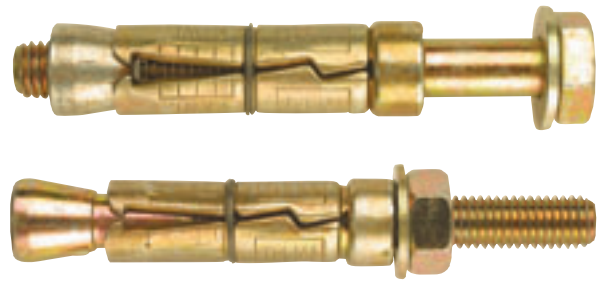


Rawlbolt Shield Anchors

Heavy duty fixing for concrete and most types of masonry

Ideal general purpose anchor bolt with excellent tolerance to variation in hole size

All steel assembly for maximum performance even in fire situations



Loose Bolt Zinc Plated

Code	Description	Thread	Bolt Length (mm)	Shield Length (mm)	Max. Fixture Thickness(mm)	Hole Dia(mm)		Min. Hole Depth(mm)	Minimum Substrate(mm)
						In Substrate	In Fixture		
44-015	M6 10L	M6	55	45	10	12	6.5	50	70
44-020	M6 25L	M6	70	45	25	12	6.5	50	70
44-025	M6 40L	M6	85	45	40	12	6.5	50	70
44-055	M8 10L	M8	65	50	10	14	9	55	80
44-060	M8 25L	M8	80	50	25	14	9	55	80
44-065	M8 40L	M8	95	50	40	14	9	55	80
44-105	M10 10L	M10	75	60	10	16	11	65	100
44-110	M10 25L	M10	90	60	25	16	11	65	100
44-115	M10 50L	M10	115	60	50	16	11	65	100
44-120	M10 75L	M10	140	60	75	16	11	65	100
44-155	M12 10L	M12	90	75	10	20	13	85	120
44-160	M12 25L	M12	105	75	25	20	13	85	120
44-165	M12 40L	M12	120	75	40	20	13	85	120
44-170	M12 60L	M12	140	75	60	20	13	85	120
44-205	M16 15L	M16	135	115	15	25	17	125	190
44-210	M16 30L	M16	150	115	30	25	17	125	190
44-215	M16 60L	M16	180	115	60	25	17	125	190
44-255	M20 60L	M20	195	130	60	32	22	140	220
44-260	M20 100L	M20	235	130	100	32	22	140	220
44-305	M24 100L	M24	255	150	100	38	26	160	240
44-310	M24 150L	M24	300	150	150	38	26	160	240

Bolt Projecting Zinc Plated

Code	Description	Thread	Bolt Length (mm)	Shield Length (mm)	Max. Fixture Thickness(mm)	Hole Dia(mm)		Min.Hole Depth(mm)	Minimum Substrate(mm)
						In Substrate	In Fixture		
44-505	M6 10P	M6	65	45	10	12	6.5	50	70
44-510	M6 25P	M6	80	45	25	12	6.5	50	70
44-515	M6 60P	M6	115	45	60	12	6.5	50	70
44-555	M8 10P	M8	75	50	10	14	9	55	80
44-560	M8 25P	M8	90	50	25	14	9	55	80
44-565	M8 60P	M8	125	50	60	14	9	55	80
44-605	M10 15P	M10	90	60	15	16	11	65	100
44-610	M10 30P	M10	105	60	30	16	11	65	100
44-615	M10 60P	M10	135	60	60	16	11	65	100
44-655	M12 15P	M12	110	75	15	20	13	85	120
44-660	M12 30P	M12	125	75	30	20	13	85	120
44-665	M12 75P	M12	170	75	75	20	13	85	120
44-705	M16 15P	M16	150	115	15	25	17	125	190
44-710	M16 35P	M16	170	115	35	25	17	125	190
44-715	M16 75P	M16	210	115	75	25	17	125	190
44-755	M20 15P	M20	170	130	15	32	22	140	220
44-760	M20 30P	M20	185	130	30	32	22	140	220
44-765	M20 100P	M20	255	130	100	32	22	140	220
44-805	M24 75P	M24	255	150	75	38	26	160	240
44-810	M24 120P	M24	300	150	120	38	26	160	240

Rawlbolt Shields

Ideal for installation of heavy equipment where deep setting is required (using spacers)

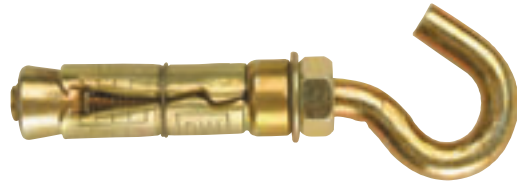


Zinc Plated

Code	Description	Thread	Shield Length(mm)	Min.Hole Depth(mm)	Hole Dia(mm)
44-010	M6S	M6	45	50	12
44-050	M8S	M8	50	55	14
44-100	M10S	M10	60	65	16
44-150	M12S	M12	75	85	20
44-200	M16S	M16	115	125	25
44-250	M20S	M20	130	140	32
44-300	M24S	M24	150	160	38

Rawlbolt Hooks

Provides a secure anchor for hanging items



Zinc Plated

Code	Description	Thread	Shield Length(mm)	Overall Length(mm)	Hole Dia(mm)	Min.Hole Depth (mm)	Approx Dia. in Hook (mm)
44-401	M6H	M6	45	83	12	50	8
44-406	M8H	M8	50	98	14	55	10
44-411	M10H	M10	60	120	16	65	12
44-416	M12H	M12	75	145	20	85	16

Rawlbolt Eyes

Suitable for temporary or permanent anchorage



Zinc Plated

Code	Description	Thread	Shield Length(mm)	Overall Length(mm)	Hole Dia(mm)	Min.Hole Depth (mm)	Approx Dia. in Eye(mm)
44-432	M6E	M6	45	73	12	50	10
44-437	M8E	M8	50	87	14	55	12
44-442	M10E	M10	60	108	16	65	14
44-447	M12E	M12	75	130	20	85	17

Wedge Anchors

For permanently fixing threaded sockets in concrete and good quality stone

Ideal for secure fixing for mechanical services, cable trays, suspended ceilings etc.

