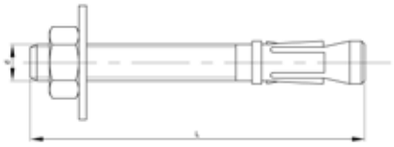
Anchor bolt ThruFast - ThruMaxx

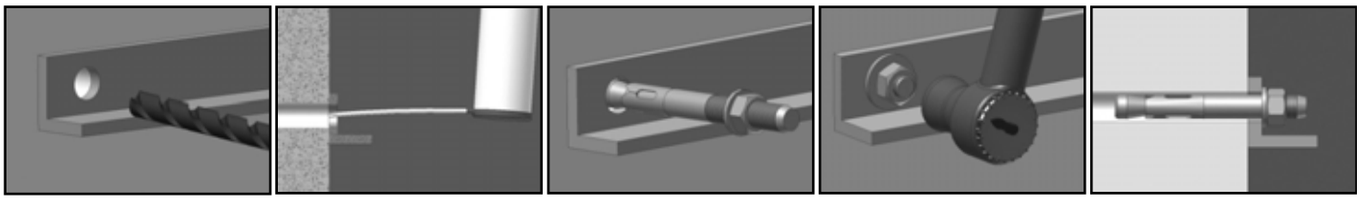


Technical data

Type	d	L	d_o	s	Ring ø	d_f	h_1	h (nom.)	h_{ef}	S_{cr}, N	C_{cr}, N	t_{fix} (max.)	T_{inst}	N_{rec}
6x60	M6	60	6	10	12	7	55	49,5	40	120	60	2	7	4,29
6x70	M6	70	6	10	12	7	55	49,5	40	120	60	12	7	3,93
6x80	M6	80	6	10	12	7	55	49,5	40	120	60	22	7	3,93
6x80 (A2-A4)	M6	80	6	10	12	7	55	49,5	40	120	60	22	7	4,29
6x90	M6	90	6	10	12	7	55	49,5	40	120	60	32	7	3,93
6x100	M6	100	6	10	12	7	55	49,5	40	120	60	42	7	3,93
6x120	M6	120	6	10	12	7	55	49,5	40	120	60	62	7	3,93
6x140	M6	140	6	10	12	7	55	49,5	40	120	60	82	7	3,93
8x75	M8	75	8	13	16	9	65	59,5	48	144	72	5	20	5,71
8x90	M8	90	8	13	16	9	65	59,5	48	144	72	20	20	5,71
8x115	M8	115	8	13	16	9	65	59,5	48	144	72	45	20	5,71
8x130	M8	130	8	13	16	9	65	59,5	48	144	72	60	20	5,71
8x155	M8	155	8	13	16	9	65	59,5	48	144	72	85	20	5,71
10x70	M10	70	10	17	20	12	60	53,5	42	165	83	5	35	5,43
10x90	M10	90	10	17	20	12	75	66,5	55	165	83	10	35	6,35
10x120	M10	120	10	17	20	12	75	66,5	55	165	83	40	35	6,35
10x150	M10	150	10	17	20	12	75	66,5	55	165	83	70	35	6,35
10x170	M10	170	10	17	20	12	75	66,5	55	165	83	90	35	6,35
12x75	M12	75	12	19	24	14	60	55	43	195	98	5	60	5,64
12x90	M12	90	12	19	24	14	85	77	65	195	98	5	60	8,84
12x110	M12	110	12	19	24	14	85	77	65	195	98	18	60	9,92
12x140	M12	140	12	19	24	14	85	77	65	195	98	48	60	9,92
12x160	M12	160	12	19	24	14	85	77	65	195	98	68	60	9,92
12x180	M12	180	12	19	24	14	85	77	65	195	98	88	60	9,92
14x120	M14	120	14	22	28	16	100	91	75	225	113	12	90	11,91
14x145	M14	145	14	22	28	16	100	91	75	225	113	37	90	11,91
14x170	M14	170	14	22	28	16	100	91	75	225	113	62	90	11,91
16x90	M16	90	16	24	30	18	75	69	49	252	126	4	120	6,86
16x125	M16	125	16	24	30	18	110	103,5	84	252	126	3	120	13,89
16x145	M16	145	16	24	30	18	110	103,5	84	252	126	23	120	13,89
16x170	M16	170	16	24	30	18	110	103,5	84	252	126	48	120	13,89
16x220	M16	220	16	24	30	18	110	103,5	84	252	126	98	120	13,89
20x120	M20	120	20	30	37	22	105	93	71	309	155	5	240	11,96
20x170	M20	170	20	30	37	22	135	125	103	309	155	23	240	19,84
20x220	M20	220	20	30	37	22	135	125	103	309	155	73	240	19,84

