UNIVERSAL

R-KF2

UNIVERSAL ADHESIVE ANCHOR WITHOUT STYRENE
FOR MASONRY SUBSTRATES WITH STUDS

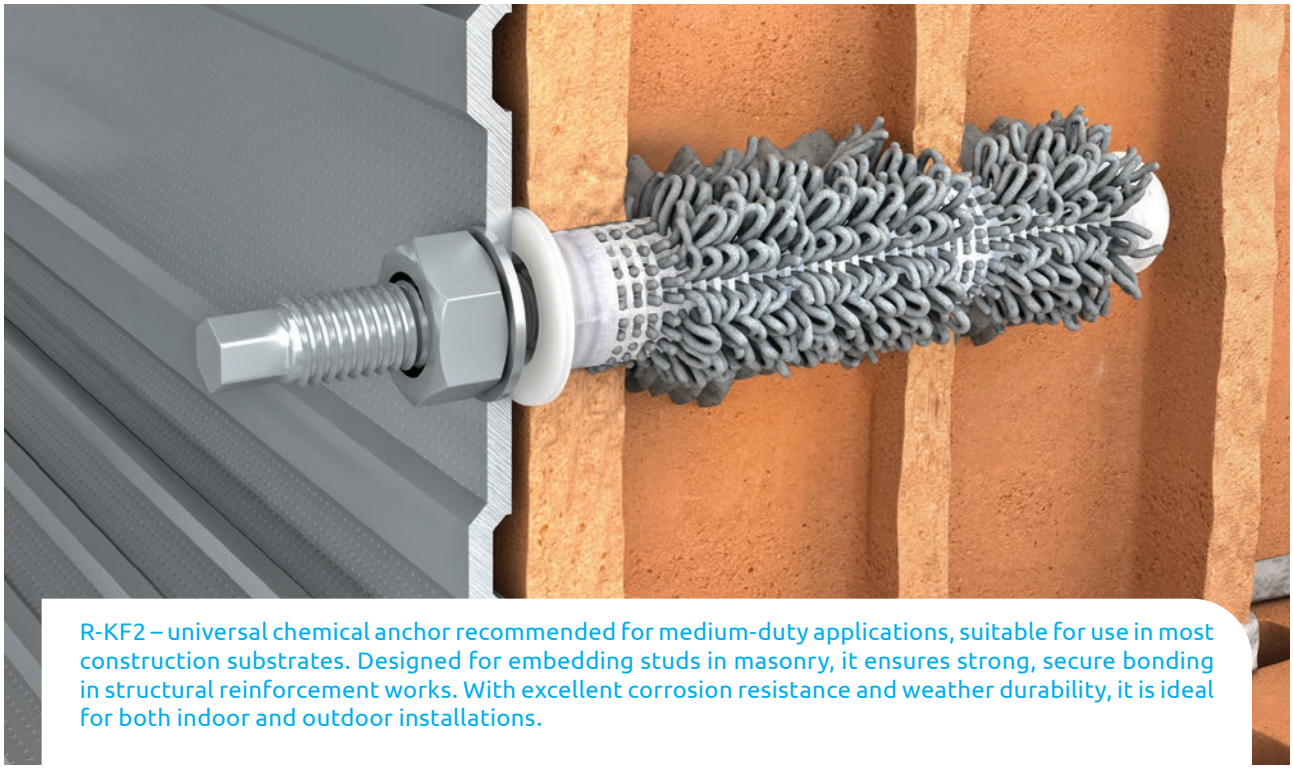
Universal chemical anchor designed for medium loads, for use in solid and hollow masonry substrates in combination with threaded metric rods.

FEATURES AND BENEFITS

- Available in a three versions with variable curing time
- Product with wide spectrum of use in the medium load capacity area
- Suitable for multiple use. Partly used product can be reused after fitting new nozzle
- Approved for many substrates
- Option of use standard manual silicone gun
- The most convenient bonded anchor for general pupose use
- Ideal for applications where mechanical anchors are not suitable
- Two colors - stone & gray

SUBSTRATES

- Solid brick
- Solid sandlime brick
- Hollow brick
- Hollow sandlime brick
- Hollow lightweight concrete block
- Solid concrete block
- Aerated concrete