Securing equipment that may need to be removed or replaced



Zinc Plated

Code	Thread	Anchor Length(mm)	Thread Length (mm)	Hole Dia (mm)	Min. Hole Depth (mm)	Setting Tool	
						Manual	SDS Plus
77-108	M6	25	11	8	27	77-208	77-209
77-120	M8	30	13	10	32	77-220	77-221
77-132	M10	40	15	12	42	77-232	77-233
77-141	M12	50	20	15	52	77-241	77-242
77-150	M16	65	25	20	67	77-250	77-251 (SDS Max)
77-162	M20	80	35	25	82	77-262	77-263 (SDS Max)

Rawl R-SPT Throughbolts

For high performance through fixing in concrete

Eliminates the need for marking out

Allows fast and accurate installation



Zinc Plated

Code	Thread	Bolt Length(mm)	Thread Length(mm)	Maximum Fixture Thickness(mm)	Hole Dia(mm)		Min. Hole Depth(mm)
					In Concrete	In Fixture	
56-102	M6	40	13	-	6	6.5	-
56-104	M6	55	25	-	6	6.5	-
56-108	M6	70	25	12	6	6.5	50
56-112	M6	95	25	36	6	6.5	50
56-114	M8	50	14	-	8	9	-
56-116	M8	65	25	-	8	9	-
56-120	M8	80	25	15	8	9	55
56-124	M8	105	25	40	8	9	55
56-126	M8	120	25	55	8	9	55
56-129	M10	65	21	-	10	11	-
56-128	M10	80	30	7	10	11	60
56-132	M10	95	30	22	10	11	60
56-136	M10	115	30	42	10	11	60
56-138	M10	130	30	57	10	11	60
56-139	M12	80	30	-	12	13	-
56-140	M12	100	40	4	12	13	80
56-144	M12	120	40	24	12	13	80
56-148	M12	135	40	39	12	13	80
56-150	M12	150	40	54	12	13	80
56-154	M16	90	32	-	16	18	-
56-153	M16	105	47	-	16	18	-
56-152	M16	140	60	20	16	18	100
56-156	M16	180	60	60	16	18	100
56-158	M16	220	60	100	16	18	100
56-159	M20	125	65	-	20	22	-
56-160	M20	160	65	20	20	22	120
56-164	M20	200	65	60	20	22	120
56-166	M20	300	65	100	20	22	120
56-168	M24	180	65	20	24	26	135
56-172	M24	260	65	100	24	26	135

Rawlok Sleeve Anchors

Ideal for general purpose applications in a wide range of materials including concrete, brickwork and blockwork (over 7N/mm²)

Through fixing, allows drilling through pre-positioned fixture.
No marking out required.



Loose Bolt Zinc Plated

Code	Description	Thread	Bolt Length (mm)	Washer Dia. (mm)	Max. Fixture Thickness(mm)	Hole Dia(mm)	Min. Hole Depth(mm)	Min. Substrate Thickness(mm)
69-708	M6 9L (R8042L)	M6	42	12.5	9	8	35	50
69-710	M6 35L (R8066L)	M6	66	12.5	35	8	35	50
69-714	M8 9L (R10048L)	M8	48	17	9	10	45	70
69-716	M8 35L (R10075L)	M8	75	17	35	10	45	70
69-720	M10 9L (R12058L)	M10	58	21	9	12	55	85
69-722	M10 35L (R12070L)	M10	70	21	35	12	55	85
69-728	M12 40L (R16110L)	M12	110	24	40	16	70	105

Hex Nut Zinc Plated

Code	Description	Thread	Bolt Length (mm)	Washer Dia. (mm)	Max. Fixture Thickness(mm)	Hole Dia(mm)	Min. Hole Depth(mm)	Min. Substrate Thickness(mm)
69-504	M4.5 9P (R6038)	M4.5	38	9	9	6	30	50
69-506	M4.5 27P (R6058)	M4.5	58	9	27	6	30	50
69-508	M6 9P (R8042)	M6	42	12.5	9	8	35	50
69-510	M6 35P (R8066)	M6	66	12.5	35	8	35	50
69-512	M6 60P (R8092)	M6	92	12.5	60	8	35	50
69-514	M8 9P (R10048)	M8	48	17	9	10	40	70
69-516	M8 36P (R10075)	M8	75	17	36	10	40	70
69-518	M8 60P (R10100)	M8	100	17	60	10	40	70
69-520	M10 9P (R12058)	M10	58	21	9	12	50	80
69-522	M10 22P (R12070)	M10	70	21	22	12	50	80
69-524	M10 50P (R12098)	M10	98	21	50	12	50	80
69-525	M10 80P (R12126)	M10	126	21	80	12	50	80
69-526	M12 13P (R16064)	M12	64	24	13	16	55	80
69-528	M12 55P (R16108)	M12	108	24	55	16	55	80
69-530	M12 90P (R16142)	M12	142	24	90	16	55	80
69-533	M16 25P (R20082)	M16	82	30	25	20	60	90
69-534	M16 57P (R20114)	M16	114	30	57	20	60	90
69-536	M16 100P (R20158)	M16	158	30	100	20	60	90

Flat Head Countersunk Zinc Plated

Code	Description	Thread	Bolt Length (mm)	Head Dia. (mm)	Max. Fixture Thickness(mm)	Hole Dia(mm)	Min. Hole Depth(mm)	Min. Substrate Thickness(mm)
69-572	M4.5 28F (R6058F)	M4.5	58	12	28	6	30	60
69-574	M4.5 46F (R6076F)	M4.5	76	12	46	6	30	60
69-576	M4.5 70F (R6098F)	M4.5	98	12	70	6	30	60
69-578	M6 28F (R8060F)	M6	60	14	28	8	35	60
69-580	M6 52F (R8086F)	M6	86	14	52	8	35	60
69-582	M8 35F (R10074F)	M8	74	16	35	10	40	70
69-584	M8 62F (R10102F)	M8	102	16	62	10	40	70