- **d_o = Nominal diameter of drill bit**
- **s = Width across flats**
- **ring ø = Washer diameter**
- **d_f = Diameter of clearance hole in the fixture**
- **h_1 = Recommended drilling depth**
- **h(nom) = Minimum hole depth**
- **h_{ef} = Effective anchorage depth**
- **S_{cr},N = Spacing characteristic**
- **C_{cr},N = Edge distance characteristic**
- **t_{fix} (max) = Grip range**
- **T_{inst} = Tightening torque in Nm**
- **N_{rec} = Recommended load in kN**
- The allowable load is valid for one single anchor, at cracked concrete (tensile zone) with concrete class C20/25, incl. partial safety factor γ_f = 1,4 and if the S_{cr}, N and C_{cr}, N are taken in to account.
- When reduction on spacing and edge distance take place a re-calculation of forces should be carried out by making use of the technical guide or calculation software, they are available on request.

Assembly sequence



Article groups

Thread	Material	Surface treatment		Packaging	Code	Page
M	St	Zipl		Standard	30550	8-59
M	St.St. A2			Standard	30552	8-59
M	St	Zipl	ETA-7	Standard	30551	8-60
M	St.St. A4		ETA-7	Standard	30553	8-60

30550 MAXXFAST Anchor bolt ThruFast — MF50

Thread Metric thread
Material Steel
Surface treatment Zinc plated
Packaging Standard

Type	✉	Art.number	Type	✉	Art.number	Type	✉	Art.number
6X70	200	30550.060.070						
6X80	200	30550.060.080	10X70	100	30550.100.070	14X120	25	30550.140.120
6X90	200	30550.060.090	10X90	100	30550.100.090	14X145	25	30550.140.145
6X100	200	30550.060.100	10X120	50	30550.100.120	14X170	20	30550.140.170
6X120	100	30550.060.120	10X150	50	30550.100.150			
6X140	100	30550.060.140				16X125	25	30550.160.125
			12X75	50	30550.120.075	16X145	25	30550.160.145
8X75	100	30550.080.075	12X110	50	30550.120.110	16X170	10	30550.160.170
8X90	100	30550.080.090	12X140	25	30550.120.140	16X220	10	30550.160.220
8X115	100	30550.080.115	12X160	25	30550.120.160			
8X130	100	30550.080.130	12X180	25	30550.120.180	20X170	10	30550.200.170
8X155	50	30550.080.155						

30552 MAXXFAST Anchor bolt ThruFast A2 — MF50

Thread Metric thread
Material Stainless steel A2
Packaging Standard

Type	✉	Art.number	Type	✉	Art.number	Type	✉	Art.number
6X60	200	30552.060.060	10X120	50	30552.100.120	16X145	25	30552.160.145
6X80	200	30552.060.080	10X150	50	30552.100.150	16X170	10	30552.160.170
8X75	100	30552.080.075	12X90	50	30552.120.090	20X120	10	30552.200.120
8X90	100	30552.080.090	12X110	50	30552.120.110	20X170	10	30552.200.170
8X115	100	30552.080.115	12X140	25	30552.120.140	20X220	10	30552.200.220
10X90	100	30552.100.090	16X90	25	30552.160.090			

30551 MAXXFAST Anchor bolt ThruMaxx — MF50

Thread Metric thread
Material Steel
Surface treatment Zinc plated
Packaging Standard

MAXXFAST PROFESSIONAL HARDWARE

ETA CE
European Technical Approval
Option 7 for cracked concrete

Final calculations should comply with the complete European Technical Approval (ETA), this approval is also available on request.