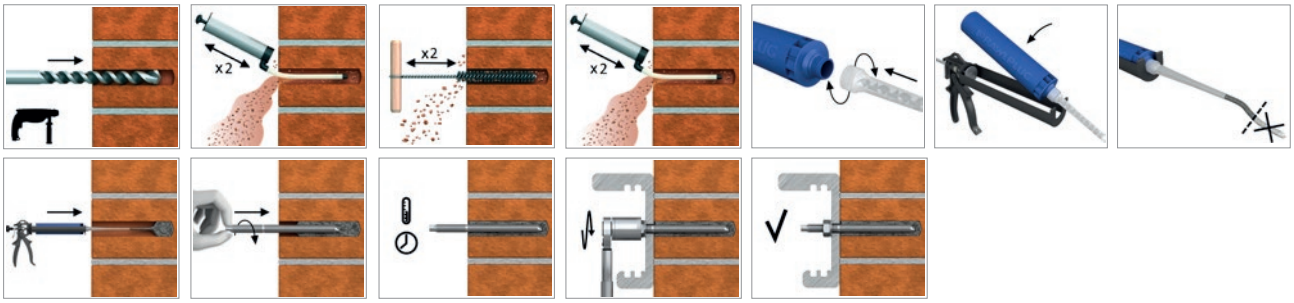
R-KF2 – universal chemical anchor recommended for medium-duty applications, suitable for use in most construction substrates. Designed for embedding studs in masonry, it ensures strong, secure bonding in structural reinforcement works. With excellent corrosion resistance and weather durability, it is ideal for both indoor and outdoor installations.

APPLICATIONS

- Balustrades
- Gates
- Handrails
- Sanitary and gas installations
- Steel structures
- Storage racks
- Canops
- Awnings

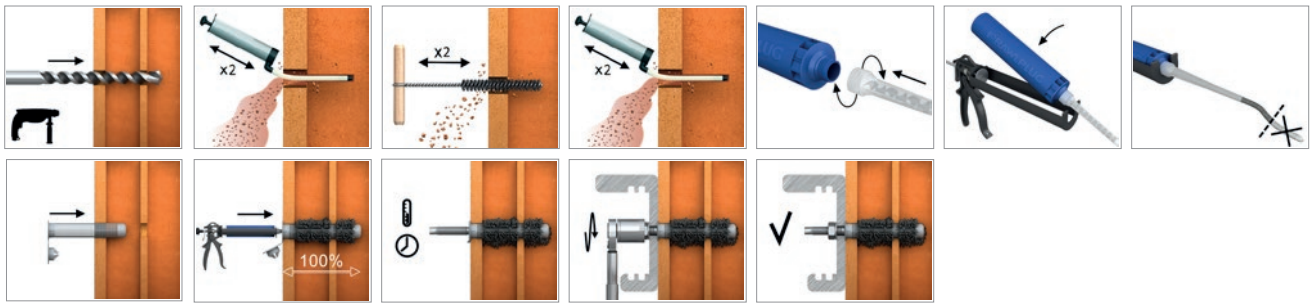
INSTALLATION GUIDE

SOLID WALLS



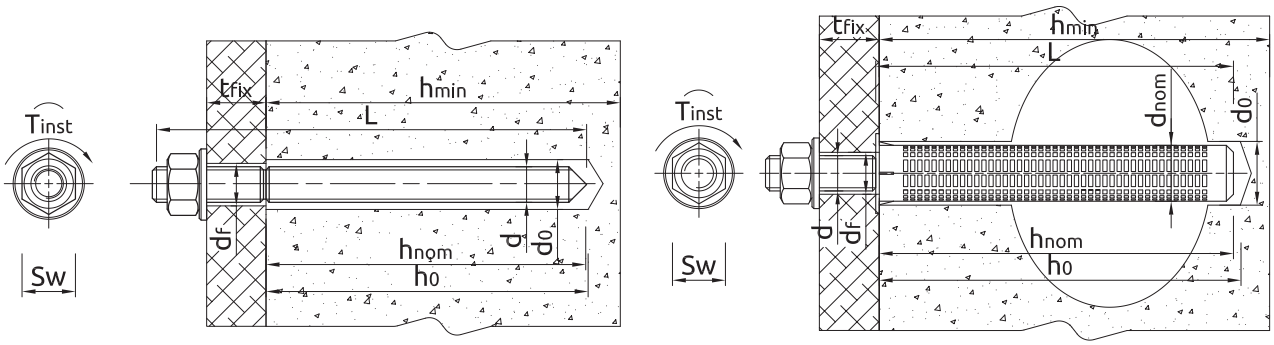
1. Drill a hole in hammer mode to the required diameter and depth.
2. Clean the hole using a pump and brush:
   - starting from the bottom of the hole, clean it with at least 2 air pumps using a hand pump;
   - clean the hole at least twice using an appropriate brush;
   - again, starting from the bottom, clean the hole with at least 2 more air pumps using a hand pump
3. Unscrew the cap and screw on the mixing nozzle.
4. Place the cartridge in the dispenser.
5. Dispense to waste until even colour is obtained (min. 10 cm), to mix the ingredients thoroughly.
6. Insert the mixer nozzle to the bottom of the drill hole and inject resin, slowly with drawing the nozzle as the hole is filled to 70% of its depth.
7. Immediately insert the stud, slowly and with slight twisting motion.
   After the resin has cured, remove any excess mortar from the surface of the substrate around the hole using a hammer.
8. Attach fixture and tighten the nut to the required torque. The applied installation torque cannot exceed $T_{inst,max.}$

