UNIVERSAL

R-KEM II

POLYESTER ADHESIVE ANCHOR WITHOUT STYRENE FOR CONCRETE SUBSTRATES

Polyester bonded anchor without styrene, recommended for medium loads, suitable for use in most construction substrates

FEATURES AND BENEFITS

- The most convenient bonded anchor for general pupose use.
- Easy dosage thanks to patented self-opening system and use of manual or electric gun.
- Styrene free for use indoors or outdoors (low odour).
- Product with wide spectrum of use in the medium load capacity area.
- Available in a winter version with faster curing time. It can be used from -20°C.
- Suitable for multiple use. Partly used product can be reused after fitting new nozzle
- Ideal for applications where mechanical anchors are not suitable.
- Three colors - standard, stone & gray.

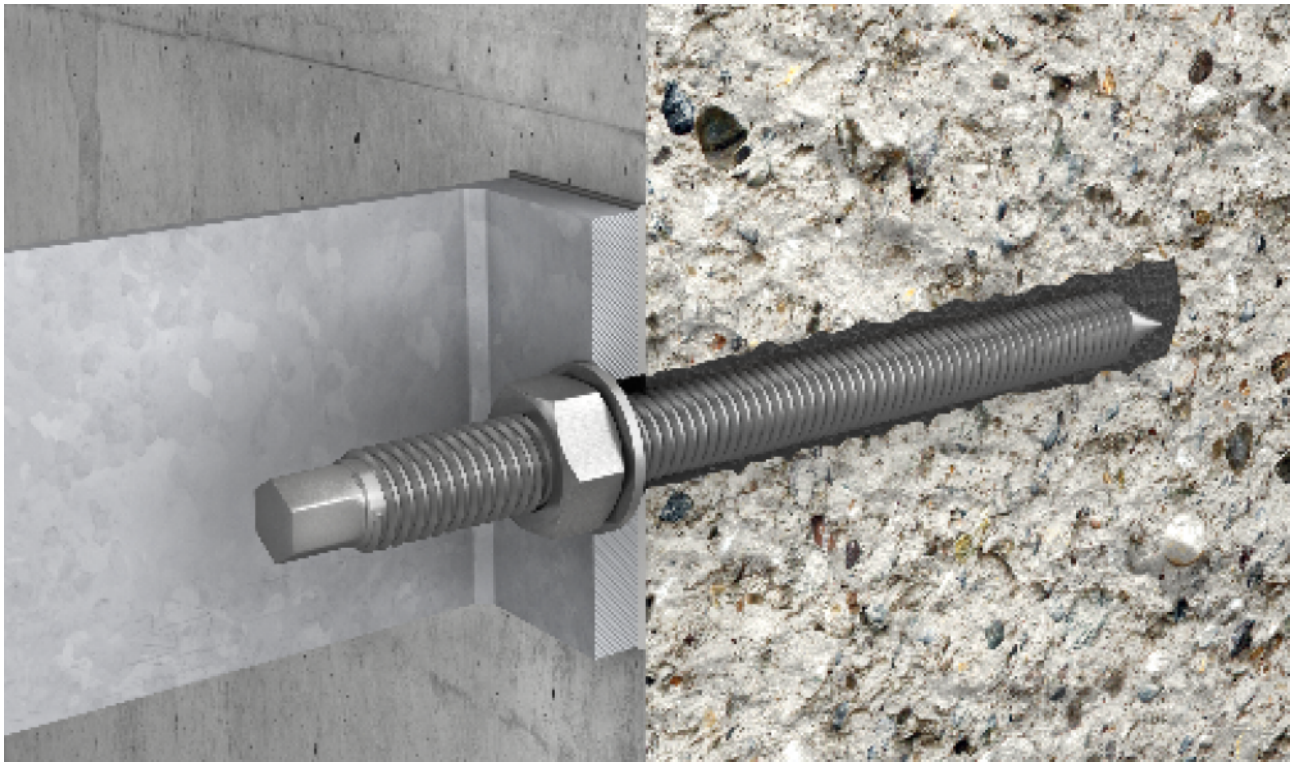
SUBSTRATES

- Non-cracked concrete C20/25-C50/60
- Reinforced concrete
- Solid concrete block
- Aerated concrete
- High-density natural stone
- Hollow-core slab