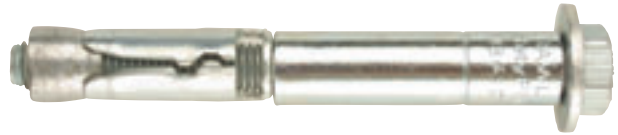
Round Head Zinc Plated

Code	Description	Thread	Bolt Length (mm)	Head Dia. (mm)	Max. Fixture Thickness(mm)	Hole Dia(mm)	Min. Hole Depth(mm)	Min. Substrate Thickness(mm)
69-604	M4.5 25R (R6054R)	M4.5	54	11	25	6	30	60
69-608	M4.5 67R (R6096R)	M4.5	96	11	67	6	30	60
69-610	M6 25R (R8058R)	M6	58	12	25	8	35	60
69-612	M6 50R (R8082R)	M6	82	12	50	8	35	60
69-614	M8 25R (R10064R)	M8	64	16	25	10	40	80
69-616	M8 52R (R10092R)	M8	92	16	52	10	40	80

SafetyPlus Anchors

High performance through fixing for concrete, including cracked concrete

Provides maximum security in safety critical applications



Loose Bolt Zinc Plated

Code	Description	Thread	Bolt Length (mm)	Max. Fixture Thickness (mm)	Hole Dia(mm)		Min. Hole Depth (mm)	Min. Substrate Thickness (mm)
					In Concrete	In Fixture		
50-010	M8 15L	M8	90	15	12	14	80	120
50-015	M8 40L	M8	115	40	12	14	80	120
50-020	M10 20L	M10	105	20	15	17	90	140
50-025	M10 40L	M10	125	40	15	17	90	140
50-030	M10 60L	M10	145	60	15	17	90	140
50-035	M12 25L	M12	125	25	18	20	105	160
50-040	M12 50L	M12	150	50	18	20	105	160
50-050	M16 25L	M16	145	25	24	26	125	200
50-055	M16 50L	M16	170	50	24	26	125	200
50-065	M20 30L	M20	175	30	28	30	155	240



Bolt Projecting Zinc Plated

Code	Description	Thread	Bolt Length (mm)	Max. Fixture Thickness (mm)	Hole Dia(mm)		Min. Hole Depth (mm)	Min. Substrate Thickness (mm)
					In Concrete	In Fixture		
50-110	M8 15P	M8	95	15	12	14	80	120
50-120	M10 20P	M10	110	20	15	17	90	140
50-125	M10 40P	M10	130	40	15	17	90	140
50-135	M12 25P	M12	135	25	18	20	105	160
50-140	M12 50P	M12	160	50	18	20	105	160
50-150	M16 25P	M16	160	25	24	26	125	200
50-155	M16 50P	M16	185	50	24	26	125	200
50-165	M20 30P	M20	190	30	28	30	155	240



Countersunk Loose Bolt Zinc Plated

Code	Description	Thread	Bolt Length (mm)	Max. Fixture Thickness (mm)	Hole Dia(mm)		Min. Hole Depth (mm)	Min. Substrate Thickness (mm)
					In Concrete	In Fixture		
50-210	M8 20	M8	90	20	12	14	80	120
50-220	M10 25	M10	105	25	15	17	90	140
50-235	M12 30	M12	125	30	18	20	105	160
50-250	M16 30	M16	145	30	24	26	125	200

Chemical Capsule Resin Anchors

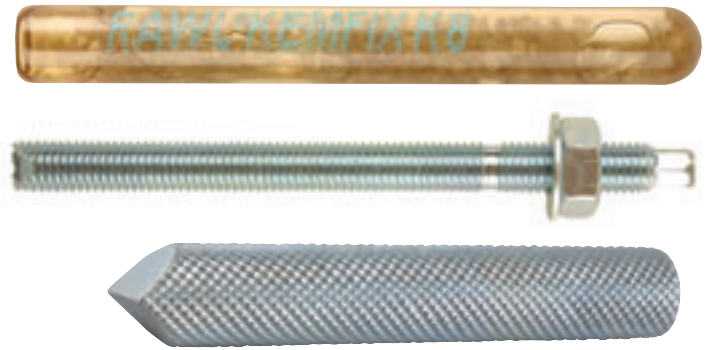
R-CAS Kemfix Capsule (Epoxy Acrylate)

High performance resin anchor system for safety critical structural applications

Stress free fixing for a variety of solid substrates

For use with studs or sockets in concrete and brickwork

Capsule is broken by the action of driving the stud in with a drilling machine



Stud/ Capsule Dia(mm)	Stud Length (mm)		Max. Fixture Thickness(mm)		Hole Dia(mm)		Hole Depth (mm)	Stud Product Code		Capsule Code	Stud Drive Unit
	Z.P.	St. Steel	Z.P.	St. Steel	In Fixture	In Concrete		Z.P.	St. Steel		
M8/8	110	110	17	17	9	10	80	60-708	60-906	60-428	60-709
M10/10	130	130	28	28	11	12	90	60-710	60-911	60-430	60-711
M12/12	160	160	36	36	13	14	110	60-712	60-916	60-432	60-713
M16/16	190	190	42	42	17	18	125	60-716	60-921	60-436	60-717
M20/20	260	240	90	70	22	25	145	60-720	60-926	60-440	60-731
M20L/20	260	240	65	45	22	25	170	60-720	60-926	60-442	60-731
M24/24	295	295	85	85	26	28	180	60-724	60-931	60-444	60-732
M24L/24	295	295	55	55	26	28	210	60-724	60-931	60-446	60-732
M30/30	-	-	-	-	33	35	280	-	-	60-699	-

Internal Threaded Sockets

Thread	Socket Length (mm)	Thread Length (mm)	Hole Dia(mm)		Hole Depth (mm)	Use With Capsule	Socket		Driver Code
			In Fixture	In Concrete			Z.P.	St. Steel	
M6	75	24	7	12	75	R-CAS 10	60-620	-	60-690
M6	75	24	7	14	75	R-CAS 10	-	60-985	60-690
M8	90	25	9	14	90	R-CAS 12	60-623	60-988	60-692
M10	100	30	11	20	100	R-CAS 16	60-626	60-992	60-694
M12	100	35	13	20	100	R-CAS 16	60-628	-	60-696
M12	100	35	13	22	100	R-CAS 16	-	60-993	60-696
M16	125	50	17	28	125	R-CAS 20	60-630	60-995	60-698