HOLLOW WALLS



1. Drill a hole in hammer mode to the required diameter and depth.
2. Clean the hole using a pump and brush:
   - starting from the bottom of the hole, clean it with at least 2 air pumps using a hand pump;
   - clean the hole at least twice using an appropriate brush;
   - again, starting from the bottom, clean the hole with at least 2 more air pumps using a hand pump
3. Unscrew the cap and screw on the mixing nozzle.
4. Place the cartridge in the dispenser.
5. Dispense to waste until even colour is obtained (min. 10 cm), to mix the ingredients thoroughly.
6. Insert mesh sleeve into the hole.
7. Insert the mixer nozzle to the bottom of the drill hole and inject resin, slowly with drawing the nozzle as the hole is filled to 100% of its depth.
8. Immediately insert the stud, slowly and with slight twisting motion.
   After the resin has cured, remove any excess mortar from the surface of the substrate around the hole using a hammer.
9. Attach fixture and tighten the nut to the required torque. The applied installation torque cannot exceed $T_{inst,max.}$

INSTALLATION DATA



Installation data – aerated concrete (without mesh sleeve)

Size			M8	M10	M12	M16
Thread diameter	d	[mm]	8	10	12	16
Hole diameter in substrate	d_0	[mm]	10	12	14	18
Hole diameter in fixture	d_f	[mm]	9	12	14	18
Max. installation torque	T_{ist}	[Nm]	2	2	2	2
Min. installation depth	h_{ef}	[mm]	80	85	95	105
Min. hole depth in substrate	h_0	[mm]	85	90	100	110
Min. edge distance	c_{min}	[mm]	50	50	50	60
Min. spacing	s_{min}	[mm]	50	50	50	60

Installation data – solid masonry substrates (without mesh sleeve)

Size			M8	M10	M12	M16
Thread diameter	d	[mm]	8	10	12	16
Hole diameter in substrate	d_0	[mm]	10	12	14	18
Hole diameter in fixture	d_f	[mm]	9	12	14	18
Max. installation torque	T_{ist}	[Nm]	5	8	10	10
Min. installation depth	$h_{ef,min}$	[mm]	80	85	95	105
Max. installation depth	$h_{ef,max}$	[mm]	-	-	160	200
Min. hole depth in substrate	h_0	[mm]	h_{ef} + 5			
Min. edge distance	c_{min}	[mm]	50	50	50	60
Min. spacing	s_{min}	[mm]	50	50	50	60

Installation data – perforated masonry substrates (with mesh sleeve)

Size			M8	M10		M12		M16
Średnica gwintu	d	[mm]	8	10	10	12	12	16
Średnica otworu w podłożu	d_0	[mm]	12	16	16	16	16	20
Średnica otworu w elemencie mocowanym	d_f	[mm]	9	12	12	14	14	18
Max. moment dokręcania	T_{ist}	[Nm]	4	4	4	4	4	4
Min. głębokość zakotwienia	h_{ef}	[mm]	85	85	130	85	130	85
Rozmiar tulei siatkowej	d x L	[mm]	12 x 85	16 x 85	16 x 130	16 x 85	16 x 130	20 x 85
Min. głębokość otworu w podłożu	h_0	[mm]	90	90	135	90	135	90
Min. odległość od krawędzi	c_{min}	[mm]	100	100	100	100	100	120
Min. rozstaw	s_{min}	[mm]	100	100	100	100	100	120