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APPLICATIONS

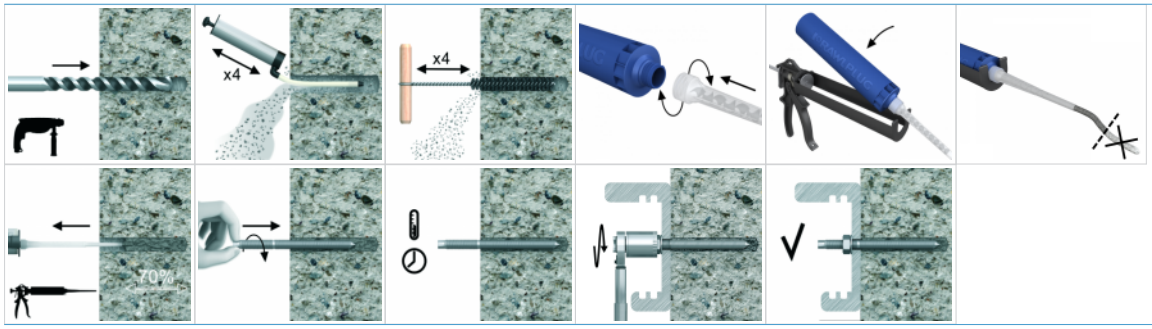
- Blinds and awnings
- Brackets
- Gates
- Sanitary and gas installations
- Steel structures
- Ventilated facades
- Concrete structures





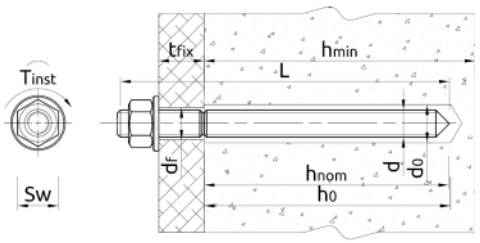
Błonie, Poland
Błonie Sports Center

INSTALLATION GUIDE



1. Drill a hole of required diameter and depth.
2. Solid concrete substrates: clean the drill hole thoroughly with brush and hand pump at least four times before installation.
3. Insert cartridge into gun and attach nozzle.
4. When starting dispensing from a new package, discard a portion of the resin (approximately 10 cm) to ensure thorough mixing of the components.
5. Insert the mixer nozzle to the bottom of the drill hole and inject resin, slowly withdrawing the nozzle as the hole is filled to 70% of its depth.
6. Immediately insert the rebar, slowly and with slight twisting motion. Remove any excess resin around the hole before it sets and leave it undisturbed until the curing time elapses.
7. Leave the fixing undisturbed until the curing time elapses.
8. Insert bolt through fixture and tighten to the recommended torque.

INSTALLATION DATA



Size			M8	M10	M12	M16	M20	M24	M30
Thread diameter	d	[mm]	8	10	12	16	20	24	30
Hole diameter in substrate	d_0	[mm]	10	12	14	18	24	28	35
Hole diameter in fixture	d_f	[mm]	9	12	14	18	22	26	33
Max. installation torque	T_{inst}	[Nm]	10	20	40	80	120	180	300
Min. hole depth in substrate	h_0	[mm]	1)	1)	1)	1)	1)	1)	1)
Min. substrate thickness	h_{min}	[mm]	2)	2)	2)	3)	3)	3)	3)
Min. edge distance	c_{min}	[mm]	40	40	40	50	60	70	85
Min. spacing	s_{min}	[mm]	40	40	40	50	60	70	85
Min. installation depth	$h_{nom,min}$	[mm]	60	70	80	100	120	140	165
Max. installation depth	$h_{nom,max}$	[mm]	160	200	240	320	400	400	600