Accessories

Code	Item	To Suit
60-980	Brush	M8-10mm
60-981	Brush	M10-14mm
60-982	Brush	M16-28mm
60-687	Blow Pump	
60-780	SDS Adaptor	

Curing Times

Temp °C	20+	11-20	6-10	1-5	-5-0
Cure Time Dry	30 Mins	1Hour	3Hours	6Hours	15Hours
Cure Time Wet	1Hour	2Hours	6Hours	12Hours	30Hours

Chemical Capsule Resin Anchors

R-HAC Capsule (Epoxy Acrylate)

Simple stress free resin anchor for concrete

Ideal for starter bars, rebar and structural steelwork

Unique design allows the use of standard studding cut to length

Stud is simply hammered into capsule



Stud Applications

Stud/Capsule (mm)	Hole Dia(mm)		Hole Depth(mm)	Capsule Code
	In Fixture	In Concrete	In Concrete	
M8/8	9	10	80	60-600
M10/10	11	12	100	60-601
M12/12	13	14	120	60-602
M16/16	17	18	160	60-603
M20/20	22	25	200	60-604
M24/24	26	28	240	60-605
M30/30	32	35	300	60-606

Rebar Applications

Capsule Type	Rebar Dia(mm)		Hole Dia(mm)	Hole Depth(mm)	Number of Capsules	Hole Depth(mm)	Number of Capsules	Capsule Code
	Nominal	Actual	In Concrete	In Concrete		In Concrete		
10	10	11.5	13	100	1	200	2	60-601
12	12	13.9	15	120	1	240	2	60-602
16	16	18.7	20	160	1	320	2	60-603
20	20	23.4	25	200	1	400	2	60-604
24	25	29.2	30	250	1	500	2	60-605
30	30	37.4	38	320	1	640	2	60-606

Accessories

Code	Item	To Suit
60-980	Brush	M8-10mm
60-981	Brush	M10-14mm
60-982	Brush	M16-28mm
60-687	Blow Pump	
60-780	SDS Adaptor	
60-782	R-HAC Setting Tool	

Curing Times

Temp °C	20+	11-20	1-10	-5-0
Cure Time Dry	1 Hour	2 Hours	5 Hours	10 Hours
Cure Time Wet	2 Hours	4 Hours	10 Hours	20 Hours

Chemical Cartridge Resin Anchors

R-KF2 Kemfast

Code	Size	Description
60-200	380ml	General purpose two part mix in the nozzle polyester resin, for solid and hollow structures, supplied with nozzle

Holes per 380ml Cartridge (Approx)

Diameter						
M8	M10	M12	M16	M20	M24	M30
84	61	42	28	7	6	3

Curing Times					
Temperature °C	30	25	15	5	
Gel Time (mins)	4	7	15	30	
Cure Time (mins)	30	60	120	180	

R-KSF Surefix

Code	Size	Description
60-150	150ml	Styrene free resin, offering similar performance and features as R-KF2 Kemfast, supplied with nozzle

Holes per 150ml Cartridge (Approx)

Diameter						
M8	M10	M12	M16	M20	M24	M30
33	24	16	11	3	2	1

Curing Times					
Temperature °C	30	25	15	5	
Gel Time (mins)	4	7	15	30	
Cure Time (mins)	30	60	120	180	

R-KEX

Code	Size	Description
60-170	450ml	High performance two part mix in the nozzle epoxy resin, for structural applications, supplied with nozzle

Holes per 450ml Cartridge (Approx)

Diameter						
M8	M10	M12	M16	M20	M24	M30
99	72	50	34	9	7	4

Curing Times					
Temperature °C	30	25	15	5	
Gel Time (mins)	30	40	50	-	
Cure Time (mins)	4	5	7	-	

Mixer Nozzles

Code	Description
60-642	Nozzle (R-KF2, R-KSF, R-KEA, R-KEM)
60-228	Nozzle (R-KEX)



R-KEA

Code	Size	Description
60-852	380ml	Epoxy acrylate two part mix in the nozzle resin, giving higher load performances than polyester resins, supplied with nozzle

Holes per 380ml Cartridge (Approx)

Diameter						
M8	M10	M12	M16	M20	M24	M30
84	61	42	28	7	6	4

Curing Times					
Temperature °C	30	25	15	5	
Gel Time (mins)	3	5	10	20	
Cure Time (mins)	20	30	60	120	

R-KEM

Code	Size	Description
60-270	300ml	Methyl acrylate ester, styrene free two part mix in the nozzle resin, effective in permanently damp conditions, supplied with nozzle

Holes per 300ml Cartridge (Approx)

Diameter						
M8	M10	M12	M16	M20	M24	M30
66	48	33	22	5	3	3

Curing Times					
Temperature °C	30	25	15	5	
Gel Time (mins)	4	7	15	30	
Cure Time (mins)	30	60	120	180	

Chemical Cartridge Resin Anchors

Studs

Thread	Stud Overall Length(mm)		Max. Fixture Thickness(mm)		Hole Dia(mm)		Hole Depth (mm)	Product Code	
	Z.P.	St. Steel	Z.P.	St. Steel	In Fixture	In Concrete		Z.P.	St. Steel
M8	110	110	17	17	9	10	80	60-708	60-906
M10	130	130	28	28	11	12	90	60-710	60-911
M12	160	160	36	36	13	14	110	60-712	60-916
M16	190	190	42	42	17	18	125	60-716	60-921
M20	260	240	90	70	22	24	145	60-720	60-926
M24	295	295	85	85	26	28	180	60-724	60-931