Type	✉	Art.number	Type	✉	Art.number	Type	✉	Art.number
6X70	200	30551.060.070	8X155	50	30551.080.155			
6X80	200	30551.060.080				14X120	25	30551.140.120
6X90	200	30551.060.090	10X90	100	30551.100.090	14X145	25	30551.140.145
6X100	200	30551.060.100	10X120	50	30551.100.120	14X170	20	30551.140.170
6X120	100	30551.060.120	10X150	50	30551.100.150			
6X140	100	30551.060.140	10X170	50	30551.100.170	16X125	25	30551.160.125
						16X145	25	30551.160.145
8X75	100	30551.080.075	12X110	50	30551.120.110	16X170	10	30551.160.170
8X90	100	30551.080.090	12X140	25	30551.120.140			
8X115	100	30551.080.115	12X160	25	30551.120.160	20X170	10	30551.200.170
8X130	100	30551.080.130	12X180	25	30551.120.180			

30553 MAXXFAST Anchor bolt ThruMaxx A4 — MF50

Thread Metric thread
Material Stainless steel A4
Packaging Standard

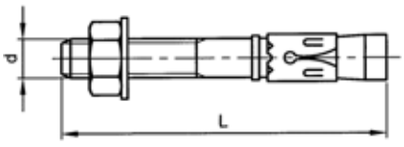
MAXXFAST PROFESSIONAL HARDWARE

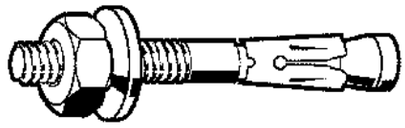
ETA CE
European Technical Approval
Option 7 for cracked concrete

Final calculations should comply with the complete European Technical Approval (ETA), this approval is also available on request.

Type	✉	Art.number	Type	✉	Art.number	Type	✉	Art.number
6X60	200	30553.060.060	10X90	100	30553.100.090	12X140	25	30553.120.140
6X80	200	30553.060.080	10X120	50	30553.100.120	16X145	25	30553.160.145
8X75	100	30553.080.075	10X150	50	30553.100.150	16X170	10	30553.160.170
8X90	100	30553.080.090	12X90	50	30553.120.090	20X170	10	30553.200.170
8X115	100	30553.080.115	12X110	50	30553.120.110	20X220	10	30553.200.220