1) $h_{nom}+5$
2) $h_{nom}+30 \geq 100$
3) $h_{nom}+2 \cdot d_0$

Processing and curing time														
R-KEMII (standard version)														
Mortar temperature	-	[° C]	5	5	5	5	5	5	10	15	20	25	25	25
Substrate (concrete) temperature	-	[° C]	-20	-15	-10	-5	0	5	10	15	20	30	35	40
Max. processing time	-	[min]	-	-	-	70 (1h10-min)	45	25	15	9	5	2	-	-
Min. curing time 1)	-	[min]	-	-	-	480 (8h)	240 (4h)	120 (2h)	90 (1,5h)	60 (1h)	45	30	-	-

Processing and curing time														
R-KEMII-S (summer version)														
Mortar temperature	-	[˚C]	5	5	5	5	5	5	10	15	20	25	25	25
Substrate (concrete) temperature	-	[˚C]	-20	-15	-10	-5	0	5	10	15	20	30	35	40
Max. processing time	-	[min]	-	-	-	180 (3h)	120 (2h)	60 (1h)	45	25	15	7	6	5
Min. curing time [1)]	-	[min]	-	-	-	1440 (24h)	1080 (18h)	720 (12h)	480 (8h)	360 (6h)	240 (4h)	90 (1,5h)	60 (1h)	45
R-KEMII-W (winter version)														
Mortar temperature	-	[˚C]	5	5	5	5	5	5	10	15	20	25	25	25
Substrate (concrete) temperature	-	[˚C]	-20	-15	-10	-5	0	5	10	15	20	30	35	40
Max. processing time	-	[min]	45	30	20	11	7	5	2	1,5	1	-	-	-
Min. curing time [1)]	-	[min]	1440 (24h)	1080 (18h)	480 (8h)	300 (5h)	120 (2h)	60 (1h)	45	30	15	-	-	-

Min. mortar temperature for installation +5˚C, max. +25˚C

[1)] For wet condition and flooded holes, the curing time must be doubled.

MECHANICAL PROPERTIES

Size			M8	M10	M12	M16	M20	M24	M30
R-STUDS METRIC THREADED RODS, GRADE 5.8									
Nominal ultimate tensile strength - tension	f_{uk}	[N/mm²]	500	500	500	500	500	500	500
Nominal yield strength	f_{yk}	[N/mm²]	400	400	400	400	400	400	400
Cross sectional area	A_s	[mm²]	36,6	58	84,3	156,7	244,8	352,3	560,6
Elastic section modulus	W_{el}	[mm³]	31,2	62,3	109,1	276,6	540,2	932,8	1872,1
Characteristic bending resistance	$M^0_{Rk,s}$	[Nm]	18,7	37,4	65,5	166	324,1	559,7	1123,3
R-STUDS METRIC THREADED RODS, GRADE 8.8									
Nominal ultimate tensile strength - tension	f_{uk}	[N/mm²]	800	800	800	800	800	800	800
Nominal yield strength	f_{yk}	[N/mm²]	640	640	640	640	640	640	640
Cross sectional area	A_s	[mm²]	36,6	58	84,3	156,7	244,8	352,3	560,6
Elastic section modulus	W_{el}	[mm³]	31,2	62,3	109,1	276,6	540,2	932,8	1872,1
Characteristic bending resistance	$M^0_{Rk,s}$	[Nm]	30	59,8	104,7	265,5	518,6	895,5	1797,3
R-STUDS METRIC THREADED RODS, GRADE A4-70									
Nominal ultimate tensile strength - tension	f_{uk}	[N/mm²]	700	700	700	700	700	700	700
Nominal yield strength	f_{yk}	[N/mm²]	450	450	450	450	450	450	450
Cross sectional area	A_s	[mm²]	36,6	58	84,3	156,7	244,8	352,3	560,6
Elastic section modulus	W_{el}	[mm³]	31,2	62,3	109,1	276,6	540,2	932,8	1872,1
Characteristic bending resistance	$M^0_{Rk,s}$	[Nm]	26,2	52,3	91,6	232,3	453,8	783,6	1572,6