Internal Threaded Sockets

Thread	Socket Length (mm)	Thread Length (mm)	Hole Dia(mm)		Hole Depth (mm)	Product Code	
			In Fixture	In Concrete		Z.P.	St. Steel
M6	75	24	7	12	75	60-620	-
M8	75	24	7	14	75	-	60-985
M8	75	25	9	14	75	60-622	60-987
M8	90	25	9	14	90	60-623	60-988
M10	75	30	11	20	30	60-624	60-989
M10	100	30	11	20	100	60-626	60-992
M12	100	35	13	20	100	60-628	-
M12	100	35	13	22	100	-	60-993
M16	125	50	17	28	125	60-630	60-995

Wire Mesh Sleeves

Code	Dia (mm)	Length (mm)	Hole Dia (mm)	Stud Size
60-805	11	85	12	M6/M8
60-807	15	95	16	M10
60-809	15	130	16	M10
60-111	15	200	16	M10
60-113	17	95	18	M12
60-115	17	200	18	M12
60-117	21	200	22	M16

Plastic Sleeves

Code	Dia (mm)	Length (mm)	Hole Dia (mm)	Stud Size
60-607	13	80	16	M6/M8
60-609	13	130	16	M10
60-615	18	85	20	M12/M16

Guns

Code	Description
60-660	Gun (R-KF2, R-KEA)
60-160	Gun (R-KSF, R-KEM)
60-645	Gun (R-KEX)
60-172	Professional Gun (R-KSF, R-KEM)

Accessories

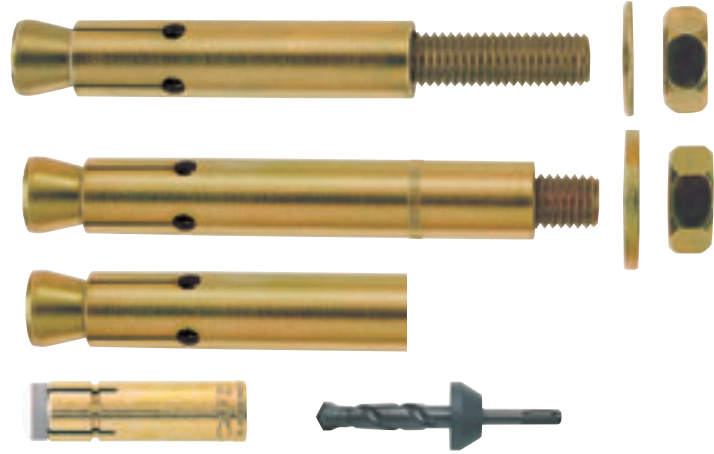
Code	Item	To Suit
60-980	Brush	M8-10mm
60-981	Brush	M10-14mm
60-982	Brush	M16-28mm
60-687	Blow Pump	



Fischer Zykon High Performance Stress Free Undercut Anchors

Positive form-locking in the undercut drill-hole.
High ultimate and recommended loads in both the
compression or tensile zones of concrete.

Simple installation - just one drill bit required for
drilling and undercutting the hole (no need to
change tools)



Bolt Anchor FZA Zinc Plated & Passivated Steel

Code	Description & Size(mm)	Drill Dia(mm)	Anchorage Depth(mm)	Max Usable Length(mm)	Use with Drillbit	Use with Setting Tool	Box Qty
60712	FZA 10 x 40 M6/10	10	40	10	FZUB 10 x 40	FZUE 10 or FZE 10	25
60715	FZA 12 x 40 M8/15	12	40	15	FZUB 12 x 40	FZUE 12 or FZE 12	25
60718	FZA 14 x 40 M10/25	14	40	25	FZUB 14 x 40	FZUE 14 or FZE 14	25
60716	FZA 12 x 50 M8/15	12	50	15	FZUB 12 x 50	FZUE 12 or FZE 12	20
60719	FZA 14 x 60 M10/25	14	60	25	FZUB 14 x 60	FZUE 14 or FZE 14	10
60721	FZA 18 x 80 M12/25	18	80	25	FZUB 18 x 80	FZUE 18 or FZE 18	10
60724	FZA 22 x 100 M16/60	22	100	60	FZUB 22 x 100	FZE 22	10
60725	FZA 22 x 125 M16/80	22	125	60	FZUB 22 x 125	FZE 22	6

Push Through Anchor FZA D Zinc Plated & Passivated Steel

Code	Description & Size(mm)	Drill Dia(mm)	Anchorage Depth(mm)	Max Usable Length(mm)	Use with Drillbit	Use with Setting Tool	Box Qty
60652	FZA 12 x 50 M8 D/10	12	40	10	FZUB 12 x 50	FZUE 12 or FZE 12	25
60653	FZA 12 x 60 M8 D/10	12	50	10	FZUB 12 x 60	FZUE 12 or FZE 12	25
60654	FZA 12 x 80 M8 D/30	12	50	30	FZUB 12 x 80	FZUE 12 or FZE 12	25
60657	FZA 14 x 80 M10 D/20	14	60	20	FZUB 14 x 80	FZUE 14 or FZE 14	10
60658	FZA 14 x 100 M10 D/40	14	60	40	FZUB 14 x 100	FZUE 14 or FZE 14	10
60684	FZA 18 x 100 M12 D/20	18	80	20	FZUB 18 x 100	FZUE 18 or FZE 18	10
60685	FZA 18 x 130 M12 D/50	18	80	50	FZUB 18 x 130	FZUE 18 or FZE 18	10
60663	FZA 22 x 125 M16 D/25	22	100	25	FZUB 22 x 125	FZE 22	10

Internally Threaded Anchor FZA I Zinc Plated & Passivated Steel

Code	Description & Size(mm)	Drill Dia(mm)	Anchorage Depth(mm)	Max Usable Length(mm)	Use with Drillbit	Use with Setting Tool	Box Qty
60758	FZA 12 x 40 M6 I	12	40	8 - 13	FZUB 12 x 40	FZE 12	25
60760	FZA 14 x 60 M8 I	14	60	11 - 17	FZUB 14 x 60	FZE 14	20
60761	FZA 18 x 80 M10 I	18	80	13 - 21	FZUB 18 x 80	FZE 18	10
60763	FZA 22 x 100 M12 I	22	100	15 - 25	FZUB 22 x 100	FZE 22	10
60769	FZA 22 x 125 M12 I	22	125	15 - 25	FZUB 22 x 125	FZE 22	10