Through fixing stud anchor type FIX II



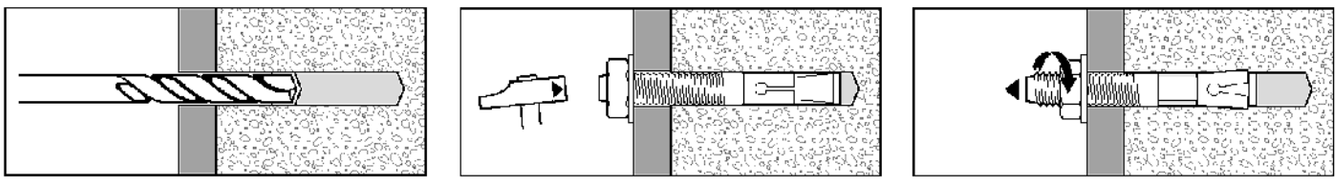


Technical data

Type	8-20	8-40	8-80	10-15	10-35	10-80	12-25	12-65	12-105	12-145	16-30	16-75	20-50	20-105
d	M8	M8	M8	M10	M10	M10	M12	M12	M12	M12	M16	M16	M20	M20
L	70	90	130	76,2	96,2	141,2	100	140	180	220	125	170	160	215
Code	C	E	H	C	E	I	E	I	L	O	G	K	J	J
d_o	8	8	8	10	10	10	12	12	12	12	16	16	20	20
T_{inst}	15	15	15	30	30	30	50	50	50	50	100	100	160	160
d_f	9	9	9	12	12	12	14	14	14	14	18	18	22	22
h_{min}	100	100	100	104-100	104-100	104-100	136-100	136-100	136-100	136-100	172-128	172-128	200-148	200-148
h_o	65-52	65-52	65-52	72-62	72-62	72-62	93-75	93-75	93-75	93-75	117-95	117-95	136-110	136-110
t_{fix}	7-20	27-40	67-80	5-15	25-35	70-80	8-25	48-65	88-105	128-145	8-30	53-75	25-50	80-105
h_{ef}	48-35	48-35	48-35	52-42	52-42	52-42	68-50	68-50	68-50	68-50	86-64	86-64	100-74	100-74
S_{cr}, N	144-155	144-105	144-105	156-125	156-126	156-126	204-150	204-105	204-150	204-150	258-192	258-192	300-222	300-222
C_{cr}, N	72-55	72-55	72-55	78-75	78-75	78-75	102-100	102-100	102-100	102-100	129-100	129-100	150-115	150-115
$S_{min.}$	50-45	50-45	50-45	65-55	65-55	65-55	100-75	100-75	100-75	100-75	100-90	100-90	100-105	100-105
$C_{min.}$	60-55	60-55	60-55	75-65	75-65	75-65	100-90	100-90	100-90	100-90	100-105	100-105	115-125	115-125
N	3,0-2,0	3,0-2,0	3,0-2,0	4,0-3,0	4,0-3,0	4,0-3,0	6,6-5,3	6,6-5,3	6,6-5,3	6,6-5,3	13,2-8,3	13,2-8,3	9,9-9,9	9,9-9,9

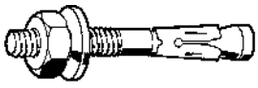
- **Code = Letter code marking.**
- **d_o = Nominal diameter of drill bit.**
- **T_{inst} = Tightening torque in Nm.**
- **d_f = Diameter of clearance hole in the fixture.**
- **$h_{min.}$ = Minimal thickness of concete member.**
- **h_o = Recommended drilling depth.**
- **t_{fix} = Thickness of the fixture.**
- **h_{ef} = Effective anchorage depth.**
- **S_{cr}, N = Spacing characteristic.**
- **C_{cr}, N = Edge distance characteristic.**
- **$S_{min.}$ = Minimal spacing.**
- **$C_{min.}$ = Minimal edge distance.**
- **N = Allowable load in kN.**
- The allowable load is valid for one single anchor, at non-cracked concrete (pressure zone) with concrete class C20/25, incl. partial safety factor γ_f = 1,4 and if the S_{cr}, N and C_{cr}, N are taken in to account.
- When reduction on spacing and edge distance take place a re-calculation of forces should be carried out by making use of the technical guide or calculation software, they are available on request.
- Final calculations should comply with the complete European Technical Approval (ETA), this approval is also available on request.

Assembly sequence



70926 SPIT Through fixing stud anchor type FIX II — P03A

Thread	Metric thread
Material	Steel
Surface treatment	Zinc plated
Packaging	Standard

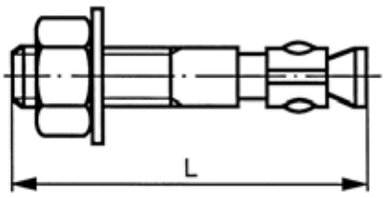


ETA
European Technical Approval
Option 7 for cracked concrete

Final calculations should comply with the complete European Technical Approval (ETA), this approval is also available on request.

Type	✉	Art.number	Type	✉	Art.number	Type	✉	Art.number
8-20	100	70926.080.020	10-80	25	70926.100.080	16-30	25	70926.160.030
8-40	50	70926.080.040	12-25	25	70926.120.025	16-75	10	70926.160.075
8-80	50	70926.080.080	12-65	25	70926.120.065	20-50	10	70926.200.050
10-15	50	70926.100.015	12-105	25	70926.120.105	20-105	10	70926.200.105
10-35	50	70926.100.035	12-145	25	70926.120.145			