MECHANICAL PROPERTIES

Size			M8	M10	M12	M16
R-STUDS METRIC THREADED RODS; GRADE 5.8						
Nominal ultimate tensile strength	f_{uk}	[N/mm²]	500	500	500	500
Nominal yield strength	f_{yk}	[N/mm²]	400	400	400	400
Cross sectional area	A_s	[mm²]	36,6	58,0	84,3	156,7
Elastic section modulus	W_{el}	[mm³]	31,2	62,3	109,1	276,6
Characteristic bending resistance	$M^0_{Rk,s}$	[Nm]	19,0	37,0	65,0	166,0
Design bending resistance	M	[Nm]	15,2	29,6	52,0	132,8
R-STUDS METRIC THREADED RODS; GRADE 8.8						
Nominal ultimate tensile strength	f_{uk}	[N/mm²]	800	800	800	800
Nominal yield strength	f_{yk}	[N/mm²]	640	640	640	640
Cross sectional area	A_s	[mm²]	36,6	58,0	84,3	156,7
Elastic section modulus	W_{el}	[mm³]	31,2	62,3	109,1	276,6
Characteristic bending resistance	$M^0_{Rk,s}$	[Nm]	30,0	60,0	105,0	266,0
Design bending resistance	M	[Nm]	24,0	48,0	84,0	212,8

MECHANICAL PROPERTIES

Size			M8	M10	M12	M16
R-STUDS METRIC THREADED RODS; GRADE A4-70						
Nominal ultimate tensile strength	f_{uk}	[N/mm²]	700	700	700	700
Nominal yield strength	f_{yk}	[N/mm²]	450	450	450	450
Cross sectional area	A_s	[mm²]	36,6	58,0	84,3	156,7
Elastic section modulus	W_{el}	[mm³]	31,2	62,3	109,1	276,6
Characteristic bending resistance	$M^0_{Rk,s}$	[Nm]	26,0	52,0	92,0	233,0
Design bending resistance	M	[Nm]	16,7	33,3	59,0	149,4

PROCESSING AND CURING TIME

R-KF2 (standard version)

Temperature of substrate	Max. processing time	Min. curing time
[°C]	[min]	[min]
-5 ÷ 0	22	480 (8h)
0 ÷ 5	14	240 (4h)
+5 ÷ +10	9	120 (2h)
+10 ÷ +15	5,5	90 (1,5h)
+15 ÷ +20	3,5	60
+20 ÷ +25	2	45
+25 ÷ +30	1,5	35
+30 ÷ +35	1	30
+35 ÷ +40	1	25

R-KF2-S (version for summer season)

Temperature of substrate	Max. processing time	Min. curing time
[°C]	[min]	[min]
-5 ÷ 0	70	1440 (24h)
0 ÷ +5	43	1080 (18h)
+5 ÷ +10	24	720 (12h)
+10 ÷ +15	15	480 (8h)
+15 ÷ +20	8	360 (6h)
+20 ÷ +25	6	240 (4h)
+25 ÷ +30	5,5	180 (3h)
+30 ÷ +35	4	90 (1,5h)
+35 ÷ +40	3,5	1h

R-KF2-W (version for swinter season)

Temperature of substrate	Max. processing time	Min. curing time
[°C]	[min]	[min]
-20 ÷ -15	45	1140 (24h)
-15 ÷ -10	32	1080 (18h)
-10 ÷ -5	22	480 (8h)
-5 ÷ 0	14	300 (5h)
0 ÷ +5	9	120 (2h)
+5 ÷ +10	6,5	60
+10 ÷ +15	4	45
+15 ÷ +20	2,5	30
+20 ÷ +25	1	15
+25 ÷ +30	45sec	15

Min. temperatura żywicy = 5˚C
Max. Temperatury żywicy = 25˚C

BASIC PERFORMANCE DATA

Performance data for single anchor without influence of edge distance and spacing.
Solid masonry substrates (without mesh sleeve)

