



Lontana group

GENERAL CATALOGUE



EXPERT MANUFACTURERS
WE CREATE, WE BELIEVE



EXPERT FIXING MANUFACTURERS



THE BEST ANCHOR MANUFACTURER IN ASIA



+20
years of experience
with pride



+90
service
countries



+22,000
m² factory



+200





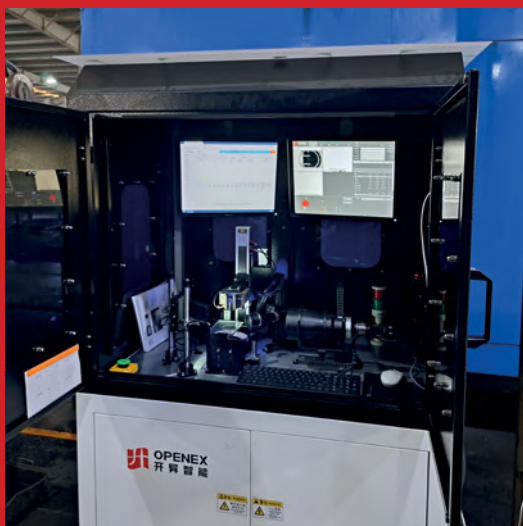
LONDEX

EXPERT FIXING MANUFACTURERS

At **Ningbo LondeX Industrial Co., Ltd.**, we stand out as a global leader in the manufacture of anchors & fastener distributors and service center for wire & strip in the world.

We are committed to meticulously taking care of every stage of the production process to ensure not only the highest quality of our products, but also exceptional service. Strategically located in Cixi City, Zhejiang Province, China, we are perfectly positioned to serve customers worldwide with efficiency and speed.

WE CREATE, WE BELIEVE IT



100% INTEGRATED PRODUCTION

At Londex, we are expert manufacturers offering a wide range of more than 40 types of anchors and fastening systems. Our facilities are equipped with state-of-the-art machinery, including automated stamping, cold forming, nylon and zamak injection and threading equipment, which allows us to fully control every step of the production process. This absolute control guarantees:

- **Maximum quality** of our products.
- **Optimum service** for our customers.
- **100% customised production** of materials, designs and coatings.

We are proud of our **commitment to excellence** and we will continue to innovate and perfect our processes because we firmly believe in what we do.

CERTIFIED QUALITY, ASSURED CONFIDENCE

At Londex, quality is our identity and commitment to each customer.

Certified Excellence

Supported by ISO 9001, ISO 14001 and ISO 45001 certifications, we focus on guaranteeing **maximum reliability and performance in each process**, all of which are subjected to rigorous controls that ensure compliance with the highest standards.

Trusted Quality

This allows us to offer **certified products with globally recognised approvals**, thus sealing an alliance of trust with our customers and reaffirming our commitment to continuous improvement and the satisfaction of their needs.



ASSESSMENT

In order to offer our customers the best quality we invest each year more and more in certifying our products. **Theses assessment are granted by prestigious institutions that guarantee that the products comply with the requirements of quality and technical suitability.** Endorsed by the **ISO 9001:2015** certification, we maintain our commitment to quality with our customers. Additionally, our certifications and approvals come from the most important official bodies and most prestigious institutions worldwide.

WE HAVE THE FOLLOWING APPROVALS FOR OUR PRODUCTS:



OUR SERVICES

FLEXIBLE PRODUCTION

We adapt to your needs, offering you products with specific materials, customised designs, special coatings or made-to-measure products.

CUSTOMIZED PACKAGING&LABELLING

We offer a complete customised packaging and labelling service, adapting to the needs of each client to create products that not only make a difference, but also reflect your identity and care for your brand.

GLOBAL SERVICE

We facilitate your operations by offering you an international service. With optimised logistics management and efficient shipping, we ensure that products arrive at any destination on time and in perfect condition.

DIGITAL SERVICES

We help you incorporate technology into your processes to free up your time, mitigate risks and make the most of the information available. Turn technology into an ally of your business.

LONDEX

EXPERT FIXING

MANUFACTURERS

ICON GUIDE

COATINGS



Galvanized



Blue galvanized



Atlantis



Zinc plated



Black Zinc
plated



Yellow Zinc
plated

MATERIALS



Stainless
steel A2



Stainless
steel A4



Zamak



Nylon



Brass



Polypropylene



Steel

USE MATERIALS



Hollow brick



Solid brick



Hollow
core slabs



Stone



Hollow
concrete



Concrete



Reinforced
concrete



Cracked
concrete



Aerated
concrete



Drywall



Plaster



PVC pipe



Cooper pipe



Steel pipe

LOADS



Light
loads



Medium
loads

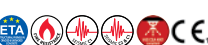
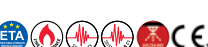
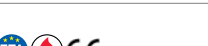
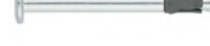


Heavy
loads



Extra-heavy
loads

INDEX

Through bolt anchor for heavy loads in cracked & uncracked concrete			14				
Opt.1 ETA Assessed. Zinc-plated shaft. Stainless steel clip			15	Hook bolt. Zinc-plated shaft. ATLANTIS C3-L clip			29
Opt.1 ETA Assessed. A4 Stainless steel shaft. A4 Stainless steel clip			16	Eye bolt. Zinc-plated shaft. ATLANTIS C3-L clip			29
Opt.1 ETA Assessed. ATLANTIS C4-M shaft. Stainless steel clip			17	Concrete screw anchor			30
Opt.1 ETA Assessed. ATLANTIS C3-L shaft. Stainless steel clip			18	Opt.1 ETA Assessed. Hexagon head			32 NEW
Opt.1 ETA Assessed. Zinc-plated shaft. ATLANTIS C3-L clip			19	Opt.1 ETA Assessed. Countersunk head			32 NEW
Opt.7 ETA Assessed. Zinc-plated shaft. Zinc-plated clip			20	Opt.1 ETA Assessed. Pan head			32 NEW
Opt.7 ETA Assessed. A4 Stainless steel shaft. A4 Stainless steel clip			22	Opt.1 ETA Assessed. Truss head			33 NEW
Opt.7 ETA Assessed. ATLANTIS C4-M shaft. ATLANTIS C4-M clip			23	Opt.1 ETA Assessed. Hanger female			33 NEW
Opt.7 ETA Assessed. A2 Stainless steel shaft. A2 Stainless steel clip			24	Opt.1 ETA Assessed. Hexagon head			33
Zinc-plated shaft. Zinc-plated clip			25	Opt.1 ETA Assessed. Countersunk head			35
Setting toll for through bolt anchor range			27	Opt.1 ETA Assessed. Pan head			35
Accessories for through bolt anchor for heavy loads			27	Opt.1 ETA Assessed. Truss head			36
Tie wire anchor			27	Opt.1 ETA Assessed. Hexagon head			36
Nail anchor for non-structural applications in concrete. ETA approved			28	Opt.1 ETA Assessed. Countersunk head			38 NEW
Nail head. Zinc-plated shaft. ATLANTIS C3-L clip			28	Opt.1 ETA Assessed. Pan head			38 NEW
Projecting bolt. Zinc-plated shaft. ATLANTIS C3-L clip			28	Opt.1 ETA Assessed. Truss head			39 NEW
Hanger female. Zinc-plated shaft. ATLANTIS C3-L clip			29	Opt.1 ETA Assessed. Hexagon head without nut			39
				Opt.1 ETA Assessed. Stud bolt			39

INDEX

NEW	Eye bolt head		40	Anti-spin sleeve anchor for medium loads			46
NEW	Setting tool for eye bolt head		40	Opt.7 ETA Assessed. Hexagonal head screw 6.8.			47
NEW	Opt.1 ETA Assessed. Hanger female		40	Opt.7 ETA Assessed. A2 Stainless steel			47
	Opt.1 ETA Assessed. Hanger male		40	Opt.7 ETA Assessed. Hexagonal head screw 8.8.			48
NEW	Short version. Truss head		41	Hexagonal head screw 8.8 for reduced thicknesses			48
NEW	Short version. Pan head		41	Opt.7 ETA Assessed. Flat head screw			48
NEW	Short version. Hanger male		41	Opt.7 ETA Assessed. A2 Stainless steel flat head screw			49
Screw for direct fixing				Opt.7 ETA Assessed. Zinc-plated tamperproof head			49
			42	Opt.7 ETA Assessed. Black zinc-plated tamperproof head			49
	Screw		42	Projecting bolt			50
	Screw with vulcanized EPDM-steel washer		42	Hook bolt			50
NEW	Flat head, TX recess. Yellow zinc-plated		43	Hook spiral			50
NEW	Flat head, TX recess. Zinc-plated		43	Forged hook bolt			50
NEW	Cylindrical head TX		43	A2 Stainless steel forged hook bolt			51
Heavy duty anchor for high performance in concrete				Eye bolt			51
			44	Forged eye bolt			51
	Opt.1 ETA Assessed. Hexagonal head		44	A2 Stainless steel forged eye bolt			51
	Opt.1 ETA Assessed. Countersunk head		45				
NEW	Opt.1 ETA Assessed. Projecting bolt		45				

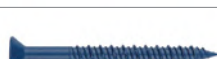
INDEX

Drop in anchor				52	Winged steel anchor for heavy-duty fixings				58
	Zinc-plated. Opt.7 ETA Assessed & for non-structural applications			53	Shield			58	
	A4 Stainless steel. ETA Assessed for non-structural applications			53	A4 Stainless steel shield			59	
	With collar. Zinc- plated. Opt.7 ETA Assessed & for non-structural applications			53	Loose bolt 6.8			59	
NEW	With collar. A4 Stainless steel. ETA Assessed for non-structural applications			54	Projecting bolt			59	
NEW	Short. Zinc-plated. ETA Assessed for non-structural applications			54	Hook bolt			59	
	Zinc-plated			54	Eye bolt			59	
NEW	ATLANTIS C3-L			54					
NEW	Stop drill bit for drop-in anchor with internal thread for heavy loads			55	Zamak anchor for medium-heavy loads in hollow and solid elements				60
NEW	Stop drill bit for drop-in anchor with internal thread for heavy loads. Short			55	Shield			60	
	Manual setting tool for Drop-in anchors			55	Loose bolt			61	
	Manual setting tool for Drop-in anchors			55	Projecting bolt			61	
					Hook bolt			61	
	Brass expansion anchor for light fastenings in solid materials			56	Forged hook bolt			61	
	Steel expansion plug			57	Eye bolt			62	
	Ceiling wedge anchor ETA assessed			57	Forged eye bolt			62	
					Long loose bolt			62	
					Long loose bolt with pipe			62	

INDEX

Anti-spin shield anchor for heavy-duty loads		63	Gravity toggle for fixing lightweight in ceilings		69
Shield		63	Projecting bolt		69
A2 Stainless steel shield		63	Hook		69
Loose bolt 8.8		64	Nylon		70
Hook bolt		64	Toggle head		70
Eye bolt		64	Spring toggle head		70
Metal anchor for fixing window and door frames		65	Projecting bolt		70
Express nail for batten fixings to concrete floors		65	Hook		70
Plugs for plasterboard		66	Nylon plugs		71
Zamak plug		66	Plug		71
Zamak plug		66	Long plug		71
			Plug with collar		72
			Universal high performance nylon plug		72
			Countersunk head. TX recess. Zinc-plated. ETA Assessed	 	72
With panhead screw		67	A4 Stainless steel. Countersunk head. TX recess. ETA Assessed	 	73
Without screw		68	Hexagonal head. TX recess. Zinc-plated. ETA Assessed	 	73
With hexagonal-head screw		68	A4 Stainless steel. Hexagonal head. TX recess. ETA Assessed	 	73
Pliers / Gun		68	Tamperproof Truss head. TX recess. Zinc-plated. ETA Assessed	 	74

INDEX

Fixing band			74	INCHES			80
Round fixing band ATLANTIS C2-M			75	Inches. ICC Assessed. 304 stainless steel shaft and clip			81
Round fixing band. A2 Stainless steel			75	Inches. ICC Assessed. Zinc-plated shaft. Clip ATLANTIS C3-L		  	81
Straight fixing band ATLANTIS C2-M			75	Inches. Zinc-plated shaft. Zinc-plated clip			82
Stud bolt for chemical anchor, with nut and washer			76	Inches. ICC Assessed. Hexagon head		  	83
				Inches. ICC Assessed. Hexagon head		  	84
				Inches. ICC Assessed. Hexagon head		  	85
				Inches. Blu-con concrete screw, hi-lo thread. Flat		  	86
				Inches. Blu-con concrete screw, hi-lo thread. Hexagonal		  	86
				Inches. Blu tape concrete screw, hi-lo thread. Flat head			87
				Inches. Blu tape concrete screw, hi-lo thread. Hexagonal head			87
				Inches. Anti-spin sleeve anchor. Projecting bolt			88
				Inches. Drop-in anchor with internal thread.			88
				Inches. Manual setting tool for Drop-in anchors			88
	Inches. Anchor for medium-heavy loads in hollow and solid elements. Shield			88			
	Inches. Anchor for medium-heavy loads in hollow and solid elements			89			
	Inches. Anchor for medium-heavy loads in hollow and solid elements. Projecting bolt			89			