BASIC PERFORMANCE DATA

Performance data for single anchor without influence of edge distance and spacing

Size			M8	M10	M12	M16	M20	M24	M30
UNCRACKED CONCRETE C20/25									
Minimum embedment depth	$h_{ef,min}$	[mm]	60	70	80	100	120	140	165
Maximum embedment depth	$h_{ef,max}$	[mm]	160	200	240	320	400	400	600
MEAN ULTIMATE RESISTANCE									
TENSION LOAD									
R-STUDS METRIC THREADED RODS, GRADE 5.8									
Minimum embedment depth	$N_{Ru,m}$	[kN]	18,9	30,5	44,1	67,5	88,7	111,8	143,1
Maximum embedment depth	$N_{Ru,m}$	[kN]	18,9	30,5	44,1	81,9	128,1	184,8	294
R-STUDS METRIC THREADED RODS, GRADE 8.8									
Minimum embedment depth	$N_{Ru,m}$	[kN]	25,1	36,3	47,2	67,5	88,7	111,8	143,1
Maximum embedment depth	$N_{Ru,m}$	[kN]	30,5	48,3	70,4	131,3	205,8	296,1	471,5
R-STUDS METRIC THREADED RODS, GRADE A4-70									
Minimum embedment depth	$N_{Ru,m}$	[kN]	25,1	36,3	47,2	67,5	88,7	111,8	143,1
Maximum embedment depth	$N_{Ru,m}$	[kN]	27,3	43,1	62	115,5	179,6	259,4	412,7
SHEAR LOAD									
R-STUDS METRIC THREADED RODS, GRADE 5.8									
Minimum embedment depth	$V_{Ru,m}$	[kN]	11,3	18,3	26,5	49,1	76,9	110,9	176,4
Maximum embedment depth	$V_{Ru,m}$	[kN]	11,3	18,3	26,5	49,1	76,9	110,9	176,4
R-STUDS METRIC THREADED RODS, GRADE 8.8									
Minimum embedment depth	$V_{Ru,m}$	[kN]	18,3	29	42,2	78,8	123,5	177,7	282,9
Maximum embedment depth	$V_{Ru,m}$	[kN]	18,3	29	42,2	78,8	123,5	177,7	282,9
R-STUDS METRIC THREADED RODS, GRADE A4-70									
Minimum embedment depth	$V_{Ru,m}$	[kN]	16,4	25,8	37,2	69,3	107,7	155,6	247,6
Maximum embedment depth	$V_{Ru,m}$	[kN]	16,4	25,8	37,2	69,3	107,7	155,6	247,6
CHARACTERISTIC RESISTANCE									
TENSION LOAD									
R-STUDS METRIC THREADED RODS, GRADE 5.8									

