertical joints are used.
4.	One of the prerequisites of the state-of-the-art architecture is the technical installation of elements in such a way that thermal expansion movements should take place without damage. Movements and forces due to different thermal loads are not transferred between the elements, the are equalised on the expansion joints.
5.	The datas of external and internal air-pressure are equalised by opened gap facade cracked air deffence. The water can not get into the isolation thraough the air-layer because of the almost same air-pressure, the rain floe along the internal surface of the panel plate slab it dries out due tot he ventilation.
6.	The advantage of the above metioned system is that is allows fast fixing of heavy & large panel plates
7.	All-one panel plate are supported at the bottom two (2) points through clamping pin with at least min. four (4) fixing clamping pin in the side hole and are flexibly anchored at the uppered two (2) points via rear wall clamps.
8.	For closed-gap facades , dilation sections must be created every 10-15 m2, in the horizontal direction per slab level, and in the vertical direction according to cardinal points, a joint with a width of at least 20 mm must be filled with a permanently flexible facade sealing material.
9.	An expansion joint of at least 5 mm must be created for facades with open joints . A gap of at least 2 mm must remain between the flattened head between the joints and the side of the panel slab next to it.
10.	The doors, windows and wall sections are at least 15 mm the gap next to.
11.	On the side of the panel side, the fixing holes must be filled with a sealing material or an expansion sleeve to avoid a dry connection, as the hole may wear out or tear out due to wind effects, on the other hand, if moisture gets into the hole, erosion processes can be initiated, in which case the panel plate will detach from the wall it can come off.
12.	In the case of panel plate narrower than 15 cm, the corner-stones must be attached perpendicularly to the adjacent panel plate with corner clamp.
13.	When selecting the clamp, the total loads associated with driving rain and wind loads must be taken into account.
14.	The clamps and fasteners are of stainless steel material quality, resistant to oxidation in the vapor diffusion medium.
15.	The facade panel plate cannot be loaded, only the external assembly installed in front of the constructions can be attached to the rear background masonry.
16.	All fixing elements to be installed must have the required certificates.





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FACADE MOUNTING TECHNOLOGY

+36 20 377 1361

+36 25 503 730

info@hrprefix.com

H-2400 Dunaújváros, Neumann János Street 7.

www.hrprefix.com