Through bolt anchor for heavy loads in cracked & uncracked concrete



RANGE

PRODUCT	PICTURE	ASSESSMENT	COAT./ MAT.	BASE MATERIALS	LOADS
Opt.1 ETA Assessed. Zinc-plated shaft. Stainless steel clip					
Opt.1 ETA Assessed. A4 Stainless steel shaft. A4 Stainless steel clip					
NEW Opt.1 ETA Assessed. ATLANTIS C4-M shaft. Stainless steel clip					
Opt.1 ETA Assessed. ATLANTIS C3-L shaft. Stainless steel clip					
Opt.1 ETA Assessed. Zinc-plated shaft. ATLANTIS C3-L clip					
Opt.7 ETA Assessed. Zinc-plated shaft. Zinc-plated clip					
Opt.7 ETA Assessed. A4 Stainless steel shaft. A4 Stainless steel clip					
NEW Opt.7 ETA Assessed. ATLANTIS C4-M shaft. ATLANTIS C4-M clip					
Opt.7 ETA Assessed. A2 Stainless steel shaft. A2 Stainless steel clip					
Zinc-plated shaft. Zinc-plated clip					

Through bolt anchor for heavy loads in cracked & uncracked concrete

Opt.1 ETA Assessed.
Zinc-plated shaft.
Stainless steel clip



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	AXIS LETTER
• M8 x 50 Ø8	100	800	40	20	100	2	182	130	A
M8 x 75 Ø8	100	600	60	20	100	9	364	202	C
M8 x 95 Ø8	100	600	60	20	100	29	364	202	E
M8 x 115 Ø8	100	400	60	20	100	49	364	202	G
M10 x 90 Ø10	100	400	75	40	120	10	874	461	E
M10 x 105 Ø10	50	300	75	40	120	25	874	461	F
M10 x 115 Ø10	50	200	75	40	120	35	874	461	G
M10 x 135 Ø10	50	200	75	40	120	55	874	461	H
M10 x 165 Ø10	50	200	75	40	120	85	874	461	K
M10 x 185 Ø10	50	150	75	40	120	105	874	461	L
• M12 x 80 Ø12	50	300	65	60	100	4	585	417	D
M12 x 100 Ø12	50	200	85	60	140	4	971	582	E
M12 x 110 Ø12	50	200	85	60	140	14	971	582	F
M12 x 120 Ø12	50	200	85	60	140	24	971	582	G
M12 x 130 Ø12	50	200	85	60	140	34	971	582	H
M12 x 150 Ø12	50	100	85	60	140	54	971	582	I
M12 x 180 Ø12	50	150	85	60	140	84	971	582	L
M12 x 200 Ø12	50	150	85	60	140	104	971	582	M
M16 x 145 Ø16	25	100	105	100	170	28	1,747	1,214	I
M16 x 175 Ø16	25	50	105	100	170	58	1,747	1,214	K
M16 x 220 Ø16	25	50	105	100	170	103	1,747	1,214	O
M16 x 250 Ø16	25	50	105	100	170	133	1,747	1,214	Q
M20 x 170 Ø20	20	40	125	200	200	32	2,330	1,553	K
M20 x 200 Ø20	20	40	125	200	200	62	2,330	1,553	N
M24 x 205 Ø24	10	30	155	250	250	35	2,225	1,416	N
M24 x 235 Ø24	10	20	155	250	250	65	2,225	1,416	P

• Non-assessed sizes

Through bolt anchor for heavy loads in cracked & uncracked concrete

Opt.1 ETA Assessed.
A4 Stainless steel shaft.
A4 Stainless steel clip



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	AXIS LETTER
M8 x 75 Ø8	100	600	60	15	100	9	582	413	C
M8 x 95 Ø8	100	600	60	15	100	29	582	413	E
M8 x 115 Ø8	100	400	60	15	100	49	582	413	G
M8 x 135 Ø8	50	300	60	15	100	69	582	413	H
M10 x 90 Ø10	100	400	75	30	120	10	777	680	E
M10 x 105 Ø10	50	300	75	30	120	25	777	680	F
M10 x 115 Ø10	50	300	75	30	120	35	777	680	G
M10 x 135 Ø10	50	300	75	30	120	55	777	680	H
M10 x 165 Ø10	50	100	75	30	120	85	777	680	K
M10 x 185 Ø10	50	100	75	30	120	105	777	680	L
M12 x 110 Ø12	50	200	85	60	140	14	890	769	F
M12 x 120 Ø12	50	200	85	60	140	24	890	769	G
M12 x 130 Ø12	50	200	85	60	140	34	890	769	H
M12 x 150 Ø12	50	100	85	60	140	54	890	769	I
M12 x 180 Ø12	50	150	85	60	140	84	890	769	L
M12 x 200 Ø12	50	100	85	60	140	104	890	769	M
M16 x 125 Ø16	50	100	105	100	170	8	1,559	1,092	G
M16 x 145 Ø16	25	100	105	100	170	28	1,559	1,092	I
M16 x 175 Ø16	25	50	105	100	170	58	1,559	1,092	K
M16 x 190 Ø16	25	50	105	100	170	73	1,559	1,092	L
M16 x 220 Ø16	20	40	105	100	170	103	1,559	1,092	O
M20 x 200 Ø20	20	40	125	200	200	62	1,990	1,393	M
M20 x 240 Ø20	15	30	125	200	200	102	1,990	1,393	P
M20 x 285 Ø20	10	20	125	200	200	147	1,990	1,393	S

Through bolt anchor for heavy loads in cracked & uncracked concrete

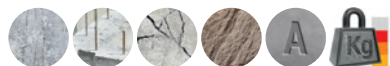
Opt.1 ETA Assessed.
ATLANTIS C4-M shaft.
Stainless steel clip



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	AXIS LETTER
M8 x 75 Ø8	100	600	60	20	100	9	364	202	C
M8 x 95 Ø8	100	600	60	20	100	29	364	202	E
M8 x 115 Ø8	100	400	60	20	100	49	364	202	G
M10 x 90 Ø10	100	400	75	40	120	10	874	461	E
M10 x 105 Ø10	50	300	75	40	120	25	874	461	F
M10 x 115 Ø10	50	200	75	40	120	35	874	461	G
M10 x 135 Ø10	50	200	75	40	120	55	874	461	H
M10 x 165 Ø10	50	200	75	40	120	85	874	461	K
M10 x 185 Ø10	50	150	75	40	120	105	874	461	L
M12 x 100 Ø12	50	200	85	60	140	4	971	582	E
M12 x 110 Ø12	50	200	85	60	140	14	971	582	F
M12 x 120 Ø12	50	200	85	60	140	24	971	582	G
M12 x 130 Ø12	50	200	85	60	140	34	971	582	H
M12 x 150 Ø12	50	100	85	60	140	54	971	582	I
M12 x 180 Ø12	50	150	85	60	140	84	971	582	L
M12 x 200 Ø12	50	150	85	60	140	104	971	582	M
M16 x 145 Ø16	25	100	105	100	170	28	1,747	1,214	I
M16 x 175 Ø16	25	50	105	100	170	58	1,747	1,214	K
M16 x 220 Ø16	25	50	105	100	170	103	1,747	1,214	O
M20 x 170 Ø20	20	40	125	200	200	32	2,225	1,416	K
M20 x 200 Ø20	20	40	125	200	200	62	2,225	1,416	N

Through bolt anchor for heavy loads in cracked & uncracked concrete

Opt.1 ETA Assessed.
ATLANTIS C3-L shaft.
Stainless steel clip

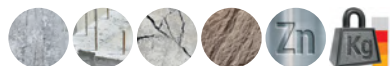


SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	AXIS LETTER
• M6 x 60 Ø6	200	1,200	50	7	100	10	243	-	B
• M6 x 70 Ø6	200	1,200	50	7	100	20	243	-	C
• M6 x 100 Ø6	200	800	50	7	100	50	243	-	E
• M8 x 50 Ø8	100	800	40	15	100	2	182	130	A
• M8 x 60 Ø8	100	800	40	15	100	12	182	130	B
M8 x 75 Ø8	100	600	60	15	100	9	405	243	C
M8 x 95 Ø8	100	600	60	15	100	29	405	243	E
M8 x 115 Ø8	100	400	60	15	100	49	405	243	G
• M10 x 70 Ø10	100	400	60	40	100	5	325	232	C
M10 x 90 Ø10	100	400	75	40	120	10	874	485	E
M10 x 105 Ø10	50	300	75	40	120	25	874	485	F
M10 x 115 Ø10	50	200	75	40	120	35	874	485	G
M10 x 135 Ø10	50	200	75	40	120	55	874	485	H
M10 x 165 Ø10	50	200	75	40	120	85	874	485	K
M10 x 185 Ø10	50	150	75	40	120	105	874	485	L
• M12 x 80 Ø12	50	300	65	60	100	4	585	417	D
M12 x 110 Ø12	50	200	85	60	140	14	1,399	777	F
M12 x 130 Ø12	50	200	85	60	140	34	1,399	777	H
M12 x 150 Ø12	50	100	85	60	140	54	1,399	777	I
M12 x 180 Ø12	50	150	85	60	140	84	1,399	777	L
M12 x 200 Ø12	50	150	85	60	140	104	1,399	777	M
M16 x 125 Ø16	25	100	105	100	170	8	1,747	1,310	G
M16 x 145 Ø16	25	100	105	100	170	28	1,747	1,310	I
M16 x 175 Ø16	25	50	105	100	170	58	1,747	1,310	K
M16 x 220 Ø16	25	50	105	100	170	103	1,747	1,310	O
M20 x 170 Ø20	20	40	125	200	200	32	2,388	1,456	K
M20 x 200 Ø20	20	40	125	200	200	62	2,388	1456	M

• Non-assessed sizes

Through bolt anchor for heavy loads in cracked & uncracked concrete

Opt.1 ETA Assessed.
Zinc-plated shaft.
ATLANTIS C3-L clip



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	AXIS LETTER
• M8 x 50 Ø8	100	800	40	15	80	2	182	130	A
M8 x 75 Ø8	100	600	60	15	80	9	405	283	C
M8 x 80 Ø8	100	600	60	15	80	14	405	283	D
M8 x 95 Ø8	100	600	60	15	80	29	405	283	E
M8 x 115 Ø8	100	400	60	15	80	49	405	283	G
M10 x 90 Ø10	100	400	75	40	90	10	874	534	E
M10 x 105 Ø10	50	300	75	40	90	25	874	534	F
M10 x 115 Ø10	50	200	75	40	90	35	874	534	G
M10 x 135 Ø10	50	200	75	40	90	55	874	534	H
M10 x 165 Ø10	50	200	75	40	90	85	874	534	K
M10 x 185 Ø10	50	150	75	40	90	105	874	534	L
• M12 x 80 Ø12	50	300	65	60	100	4	488	348	D
M12 x 100 Ø12	50	200	85	60	105	4	1,359	728	E
M12 x 110 Ø12	50	200	85	60	105	14	1,359	728	F
M12 x 120 Ø12	50	200	85	60	105	24	1,359	728	G
M12 x 130 Ø12	50	200	85	60	105	34	1,359	728	H
M12 x 150 Ø12	50	100	85	60	105	54	1,359	728	I
M12 x 180 Ø12	50	150	85	60	105	84	1,359	728	L
M12 x 200 Ø12	50	150	85	60	105	104	1,359	728	M
M12 x 220 Ø12	25	50	85	60	105	124	1,359	728	O
M12 x 255 Ø12	25	50	85	60	105	159	1,359	728	R
M16 x 145 Ø16	25	100	105	100	130	28	1,650	1,310	I
M16 x 175 Ø16	25	50	105	100	130	58	1,650	1,310	K
M16 x 220 Ø16	25	50	105	100	130	103	1,650	1,310	O
M16 x 250 Ø16	25	50	105	100	130	133	1,650	1,310	Q
M20 x 170 Ø20	20	40	125	200	150	32	2,388	1,672	K
M20 x 200 Ø20	20	40	125	200	150	62	2,388	1,672	M

• Non-assessed sizes

Through bolt anchor for heavy loads in uncracked concrete

Opt.7 ETA Assessed.
Zinc-plated shaft.
Zinc-plated clip



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	AXIS LETTER
• M6 x 60 Ø6	200	1,200	55	7	100	2	385	-	B
• M6 x 70 Ø6	200	1,200	55	7	100	12	385	-	C
• M6 x 80 Ø6	200	1,200	55	7	100	22	385	-	D
• M6 x 90 Ø6	200	1,200	55	7	100	32	385	-	E
• M6 x 100 Ø6	200	800	55	7	100	42	385	-	E
• M6 x 110 Ø6	200	800	55	7	100	52	385	-	F
• M6 x 120 Ø6	100	600	55	7	100	62	385	-	G
• M6 x 130 Ø6	100	600	55	7	100	72	385	-	H
• M6 x 140 Ø6	100	400	55	7	100	82	385	-	I
• M6 x 150 Ø6	100	400	55	7	100	92	385	-	I
• M6 x 160 Ø6	100	400	55	7	100	102	385	-	J
• M6 x 170 Ø6	100	400	55	7	100	112	385	-	K
• M6 x 180 Ø6	100	200	55	7	100	122	385	-	L
M8 x 60 Ø8	100	600	50	20	100	3	485	-	B
M8 x 75 Ø8	100	600	65	20	100	5	676	-	C
M8 x 90 Ø8	100	600	65	20	100	20	676	-	E
M8 x 100 Ø8	100	400	65	20	100	30	676	-	E
M8 x 115 Ø8	100	400	65	20	100	45	676	-	G
M8 x 120 Ø8	100	400	65	20	100	50	676	-	G
M8 x 130 Ø8	100	400	65	20	100	60	676	-	H
M8 x 155 Ø8	100	200	65	20	100	85	676	-	J
M10 x 70 Ø10	100	400	60	35	100	3	650	-	C
M10 x 80 Ø10	100	400	60	35	100	13	650	-	D
M10 x 90 Ø10	100	400	75	35	110	10	922	-	E
M10 x 100 Ø10	100	400	75	35	110	20	922	-	E
M10 x 120 Ø10	50	300	75	35	110	40	922	-	G
M10 x 140 Ø10	50	200	75	35	110	60	922	-	H
M10 x 150 Ø10	50	200	75	35	110	70	922	-	I
M10 x 160 Ø10	50	200	75	35	110	80	922	-	J
M10 x 170 Ø10	50	200	75	35	110	90	922	-	K
M10 x 210 Ø10	50	150	75	35	110	130	922	-	N
M10 x 230 Ø10	50	100	75	35	110	150	922	-	P
M12 x 90 Ø12	50	200	70	60	100	13	844	-	E
M12 x 100 Ø12	50	200	85	60	130	8	1,251	-	E
M12 x 110 Ø12	50	200	85	60	130	18	1,251	-	F
M12 x 120 Ø12	50	200	85	60	130	28	1,251	-	G
M12 x 130 Ø12	50	200	85	60	130	38	1,251	-	H
M12 x 140 Ø12	50	200	85	60	130	48	1,251	-	H