Size			M8	M10	M12	M16	M20	M24	M30
Minimum embedment depth	N_{Rk}	[kN]	14	20,5	26,5	40,7	58,8	66,5	82,4
Maximum embedment depth	N_{Rk}	[kN]	18	29	42	78	122	176	280
R-STUDS METRIC THREADED RODS, GRADE 8.8									
Minimum embedment depth	N_{Rk}	[kN]	14	20,5	26,5	40,7	58,8	66,5	82,4
Maximum embedment depth	N_{Rk}	[kN]	29	46	67	125	196	190	299,7
R-STUDS METRIC THREADED RODS, GRADE A4-70									
Minimum embedment depth	N_{Rk}	[kN]	14	20,5	26,5	40,7	58,8	66,5	82,4
Maximum embedment depth	N_{Rk}	[kN]	26	41	59	110	171	190	299,7
SHEAR LOAD									
R-STUDS METRIC THREADED RODS, GRADE 5.8									
Minimum embedment depth	V_{Rk}	[kN]	11	17,4	25,3	47	73,4	105,7	164,8
Maximum embedment depth	V_{Rk}	[kN]	11	17,4	25,3	47	73,4	105,7	168,2
R-STUDS METRIC THREADED RODS, GRADE 8.8									
Minimum embedment depth	V_{Rk}	[kN]	14,6	23,2	33,7	62,7	97,9	133	164,8
Maximum embedment depth	V_{Rk}	[kN]	14,6	23,2	33,7	62,7	97,9	140,9	224,2
R-STUDS METRIC THREADED RODS, GRADE A4-70									
Minimum embedment depth	V_{Rk}	[kN]	12,8	20,3	29,5	54,8	85,7	123,3	164,8
Maximum embedment depth	V_{Rk}	[kN]	12,8	20,3	29,5	54,8	85,7	123,3	196,2
DESIGN RESISTANCE									
TENSION LOAD									
R-STUDS METRIC THREADED RODS, GRADE 5.8									
Minimum embedment depth	N_{Rd}	[kN]	6,7	11,4	14,7	22,6	32,7	36,9	45,8
Maximum embedment depth	N_{Rd}	[kN]	12	19,3	28	52	81,3	105,6	166,5
R-STUDS METRIC THREADED RODS, GRADE 8.8									
Minimum embedment depth	N_{Rd}	[kN]	6,7	11,4	14,7	22,6	32,7	36,9	45,8
Maximum embedment depth	N_{Rd}	[kN]	17,8	30,7	44,2	72,4	108,9	105,6	166,5
R-STUDS METRIC THREADED RODS, GRADE A4-70									
Minimum embedment depth	N_{Rd}	[kN]	6,7	11,4	14,7	22,6	32,7	36,9	45,8
Maximum embedment depth	N_{Rd}	[kN]	13,9	21,9	31,6	58,8	91,4	105,6	166,5
SHEAR LOAD									
R-STUDS METRIC THREADED RODS, GRADE 5.8									
Minimum embedment depth	V_{Rd}	[kN]	8,8	13,9	20,2	37,6	58,8	84,6	109,9
Maximum embedment depth	V_{Rd}	[kN]	8,8	13,9	20,2	37,6	58,8	84,6	134,5
R-STUDS METRIC THREADED RODS, GRADE 8.8									
Minimum embedment depth	V_{Rd}	[kN]	11,7	18,6	27	50,1	78,3	88,7	109,9
Maximum embedment depth	V_{Rd}	[kN]	11,7	18,6	27	50,1	78,3	112,7	179,4
R-STUDS METRIC THREADED RODS, GRADE A4-70									
Minimum embedment depth	V_{Rd}	[kN]	8,2	13	18,9	35,1	54,9	79,1	109,9
Maximum embedment depth	V_{Rd}	[kN]	8,2	13	18,9	35,1	54,9	79,1	125,8
RECOMMENDED LOAD									
TENSION LOAD									
R-STUDS METRIC THREADED RODS, GRADE 5.8									
Minimum embedment depth	N_{rec}	[kN]	4,8	8,1	10,5	16,2	23,3	26,4	32,7
Maximum embedment depth	N_{rec}	[kN]	8,6	13,8	20	37,1	58,1	75,4	118,9
R-STUDS METRIC THREADED RODS, GRADE 8.8									
Minimum embedment depth	N_{rec}	[kN]	4,8	8,1	10,5	16,2	23,3	26,4	32,7
Maximum embedment depth	N_{rec}	[kN]	12,7	21,9	31,6	51,7	77,8	75,4	118,9
R-STUDS METRIC THREADED RODS, GRADE A4-70									
Minimum embedment depth	N_{rec}	[kN]	4,8	8,1	10,5	16,2	23,3	26,4	32,7
Maximum embedment depth	N_{rec}	[kN]	9,9	15,7	22,5	42	65,3	75,4	118,9
SHEAR LOAD									
R-STUDS METRIC THREADED RODS, GRADE 5.8									
Minimum embedment depth	V_{rec}	[kN]	6,3	9,9	14,4	26,9	42	60,4	78,5
Maximum embedment depth	V_{rec}	[kN]	6,3	9,9	14,4	26,9	42	60,4	96,1
R-STUDS METRIC THREADED RODS, GRADE 8.8									
Minimum embedment depth	V_{rec}	[kN]	8,4	13,3	19,3	35,8	56	63,3	78,5
Maximum embedment depth	V_{rec}	[kN]	8,4	13,3	19,3	35,8	56	80,5	128,1
R-STUDS METRIC THREADED RODS, GRADE A4-70									
Minimum embedment depth	V_{rec}	[kN]	5,9	9,3	13,5	25,1	39,2	56,5	78,5
Maximum embedment depth	V_{rec}	[kN]	5,9	9,3	13,5	25,1	39,2	56,5	89,8