Bolt type FBN II



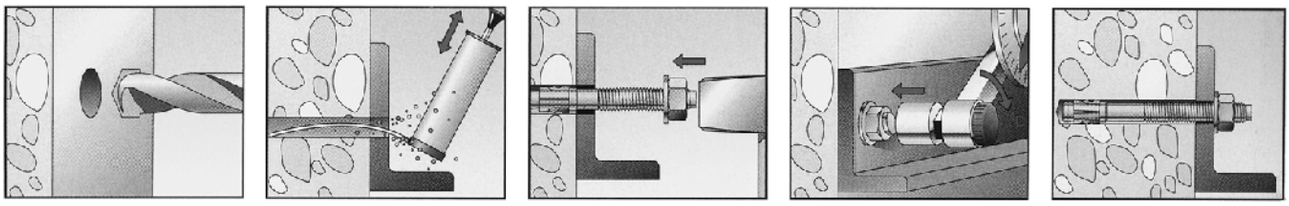
Technical data

Type	d	L	d_o	t_{fix}	h_{ef}	Min. t_d	Ring ø	k_N
FBN II 6/5	M6	50	6	5	30	45	12X1,6	1,5
FBN II 6/10	M6	55	6	10	30	50	12X1,6	1,5
FBN II 6/30	M6	75	6	30	30	70	12X1,6	1,5
FBN II 8/5	M8	66	8	5	40	61	16X1,6	2,9-6,1
FBN II 8/10	M8	71	8	10	40	66	16X1,6	2,9-6,1
FBN II 8/20	M8	81	8	20	40	76	16X1,6	2,9-6,1
FBN II 8/30	M8	91	8	30	40	86	16X1,6	2,9-6,1
FBN II 8/50	M8	111	8	50	40	106	16X1,6	2,9-6,1
FBN II 8/70	M8	131	8	70	40	126	16X1,6	2,9-6,1
FBN II 8/100	M8	161	8	100	40	156	16X1,6	2,9-6,1
FBN II 8/5 K	M8	56	8	5	30	51	16X1,6	2,9-6,1
FBN II 8/10 K	M8	61	8	10	30	56	16X1,6	2,9-6,1
FBN II 8/30 K	M8	81	8	30	30	76	16X1,6	2,9-6,1
FBN II 10/10	M10	86	10	10	50	78	20X2	6,1-8,5
FBN II 10/20	M10	96	10	20	50	88	20X2	6,1-8,5
FBN II 10/30	M10	106	10	30	50	98	20X2	6,1-8,5
FBN II 10/50	M10	126	10	50	50	118	20X2	6,1-8,5
FBN II 10/70	M10	146	10	70	50	138	20X2	6,1-8,5
FBN II 10/100	M10	176	10	100	50	168	20X2	6,1-8,5
FBN II 10/140	M10	216	10	140	50	208	20X2	6,1-8,5
FBN II 10/160	M10	236	10	160	50	228	20X2	6,1-8,5
FBN II 10/5 K	M10	71	10	5	40	63	20X2	6,1-8,5
FBN II 10/10 K	M10	76	10	10	40	68	20X2	6,1-8,5
FBN II 10/30 K	M10	96	10	30	40	88	20X2	6,1-8,5
FBN II 12/10	M12	106	12	10	65	95	24X2,5	8,5-12,6
FBN II 12/20	M12	116	12	20	65	105	24X2,5	8,5-12,6
FBN II 12/30	M12	126	12	30	65	115	24X2,5	8,5-12,6
FBN II 12/50	M12	146	12	50	65	135	24X2,5	8,5-12,6
FBN II 12/80	M12	176	12	80	65	165	24X2,5	8,5-12,6
FBN II 12/100	M12	196	12	100	65	185	24X2,5	8,5-12,6
FBN II 12/120	M12	216	12	120	65	205	24X2,5	8,5-12,6
FBN II 12/140	M12	236	12	140	65	225	24X2,5	8,5-12,6
FBN II 12/160	M12	256	12	160	65	245	24X2,5	8,5-12,6
FBN II 12/5 K	M12	86	12	5	50	75	24X2,5	8,5-12,6
FBN II 12/10 K	M12	91	12	10	50	80	24X2,5	8,5-12,6
FBN II 12/30 K	M12	111	12	30	50	100	24X2,5	8,5-12,6
FBN 16/10	M16	130	16	10	80	114	30X3	12,6-17,2
FBN II 16/25	M16	145	16	25	80	129	30X3	12,6-17,2
FBN II 16/50	M16	170	16	50	80	154	30X3	12,6-17,2
FBN II 16/80	M16	200	16	80	80	184	30X3	12,6-17,2
FBN II 16/100	M16	220	16	100	80	204	30X3	12,6-17,2
FBN II 16/140	M16	260	16	140	80	244	30X3	12,6-17,2
FBN II 16/160	M16	280	16	160	80	264	30X3	12,6-17,2
FBN II 16/200	M16	320	16	200	80	304	30X3	12,6-17,2
FBN II 16/15 K	M16	120	16	15	65	104	30X3	12,6-17,2
FBN II 16/25 K	M16	130	16	25	65	114	30X3	12,6-17,2
FBN II 20/30	M20	184	20	30	105	165	37X3	17,2-25,8
FBN II 20/60	M20	214	20	60	105	195	37X3	17,2-25,8
FBN II 20/80	M20	234	20	80	105	215	37X3	17,2-25,8
FBN II 20/120	M20	274	20	120	105	255	37X3	17,2-25,8
FBN II 20/10 K	M20	139	20	10	80	120	37X3	17,2-25,8