Size		M8	M10	M12	M16	M8	M10	M12	M16
SOLID SUBSTRATES									
Embedment depth	[mm]	60	60	70	80	90	96	108	120
MEAN ULTIMATE LOAD									
		TENSION LOAD $N_{Ru,m}$				**SHEAR LOAD $V_{Ru,m}$**			
Solid clay brick Mz, 2DF min. 20MPa	[kN]	7,9	10,3	12,3	14,0	10,5	13,1	14,1	17,3
Clay masonry units min. 20MPa	[kN]	9,0	11,1	12,8	15,7	9,9	13,4	13,7	18,7
Solid silicate brick, 1DF min 20MPa	[kN]	11,0	14,6	15,3	18,2	11,6	14,6	18,3	23,7
Solid normal weight concrete brick Vbn, 1DF, min. 6MPa	[kN]	4,9	6,1	6,7	8,2	6,3	7,3	8,5	10,3
Solid blocks min. 7,5MPa	[kN]	7,0	8,0	8,8	9,6	7,0	8,5	10,0	13,9
Autoclaved aerated concrete AAC2 min. 2MPa	[kN]	2,0	2,7	2,9	-	1,7	2,3	2,8	-
Autoclaved aerated concrete AAC7 min. 6MPa	[kN]	4,9	5,1	6,4	-	6,3	7,2	7,1	-
Aggregate concrete min. 3,6MPa	[kN]	2,7	4,2	5,2	5,6	3,1	4,7	5,2	6,0
Aggregate concrete min. 7,3MPa	[kN]	4,7	6,5	8,4	9,4	5,7	7,8	8,8	10,8
CHARACTERISTIC LOAD									
		TENSION LOAD N_{Rk}				**OBCIĄŻENIE ŚCINAJĄCE V_{Rk}**			
Solid clay brick Mz, 2DF min. 20MPa	[kN]	6,5	8,5	10,0	11,5	10,0	13,0	14,0	17,0
Clay masonry units min. 20MPa	[kN]	7,5	9,0	10,5	13,0	9,5	13,0	13,5	18,5
Solid silicate brick, 1DF min 20MPa	[kN]	9,0	12,5	13,0	15,5	11,5	14,5	18,0	23,5
Solid normal weight concrete brick Vbn, 1DF, min. 6MPa	[kN]	4,0	5,0	5,5	7,0	6,0	7,0	8,0	10,0
Solid blocks min. 7,5MPa	[kN]	5,5	6,5	7,5	8,0	7,0	8,0	10,0	13,5
Autoclaved aerated concrete AAC2 min. 2MPa	[kN]	1,5	2,0	2,0	-	1,5	2,0	2,5	-
Autoclaved aerated concrete AAC7 min. 6MPa	[kN]	4,0	4,0	5,0	-	6,0	7,0	7,0	-
Aggregate concrete min. 3,6MPa	[kN]	2,0	3,5	4,0	4,5	3,0	4,5	5,0	5,5
Aggregate concrete min. 7,3MPa	[kN]	4,0	5,5	7,0	8,0	5,5	7,5	8,5	10,5

BASIC PERFORMANCE DATA

Performance data for single anchor without influence of edge distance and spacing.
Solid masonry substrates (without mesh sleeve)

Size		M8	M10	M12	M16	M8	M10	M12	M16
SOLID SUBSTRATES									
Embedment depth	[mm]	60	60	70	80	90	96	108	120
DESIGN LOAD									
		TENSION LOAD N_{Rd}				SHEAR LOAD V_{Rd}			
Solid clay brick Mz, 2DF min. 20MPa	[kN]	2,6	3,4	4,0	4,6	4,0	5,2	5,6	6,8
Clay masonry units min. 20MPa	[kN]	3,0	3,6	4,2	5,2	3,8	5,2	5,4	7,4
Solid silicate brick, 1DF min 20MPa	[kN]	3,6	5,0	5,2	6,2	4,6	5,8	7,2	9,4
Solid normal weight concrete brick Vbn, 1DF, min. 6MPa	[kN]	1,6	2,0	2,2	2,8	2,4	2,8	3,2	4,0
Solid blocks min. 7,5MPa	[kN]	2,2	2,6	3,0	3,2	2,8	3,2	4,0	5,4
Autoclaved aerated concrete AAC2 min. 2MPa	[kN]	0,8	1,0	1,0	-	0,8	1,0	1,3	-
Autoclaved aerated concrete AAC7 min. 6MPa	[kN]	2,0	2,0	2,5	-	3,0	3,5	3,5	-
Aggregate concrete min. 3,6MPa	[kN]	0,8	1,4	1,6	1,8	1,2	1,8	2,0	2,2
Aggregate concrete min. 7,3MPa	[kN]	1,6	2,2	2,8	3,2	2,2	3,0	3,4	4,2
RECOMMENDED LOAD									
		TENSION LOAD N_{Reec}				SHEAR LOAD V_{Rec}			
Solid clay brick Mz, 2DF min. 20MPa	[kN]	1,9	2,4	2,9	3,3	2,9	3,7	4,0	4,9
Clay masonry units min. 20MPa	[kN]	2,1	2,6	3,0	3,7	2,7	3,7	3,9	5,3
Solid silicate brick, 1DF min 20MPa	[kN]	2,6	3,6	3,7	4,4	3,3	4,1	5,1	6,7
Solid normal weight concrete brick Vbn, 1DF, min. 6MPa	[kN]	1,1	1,4	1,6	2,0	1,7	2,0	2,3	2,9
Solid blocks min. 7,5MPa	[kN]	1,6	1,9	2,1	2,3	2,0	2,3	2,9	3,9
Autoclaved aerated concrete AAC2 min. 2MPa	[kN]	0,5	0,7	0,7	-	0,5	0,7	0,9	-
Autoclaved aerated concrete AAC7 min. 6MPa	[kN]	1,4	1,4	1,8	-	2,1	2,5	2,5	-
Aggregate concrete min. 3,6MPa	[kN]	0,6	1,0	1,1	1,3	0,9	1,3	1,4	1,6
Aggregate concrete min. 7,3MPa	[kN]	1,1	1,6	2,0	2,3	1,6	2,1	2,4	3,0