DESIGN PERFORMANCE DATA

Static loads

Size			M8	M10	M12	M16	M20	M24	M30
Min effective embedment depth	$h_{ef,min}$	[mm]	60	70	80	100	120	140	165
Max effective embedment depth	$h_{ef,max}$	[mm]	160	200	240	320	400	400	600
TENSION LOAD									
STEEL FAILURE, GRADE 5.8									
Characteristic resistance	$N_{Rk,s}$	[kN]	18	29	42	78	122	176	280
Partial safety factor	γ_{MS}	[-]	1,5	1,5	1,5	1,5	1,5	1,5	1,5

Size			M8	M10	M12	M16	M20	M24	M30
STEEL FAILURE, GRADE 8.8									
Characteristic resistance	$N_{Rk,s}$	[kN]	29	46	67	125	196	282	448
Partial safety factor	γ_{MS}	[-]	1,5	1,5	1,5	1,5	1,5	1,5	1,5
STEEL FAILURE, GRADE A4-70									
Characteristic resistance	$N_{Rk,s}$	[kN]	25	40	59	109	171	247	392
Partial safety factor	γ_{MS}	[-]	1,87	1,87	1,87	1,87	1,87	1,87	1,87
COMBINED PULL-OUT AND CONCRETE CONE FAILURE; WORKING LIFE OF 50 YEARS									
NON-CRACKED CONCRETE C20/25									
Characteristic bond resistance (40°C/24°C)	τ_{Rk}	[N/mm²]	9,3	9,3	8,8	8,1	7,8	6,3	5,3
Characteristic bond resistance (80°C/50°C)	τ_{Rk}	[N/mm²]	7,7	7,7	7,3	6,7	6,5	5,2	4,4
FACTORS									
Increasing factors for concrete C30/37	Ψ_c	[-]	1,04	1,04	1,04	1,04	1	1	1
Increasing factors for concrete C40/50	Ψ_c	[-]	1,07	1,07	1,07	1,07	1	1	1
Increasing factors for concrete C50/60	Ψ_c	[-]	1,09	1,09	1,09	1,09	1	1	1
Sustained factor (40˚C / 24˚C)	ψ^0_{sus}	[-]	0,74	0,74	0,74	0,74	0,74	0,74	0,74
Sustained factor (80˚C / 50˚C)	ψ^0_{sus}	[-]	0,69	0,69	0,69	0,69	0,69	0,69	0,69
Installation safety factor	γ_{inst}	[-]	1,4[5]	1,2[5]	1,2[5]	1,2[5]	1,2[5]	1,2[5]	1,2[5]
COMBINED PULL-OUT AND CONCRETE CONE FAILURE; WORKING LIFE OF 100 YEARS									
NON-CRACKED CONCRETE C20/25									
Characteristic bond resistance (40°C/24°C)	τ_{Rk}	[N/mm²]	9,3	9,3	8,8	8,1	7,8	6,3	5,3
Characteristic bond resistance (80°C/50°C)	τ_{Rk}	[N/mm²]	7,7	7,7	7,3	6,7	6,5	5,2	4,4
FACTORS									
Increasing factors for concrete C30/37	Ψ_c	[-]	1,04	1,04	1,04	1,04	1	1	1
Increasing factors for concrete C40/50	Ψ_c	[-]	1,07	1,07	1,07	1,07	1	1	1
Increasing factors for concrete C50/60	Ψ_c	[-]	1,09	1,09	1,09	1,09	1	1	1