Hammerset Anchor FZEA Zinc Plated & Passivated Steel

Code	Description & Size(mm)	Drill Dia(mm)	Anchorage Depth(mm)	Bolt Penetration Min - Max(mm)	Use with Drillbit	Use with Setting Tool	Box Qty
60694	FZEA 10 x 40 M8	10	40	11- 17	FZUB 10 x 40	FZED 10 or FZEM 10	100
60695	FZEA 12 x 40 M10	12	40	13 - 19	FZUB 12 x 40	FZED 12 or FZEM 12	100
60696	FZEA 14 x 40 M12	14	40	15 - 21	FZUB 14 x 40	FZED 14 or FZEM 14	50

Hollow Ceiling Anchors

For hollow core floor slabs and solid materials

For fixing laths, timber battens, metal partitions, ventilation pipes, suspended ceilings etc.



Fischer FHY Hollow Ceiling Anchor Zinc Plated and Passivated Steel

Code	Description	Size (mm)	Drill Dia(mm)	Min Hole Depth(mm)	Min. Anchorage Depth(mm)	Bolt Penetration(mm)		Box Qty
						Min	Max	
30138	FHY M6	6 x 37	10	45	30	37	45	50
30146	FHY M8	8 x 43	12	50	35	43	55	25
30148	FHY M10	10 x 52	16	60	40	52	60	20

Nail Anchors

For hammer-set installation in concrete

For fixing laths, timber battens, metal partitions, chains, ropes, wire hangers, fire partitions, ventilation pipes, suspended ceilings etc.



Fischer FNA Nail Anchor Zinc Plated and Passivated Steel

Code	Description	Size (mm)	Drill Dia(mm)	Min Hole Depth(mm)	Min. Anchorage Depth(mm)	Max Usable Length(mm)	Box Qty
50938	FNA 6 x 30/5	6 x 45	6	50	30	5	100
50940	FNA 6 x 30/30	6 x 71	6	75	30	30	50
50942	FNA 6 x 30/50	6 x 91	6	95	30	50	50
50941	FNA 6 x 30/75	6 x 111	6	115	30	70	50
50943	FNA 6 x 30/100	6 x 145	6	145	30	100	50
50944	FNA 6 x 30/120	6 x 165	6	165	40	120	50
50936	FNA 6 x 40/5	6 x 55	6	60	40	5	50

Spring Nail Anchors

Eliminates the need to 'Plug and Screw'



Fischer FNH Spring Nail Anchor Zinc Plated Steel

Code	Description	Size (mm)	Drill Dia(mm)	Min Hole Depth(mm)	Min. Anchorage Depth(mm)	Max Usable Length(mm)	Box Qty
19863	FNH 6/30	6 x 30	6	40	30	0	100
19864	FNH 6/60	6 x 60	6	40	30	30	100
19865	FNH 6/80	6 x 80	6	40	30	50	100
19866	FNH 8/70	8 x 70	8	50	40	30	100
19867	FNH 8/90	8 x 90	8	50	40	50	50
19868	FNH 8/110	8 x 110	8	50	40	70	50
19869	FNH 8/130	8 x 130	8	50	40	90	50
19870	FNH 8/150	8 x 150	8	50	40	110	50

Fischer Injection Systems

Highbond Injection Anchor FHB

Description

Injection anchor suitable for tensile zone of concrete
 Consisting of anchor rod and high strength injection resin
 Safe and simple to install - no setting tool required
 Ensures post-expansion in any crack in concrete
 Ideal for the attachment of façade brackets, metal structures, brackets, railway stanchions etc.



Highbond Anchor FHB Zinc Plated & Passivated Steel

Code	Description	Min Hole Depth(mm)	Drill Dia(mm)	Max Fixture Thickness(mm)	Box Qty
37422	FHB-A 10 x 60/10	65	12	10	10
37436	FHB-A 10 x 60/20	65	12	20	10
37438	FHB-A 10 x 60/60	65	12	60	10
37439	FHB-A 10 x 60/100	65	12	100	10
37440	FHB-A 12 x 80/10	85	14	10	10
37441	FHB-A 12 x 80/25	85	14	25	10
37442	FHB-A 12 x 80/50	85	14	50	10
37443	FHB-A 12 x 80/100	85	14	100	10
37444	FHB-A 12 x 80/165	85	14	165	10
37445	FHB-A 12 x 100/25	105	14	25	10
37446	FHB-A 12 x 100/60	105	14	60	10
37447	FHB-A 12 x 100/100	105	14	100	10
37448	FHB-A 16 x 125/30	130	18	30	10
37449	FHB-A 16 x 125/60	130	18	60	10
37453	FHB-A 16 x 125/100	130	18	100	10
37455	FHB-A 16 x 125/165	130	18	165	10
37458	FHB-A 20 x 170/50	175	24	50	10
37459	FHB-A 24 x 220/50	225	28	50	5

Highbond Injection Cartridge FIS HB 345 S

Code	Description	Size	Box Qty
33211	FIS HB 345 S	345ml	6



Maxigrout Polyester Resin

Description

Formulated on polyester resins designed for quick and easy mixing
 Available in two grades for vertical and horizontal planes
 Designed for anchoring fixings into concrete, masonry, brickwork etc
 Suitable for many types of grouting and bedding work
 Available in standard or rapid grade
 2.0 litre and 10 litre pack sizes
 Maxigrout S Pourable grout for free flow grouting
 Maxigrout P Thixotropic grout for use with a skeleton gun for horizontal and inverted fixings

Applications

Fixing starter bars, dowels
 Fixing crash barriers, railings, parapets
 Grouting in airport runway lights and cable ducts
 Grouting in tiles, mosaics
 Fixing pandrols on rail tracks
 Grouting in holding down bolts on machinery, pylons, masts etc.