Perforated masonry substrates (with mesh sleeve)

Size		M8	M10		M12		M16	M8	M10		M12		M16
PERFORATED AND HOLLOW SUBSTRATES													
Embedment depth	[mm]	85	85	130	85	130	85	85	85	130	85	130	85
Mesh sleeve size	[mm]	12 x 85	16 x 85	16 x 130	16 x 85	16 x 130	20 x 85	12 x 85	16 x 85	16 x 130	16 x 85	16 x 130	20 x 85
MEAN ULTIMATE LOAD													
		TENSION LOAD $N_{Ru,m}$						SHEAR LOAD $V_{Ru,m}$					
Hollow Aggregate Concrete min. 7,3MPa	[kN]	3,7	5,6	5,9	6,7	6,4	-	3,9	6,2	6,5	6,4	7,7	-
Hollow clay brick min. 20MPa	[kN]	3,4	4,7	5,2	5,8	6,7	6,2	3,9	5,3	6,9	6,7	8,5	8,3
Hollow clay brick min. 12MPa	[kN]	2,8	3,9	4,5	5,0	5,7	5,2	3,3	4,2	5,1	5,3	7,1	8,0
Hollow silicate brick min. 20MPa	[kN]	7,0	10,9	13,0	12,2	14,4	15,7	8,8	11,6	15,5	16,2	20,4	20,1
Hollow silicate brick min. 12MPa	[kN]	6,5	9,3	10,9	10,3	11,2	12,4	7,5	10,6	12,2	13,1	14,4	17,6
Hollow Masonry Units min. 20MPa	[kN]	6,5	10,2	12,5	10,0	15,2	15,4	8,8	12,4	15,4	12,0	18,2	21,0
Hollow lightweight concrete brick min. 2MPa	[kN]	2,5	2,9	3,0	3,3	3,5	3,9	3,0	3,0	3,1	3,4	4,0	4,2
Hollow normal weight concrete brick min 4MPa	[kN]	3,2	3,4	3,6	3,6	4,2	4,4	3,0	3,8	3,9	4,3	4,9	5,3
Hollow normal weight concrete brick min 10MPa	[kN]	3,8	4,5	4,8	5,0	5,6	6,0	3,2	4,5	5,7	5,3	6,4	7,8
Thermal Block min. 7,5MPa	[kN]	3,8	4,9	5,4	4,5	5,5	5,9	4,1	5,5	5,7	5,5	6,1	7,2
Tekno Amer Block	[kN]	4,3	5,4	5,6	6,4	7,3	7,4	5,0	5,8	6,2	7,4	8,2	9,2
CHARACTERISTIC LOAD													
		TENSION LOAD N_{Rk}						SHEAR LOAD V_{Rk}					
Hollow Aggregate Concrete min. 7,3MPa	[kN]	3,0	4,5	5,0	5,5	6,0	-	3,5	6,0	6,5	6,0	7,5	-
Hollow clay brick min. 20MPa	[kN]	2,0	3,0	3,5	4,0	4,5	4,0	3,0	4,0	5,0	5,0	7,0	7,5
Hollow clay brick min. 12MPa	[kN]	2,5	4,0	4,0	4,5	5,5	5,0	3,5	5,0	6,5	6,5	8,0	8,0