More range next page

Through bolt anchor for heavy loads in uncracked concrete

Opt.7 ETA Assessed.
Zinc-plated shaft.
Zinc-plated clip



More range previous page

SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	AXIS LETTER
M12 x 160 Ø12	50	100	85	60	130	68	1,251	-	J
M12 x 180 Ø12	50	150	85	60	130	88	1,251	-	L
M12 x 200 Ø12	50	100	85	60	130	108	1,251	-	M
M12 x 220 Ø12	50	100	85	60	130	128	1,251	-	O
M12 x 250 Ø12	25	50	85	60	130	158	1,251	-	Q
M14 x 120 Ø14	25	100	100	90	150	12	1,551	-	G
M14 x 145 Ø14	25	100	100	90	150	37	1,551	-	I
M14 x 170 Ø14	25	100	100	90	150	62	1,551	-	K
M14 x 220 Ø14	25	75	100	90	150	112	1,551	-	O
M14 x 250 Ø14	25	50	100	90	150	142	1,551	-	Q
M16 x 125 Ø16	25	100	110	120	168	3	1,838	-	G
M16 x 145 Ø16	25	100	110	120	168	23	1,838	-	I
M16 x 170 Ø16	25	50	110	120	168	48	1,838	-	K
M16 x 220 Ø16	25	50	110	120	168	98	1,838	-	O
M16 x 250 Ø16	25	50	110	120	168	128	1,838	-	Q
M16 x 280 Ø16	25	50	110	120	168	158	1,838	-	S
M20 x 170 Ø20	20	40	135	240	206	23	2,496	-	K
M20 x 220 Ø20	20	40	135	240	206	73	2,496	-	O
M20 x 270 Ø20	20	40	135	240	206	123	2,496	-	S

• Non-assessed sizes

Through bolt anchor for heavy loads in uncracked concrete

Opt.7 ETA Assessed.
A4 Stainless steel shaft.
A4 Stainless steel clip



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	AXIS LETTER
• M6 x 45 Ø6	200	1,200	40	7	100	1	298	-	A
• M6 x 60 Ø6	200	1,200	55	7	100	2	438	-	B
• M6 x 80 Ø6	200	1,200	55	7	100	22	438	-	D
• M8 x 50 Ø8	100	800	40	20	100	4	219	-	A
M8 x 75 Ø8	100	600	65	20	100	5	582	-	C
M8 x 90 Ø8	100	600	65	20	100	20	582	-	E
M8 x 115 Ø8	100	400	65	20	100	45	582	-	G
M10 x 70 Ø10	100	400	60	35	100	3	485	-	C
M10 x 90 Ø10	100	400	75	35	110	10	647	-	E
M10 x 120 Ø10	50	300	75	35	110	40	647	-	G
M10 x 150 Ø10	50	200	75	35	110	70	647	-	I
• M12 x 75 Ø12	50	300	60	60	100	5	561	-	C
M12 x 90 Ø12	50	200	70	60	100	13	647	-	D
M12 x 110 Ø12	50	200	85	60	130	18	1,011	-	F
M12 x 140 Ø12	50	200	85	60	130	48	1,011	-	I
• M16 x 90 Ø16	25	150	75	120	100	4	683	-	D
M16 x 145 Ø16	25	100	110	120	168	23	1,416	-	I
M16 x 170 Ø16	25	75	110	120	168	48	1,416	-	K
• M20 x 120 Ø20	20	40	105	240	145	5	1,190	-	G
M20 x 170 Ø20	20	40	135	240	206	23	2,023	-	K
M20 x 220 Ø20	20	40	135	240	206	73	2,023	-	O

• Non-assessed sizes

Through bolt anchor for heavy loads in uncracked concrete

Opt.7 ETA Assessed.
ATLANTIS C4-M shaft.
ATLANTIS C4-M clip



NEW

SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	AXIS LETTER
M6 x 60 Ø6	200	1,200	55	7	100	2	385	-	B
M6 x 80 Ø6	200	1,200	55	7	100	22	385	-	D
M6 x 100 Ø6	200	800	55	7	100	42	385	-	E
M8 x 60 Ø8	100	600	50	20	100	3	485	-	B
M8 x 75 Ø8	100	600	65	20	100	5	676	-	C
M8 x 90 Ø8	100	600	65	20	100	20	676	-	E
M8 x 115 Ø8	100	400	65	20	100	45	676	-	G
M8 x 130 Ø8	100	400	65	20	100	60	676	-	H
M8 x 155 Ø8	100	200	65	20	100	85	676	-	J
M10 x 70 Ø10	100	400	60	35	100	3	650	-	C
M10 x 80 Ø10	100	400	60	35	100	13	650	-	D
M10 x 90 Ø10	100	400	75	35	110	10	922	-	E
M10 x 100 Ø10	100	400	75	35	110	20	922	-	E
M10 x 120 Ø10	50	300	75	35	110	40	922	-	G
M10 x 140 Ø10	50	200	75	35	110	60	922	-	H
M10 x 150 Ø10	50	200	75	35	110	70	922	-	I
M10 x 160 Ø10	50	200	75	35	110	80	922	-	J
M10 x 170 Ø10	50	200	75	35	110	90	922	-	K
M10 x 210 Ø10	50	150	75	35	110	130	922	-	N
M12 x 90 Ø12	50	200	70	60	100	13	844	-	E
M12 x 100 Ø12	50	200	85	60	130	8	1,251	-	E
M12 x 110 Ø12	50	200	85	60	130	18	1,251	-	F
M12 x 130 Ø12	50	200	85	60	130	38	1,251	-	H
M12 x 140 Ø12	50	200	85	60	130	48	1,251	-	H
M12 x 160 Ø12	50	100	85	60	130	68	1,251	-	J
M12 x 180 Ø12	50	150	85	60	130	88	1,251	-	L
M12 x 200 Ø12	50	100	85	60	130	108	1,251	-	M
M12 x 220 Ø12	50	100	85	60	130	128	1,251	-	O
M12 x 250 Ø12	25	50	85	60	130	158	1,251	-	Q
M16 x 125 Ø16	25	100	110	120	168	3	1,838	-	G
M16 x 145 Ø16	25	100	110	120	168	23	1,838	-	I
M16 x 170 Ø16	25	50	110	120	168	48	1,838	-	K
M16 x 220 Ø16	25	50	110	120	168	98	1,838	-	O
M16 x 250 Ø16	25	50	110	120	168	128	1,838	-	Q
M16 x 280 Ø16	25	50	110	120	168	158	1,838	-	S
M20 x 170 Ø20	20	40	135	240	206	23	2,496	-	K
M20 x 220 Ø20	20	40	135	240	206	73	2,496	-	O
M20 x 270 Ø20	20	40	135	240	206	123	2,496	-	S

Through bolt anchor for heavy loads in uncracked concrete

Opt.7 ETA Assessed.
A2 Stainless steel shaft.
A2 Stainless steel clip



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	AXIS LETTER
• M6 x 45 Ø6	200	1,200	40	7	100	1	298	-	A
M6 x 60 Ø6	200	1,200	55	7	100	2	438	-	B
M6 x 80 Ø6	200	1,200	55	7	100	22	438	-	D
M6 x 120 Ø6	100	600	55	7	100	62	438	-	G
M6 x 140 Ø6	100	600	55	7	100	82	438	-	I
M6 x 160 Ø6	100	400	55	7	100	102	438	-	J
M6 x 170 Ø6	100	400	55	7	100	112	438	-	K
M6 x 180 Ø6	100	300	55	7	100	122	438	-	L
• M8 x 50 Ø8	100	800	40	20	100	4	219	-	A
M8 x 75 Ø8	100	600	65	20	100	5	582	-	C
M8 x 90 Ø8	100	600	65	20	100	20	582	-	E
M8 x 115 Ø8	100	400	65	20	100	45	582	-	G
M10 x 70 Ø10	100	400	60	35	100	3	485	-	C
M10 x 90 Ø10	100	400	75	35	110	10	647	-	E
M10 x 120 Ø10	50	300	75	35	110	40	647	-	G
M10 x 150 Ø10	50	200	75	35	110	70	647	-	I
• M12 x 75 Ø12	50	300	60	60	100	5	561	-	C
M12 x 90 Ø12	50	200	70	60	120	13	647	-	D
M12 x 110 Ø12	50	200	85	60	130	18	1,011	-	F
M12 x 140 Ø12	50	200	85	60	130	48	1,011	-	I
• M16 x 90 Ø16	25	150	75	120	100	4	683	-	D
M16 x 145 Ø16	25	100	110	120	168	23	1,416	-	I
M16 x 170 Ø16	25	75	110	120	168	48	1,416	-	K
• M20 x 120 Ø20	20	40	105	240	145	5	1,190	-	G
M20 x 170 Ø20	20	40	135	240	206	23	2,023	-	K
M20 x 220 Ø20	20	40	135	240	206	73	2,023	-	O

• Non-assessed sizes

Through bolt anchor for heavy loads

Zinc-plated shaft.

Zinc-plated clip



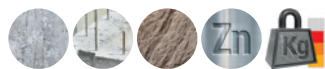
SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	AXIS LETTER
M6 x 45 Ø6	200	1,200	40	7	100	1	298	-	-
M6 x 55 Ø6	200	1,200	40	7	100	11	298	-	-
M6 x 60 Ø6	200	1,200	55	7	100	2	385	-	-
M6 x 65 Ø6	200	1,200	55	7	100	7	385	-	-
M6 x 70 Ø6	200	1,200	55	7	100	12	385	-	-
M6 x 80 Ø6	200	1,200	55	7	100	22	385	-	-
M6 x 85 Ø6	200	1,200	55	7	100	27	385	-	-
M6 x 90 Ø6	200	1,200	55	7	100	32	385	-	-
M6 x 100 Ø6	200	800	55	7	100	42	385	-	-
M6 x 110 Ø6	200	800	55	7	100	52	385	-	-
M6 x 120 Ø6	100	600	55	7	100	62	385	-	-
M6 x 130 Ø6	100	600	55	7	100	72	385	-	-
M6 x 140 Ø6	100	600	55	7	100	82	385	-	-
M6 x 150 Ø6	100	600	55	7	100	92	385	-	-
M6 x 160 Ø6	100	400	55	7	100	102	385	-	-
M6 x 170 Ø6	100	400	55	7	100	112	385	-	-
M6 x 180 Ø6	100	300	55	7	100	122	385	-	-
M8 x 50 Ø8	100	800	40	20	100	4	263	-	-
M8 x 60 Ø8	100	800	50	20	100	3	485	-	-
M8 x 65 Ø8	100	600	50	20	100	8	485	-	-
M8 x 75 Ø8	100	600	65	20	100	5	676	-	-
M8 x 90 Ø8	100	600	65	20	100	20	676	-	-
M8 x 115 Ø8	100	400	65	20	100	45	676	-	-
M8 x 120 Ø8	100	400	65	20	100	50	676	-	-
M8 x 130 Ø8	100	400	65	20	100	60	676	-	-
M8 x 155 Ø8	100	200	65	20	100	85	676	-	-
M10 x 65 Ø10	100	400	55	35	100	1	604	-	-
M10 x 70 Ø10	100	400	60	35	100	3	650	-	-
M10 x 80 Ø10	100	400	60	35	100	13	667	-	-
M10 x 90 Ø10	100	400	75	35	110	10	922	-	-
M10 x 100 Ø10	100	400	75	35	110	20	922	-	-
M10 x 120 Ø10	50	300	75	35	110	40	922	-	-
M10 x 140 Ø10	50	200	75	35	110	60	922	-	-
M10 x 150 Ø10	50	200	75	35	110	70	922	-	-
M10 x 160 Ø10	50	200	75	35	110	80	922	-	-
M10 x 170 Ø10	50	200	75	35	110	90	922	-	-
M10 x 210 Ø10	50	150	75	35	110	130	922	-	-
M10 x 230 Ø10	50	100	75	35	110	150	922	-	-

More range next page

Through bolt anchor for heavy loads

Zinc-plated shaft.