- **d_o = Nominal diameter of drill bit.**
- **t_{fix} = Grip range.**
- **h_{ef} = Effective anchorage depth.**
- **Min. t_d = Recommended drilling depth.**
- **kN = Load in kN.**
- The allowable load is valid for one single anchor, at cracked concrete (tensile zone) with concrete class C20/25, incl. partial safety factor γ_f = 1,4 and if the S_{cr}, N and C_{cr}, N are taken in to account.

- When reduction on spacing and edge distance take place a re-calculation of forces should be carried out by making use of the technical guide or calculation software, they are available on request.
- Final calculations should comply with the complete European Technical Approval (ETA), this approval is also available on request.

Assembly sequence



Article groups

Thread	Material	Surface treatment	Packaging	Code	Page
M	St	Zipl	Standard	63324	8-64
M	St.St. A4		Standard	63325	8-65

63324 FISCHER Bolt type FB II **N03A**

Thread	Metric thread
Material	Steel
Surface treatment	Zinc plated
Packaging	Standard

ETA CE
European Technical Approval
Option 7 for cracked concrete

Final calculations should comply with the complete European Technical Approval (ETA), this approval is also available on request.

Type	✉	Art.number	Type	✉	Art.number	Type	✉	Art.number
6/5	100	63324.060.005	10/70 (10X146)	20	63324.100.070	12/10 K (12X91)	20	63324.121.010
6/10	100	63324.060.010	10/100 (10X176)	20	63324.100.100	12/30 K (12X111)	20	63324.121.030
6/30	100	63324.060.030	10/140 (10X216)	20	63324.100.140	16/25 (16X145)	10	63324.160.025
8/5 (8X66)	50	63324.080.005	10/160 (10X236)	20	63324.100.160	16/50 (16X170)	10	63324.160.050
8/10 (8X71)	50	63324.080.010	10/5 K (10X71)	50	63324.101.005	16/80 (16X200)	10	63324.160.080
8/20 (8X81)	50	63324.080.020	10/10 K (10X76)	50	63324.101.010	16/100 (16X220)	10	63324.160.100
8/30 (8X91)	50	63324.080.030	12/10 (12X106)	20	63324.120.010	16/140 (16X260)	10	63324.160.140
8/50 (8X111)	50	63324.080.050	12/20 (12X116)	20	63324.120.020	16/160 (16X280)	10	63324.160.160
8/70 (8X131)	20	63324.080.070	12/30 (12X126)	20	63324.120.030	16/200 (16X320)	10	63324.160.200
8/100 (8X161)	20	63324.080.100	12/50 (12X146)	20	63324.120.050	16/15 K (16X120)	10	63324.161.015
8/5 K (8X56)	50	63324.081.005	12/80 (12X176)	20	63324.120.080	16/25 K (16X130)	10	63324.161.025
8/10 K (8X61)	50	63324.081.010	12/100 (12X196)	20	63324.120.100	20/30 (20X184)	10	63324.200.030
10/10 (10X86)	50	63324.100.010	12/120 (12X216)	20	63324.120.120	20/60 (20X214)	10	63324.200.060
10/20 (10X96)	50	63324.100.020	12/140 (12X236)	20	63324.120.140	20/80 (20X234)	10	63324.200.080
10/30 (10X106)	50	63324.100.030	12/160 (12X256)	20	63324.120.160	20/120 (20X274)	10	63324.200.120
10/50 (10X126)	20	63324.100.050	12/5 K (12X86)	20	63324.121.005	20/10 K (20X139)	10	63324.201.010