Sustained factor (40˚C / 24˚C)	ψ^0_{sus}	[-]	0,83	0,83	0,83	0,83	0,83	0,83	0,83
Sustained factor (80˚C / 50˚C)	ψ^0_{sus}	[-]	0,78	0,78	0,78	0,78	0,78	0,78	0,78
Installation safety factor	γ_{inst}	[-]	1,4[5]	1,2[5]	1,2[5]	1,2[5]	1,2[5]	1,2[5]	1,2[5]
CONCRETE CONE FAILURE									
Factor for uncracked concrete	$k_{ucr,N}$	[-]	11	11	11	11	11	11	11
Edge distance	$c_{cr,N}$	[mm]	[1]	[1]	[1]	[1]	[1]	[1]	[1]
Spacing	$s_{cr,N}$	[mm]	[2]	[2]	[2]	[2]	[2]	[2]	[2]
Installation safety factor	γ_{inst}	[-]	1,4[5]	1,2[5]	1,2[5]	1,2[5]	1,2[5]	1,2[5]	1,2[5]
CONCRETE SPLITTING FAILURE									
Edge distance	$c_{cr,sp}$	[mm]	[3]	[3]	[3]	[3]	[3]	[3]	[3]
Spacing	$s_{cr,sp}$	[mm]	[4]	[4]	[4]	[4]	[4]	[4]	[4]
Installation safety factor	γ_{inst}	[-]	1,4[5]	1,2[5]	1,2[5]	1,2[5]	1,2[5]	1,2[5]	1,2[5]
SHEAR LOAD									
STEEL FAILURE, GRADE 5.8									
Characteristic resistance without lever arm	$V_{Rk,s}$	[kN]	11	17,4	25,3	47	73,4	105,7	168,2
Ductility factor	k_7	[-]	1	1	1	1	1	1	1
Characteristic resistance with lever arm	$M_{Rk,s}$	[Nm]	19	37	65	166	324	561	1124
Partial safety factor	γ_{MS}	[-]	1,25	1,25	1,25	1,25	1,25	1,25	1,25
STEEL FAILURE, GRADE 8.8									
Characteristic resistance without lever arm	$V_{Rk,s}$	[kN]	14,6	23,2	33,7	62,7	97,9	140,9	224,2
Ductility factor	k_7	[-]	1	1	1	1	1	1	1
Characteristic resistance with lever arm	$M_{Rk,s}$	[Nm]	30	60	105	266	519	898	1799
Partial safety factor	γ_{MS}	[-]	1,25	1,25	1,25	1,25	1,25	1,25	1,25
STEEL FAILURE, GRADE A4-70									
Characteristic resistance without lever arm	$V_{Rk,s}$	[kN]	12,8	20,3	29,5	54,8	85,7	123,3	196,2
Ductility factor	k_7	[-]	1	1	1	1	1	1	1
Characteristic resistance with lever arm	$M_{Rk,s}$	[Nm]	26	52	92	233	454	786	1574
Partial safety factor	γ_{MS}	[-]	1,56	1,56	1,56	1,56	1,56	1,56	1,56
CONCRETE PRY-OUT FAILURE									
Factor	k	[-]	2	2	2	2	2	2	2
Installation safety factor	γ_2	[-]	1	1	1	1	1	1	1
CONCRETE EDGE FAILURE									
Anchor diameter	d_{nom}	[mm]	8	10	12	16	20	24	30
Effective embedment depth	h_{ef}	[mm]	[6]	[6]	[6]	[6]	[6]	[6]	[7]
Installation safety factor	γ_{inst}	[-]	1	1	1	1	1	1	1