Zinc-plated clip



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	AXIS LETTER
M12 x 75 Ø12	50	300	60	60	100	5	673	-	-
M12 x 80 Ø12	50	300	70	60	100	3	844	-	-
M12 x 90 Ø12	50	200	70	60	100	13	844	-	-
M12 x 100 Ø12	50	200	85	60	130	8	1,251	-	-
M12 x 110 Ø12	50	200	85	60	130	18	1,251	-	-
M12 x 120 Ø12	50	200	85	60	130	28	1,251	-	-
M12 x 140 Ø12	50	200	85	60	130	48	1,251	-	-
M12 x 160 Ø12	50	100	85	60	130	68	1,251	-	-
M12 x 180 Ø12	50	150	85	60	130	88	1,251	-	-
M12 x 220 Ø12	50	100	85	60	130	128	1,251	-	-
M12 x 250 Ø12	25	50	85	60	130	158	1,251	-	-
M14 x 80 Ø14	50	200	65	90	100	5	650	-	-
M14 x 100 Ø14	50	100	85	90	125	5	1,166	-	-
M14 x 120 Ø14	25	100	100	90	150	12	1,551	-	-
M14 x 145 Ø14	25	100	100	90	150	37	1,551	-	-
M14 x 170 Ø14	25	100	100	90	150	62	1,551	-	-
M14 x 220 Ø14	25	75	100	90	150	112	1,551	-	-
M14 x 250 Ø14	25	50	100	90	150	142	1,551	-	-
M16 x 90 Ø16	25	150	75	120	100	4	819	-	-
M16 x 110 Ø16	25	100	75	120	100	7	1,838	-	-
M16 x 125 Ø16	25	100	110	120	168	3	1,838	-	-
M16 x 145 Ø16	25	100	110	120	168	23	1,838	-	-
M16 x 170 Ø16	25	50	110	120	168	48	1,838	-	-
M16 x 220 Ø16	25	50	110	120	168	98	1,838	-	-
M16 x 250 Ø16	25	50	110	120	168	128	1,838	-	-
M16 x 280 Ø16	25	50	110	120	168	158	1,838	-	-
M20 x 120 Ø20	20	40	105	240	145	5	1,429	-	-
M20 x 170 Ø20	20	40	135	240	206	23	2,496	-	-
M20 x 220 Ø20	20	40	135	240	206	73	2,496	-	-
M20 x 270 Ø20	20	40	135	240	206	123	2,496	-	-
M24 x 180 Ø24	10	20	155	250	250	10	2,023	-	-
M24 x 260 Ø24	10	20	155	250	250	80	2,023	-	-

More range previous page

Accessories for through bolt anchor for heavy loads MT

Setting toll for through bolt anchor range



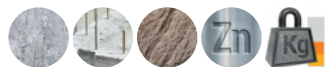
SIZE	UNIT BOX	UNIT MASTER BOX
M6 - M8 - M10	5	225
M12 - M14 - M16 - M20	5	225

Accessories for through bolt anchor for heavy loads


NEW

SIZE	COLOUR	UNIT BOX	UNIT MASTER BOX
M6	White	500	3,000
M8	White	250	3,000
M10	White	250	1,000
M12	White	250	1,000
M16	White	100	400
M6	Black	500	3,000
M8	Black	250	3,000
M10	Black	250	1,000
M12	Black	250	1,000
M16	Black	100	400

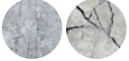
Tie wire anchor



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	AXIS LETTER
6 x 60 Ø6	100	2,400	55	-	100	-	142	-	-

Nail anchor for non-structural applications in concrete. ETA approved

RANGE

PRODUCT	PICTURE	ASSESSMENT	COAT./MAT.	BASE MATERIALS	LOADS
Nail head. Zinc-plated shaft. ATLANTIS C3-L clip		 			
Projecting bolt. Zinc-plated shaft. ATLANTIS C3-L clip		 			
Hanger female. Zinc-plated shaft. ATLANTIS C3-L clip		 			
Hook bolt. Zinc-plated shaft. ATLANTIS C3-L clip		 			
Eye bolt. Zinc-plated shaft. ATLANTIS C3-L clip		 			

Nail head. Zinc-plated shaft. ATLANTIS C3-L clip



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø6 x 35	100	1,600	35	-	80	5	243	243
Ø6 x 40	100	1,600	40	-	80	5	243	243
Ø6 x 45	100	1,600	40	-	80	10	243	243
Ø6 x 50	100	1,600	40	-	80	15	243	243
Ø6 x 55	100	1,600	40	-	80	20	243	243
Ø6 x 65	100	1,200	40	-	80	30	243	243
Ø6 x 85	100	800	40	-	80	50	243	243
Ø6 x 110	100	800	40	-	80	75	243	243

Projecting bolt. Zinc-plated shaft. ATLANTIS C3-L clip



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø6 x 45 (M6)	100	800	40	7	80	1	243	243
Ø6 x 50 (M6)	100	800	40	7	80	6	243	243
Ø6 x 55 (M6)	100	800	40	7	80	11	243	243

Nail anchor for non-structural applications in concrete. ETA approved

Hanger female. Zinc-plated shaft. ATLANTIS C3-L clip



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø6 x 58 (M8+M10)	50	800	40	-	80	-	243	243
Ø6 x 63 (M8+M10)	50	800	40	-	80	-	243	243

Hook bolt. Zinc-plated shaft. ATLANTIS C3-L clip



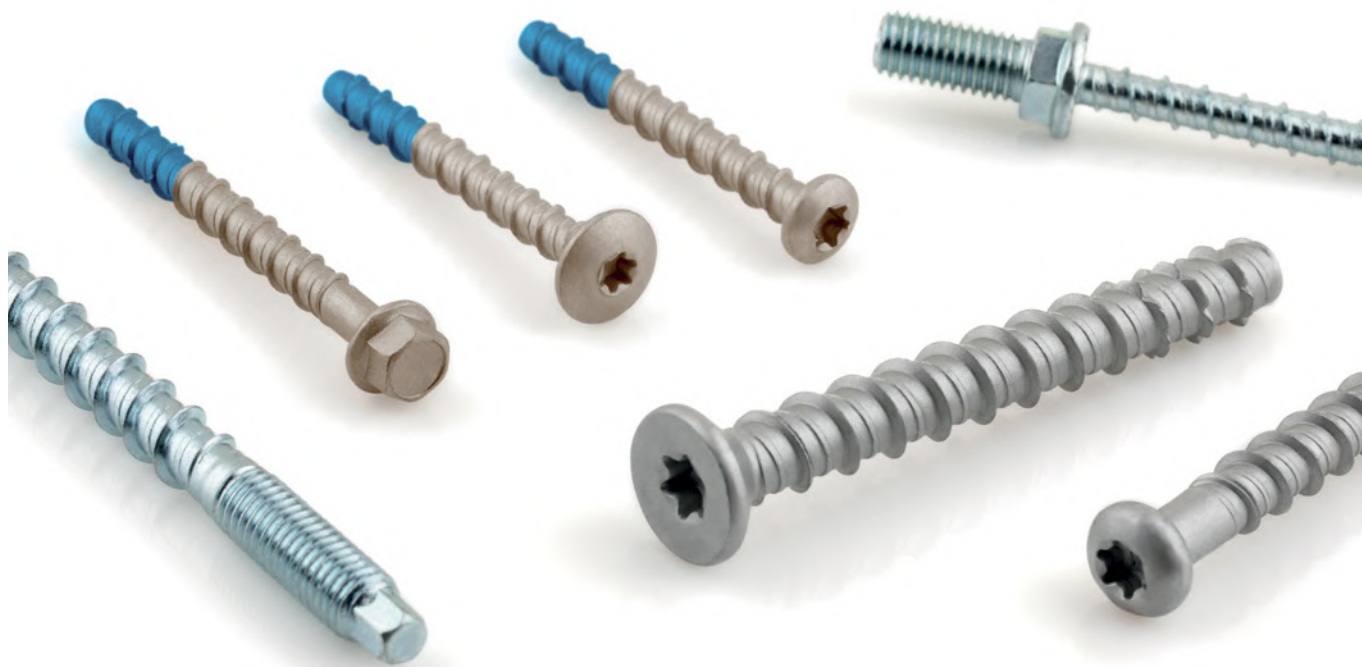
SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø6 x 55	100	1,200	40	-	80	-	73	73

Eye bolt. Zinc-plated shaft. ATLANTIS C3-L clip



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø6 x 55	100	1,200	40	-	80	-	73	73

Concrete screw anchor



RANGE

	PRODUCT	PICTURE	ASSESSMENT	COAT./ MAT.	BASE MATERIALS	LOADS
NEW	Opt.1 ETA Assessed. Hexagon head					
NEW	Opt.1 ETA Assessed. Countersunk head					
NEW	Opt.1 ETA Assessed. Pan head					
NEW	Opt.1 ETA Assessed. Truss head					
NEW	Opt.1 ETA Assessed. Hanger female					
	Opt.1 ETA Assessed. Hexagon head					
	Opt.1 ETA Assessed. Countersunk head					
	Opt.1 ETA Assessed. Pan head					
	Opt.1 ETA Assessed. Truss head					

RANGE

	PRODUCT	PICTURE	ASSESSMENT	COAT./ MAT.	BASE MATERIALS	LOADS
	Opt.1 ETA Assessed. Hexagon head		      	Zn	    	
NEW	Opt.1 ETA Assessed. Countersunk head		      	Zn	    	
NEW	Opt.1 ETA Assessed. Pan head		      	Zn	    	
NEW	Opt.1 ETA Assessed. Truss head		      	Zn	    	
	Opt.1 ETA Assessed. Hexagon head without nut		      	Zn	    	
	Opt.1 ETA Assessed. Stud bolt		      	Zn	    	
NEW	Eye bolt head			Zn	    	
NEW	Setting tool for eye bolt head					
NEW	Opt.1 ETA Assessed. Hanger female		     	Zn	    	
	Opt.1 ETA Assessed. Hanger male		    	Zn	    	
NEW	Short version. Truss head		 	Zn	    	
NEW	Short version. Pan head		 	Zn	    	
NEW	Short version. Hanger male		 	Zn	    	

Bimetal concrete screw anchor (stainless steel A4 body and hardened carbon steel point)

Opt.1 ETA Assessed. Hexagon head



NEW

SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø6 x 40	100	1,600	45	10	80	5	222	40
Ø6 x 60	100	1,200	65	10	80	5	485	303
Ø8 x 70	50	200	75	20	80	5	714	500
Ø8 x 80	25	400	75	20	80	15	714	500
Ø8 x 90	25	400	75	20	80	25	714	500
Ø8 x 105	25	400	75	20	80	40	714	500
Ø10 x 70	50	200	65	30	80	15	532	372
Ø10 x 90	25	300	95	30	100	5	1,091	764
Ø10 x 100	25	300	95	30	100	15	1,091	764
Ø10 x 120	25	200	95	30	100	35	1,091	764
Ø12 x 80	25	100	90	50	120	5	879	570
Ø12 x 110	25	100	120	50	160	5	1,822	1,275

Opt.1 ETA Assessed. Countersunk head



NEW

SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø8 x 60	50	200	60	20	80	10	405	202
Ø8 x 80	25	400	75	20	80	15	714	500
Ø8 x 120	25	400	75	20	80	55	714	500
Ø10 x 70	50	200	65	30	80	15	532	372
Ø10 x 90	25	300	95	30	100	5	1,091	764
Ø10 x 120	25	200	95	30	100	35	1,091	764

Opt.1 ETA Assessed. Pan head



NEW

SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø6 x 50	50	800	45	10	80	15	222	40
Ø6 x 60	50	600	65	10	80	5	485	303
Ø6 x 80	50	400	65	10	80	25	485	303
Ø6 x 100	50	400	65	10	80	45	485	303
Ø8 x 60	25	400	60	20	80	10	405	202
Ø8 x 80	25	400	75	20	80	15	714	500

Bimetal concrete screw anchor (stainless steel A4 body and hardened carbon steel point)

Opt.1 ETA Assessed. Truss head



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø6 x 40	50	1,200	45	10	80	5	222	40
Ø6 x 50	50	1,200	45	10	80	15	222	40
Ø6 x 60	50	800	65	10	80	5	485	303
Ø6 x 80	50	800	65	10	80	25	485	303
Ø6 x 100	50	400	65	10	80	45	485	303

Opt.1 ETA Assessed. Hanger female



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø6 x 40 (M8-M10)	50	800	50	10	80	-	392	40

Concrete screw anchor with ATLANTIS C3-H coating

Opt.1 ETA Assessed. Hexagon head



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø5 x 40	100	2,400	45	8	80	5	326	228
Ø5 x 50	100	1,600	55	8	80	5	494	346
Ø5 x 60	100	1,600	55	8	80	15	494	346
Ø5 x 80	50	800	55	8	80	35	494	346
Ø5 x 100	50	800	55	8	80	55	494	346
Ø6 x 35	100	1,600	45	10	100	-	-	-
Ø6 x 40	100	1,600	45	10	100	5	202	185
Ø6 x 45	100	1,200	45	10	100	10	202	185
Ø6 x 50	100	1,200	45	10	100	15	202	185
Ø6 x 60	100	1,200	65	10	100	5	673	471
Ø6 x 70	50	600	65	10	100	15	673	471
Ø6 x 80	50	800	65	10	100	25	673	471
Ø6 x 100	25	400	65	10	100	45	673	471
Ø6 x 120	25	400	65	10	100	65	673	471
Ø8 x 55	50	600	60	20	100	5	457	320