Hollow silicate brick min. 20MPa	[kN]	6,0	9,0	11,0	10,5	12,0	13,0	8,5	11,5	15,5	16,0	20,0	20,0
Hollow silicate brick min. 12MPa	[kN]	5,5	7,5	9,0	8,5	9,5	10,5	7,0	10,5	12,0	13,0	14,0	17,5
Hollow Masonry Units min. 20MPa	[kN]	5,5	8,5	10,5	8,5	13,0	13,0	8,5	12,0	15,0	11,5	18,0	20,5
Hollow lightweight concrete brick min. 2MPa	[kN]	2,0	2,0	2,5	2,5	2,5	3,0	2,5	2,5	3,0	3,0	3,5	4,0
Hollow normal weight concrete brick min 4MPa	[kN]	2,5	2,5	3,0	3,0	3,5	3,5	3,0	3,5	3,5	4,0	4,5	5,0
Hollow normal weight concrete brick min 10MPa	[kN]	3,0	3,5	4,0	4,0	4,5	5,0	3,0	4,5	5,5	5,0	6,0	7,5
Thermal Block min. 7,5MPa	[kN]	3,0	4,0	4,5	3,5	4,5	5,0	4,0	5,0	5,5	5,5	6,0	7,0
Tekno Amer Block	[kN]	3,5	4,5	4,5	5,0	6,0	6,0	5,0	5,5	6,0	7,0	8,0	9,0
DESIGN LOAD													
		TENSION LOAD N_{Rd}						SHEAR LOAD V_{Rd}					
Hollow Aggregate Concrete min. 7,3MPa	[kN]	1,2	1,8	2,0	2,2	2,4	-	1,4	2,4	2,6	2,4	3,0	-
Hollow clay brick min. 20MPa	[kN]	0,8	1,2	1,4	1,6	1,8	1,6	1,2	1,6	2,0	2,0	2,8	3,0
Hollow clay brick min. 12MPa	[kN]	1,0	1,6	1,6	1,8	2,2	2,0	1,4	2,0	2,6	2,6	3,2	3,2
Hollow silicate brick min. 20MPa	[kN]	2,4	3,6	4,4	4,2	4,8	5,2	3,4	4,6	6,2	6,4	8,0	8,0
Hollow silicate brick min. 12MPa	[kN]	2,2	3,0	3,6	3,4	3,8	4,2	2,8	4,2	4,8	5,2	5,6	7,0
Hollow Masonry Units min. 20MPa	[kN]	2,8	4,3	5,3	4,3	6,5	6,5	4,3	6,0	7,5	5,8	9,0	10,3
Hollow lightweight concrete brick min. 2MPa	[kN]	1,0	1,0	1,3	1,3	1,3	1,5	1,3	1,3	1,5	1,5	1,8	2,0
Hollow normal weight concrete brick min 4MPa	[kN]	1,0	1,0	1,2	1,2	1,4	1,4	1,2	1,4	1,4	1,6	1,8	2,0
Hollow normal weight concrete brick min 10MPa	[kN]	1,2	1,4	1,6	1,6	1,8	2,0	1,2	1,8	2,2	2,0	2,4	3,0
Thermal Block min. 7,5MPa	[kN]	1,2	1,6	1,8	1,4	1,8	2,0	1,6	2,0	2,2	2,2	2,4	2,8
Tekno Amer Block	[kN]	1,4	1,8	1,8	2,0	2,4	2,4	2,0	2,2	2,4	2,8	3,2	3,6