63325	FISCHER Bolt type FB II	N03A

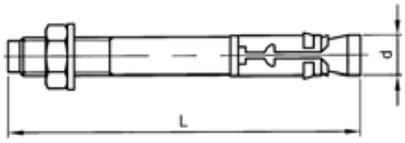
Thread Metric thread
Material Stainless steel A4
Packaging Standard

European Technical Approval
Option 7 for cracked concrete

Final calculations should comply with the complete European Technical Approval (ETA), this approval is also available on request.

Type	✉	Art.number	Type	✉	Art.number	Type	✉	Art.number
6/10 (6X55)	100	63325.060.010	10/30 (10X106)	50	63325.100.030	12/100 (12X196)	20	63325.120.100
6/30 (6X75)	100	63325.060.030	10/50 (10X126)	20	63325.100.050	16/10 (16X130)	10	63325.160.010
8/10 (8X71)	50	63325.080.010	10/100 (10X176)	20	63325.100.100	16/25 (16X145)	10	63325.160.025
8/30 (8X91)	50	63325.080.030	12/20 (12X116)	20	63325.120.020	16/50 (16X170)	10	63325.160.050
8/50 (8X111)	50	63325.080.050	12/30 (12X126)	20	63325.120.030			
10/20 (10X96)	50	63325.100.020	12/50 (12X146)	20	63325.120.050			