More range next page

Concrete screw anchor with ATLANTIS C3-H coating

Opt.1 ETA Assessed. Hexagon head

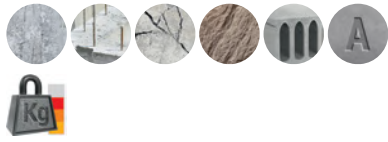


SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø8 x 60	50	600	60	20	100	10	457	320
Ø8 x 70	50	200	75	20	100	5	857	600
Ø8 x 75	25	400	75	20	100	10	857	600
Ø8 x 80	25	400	75	20	100	15	857	600
Ø8 x 90	25	400	75	20	100	25	857	600
Ø8 x 100	25	400	75	20	100	35	857	600
Ø8 x 110	25	400	75	20	100	45	857	600
Ø8 x 120	25	400	75	20	100	55	857	600
Ø8 x 140	25	300	75	20	100	75	857	600
Ø10 x 60	50	200	65	30	100	5	638	447
Ø10 x 70	50	200	65	30	100	15	638	447
Ø10 x 80	50	300	65	30	100	25	638	447
Ø10 x 90	25	300	95	30	135	5	1,310	917
Ø10 x 100	25	300	95	30	135	15	1,310	917
Ø10 x 120	25	200	95	30	135	35	1,310	917
Ø10 x 140	25	100	95	30	135	55	1,310	917
Ø10 x 160	25	100	95	30	135	75	1,310	917
Ø10 x 180	25	100	95	30	135	95	1,310	917
Ø12 x 80	25	100	90	50	120	5	1,055	738
Ø12 x 90	25	100	90	50	120	15	1,055	738
Ø12 x 100	25	100	90	50	120	25	1,055	738
Ø12 x 110	25	100	120	50	170	5	1,822	1,275
Ø12 x 130	25	150	120	50	170	25	1,822	1,275
Ø12 x 150	25	100	120	50	170	45	1,822	1,275
Ø14 x 80	25	150	90	70	120	5	1,055	738
Ø14 x 100	25	150	90	70	120	25	1,055	738
Ø14 x 110	25	100	90	70	120	35	1,055	738
Ø14 x 120	25	100	130	70	185	5	2,107	1,475
Ø14 x 130	25	100	130	70	185	15	2,107	1,475
Ø14 x 140	25	100	130	70	185	25	2,107	1,475
Ø14 x 160	25	50	130	70	185	45	2,107	1,475
Ø16 x 100	25	100	100	80	115	20	1,055	738
Ø16 x 150	25	75	140	80	185	30	2,107	1,475
Ø18 x 100	20	80	110	90	140	10	1,384	968
Ø18 x 130	20	40	110	90	140	40	1,384	968
Ø18 x 160	15	30	160	90	225	20	2,830	1,981
Ø18 x 180	15	30	160	90	225	40	2,830	1,981
Ø18 x 200	10	20	160	90	225	60	2,830	1,981

More range previous page

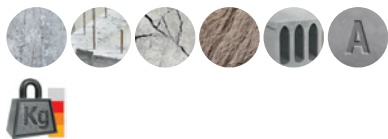
Concrete screw anchor with ATLANTIS C3-H coating

Opt.1 ETA Assessed. Countersunk head



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø5 x 40	100	2,400	45	8	80	5	326	228
Ø5 x 60	100	1,200	55	8	80	15	494	346
Ø5 x 80	50	800	55	8	80	35	494	346
Ø5 x 100	50	800	55	8	80	55	494	346
Ø6 x 45	100	1,600	45	10	100	10	202	185
Ø6 x 50	100	1,200	45	10	100	15	202	185
Ø6 x 60	100	1,200	65	10	100	5	673	471
Ø6 x 80	100	600	65	10	100	25	673	471
Ø6 x 100	100	600	65	10	100	45	673	471
Ø6 x 120	100	400	65	10	100	65	673	471
Ø6 x 140	100	600	65	10	100	85	673	471
Ø8 x 60	50	200	60	20	100	10	457	320
Ø8 x 80	25	400	75	20	100	15	857	600
Ø8 x 100	25	400	75	20	100	35	857	600
Ø8 x 120	25	400	75	20	100	55	857	600
Ø10 x 100	25	300	95	30	135	15	1,310	600
Ø10 x 120	25	200	95	30	135	35	1,310	600

Opt.1 ETA Assessed. Pan head



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø5 x 40	100	2,400	45	8	80	5	326	228
Ø5 x 60	100	1,200	55	8	80	15	494	346
Ø6 x 40	100	1,200	45	10	100	5	202	185
Ø6 x 50	100	1,200	45	10	100	15	202	185
Ø6 x 60	100	1,200	65	10	100	5	673	471
Ø6 x 80	50	600	65	10	100	25	673	471
Ø6 x 100	50	200	65	10	100	45	673	471
Ø8 x 60	25	400	60	20	100	10	457	320
Ø8 x 80	25	300	75	20	100	15	857	600

Concrete screw anchor with ATLANTIS C3-H coating

Opt.1 ETA Assessed. Truss head



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø6 x 40	100	1,600	45	10	100	5	202	185
Ø6 x 50	100	1,200	45	10	100	15	202	185
Ø6 x 60	100	400	65	10	100	5	673	471

Concrete screw anchor with zinc plated coating

Opt.1 ETA Assessed. Hexagon head

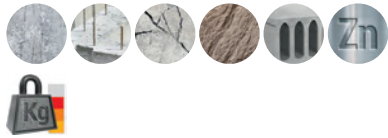


SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø5 x 60	100	1,600	55	8	80	15	494	346
Ø5 x 80	50	800	55	8	80	35	494	346
Ø5 x 100	50	800	55	8	80	55	494	346
Ø6 x 35	100	1,600	45	10	100	-	-	-
Ø6 x 40	100	1,600	45	10	100	5	202	185
Ø6 x 45	100	1,200	45	10	100	10	202	185
Ø6 x 50	100	1,200	45	10	100	15	202	185
Ø6 x 60	100	1,200	65	10	100	5	673	471
Ø6 x 70	50	600	65	10	100	15	673	471
Ø6 x 80	50	800	65	10	100	25	673	471
Ø6 x 100	25	400	65	10	100	45	673	471
Ø6 x 120	25	400	65	10	100	65	673	471
Ø8 x 55	50	600	60	20	100	5	457	320
Ø8 x 60	50	600	60	20	100	10	457	320
Ø8 x 70	50	200	75	20	100	5	857	600
Ø8 x 75	25	400	75	20	100	10	857	600
Ø8 x 80	25	400	75	20	100	15	857	600
Ø8 x 90	25	400	75	20	100	25	857	600
Ø8 x 100	25	400	75	20	100	35	857	600
Ø8 x 110	25	400	75	20	100	45	857	600
Ø8 x 120	25	400	75	20	100	55	857	600
Ø8 x 140	25	300	75	20	100	75	857	600
Ø10 x 60	50	200	65	30	100	5	638	447

More range next page

Concrete screw anchor with zinc plated coating

Opt.1 ETA Assessed. Hexagon head

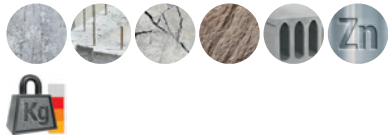


SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø10 x 70	50	200	65	30	100	15	638	447
Ø10 x 80	50	300	85	30	120	25	638	447
Ø10 x 90	25	300	95	30	135	5	1,310	917
Ø10 x 100	25	300	95	30	135	15	1,310	917
Ø10 x 120	25	200	95	30	135	35	1,310	917
Ø10 x 140	25	100	95	30	135	55	1,310	917
Ø10 x 160	25	100	95	30	135	75	1,310	917
Ø10 x 180	25	100	95	30	135	95	1,310	917
Ø12 x 80	25	100	90	50	120	5	1,055	738
Ø12 x 90	25	100	90	50	120	15	1,055	738
Ø12 x 100	25	100	90	50	120	25	1,055	738
Ø12 x 110	25	100	120	50	170	5	1,822	1,275
Ø12 x 130	25	150	120	50	170	25	1,822	1,275
Ø12 x 150	25	100	120	50	170	45	1,822	1,275
Ø14 x 80	25	150	90	70	120	5	1,055	738
Ø14 x 100	25	150	90	70	120	25	1,055	738
Ø14 x 110	25	100	90	70	120	35	1,055	738
Ø14 x 120	25	100	130	70	185	5	2,107	1,475
Ø14 x 130	25	100	130	70	185	15	2,107	1,475
Ø14 x 140	25	100	130	70	185	25	2,107	1,475
Ø14 x 160	25	50	130	70	185	45	2,107	1,475
Ø16 x 100	25	100	100	80	115	20	1,055	738
Ø16 x 150	25	75	140	80	185	30	2,107	1,475
Ø18 x 100	20	80	110	90	140	10	1,384	968
Ø18 x 130	20	40	110	90	140	40	1,384	968
Ø18 x 160	15	30	160	90	225	20	2,830	1,981
Ø18 x 180	15	30	160	90	225	40	2,830	1,981
Ø18 x 200	10	20	160	90	225	60	2,830	1,981

More range previous page

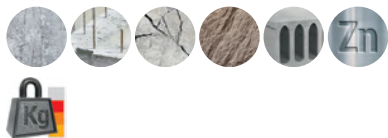
Concrete screw anchor with zinc plated coating

Opt.1 ETA Assessed. Countersunk head



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø5 x 40	100	2,400	45	8	80	5	326	228
Ø5 x 60	100	1,200	55	8	80	15	494	346
Ø5 x 80	50	800	55	8	80	35	494	346
Ø5 x 100	50	800	55	8	80	55	494	346
Ø6 x 45	100	1,600	45	10	100	10	202	185
Ø6 x 50	100	1,200	45	10	100	15	202	185
Ø6 x 60	100	1,200	65	10	100	5	673	471
Ø6 x 80	100	600	65	10	100	25	673	471
Ø6 x 80	100	600	65	10	100	45	673	471
Ø6 x 120	100	400	65	10	100	65	673	471
Ø6 x 140	100	600	65	10	100	85	673	471
Ø8 x 60	50	200	60	20	100	10	457	320
Ø8 x 80	25	400	75	20	100	15	857	600
Ø8 x 100	25	400	75	20	100	35	857	600
Ø8 x 120	25	400	75	20	100	55	857	600
Ø10 x 100	25	300	95	30	135	15	1,310	600
Ø10 x 120	25	200	95	30	135	35	1,310	600

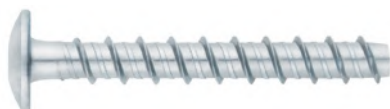
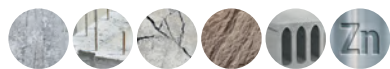
Opt.1 ETA Assessed. Pan head



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø5 x 40	100	2,400	45	8	80	5	326	228
Ø5 x 60	100	1,200	55	8	80	15	494	346
Ø6 x 40	100	1,200	45	10	100	5	202	185
Ø6 x 50	100	1,200	45	10	100	15	202	185
Ø6 x 60	100	1,200	65	10	100	5	673	471
Ø6 x 80	50	600	65	10	100	25	673	471
Ø6 x 100	50	200	65	10	100	45	673	471
Ø8 x 60	25	400	60	20	100	10	457	320
Ø8 x 80	25	300	75	20	100	15	857	600

Concrete screw anchor with zinc plated coating

Opt.1 ETA Assessed. Truss head



NEW

SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø6 x 40	100	1,600	45	10	100	5	202	185
Ø6 x 50	100	1,200	45	10	100	15	202	185
Ø6 x 60	100	400	65	10	100	5	673	471

Opt.1 ETA Assessed. Hexagon head without nut



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø14 x 80	25	150	90	70	120	5	1,055	738

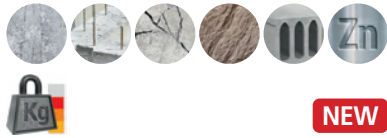
Opt.1 ETA Assessed. Stud bolt



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø6 x 100 (M8)	50	800	65	10	100	31	673	471
Ø6 x 120 (M8)	50	600	65	10	100	51	673	471
Ø8 x 110 (M10)	50	400	75	20	100	29	857	600
Ø8 x 130 (M10)	50	400	75	20	100	49	857	600
Ø10 x 120 (M12)	25	200	85	30	120	26	1,068	748
Ø10 x 140 (M12)	25	200	85	30	120	46	1,068	748

Concrete screw anchor with zinc plated coating

Eye bolt head



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø8 x 55	50	300	60	20	100	-	457	320
Ø8 x 75	50	300	75	20	100	-	857	600
Ø12 x 75	20	120	90	50	120	-	1,055	738

Special installation setting tool available

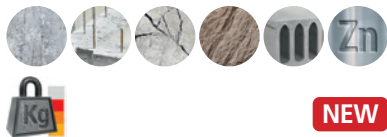
Setting tool for eye bolt head



NEW

SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø8 x 55	50	300	60	20	100	-	457	320
Ø8 x 75	50	300	75	20	100	-	857	600
Ø12 x 75	20	120	90	50	120	-	1,055	738

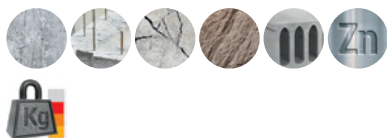
Opt.1 ETA Assessed. Hanger female



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø5 x 35 (M6)	50	1,200	45	8	80	-	326	288
Ø6 x 35 (M8-M10)	50	200	45	10	100	-	-	-
Ø6 x 40 (M8-M10)	50	200	45	10	100	-	202	185
Ø6 x 55 (M8-M10)	50	200	65	10	100	-	673	471
Ø8 x 50 (M10)	50	600	60	20	100	-	457	320
Ø8 x 50 (M12)	50	300	60	20	100	-	457	320