BASIC PERFORMANCE DATA

Performance data for single anchor without influence of edge distance and spacing.
Perforated masonry substrates (with mesh sleeve)

Size		M8	M10		M12		M16	M8	M10		M12		M16
PERFORATED AND HOLLOW SUBSTRATES													
Embedment depth	[mm]	85	85	130	85	130	85	85	85	130	85	130	85
Mesh sleeve size	[mm]	12 x 85	16 x 85	16 x 130	16 x 85	16 x 130	20 x 85	12 x 85	16 x 85	16 x 130	16 x 85	16 x 130	20 x 85
RECOMMENDED LOAD													
		TENSION LOAD N_{Reec}						SHEAR LOAD V_{Rec}					
Hollow Aggregate Concrete min. 7,3MPa	[kN]	0,9	1,3	1,4	1,6	1,7	-	1,0	1,7	1,9	1,7	2,1	-
Hollow clay brick min. 20MPa	[kN]	0,6	0,9	1,0	1,1	1,3	1,1	0,9	1,1	1,4	1,4	2,0	2,1
Hollow clay brick min. 12MPa	[kN]	0,7	1,1	1,1	1,3	1,6	1,4	1,0	1,4	1,9	1,9	2,3	2,3
Hollow silicate brick min. 20MPa	[kN]	1,7	2,6	3,1	3,0	3,4	3,7	2,4	3,3	4,4	4,6	5,7	5,7
Hollow silicate brick min. 12MPa	[kN]	1,6	2,1	2,6	2,4	2,7	3,0	2,0	3,0	3,4	3,7	4,0	5,0
Hollow Masonry Units min. 20MPa	[kN]	2,0	3,0	3,8	3,0	4,6	4,6	3,0	4,3	5,4	4,1	6,4	7,3
Hollow lightweight concrete brick min. 2MPa	[kN]	0,7	0,7	0,9	0,9	0,9	1,1	0,9	0,9	1,1	1,1	1,3	1,4
Hollow normal weight concrete brick min 4MPa	[kN]	0,7	0,7	0,9	0,9	1,0	1,0	0,9	1,0	1,0	1,1	1,3	1,4
Hollow normal weight concrete brick min 10MPa	[kN]	0,9	1,0	1,1	1,1	1,3	1,4	0,9	1,3	1,6	1,4	1,7	2,1
Thermal Block min. 7,5MPa	[kN]	0,9	1,1	1,3	1,0	1,3	1,4	1,1	1,4	1,6	1,6	1,7	2,0
Tekno Amer Block	[kN]	1,0	1,3	1,3	1,4	1,7	1,7	1,4	1,6	1,7	2,0	2,3	2,6

PRODUCT COMMERCIAL DATA

Product Code	Packaging	Version	Volume	Quantity			EAN
				Box	Outer	Pallet	
			[ml]	[pcs]	[pcs]	[pcs]	
R-KF2-175	cartridge	standard	175	10	10	840	5906675641638
R-KF2-300	cartridge	standard	300	10	10	840	5906675431017
R-KF2-300-S	cartridge	summer	300	10	10	840	5906675641652
R-KF2-300-STONE	cartridge	standard	300	10	10	840	5906675641645
R-KF2-410	cartridge	standard	410	10	10	560	5906675641669
R-KF2-410-S	cartridge	summer	410	10	10	560	5906675641683
R-KF2-410-STONE	cartridge	standard	410	10	10	560	5906675641676
R-KF2-300-W	cartridge	winter	300	10	10	840	5906675652351
R-KF2-410-W	cartridge	winter	410	10	10	650	5906675652368

RELATED PRODUCTS

DRILLING

POWER TOOLS

Rotary hammer drill
SDS plus, 850 W
R-PRH26850

Cordless rotary hammer drill
18V SDS plus 2,0J
R-PRH18

ACCESSORIES

Hollow drill bits
Dustlessdrill SDS Plus
RT-SDSH

Drill bits
Aggressor SDS Plus
RT-SDSA

Drill bits
Rebardrill SDS Plus
RT-SDSR

Impact
Socket 1/2”
RT-IS

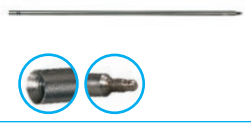
Torque spanner
20-100 Nm 1/2”
R-HTW-20-100

CLEANING

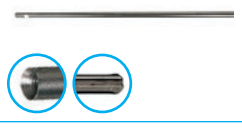
AUTOMATIC CLEANING

Brush with a threaded coupling for the installation of extensions
R-BRUSH TC

Extension
R-BRUSH-EXT-H-TC



Extension with handle
R-BRUSH-EXT-H-SDS



RELATED PRODUCTS

CLEANING	AIR CLEANING SYSTEM	Extension hose for the applications **R-NOZ-EXT** 	Blow-through nozzle for cleaning of holes **R-NOZ-ADAPTER** 		
	MANUAL CLEANING	Extension with handle for manual cleaning **R-BRUSH-TC** 	Extension **R-BRUSH-EXT-LT**	Extension with handle for manual cleaning **R-BRUSH-EXT-LH** 	Manual Blowpump **R-BLOWPUM** 
DOZING	DISPENSING SYSTEM	Manual dispensing system for cartridges **R-GUN-MULTI** 	Manual dispensing system for cartridges **R-GUN-300-N** 	Manual dispensing system for cartridges **R-GUN-380-N** 	
	ACCESSORIES	Piston Plug **R-NOZ-P-16-26** 	Extension hose for the applications **R-NOZ-EXT** 	Mixer nozzle **R-NOZ** 	
ANCHORING	ACCESSORIES	Metric threaded rod with hexagonal head **R-STUDS** 	Metric threaded rod with flat head **R-STUDS-FL** 	Plastic Mesh Sleeves **R-PLS**	Wire Mesh Sleeve **SP-CE**