Advantages

Quick curing combined with rapid bond strength gain
 Quick, easy mixed and applied
 High compressive, tensile and flexural strengths
 Economical - quantities mixed as required
 Excellent chemical and water resistance
 Grey colour to match concrete
 Yield: 520cc/kg



Estimating Guide

Hole Dia (mm)	Bar Dia(mm)							
	12	16	20	25	32	38	45	50
16	11	-	-	-	-	-	-	-
20	24	15	-	-	-	-	-	-
25	46	35	22	-	-	-	-	-
32	-	74	60	39	-	-	-	-
38	-	-	-	78	40	-	-	-
45	-	-	-	-	95	55	-	-
50	-	-	-	-	-	100	58	-
65	-	-	-	-	-	-	-	151

Volume of grout (cc) required per hole for 100mm bond length
 These figures are for guidance only

Accessories

300ml plastic cartridge

1 litre cardboard cartridge

Brown skeleton gun to suit plastic cartridges

Blue skeleton gun to suit cardboard cartridges

Liebig Safety Bolts



Type S



Type SK



Zinc Plated

Type B	Type S	Type SK	Thread	Overall Length (mm)	Hole Dia(mm)		Hole Depth (mm)	Min. Embedment (mm)	Fixture Thickness (mm)
					In Substrate	In Fixture			
B 10/20	S 10/20	SK 10/20	M6	59	10	11	60	45	0
B 10/35	S 10/35	SK 10/35	M6	74	10	11	60	45	15
B 10/60	S 10/60	SK 10/60	M6	99	10	11	60	45	40
B 10/85			M6	124	10	11	60	45	65
B 10/110			M6	149	10	11	60	45	90
B 12/25	S 12/25	SK 12/25	M8	75	12	13	70	55	0
B 12/40	S 12/40	SK 12/40	M8	90	12	13	70	55	15
B 12/65	S 12/65	SK 12/65	M8	115	12	13	70	55	40
B 12/90			M8	140	12	13	70	55	65
B 12/115			M8	165	12	13	70	55	90
B 12/125			M8	175	12	13	70	55	100
B 12/150			M8	200	12	13	70	55	125
B 12/165			M8	215	12	13	70	55	140
B 12/175			M8	225	12	13	70	55	150
B 12/215			M8	265	12	13	70	55	190
B 15/30	S 15/30	SK 15/30	M10	90	15	16	85	65	0
B 15/45	S 15/45	SK 15/45	M10	105	15	16	85	65	15
B 15/70	S 15/70	SK 15/70	M10	130	15	16	85	65	40
B 15/95			M10	155	15	16	85	65	65
B 15/120			M10	180	15	16	85	65	90
B 15/145			M10	205	15	16	85	65	115
B 15/170			M10	230	15	16	85	65	140
B 15/195			M10	255	15	16	85	65	165
B 15/220			M10	280	15	16	85	65	190
B 20/35	S 20/35	SK 20/35	M12	105	20	21	95	80	0
B 20/50	S 20/50	SK 20/50	M12	120	20	21	95	80	15
B 20/75	S 20/75	SK 20/75	M12	145	20	21	95	80	40
B 20/100			M12	170	20	21	95	80	65
B 20/125			M12	195	20	21	95	80	90
B 20/135			M12	205	20	21	95	80	100
B 20/175			M12	245	20	21	95	80	140
B 20/225			M12	295	20	21	95	80	190
B 20/275			M12	345	20	21	95	80	240
B 25/40	S 25/40		M16	135	25	26	120	100	0
B 25/55	S 25/55	SK 25/55	M16	150	25	26	120	100	15
B 25/80	S 25/80	SK 25/80	M16	175	25	26	120	100	40
B 25/105			M16	200	25	26	120	100	65
B 25/130			M16	225	25	26	120	100	90
B 25/165			M16	260	25	26	120	100	125
B 25/190			M16	285	25	26	120	100	150
B 25/240			M16	335	25	26	120	100	200
B 30/50	S 30/50		M20	165	30	31	145	125	0
B 30/65	S 30/65		M20	180	30	31	145	125	15
B 30/90	S 30/90		M20	205	30	31	145	125	40
B 30/115			M20	230	30	31	145	125	65
B 30/140			M20	255	30	31	145	125	90
B 30/160			M20	275	30	31	145	125	110
B 30/210			M20	325	30	31	145	125	160
B 30/225			M20	340	30	31	145	125	175
B 30/275			M20	390	30	31	145	125	225

Excalibur Screwbolts

All Purpose Anchors

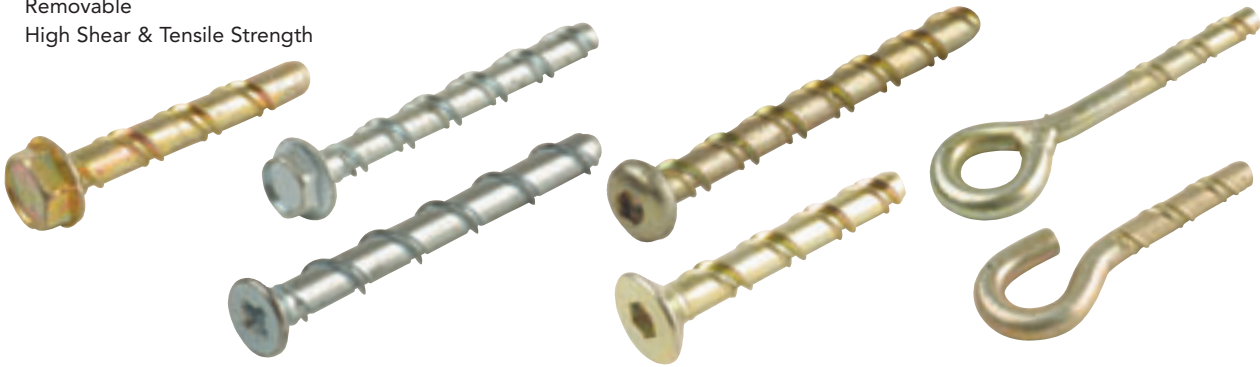
Universal anchors for all substrates

Replaces sleeve anchors, through bolts, shields, resin, wedge anchors etc.