Opt.1 ETA Assessed. Hanger male



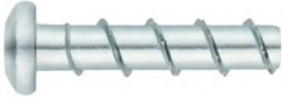
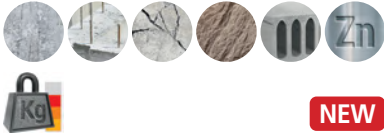
SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø6 x 35 (M8)	100	400	45	10	100	-	202	185
Ø6 x 55 (M10)	100	600	65	10	100	-	673	471



Concrete screw anchor with zinc plated coating

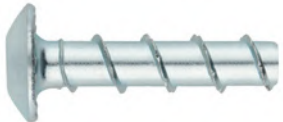
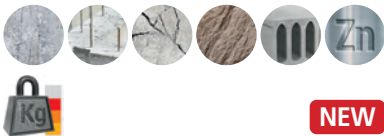
Short version. Truss head

SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø6 x 28	100	2,400	30	10	80	-	80	80



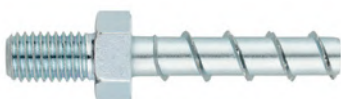
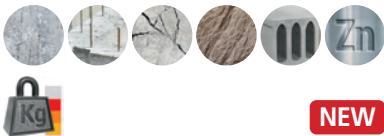
Short version. Pan head

SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø6 x 28	100	2,400	30	10	80	-	80	80



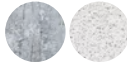
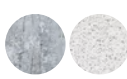
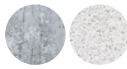
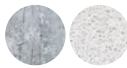
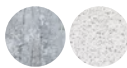
Short version. Hanger male

SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø6 x 28	100	2,400	30	10	80	-	80	80



Screw for direct fixing

RANGE

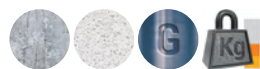
PRODUCT	PICTURE	COAT./ MAT.	BASE MATERIALS	LOADS
Screw				
Screw with vulcanized EPDM-steel washer				
Flat head, TX recess. Yellow zinc-plated NEW				
Flat head, TX recess. Zinc-plated NEW				
Cylindrical head TX NEW				

Screw



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
6,5 x 32 Ø5	1,000	3,000	40	12	100	7	-
6,5 x 45 Ø5	500	2,000	50	12	100	5	165
6,5 x 57 Ø5	500	2,000	50	12	100	17	165
6,5 x 70 Ø5	500	1,500	50	12	100	30	165
6,5 x 80 Ø5	250	1,000	50	12	100	40	165
6,5 x 100 Ø5	250	750	50	12	100	60	165
6,5 x 125 Ø5	250	1,000	50	12	100	85	165

Screw with vulcanized EPDM-steel washer



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
6,5 x 32 P16 Ø5	1,000	2,000	40	12	100	7	-
6,5 x 45 P16 Ø5	500	1,500	50	12	100	5	165
6,5 x 57 P16 Ø5	500	1,500	50	12	100	17	165
6,5 x 70 P16 Ø5	500	1,000	50	12	100	30	165
6,5 x 80 P16 Ø5	250	750	50	12	100	40	165
6,5 x 100 P16 Ø5	250	750	50	12	100	60	165
6,5 x 125 P16 Ø5	250	500	50	12	100	85	165

Screw for direct fixing

Flat head, TX recess. Yellow zinc-plated



NEW



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
7,5 x 72 Ø6	100	1,200	50	15	100	40	90
7,5 x 92 Ø6	100	1,200	50	15	100	60	90
7,5 x 112 Ø6	100	800	50	15	100	80	90
7,5 x 132 Ø6	100	600	50	15	100	100	90
7,5 x 152 Ø6	100	600	50	15	100	120	90
7,5 x 182 Ø6	100	300	50	15	100	150	90

Flat head, TX recess. Zinc-plated



NEW



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
7,5 x 72 Ø6	100	1,200	50	15	100	40	90
7,5 x 92 Ø6	100	1,200	50	15	100	60	90
7,5 x 112 Ø6	100	800	50	15	100	80	90
7,5 x 132 Ø6	100	600	50	15	100	100	90
7,5 x 152 Ø6	100	600	50	15	100	120	90
7,5 x 182 Ø6	100	300	50	15	100	150	90
7,5 x 212 Ø6	100	300	50	15	100	180	90

Cylindrical head TX



NEW



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
7,5 x 72 Ø6	100	1,200	45	15	100	32	100
7,5 x 92 Ø6	100	1,200	45	15	100	52	100
7,5 x 112 Ø6	100	800	45	15	100	72	100
7,5 x 132 Ø6	100	600	45	15	100	92	100

Heavy duty anchor for high performance in concrete

RANGE

PRODUCT	PICTURE	ASSESSMENT	COAT./ MAT.	BASE MATERIALS	LOADS
Opt.1 ETA Assessed. Hexagonal head		    		   	
Opt.1 ETA Assessed. Countersunk head		    		   	
NEW Opt.1 ETA Assessed. Projecting bolt		    		   	

Opt.1 ETA Assessed. Hexagonal head



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "tmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
M6 x 70 Ø10	50	600	70	15	100	10	728	591
M6 x 80 Ø10	50	600	70	15	100	20	728	591
M6 x 100 Ø10	50	300	70	15	100	40	728	591
M6 x 110 Ø10	25	150	70	15	100	50	728	591
M8 x 80 Ø12	50	300	85	30	120	5	971	777
M8 x 90 Ø12	50	200	85	30	120	15	971	777
M8 x 100 Ø12	50	200	85	30	120	25	971	777
M8 x 120 Ø12	25	200	85	30	120	45	971	777
M10 x 100 Ø16	25	150	95	50	140	15	1,399	979
M10 x 120 Ø16	25	100	95	50	140	35	1,399	979
M10 x 140 Ø16	20	60	95	50	140	55	1,399	979
M10 x 160 Ø16	20	60	95	50	140	75	1,399	979
M12 x 110 Ø18	20	80	110	80	170	10	1,871	1,310
M12 x 120 Ø18	20	80	110	80	170	20	1,871	1,310
M12 x 140 Ø18	20	80	110	80	170	40	1,871	1,310
M12 x 150 Ø18	20	80	110	80	170	50	1,871	1,310
M12 x 170 Ø18	15	45	110	80	170	70	1,871	1,310
M12 x 200 Ø18	15	30	110	80	170	100	1,871	1,310
M16 x 140 Ø24	10	40	130	160	200	20	1,990	1,393
M16 x 170 Ø24	10	30	130	160	200	50	1,990	1,393
M16 x 200 Ø24	10	20	130	160	200	80	1,990	1,393
M16 x 220 Ø24	10	20	130	160	200	100	1,990	1,393
M20 x 170 Ø28	10	20	160	240	250	20	2,781	1,947
M20 x 200 Ø28	10	20	160	240	250	50	2,781	1,947
M20 x 240 Ø28	5	10	160	240	250	90	2,781	1,947

Heavy duty anchor for high performance in concrete

Opt.1 ETA Assessed. Countersunk head



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
M6 x 70 Ø10	50	600	70	15	100	10	728	591
M6 x 80 Ø10	50	600	70	15	100	20	728	591
M6 x 100 Ø10	50	300	70	15	100	40	728	591
M8 x 100 Ø12	50	200	85	30	120	25	971	777
M10 x 100 Ø16	25	150	95	50	140	15	1,399	979
M10 x 120 Ø16	25	100	95	50	140	35	1,399	979
M12 x 120 Ø18	20	80	110	80	170	20	1,871	1,310

Opt.1 ETA Assessed. Projecting bolt



NEW

SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
M8 x 95 Ø12	50	200	85	30	120	20	971	777
M8 x 155 Ø12	25	100	85	30	120	80	971	777
M10 x 125 Ø16	25	100	95	50	140	40	1,399	979
M10 x 160 Ø16	20	60	95	50	140	75	1,399	979
M10 x 245 Ø16	10	20	95	50	140	160	1,399	979
M12 x 150 Ø18	20	40	110	80	170	50	1,871	1,310
M12 x 170 Ø18	15	45	110	80	170	70	1,871	1,310
M12 x 260 Ø18	5	10	110	80	170	160	1,871	1,310
M16 x 145 Ø24	10	40	130	160	200	25	1,990	1,393
M16 x 170 Ø24	10	30	130	160	200	50	1,990	1,393
M16 x 200 Ø24	10	20	130	160	200	80	1,990	1,393
M16 x 280 Ø24	5	10	130	160	200	160	1,990	1,393
M20 x 210 Ø28	5	10	160	240	250	60	2,781	1,947
M20 x 230 Ø28	5	10	160	240	250	80	2,781	1,947
M20 x 310 Ø28	5	10	160	240	250	160	2,781	1,947

Anti-spin sleeve anchor for medium loads



RANGE

PRODUCT	PICTURE	ASSESSMENT	COAT./ MAT.	PRODUCT	PICTURE	ASSESSMENT	COAT./ MAT.
Opt.7 ETA Assessed. Hexagonal head screw 6.8.				Projecting bolt			
Opt.7 ETA Assessed. A2 Stainless steel				Hook bolt			
Opt.7 ETA Assessed. Hexagonal head screw 8.8.				Hook spiral			
Hexagonal head screw 8.8 for reduced thicknesses				Forged hook bolt			
Opt.7 ETA Assessed. Flat head screw				A2 Stainless steel forged hook bolt			
Opt.7 ETA Assessed. A2 Stainless steel flat head screw				Eye bolt			
Opt.7 ETA Assessed. Zinc-plated tamperproof head				Forged eye bolt			
Opt.7 ETA Assessed. Black zinc-plated tamperproof head				A2 Stainless steel forged eye bolt			

BASE MATERIALS

LOADS



Anti-spin sleeve anchor for medium loads

Opt.7 ETA Assessed. Hexagonal head screw 6.8.



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø8	200	1,200	45	10	100	5	267
M6 x 60 Ø8	200	800	45	10	100	20	267
M6 x 45 Ø9	200	800	45	10	100	5	267
M6 x 60 Ø9	200	800	45	10	100	20	267
M8 x 60 Ø10	100	600	60	20	100	5	485
M8 x 80 Ø10	100	400	60	20	100	27	485
M8 x 60 Ø11	100	400	60	20	100	5	485
M8 x 80 Ø11	100	400	60	20	100	27	485
M10 x 70 Ø12	100	200	75	35	100	5	662
M10 x 100 Ø12	50	200	75	35	100	32	662
M10 x 70 Ø14	100	200	75	35	100	5	662
M10 x 100 Ø14	50	200	75	35	100	32	662
M12 x 80 Ø16	50	200	80	50	110	5	812
M12 x 110 Ø16	50	100	80	50	110	37	812
M16 x 110 Ø20	25	50	105	140	145	15	1,459
M20 x 130 Ø25	15	45	130	240	160	25	1,424

Opt.7 ETA Assessed. A2 Stainless steel



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø8	100	1,200	45	10	100	5	392
M6 x 60 Ø8	100	600	45	10	100	20	392
M6 x 45 Ø9	100	1,200	45	10	100	5	392
M6 x 60 Ø9	100	600	45	10	100	20	392
M8 x 60 Ø10	100	600	60	20	100	5	384
M8 x 80 Ø10	100	400	60	20	100	27	384
M8 x 60 Ø11	100	400	60	20	100	5	384
M8 x 80 Ø11	100	400	60	20	100	27	384
M10 x 70 Ø12	100	200	75	35	100	5	566
M10 x 100 Ø12	50	200	75	35	100	32	566
M10 x 70 Ø14	100	300	75	35	100	5	566
M10 x 100 Ø14	50	200	75	35	100	32	566
M12 x 80 Ø16	50	100	80	50	110	5	647
M12 x 110 Ø16	50	100	80	50	110	37	647
M16 x 110 Ø20	25	75	105	140	145	15	971

Anti-spin sleeve anchor for medium loads

Opt.7 ETA Assessed. Hexagonal head screw 8.8.