[1] $c_{cr,N}=1,5 \cdot h_{ef}$

[2] $s_{cr,N}=3,0 \cdot h_{ef}$

[3] $c_{cr,sp}$ = based on relevant ETA

[4] $s_{cr,sp}=2,0 \cdot c_{cr,sp}$

[5] $\gamma_{inst,I1} = \gamma_{inst,I2}$

[6] If = min (h_{ef};12 · d_{nom})

[7] l_f = min (h_{ef}; 300)

LOGISTICAL DATA

SKU	Base-sales unit	Unit pack	Bulk pack	Pallet	Single Package - Gross Weight	Bulk Package - Gross Weight	Palette - Gross Weight	Barcode
R-CFS+RM50600	pack	1.0	1.0	40.0	0.0	0.0	0.0	5906675528120
R-CFS+RM50600-W	pack	1.0	1.0	40.0	0.0	0.0	0.0	5906675554150
R-KEM-II-175	pcs.	10.0	10.0	840.0	3.7	3.7	307.9	5906675050249
R-KEM-II-175-PL/H	pcs.	10.0	10.0	840.0	3.7	3.7	306.8	5906675486468
R-KEM-II-300	pcs.	10.0	10.0	840.0	5.8	5.8	488.5	5906675050256
R-KEM-II-300-ES	pcs.	10.0	10.0	720.0	5.6	5.6	404.8	5906675459103
R-KEM-II-300-PL/H	pcs.	10.0	10.0	840.0	5.6	5.6	471.6	5906675478784
R-KEM-II-300-S	pcs.	10.0	10.0	840.0	5.6	5.6	471.7	5906675064642
R-KEM-II-300-SL	pcs.	10.0	10.0	840.0	0.0	0.0	0.0	5906675418063
R-KEM-II-300-SV	pcs.	10.0	10.0	840.0	5.9	5.9	0.0	5906675417073
R-KEM-II-300-W	pcs.	10.0	10.0	840.0	5.8	5.8	486.4	5906675064666
R-KEM-II-300/H	pcs.	10.0	10.0	840.0	0.0	0.0	0.0	5906675489193
R-KEM-II-410	pcs.	10.0	10.0	560.0	8.4	8.4	0.0	5906675408163
R-KEM-II-410-GREY	pcs.	10.0	10.0	560.0	8.2	8.2	459.2	5906675424941
R-KEM-II-410-STONE	pcs.	10.0	10.0	560.0	8.5	8.5	0.0	5906675424958
R-KEM-II-410-W	pcs.	10.0	10.0	560.0	8.2	8.2	457.6	5906675516271
R-KEM-II-300-GREY	pcs.	10.0	10.0	840.0	5.6	5.6	469.6	5906675038131
R-KEM-II-300-STONE	pcs.	10.0	10.0	840.0	5.6	5.6	472.9	5906675038124
R-KEM-II-300-IT	pcs.	10.0	10.0	840.0	5.6	5.6	470.4	5906675512976
R-KEM-II-175-ES	pcs.	10.0	10.0	720.0	3.6	3.6	256.2	5906675513669
R-KEM-II-300-DE	pcs.	10.0	10.0	840.0	5.6	5.6	469.2	5906675557281
R-KEM-II-300-E	pcs.	10.0	10.0	630.0	17.8	17.8	353.4	5906675565330

RELATED PRODUCTS

SAFETY	Protective gloves for power tools **R-PGL** 			
DRILLING	Rotary Hammer Drill SDS plus; 850W; 26mm; 2.5J **R-PRH-26850** 	Cordless Hammer 18V SDS plus **R-PRH18** 	Drill bits Aggressor SDS plus **RT-SDSA** 	Drill bits Rebardrill SDS plus **RT-SDSR** 
CLEANING	Blow Pump **R-BLOWPUMP** 	Steel wire brushes for cleaning holes **R-BRUSH-TC** 	Blow nozzle for cleaning holes **R-NOZ-ADAPTER** 	
DOZING	Manual dispensing system for cartridges **R-GUN-300-N; R-GUN-345-N** 			
ANCHORING	Hammer **RT-HAM-0500** 			