Anchor bolt

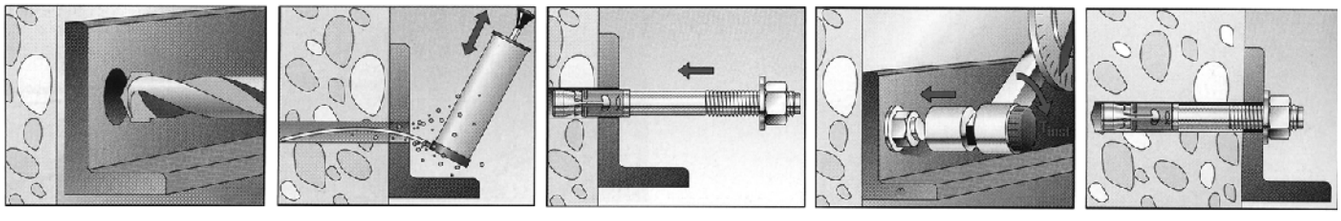


Technical data

Type	d	L	d_o	Min. t_d	h_{ef}	t_{fix}	s	Ring ø	k_N
FAZ II 8/10	M8	77	8	75	45	10	13	16X1,6	2,4
FAZ II 8/30	M8	97	8	95	45	30	13	16X1,6	2,4
FAZ II 8/50	M8	117	8	115	45	50	13	16X1,6	2,4
FAZ II 8/100	M8	167	8	165	45	100	13	16X1,6	2,4
FAZ II 8/150	M8	217	8	215	45	150	13	16X1,6	2,4
FAZ II 10/10	M10	95	10	90	60	10	17	20X2	4,3
FAZ II 10/20	M10	105	10	100	60	20	17	20X2	4,3
FAZ II 10/30	M10	115	10	110	60	30	17	20X2	4,3
FAZ II 10/50	M10	135	10	130	60	50	17	20X2	4,3
FAZ II 10/80	M10	165	10	160	60	80	17	20X2	4,3
FAZ II 10/100	M10	185	10	180	60	100	17	20X2	4,3
FAZ II 10/150	M10	235	10	230	60	150	17	20X2	4,3
FAZ II 12/10	M12	110	12	105	70	10	19	24X2,5	7,6
FAZ II 12/20	M12	120	12	115	70	20	19	24X2,5	7,6
FAZ II 12/30	M12	130	12	125	70	30	19	24X2,5	7,6
FAZ II 12/50	M12	180	12	145	70	50	19	24X2,5	7,6
FAZ II 12/80	M12	180	12	175	70	80	19	24X2,5	7,6
FAZ II 12/100	M12	200	12	195	70	100	19	24X2,5	7,6
FAZ II 12/150	M12	250	12	245	70	150	19	24X2,5	7,6
FAZ II 12/200	M12	300	12	295	70	200	19	24X2,5	7,6
FAZ II 16/25	M16	150	16	140	85	25	24	30X3	13,4
FAZ II 16/50	M16	175	16	165	85	50	24	30X3	13,4
FAZ II 16/100	M16	225	16	215	85	100	24	30X3	13,4
FAZ II 16/150	M16	275	16	265	85	150	24	30X3	13,4
FAZ II 16/200	M16	325	16	315	85	200	24	30X3	13,4
FAZ II 16/250	M16	375	16	365	85	250	24	30X3	13,4
FAZ II 16/300	M16	425	16	415	85	300	24	30X3	13,4
FAZ II 20/30	M20	170	20	155	100	30	30	37X3	17,1
FAZ II 20/60	M20	200	20	185	100	60	30	37X3	17,1
FAZ II 20/150	M20	290	20	275	100	150	30	37X3	17,1
FAZ II 24/30	M24	204	24	185	125	30	36	44X4	24,0
FAZ II 24/60	M24	234	24	215	125	60	36	44X4	24,0

- **d_o = Nominal diameter of drill bit.**
- **Min. t_d = Recommended drilling depth.**
- **h_{ef} = Effective anchorage depth.**
- **t_{fix} = Grip range.**
- **s = Width across flats.**
- **kN = Load in kN.**
- The allowable load is valid for one single anchor, at cracked concrete (tensile zone) with concrete class C20/25, incl. partial safety factor γ_f = 1,4 and if the S_{cr}, N and C_{cr}, N are taken in to account.
- When reduction on spacing and edge distance take place a re-calculation of forces should be carried out by making use of the technical guide or calculation software, they are available on request.
- Final calculations should comply with the complete European Technical Approval (ETA), this approval is also available on request.

Assembly sequence



63323 FISCHER Anchor bolt type FAZ II — N03A

Thread	Metric thread
Material	Steel
Surface treatment	Zinc plated
Packaging	Standard

ETA CE
European Technical Approval
Option 1 for cracked concrete

Final calculations should comply with the complete European Technical Approval (ETA), this approval is also available on request.

Type	✉	Art.number	Type	✉	Art.number	Type	✉	Art.number
FAZII8/10	50	63323.080.010	FAZII10/100	20	63323.100.100	FAZII16/50	10	63323.160.050
FAZII8/30	50	63323.080.030	FAZII12/10	20	63323.120.010	FAZII16/100	10	63323.160.100
FAZII8/50	50	63323.080.050	FAZII12/20	20	63323.120.020	FAZII16/200	10	63323.160.200
FAZII8/100	25	63323.080.100	FAZII12/30	20	63323.120.030	FAZII16/250	10	63323.160.250
FAZII10/10	50	63323.100.010	FAZII12/50	20	63323.120.050	FAZII16/300	10	63323.160.300
FAZII10/20	25	63323.100.020	FAZII12/80	20	63323.120.080	FAZII20/30	5	63323.200.030
FAZII10/30	25	63323.100.030	FAZII12/100	20	63323.120.100	FAZII20/60	5	63323.200.060
FAZII10/50	20	63323.100.050	FAZII12/200	10	63323.120.200	FAZII24/30	5	63323.240.030
FAZII10/80	20	63323.100.080	FAZII16/25	10	63323.160.025	FAZII24/60	5	63323.240.060