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø8	200	1,200	45	10	100	5	267
M6 x 60 Ø8	200	800	45	10	100	20	267
M8 x 60 Ø10	100	600	60	20	100	5	485
• M6 x 80 Ø8	100	600	45	10	100	40	267
• M6 x 100 Ø8	50	300	45	10	100	60	267
M8 x 80 Ø10	100	400	60	20	100	27	485
• M8 x 100 Ø10	50	300	60	20	100	47	485
• M8 x 120 Ø10	50	300	60	20	100	87	485
• M8 x 140 Ø10	25	200	60	20	100	67	485
M10 x 70 Ø12	100	200	75	35	100	5	662
M10 x 100 Ø12	50	200	75	35	100	32	662
• M10 x 120 Ø12	50	200	65	35	100	52	662
• M10 x 150 Ø12	25	100	65	35	100	82	662
M12 x 80 Ø16	50	200	80	50	110	5	812
M12 x 110 Ø16	50	100	80	50	110	37	812
M16 x 110 Ø20	25	50	105	140	145	15	1,459

• Non-assessed sizes
Dimensions without pipe are not ETA assessed

Hexagonal head screw 8.8 for reduced thicknesses



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 40 Ø8	200	1,200	40	10	70	5	215
M8 x 40 Ø10	100	600	45	20	70	5	249

Opt.7 ETA Assessed. Flat head screw



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø8	100	1,600	45	10	100	5	267
M6 x 60 Ø8	100	1,200	45	10	100	20	267
M8 x 60 Ø10	100	400	60	20	100	5	485
M8 x 80 Ø10	100	600	60	20	100	27	485
M10 x 70 Ø12	50	400	75	35	100	5	662
M10 x 100 Ø12	50	300	75	35	100	32	662

Anti-spin sleeve anchor for medium loads

Opt.7 ETA Assessed. A2 Stainless steel flat head screw



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø8	100	1,200	45	10	100	5	392
M6 x 60 Ø8	100	1,200	45	10	100	20	392
M8 x 60 Ø10	100	600	60	20	100	5	384
M8 x 80 Ø10	100	400	60	20	100	27	384
M10 x 70 Ø12	50	300	75	35	100	5	566
M10 x 100 Ø12	50	300	75	35	100	32	566

Opt.7 ETA Assessed. Zinc-plated tamperproof head



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø8	100	1,200	45	10	100	5	267
M6 x 60 Ø8	100	800	45	10	100	20	267
M8 x 60 Ø10	100	600	60	20	100	5	485
M8 x 80 Ø10	100	400	60	20	100	27	485

Opt.7 ETA Assessed. Black zinc-plated tamperproof head



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø8	100	1,200	45	10	100	5	267
M6 x 60 Ø8	100	800	45	10	100	20	267
M8 x 60 Ø10	100	600	60	20	100	5	485
M8 x 80 Ø10	100	400	60	20	100	27	485

Anti-spin sleeve anchor for medium loads

Projecting bolt



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø8	200	1,200	45	10	100	5	267
M6 x 45 Ø9	200	800	45	10	100	5	267
M8 x 60 Ø10	100	600	60	20	100	5	485
M8 x 80 Ø10	100	400	60	20	105	27	485
M8 x 60 Ø11	100	600	60	20	100	5	485
M8 x 80 Ø11	100	400	60	20	105	27	485
M10 x 70 Ø12	100	200	75	35	100	5	662
M10 x 100 Ø12	50	200	75	35	110	32	662
M10 x 70 Ø14	100	200	75	35	100	5	662
M10 x 100 Ø14	50	200	75	35	100	32	662

Hook bolt



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø8	100	600	45	10	100	-	73
M6 x 45 Ø9	100	600	45	10	100	-	73
M8 x 60 Ø10	100	400	60	20	100	-	146
M8 x 60 Ø11	100	400	60	20	100	-	146
M10 x 70 Ø12	50	200	75	35	100	-	243
M10 x 70 Ø14	50	200	75	35	100	-	243
M12 x 80 Ø16	25	100	80	50	110	-	291

Hook spiral



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M8 x 115 Ø10	25	200	60	20	100	-	146
M10 x 135 Ø12	15	90	80	35	100	-	243

Forged hook bolt



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø8	100	600	45	10	100	-	80
M8 x 60 Ø10	100	400	60	20	100	-	155
M10 x 70 Ø12	50	200	75	35	100	-	243

Anti-spin sleeve anchor for medium loads

A2 Stainless steel forged hook bolt



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø8	100	600	45	10	100	-	84
M8 x 60 Ø10	100	400	60	20	100	-	84
M10 x 70 Ø12	50	200	75	35	100	-	155

Eye bolt



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø8	100	600	45	10	100	-	73
M6 x 45 Ø9	100	600	45	10	100	-	73
M8 x 60 Ø10	100	400	60	20	100	-	146
M8 x 60 Ø11	100	200	60	20	100	-	146
M10 x 70 Ø12	50	200	75	35	100	-	243
M10 x 70 Ø14	50	200	75	35	100	-	243
M12 x 80 Ø16	25	100	80	50	110	-	291

Forged eye bolt



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø8	100	600	45	10	100	-	204
M8 x 60 Ø10	100	400	60	20	100	-	485
M10 x 70 Ø12	50	200	75	35	100	-	662

A2 Stainless steel forged eye bolt



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø8	100	600	45	10	100	-	164
M8 x 60 Ø10	100	400	60	20	100	-	384
M10 x 70 Ø12	50	200	75	35	100	-	566

Drop in anchor



APPLICATIONS

- Fixing suspended ceilings, sprinklers and ventilation systems.
- Structural fixing, inner and outer ironworks.
- Fixing threaded bars.

CHARACTERISTICS

- Functioning by deformation.
- European assessment for structural applications in non cracked concrete.
- European assessment for non structural applications in cracked and non cracked concrete.
- Installation prior to the material to be fixed.
- Bolt can be disassembled so that the surface of the base material is smooth.
- Bolt not included.

RANGE

	PRODUCT	PICTURE	ASSESSMENT	COAT./MAT.	BASE MATERIALS	LOADS
	Zinc-plated. Opt.7 ETA Assessed & for non-structural applications			Zn		
	A4 Stainless steel. ETA Assessed for non-structural applications			A4 STAINLESS STEEL		
	With collar. Zinc-plated. Opt.7 ETA Assessed & for non-structural applications			Zn		
NEW	With collar. A4 Stainless steel. ETA Assessed for non-structural applications			A4 STAINLESS STEEL		
NEW	Short. Zinc-plated. ETA Assessed for non-structural applications			Zn		
	Zinc-plated			Zn		
NEW	ATLANTIS C3-L			A		
NEW	Stop drill bit			STEEL		
	Manual setting tool for Drop-in anchors			Zn		

Drop-in anchor with internal thread for heavy loads

Zinc-plated. Opt.7 ETA Assessed & for non-structural applications



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 25 Ø8	100	3,200	27	4	100	-	249
M8 x 30 Ø10	100	1,600	33	11	100	-	327
M10 x 40 Ø12	50	800	43	17	100	-	432
M12 x 50 Ø15	50	400	54	38	100	-	603
M12 x 50 Ø16	50	400	54	38	100	-	603
M16 x 65 Ø20	25	200	70	60	130	-	894
M20 x 80 Ø25	25	100	86	100	160	-	1,220

A4 Stainless steel. ETA Assessed for non-structural applications



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 25 Ø8	100	4,000	27	4	80	-	87
M8 x 30 Ø10	100	1,600	33	11	80	-	121
M10 x 40 Ø12	50	800	43	17	80	-	121
M12 x 50 Ø15	50	600	54	38	100	-	225
M16 x 65 Ø20	25	250	70	60	130	-	433
M20 x 80 Ø25	25	100	86	100	160	-	572

With collar. Zinc-plated. Opt.7 ETA Assessed & for non-structural applications



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M8 x 30 Ø10	100	1,600	33	11	100	-	327
M10 x 40 Ø12	50	800	43	17	100	-	432
M12 x 50 Ø15	50	400	54	38	100	-	603
M12 x 50 Ø16	50	400	54	38	100	-	603
M16 x 65 Ø20	25	200	70	60	130	-	894

Drop-in anchor with internal thread for heavy loads

With collar. A4 Stainless steel. ETA Assessed for non-structural applications



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 25 Ø8	100	3,200	27	4	80	-	87
M8 x 30 Ø10	100	1,600	33	11	80	-	121
M10 x 40 Ø12	50	800	43	17	80	-	121
M12 x 50 Ø15	50	400	54	38	100	-	225

Short. Zinc-plated. ETA Assessed for non-structural applications



NEW



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M8 x 25	100	1,600	28	11	80	-	101
M10 x 25	50	800	28	17	80	-	162
M12 x 25	50	800	29	38	80	-	162

Zinc-plated



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 25 Ø8	100	4,000	27	4	100	-	175
M8 x 30 Ø10	100	2,200	33	11	100	-	230
M10 x 40 Ø12	50	1,000	43	17	100	-	354
M12 x 50 Ø15	50	600	54	38	100	-	494
M16 x 65 Ø20	25	250	70	60	130	-	733
M20 x 80 Ø25	25	100	86	100	160	-	1,000

ATLANTIS C3-L



NEW

SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M8 x 30 Ø10	100	1,600	33	11	100	-	327
M10 x 40 Ø12	50	800	43	17	100	-	432
M12 x 50 Ø15	50	400	54	38	100	-	603
M16 x 65 Ø20	25	250	70	60	130	-	894

Drop-in anchor with internal thread for heavy loads

Stop drill bit for drop-in anchor with internal thread for heavy loads



NEW

SIZE	UNIT BOX	UNIT MASTER BOX
Ø8 x 27	1	10
Ø10 x 33	1	10
Ø12 x 43	1	10
Ø15 x 54	1	10
Ø10 x 28	1	10
Ø12 x 28	1	10
Ø15 x 29	1	10

Stop drill bit for drop-in anchor with internal thread for heavy loads. Short



NEW

SIZE	UNIT BOX	UNIT MASTER BOX
Ø10 x 28	1	10
Ø12 x 28	1	10
Ø15 x 29	1	10

Manual setting tool for Drop-in anchors



SIZE	UNIT BOX	UNIT MASTER BOX
M6	1	10
M8	1	10
M10	1	10
M12	1	10
M16	1	10
M20	1	10

Manual setting tool for Drop-in anchors

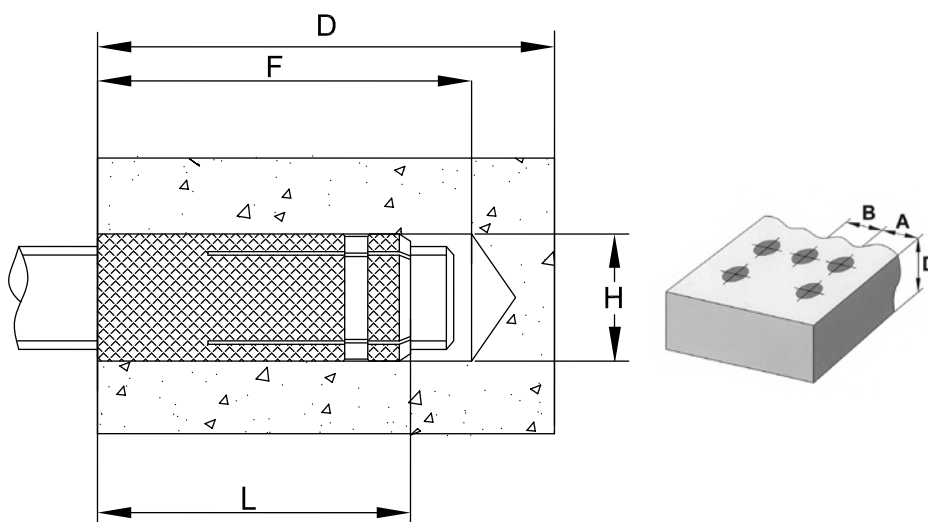


SIZE	UNIT BOX	UNIT MASTER BOX
M8 (HE-HC)	1	10
M10 (HE-HC)	1	10
M12 (HE-HC)	1	10

Brass expansion anchor for light fastenings in solid materials



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	MIN. SUBSTRATE THICKNESS "hmin"	TENSION LOAD NON-CRACKED CONCRETE
W5/32 x 16 Ø5	300	9,600	20	25	60
M4 x 16 Ø5	300	9,600	20	25	60
M5 x 18 Ø6	200	6,400	22	30	70
M6 x 23 Ø8	200	4,800	28	35	100
M8 x 28 Ø10	100	2,400	33	40	150
M10 x 33 Ø12	150	1,800	40	45	210
M12 x 38 Ø15	150	900	45	50	320



Steel expansion plug



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	MIN. SUBSTRATE THICKNESS "hmin"	TENSION LOAD NON-CRACKED CONCRETE
M5 x 30 Ø5	100	4,500	40	60	20
M6 x 32 Ø6	100	2,400	40	60	22
M8 x 38 Ø8	100	1,200	50	70	40
M8 x 60 Ø8	50	600	70	120	47
M10 x 60 Ø10	50	600	70	120	52

Ceiling wedge anchor ETA assessed

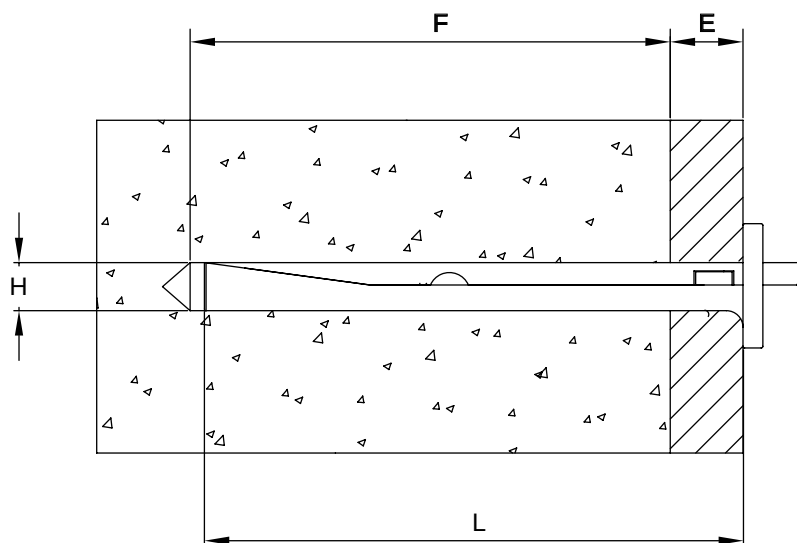


SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
6 x 40 Ø6	100	1200	40	80	5	120
6 x 70 Ø6	100	1200	40	80	35	120



CHARACTERISTICS

- Wedge-type, hammer-drive, metal anchor.
- To be used on solid base materials.
- Easy installation.
- Suitable for (static or almost static) medium loads.
- Tamper-proof solution.
- Installation through the element to be fixed.
- Multiple applications: suspensions from concrete ceilings attaching slit-steel straps, punched band, nonius system hanger or wood battens.



Winged steel anchor for heavy-duty fixings



CHARACTERISTICS

- Metallic anchor, with functioning principle by expansion and installation by controlled torque.
- Male thread.
- Use in non-cracked concrete.
- Easy assembly.
- Use for high loads.
- Anchor must be installed before the fixture.