Stress Free

Removable

High Shear & Tensile Strength



Hexagon Head Zinc & Yellow Passivated and Stainless Steel

Zinc & Yellow Passivated	Stainless Steel	Size (mm)	Maximum Fixture(mm)	Drill Dia(mm)	Minimum Hole Depth(mm)	Minimum Embedment(mm)	Drive
HSB 06-030	HSB 06/030	6 x 30	3	6	39	27	10mm A/F
HSB 06-050	HSB 06/050	6 x 50	20	6	42	30	10mm A/F
HSB 06-075	HSB 06/075	6 x 75	35	6	52	40	10mm A/F
HSB 06-100	HSB 06/100	6 x 100	50	6	62	50	10mm A/F
HSB 06-150		6 x 150	100	6	62	50	10mm A/F
HSB 08-050	HSB 08/050	8 x 50	14	8	52	36	13mm A/F
HSB 08-075	HSB 08/075	8 x 75	39	8	52	36	13mm A/F
HSB 08-100	HSB 08/100	8 x 100	50	8	66	50	13mm A/F
HSB 10-060	HSB 10/060	10 x 60	15	10	65	45	17mm A/F
HSB 10-075	HSB 10/075	10 x 75	30	10	65	45	17mm A/F
HSB 10-100	HSB 10/100	10 x 100	50	10	70	50	17mm A/F
HSB 10-120	HSB 10/120	10 x 120	70	10	70	50	17mm A/F
HSB 12-075	HSB 12/075	12 x 75	20	12	79	55	19mm A/F
HSB 12-100	HSB 12/100	12 x 100	46	12	78	54	19mm A/F
HSB 12-150	HSB 12/150	12 x 150	96	12	78	54	19mm A/F
HSB 16-100		16 x 100	28	16	104	72	24mm A/F
HSB 16-150		16 x 150	58	16	124	92	24mm A/F
HSB 16-200		16 x 200	108	16	124	92	24mm A/F
HSB 20-100		20 x 100	28	20	112	72	30mm A/F
HSB 20-150		20 x 150	58	20	132	92	30mm A/F
HSB 20-200		20 x 200	108	20	132	92	30mm A/F

Recessed Countersunk Head Zinc & Yellow Passivated

Reference	Size (mm)	Maximum Fixture(mm)	Drill Dia(mm)	Minimum Hole Depth(mm)	Minimum Embedment(mm)	Drive
CSB 06-030	6 x 30	3	6	39	27	3pt Recess
CSB 06-050	6 x 50	20	6	42	30	3pt Recess
CSB 06-075	6 x 75	35	6	52	40	3pt Recess
CSB 06-100	6 x 100	50	6	62	50	3pt Recess
CSB 06-150	6 x 150	100	6	62	50	3pt Recess

Hook Bolts and Eye Bolts Zinc & Yellow Passivated

Hook Bolt	Eye Bolt	Size (mm)	Maximum Fixture(mm)	Drill Dia(mm)	Minimum Hole Depth(mm)	Minimum Embedment(mm)
HYB 06-050	EYB 06-050	6 x 50	-	6	42	30
HYB 08-055	EYB 08-055	8 x 55	-	8	52	36
HYB 10-065	EYB 10-065	10 x 65	-	10	65	45
HYB 12-075	EYB 12-075	12 x 75	-	12	79	55

Excalibur Screwbolts



Torx Single Thread Zinc & Yellow Passivated

Hexagon Head	Countersunk Head	Size (mm)	Maximum Fixture(mm)	Drill Dia(mm)	Minimum Hole Depth(mm)	Minimum Embedment(mm)	Drive
MHT 04-030	MCT 04-030	4 x 30	10	4	30	20	7mm A/F or T20
MHT 04-050	MCT 04-050	4 x 50	30	4	30	20	7mm A/F or T20
MHT 05-030	MCT 05-030	5 x 30	7	5	33	23	7mm A/F or T20
MHT 05-050	MCT 05-050	5 x 50	27	5	33	23	7mm A/F or T20
MHT 05-075	MCT 05-075	5 x 75	52	5	33	23	7mm A/F or T20

Recessed Countersunk Head Single Thread Zinc & Yellow Passivated

Reference	Size (mm)	Maximum Fixture(mm)	Drill Dia(mm)	Minimum Hole Depth(mm)	Minimum Embedment(mm)	Drive
MCP 04-030	4 x 30	10	4	30	20	2pt Recess
MCP 04-050	4 x 50	30	4	30	20	2pt Recess
MCP 05-030	5 x 30	7	5	33	23	2pt Recess
MCP 05-050	5 x 50	27	5	33	23	2pt Recess
MCP 05-075	5 x 75	52	5	33	23	2pt Recess

Socket Countersunk Head and Dome Head Zinc & Yellow Passivated

Countersunk Head	Dome Head	Size (mm)	Maximum Fixture(mm)	Drill Dia(mm)	Minimum Hole Depth(mm)	Minimum Embedment(mm)	Drive
HSA 06-050	DSA 06-050	6 x 50	20	6	42	30	5mm Hex
HSA 06-075	DSA 06-075	6 x 75	35	6	52	40	5mm Hex
HSA 08-050	DSA 08-050	8 x 50	14	8	52	36	6mm Hex
HSA 08-075	DSA 08-075	8 x 75	39	8	52	36	6mm Hex
HSA 08-100		8 x 100	50	8	66	50	6mm Hex
HSA 10-060	DSA 10-060	10 x 60	15	10	65	45	8mm Hex
HSA 10-075	DSA 10-075	10 x 75	30	10	65	45	8mm Hex
HSA 10-100		10 x 100	50	10	70	50	8mm Hex
HSA 12-075	DSA 12-075	12 x 75	20	12	79	55	10mm Hex
HSA 12-100	DSA 12-100	12 x 100	46	12	78	54	10mm Hex
HSA 12-150		12 x 150	96	12	78	54	10mm Hex

Security Conversion Plugs for DSA & HSA Screwbolts

Reference	Size(mm)
PL-06	6
PL-08	8
PL-10	10
PL-12	12