BASE MATERIALS



RANGE

PRODUCT	PICTURE	COAT./ MAT.	PRODUCT	PICTURE	COAT./ MAT.
Shield		Zn	Projecting bolt		Zn
A4 Stainless steel shield		A4 STAINLESS STEEL	Hook bolt		Zn
Loose bolt 6.8		Zn	Eye bolt		Zn

Shield



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 40 Ø10	50	1,200	45	10	100	-	92
M8 x 50 Ø14	50	600	60	25	100	-	98
M10 x 60 Ø16	50	300	70	50	120	-	441
M12 x 80 Ø20	25	300	90	85	160	-	571
M16 x 100 Ø25	10	120	110	120	200	-	698

Winged steel anchor for heavy-duty fixings

A4 Stainless steel shield



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 40 Ø10	50	1,200	45	10	100	-	92
M8 x 50 Ø14	50	600	60	25	100	-	98
M10 x 60 Ø16	25	300	70	50	120	-	441
M12 x 80 Ø20	10	120	90	85	160	-	571

Loose bolt 6.8



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 40 Ø10	50	600	45	10	100	8	92
M8 x 50 Ø14	50	300	60	25	100	8	98
M10 x 60 Ø16	50	200	70	50	120	8	441
M12 x 80 Ø20	25	100	90	85	160	18	571
M16 x 125 Ø25	10	30	110	120	200	17	698

Projecting bolt



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 40 Ø10	50	600	45	10	100	8	92
M8 x 50 Ø14	50	300	60	25	100	8	98
M10 x 60 Ø16	50	200	70	50	120	8	441
M12 x 80 Ø20	25	100	90	85	160	18	571

Hook bolt



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 40 Ø10	50	600	45	10	100	-	80
M8 x 50 Ø14	50	300	60	25	100	-	98
M10 x 60 Ø16	50	100	70	50	120	-	243
M12 x 80 Ø20	25	50	90	85	160	-	396

Eye bolt



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 40 Ø10	50	600	45	10	100	-	92
M8 x 50 Ø14	50	300	60	25	100	-	98
M10 x 60 Ø16	50	200	70	50	120	-	441
M12 x 80 Ø20	25	100	90	85	160	-	571

Zamak anchor for medium-heavy loads in hollow and solid elements



CHARACTERISTICS

- Metallic anchor, with functioning principle by expansion and installation by controlled torque.
- Male thread.
- Use in non-cracked concrete.
- Use for high loads.
- Anchor must be installed before the fixture.
- Easy assembly.

BASE MATERIALS



RANGE

PRODUCT	PICTURE	COAT./MAT.	PRODUCT	PICTURE	COAT./MAT.
Shield		Zk Zn	Eye bolt		Zk Zn
Loose bolt		Zk Zn	Forged eye bolt		Zk Zn
Projecting bolt		Zk Zn	Long loose bolt		Zk Zn
Hook bolt		Zk Zn	Long loose bolt with pipe		Zk Zn
Forged hook bolt		Zk Zn			

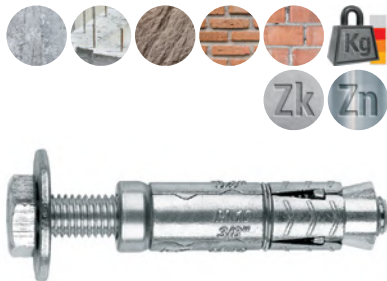
Shield



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 48 Ø12	100	1,200	60	7	100	-	513
M8 x 50 Ø14	100	600	65	15	100	-	561
M10 x 58 Ø16	50	300	75	30	102	-	725
M12 x 72 Ø20	25	300	90	50	122	-	865
M16 x 107 Ø25	25	150	125	120	192	-	1053

Zamak anchor for medium-heavy loads in hollow and solid elements

Loose bolt



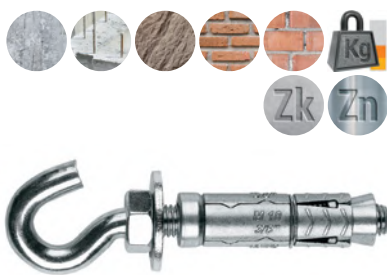
SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 50 Ø12	100	600	60	7	100	1	513
M8 x 60 Ø14	100	400	65	15	100	10	561
M10 x 80 Ø16	50	200	75	30	102	20	725
M12 x 100 Ø20	25	100	90	50	122	25	865
M16 x 140 Ø25	25	50	125	120	192	30	1053

Projecting bolt



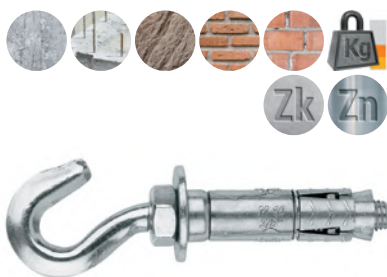
SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 60 Ø12	100	600	60	7	100	1	415
M8 x 70 Ø14	100	400	65	15	100	10	561
M10 x 100 Ø16	50	200	75	30	102	30	725
M12 x 120 Ø20	25	100	90	50	122	30	865
M16 x 140 Ø25	25	50	125	120	192	12	1053

Hook bolt



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø12	50	600	60	7	100	-	73
M8 x 50 Ø14	50	300	65	15	100	-	146
M10 x 56 Ø16	25	150	75	30	102	-	243
M12 x 70 Ø20	25	100	90	50	122	-	291

Forged hook bolt



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø12	50	600	60	7	100	-	80
M8 x 50 Ø14	50	300	65	15	100	-	155
M10 x 56 Ø16	25	150	75	30	102	-	243
M12 x 70 Ø20	25	75	90	50	122	-	396

Zamak anchor for medium-heavy loads in hollow and solid elements

Eye bolt



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø12	50	600	60	7	100	-	73
M8 x 50 Ø14	50	300	65	15	100	-	146
M10 x 56 Ø16	25	150	75	30	102	-	243
M12 x 70 Ø20	25	100	90	50	122	-	291

Forged eye bolt



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø12	50	600	60	7	100	-	204
M8 x 50 Ø14	50	300	65	15	100	-	555
M10 x 56 Ø16	25	150	75	30	102	-	725
M12 x 70 Ø20	25	100	90	50	122	-	820

Long loose bolt



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 60 Ø12	100	600	60	7	100	10	513
M6 x 80 Ø12	100	600	60	7	100	30	513
M8 x 90 Ø14	100	400	65	15	100	35	561
M8 x 100 Ø14	100	300	65	15	100	45	561
M10 x 70 Ø16	50	200	75	30	102	10	725
M10 x 140 Ø16	50	150	75	30	102	80	725
M12 x 90 Ø20	25	100	90	50	122	15	865
M12 x 120 Ø20	25	50	90	50	122	45	865
M12 x 140 Ø20	25	100	90	50	122	65	865

Long loose bolt with pipe



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M8 x 70 Ø14	100	200	65	7	100	15	561
M10 x 110 Ø16	50	100	75	30	102	50	725
M12 x 90 Ø20	25	100	90	50	122	15	865

Anti-spin shield anchor for heavy-duty loads

RANGE

PRODUCT	PICTURE	COAT./ MAT.	BASE MATERIALS	LOADS
Shield		Zn	   	
A2 Stainless steel shield		A2 STAINLESS STEEL	   	
Loose bolt 8.8		Zn	   	
Hook bolt		Zn	   	
Eye bolt		Zn	   	

Shield



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø12	100	1,200	60	10	100	-	41
M8 x 55 Ø14	50	600	65	20	100	-	163
M10 x 65 Ø16	50	300	75	40	100	-	237
M12 x 75 Ø20	25	150	90	65	110	-	332
M16 x 90 Ø24	10	60	105	150	140	-	424

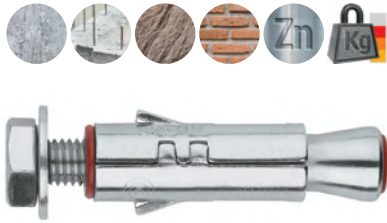
A2 Stainless steel shield



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø12	100	600	60	10	100	-	360
M8 x 55 Ø14	50	600	65	20	100	-	542
M10 x 65 Ø16	50	300	75	40	100	-	704

Anti-spin shield anchor for heavy-duty loads

Loose bolt 8.8



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø12	100	600	60	10	100	8	41
M8 x 55 Ø14	50	300	65	20	100	15	163
M10 x 65 Ø16	50	200	75	40	100	23	237
M12 x 75 Ø20	25	100	90	65	110	30	332
M16 x 90 Ø24	10	40	105	150	140	17	424

Hook bolt



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø12	100	400	60	10	100	-	41
M8 x 55 Ø14	50	300	65	20	100	-	155
M10 x 65 Ø16	50	100	75	40	100	-	237
M12 x 75 Ø20	25	75	90	65	110	-	332
M16 x 90 Ø24	10	30	105	150	140	-	424

Eye bolt



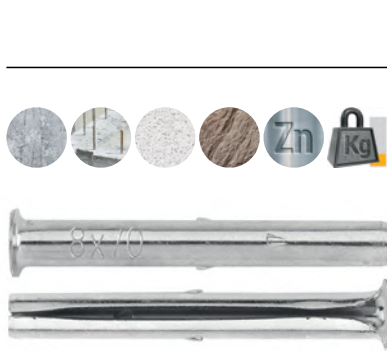
SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø12	100	400	60	10	100	-	41
M8 x 55 Ø14	50	300	65	20	100	-	163
M10 x 65 Ø16	50	200	75	40	100	-	237
M12 x 75 Ø20	25	75	90	65	110	-	332
M16 x 90 Ø24	10	30	105	150	140	-	424

Metal anchor for fixing window and door frames

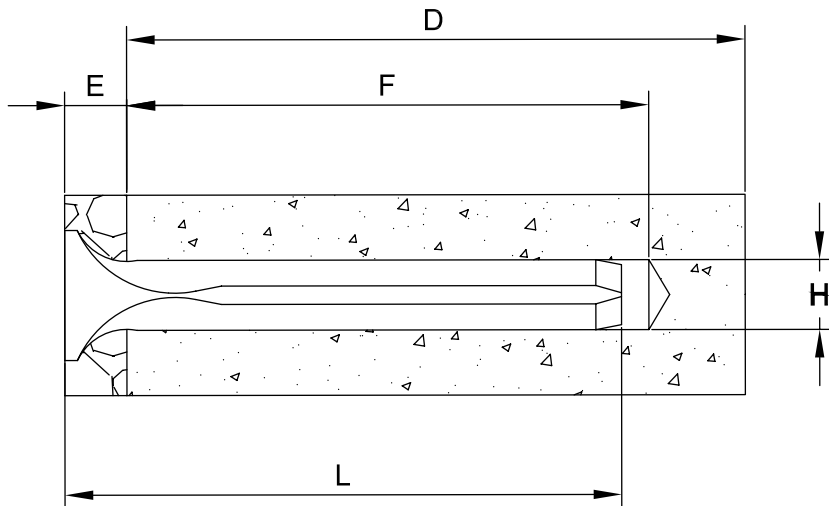


SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 72 Ø10	100	600	60	4	70	40	170
M6 x 92 Ø10	100	600	60	4	70	60	170
M6 x 112 Ø10	100	200	60	4	70	80	170
M6 x 132 Ø10	100	200	60	4	70	100	170
M6 x 152 Ø10	100	400	60	4	70	120	170
M6 x 182 Ø10	100	300	60	4	70	150	170

Express nail for batten fixings to concrete floors



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
6 x 50 Ø6	200	2,400	40	-	35	20	40
6 x 60 Ø6	200	1,200	40	-	35	30	40
6 x 80 Ø6	200	1,200	40	-	35	50	40
8 x 70 Ø8	100	1,200	50	-	45	30	50
8 x 90 Ø8	100	600	50	-	45	50	50
8 x 110 Ø8	100	600	50	-	45	70	50
8 x 130 Ø8	100	600	50	-	45	90	50
8 x 150 Ø8	100	600	50	-	45	110	50



CHARACTERISTICS

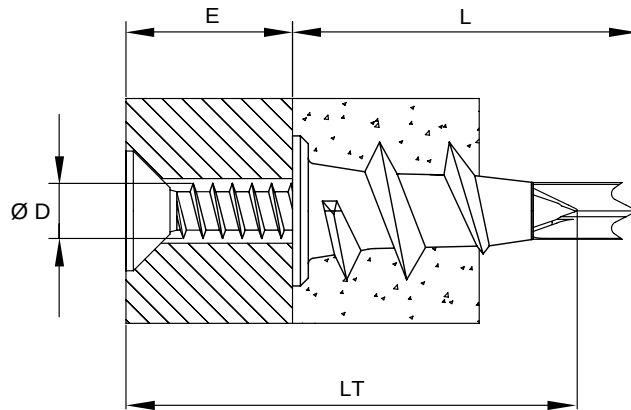
- For batten fixings to concrete floors.
- Its geometry, C shape, allows a slight movement between the express nail and the floor itself, avoiding the nail breakage
- Batten is fixed to the floor because of its spring effect, provided by heat treatment of the express nail.
- New design with 3 mounts that increases the anchor adherence.
- Zinc yellow passivated covering.
- Available in Ø6 y Ø8, with different lengths (different batten thickness).

Plugs for plasterboard

Zamak plug



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"
13 x 32	100	1,600	25



Zamak plug



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"
13 x 37	100	1,600	25

EXPERT
MANUFACTURERS

WE
CREATE,
WE
BELIEVE

We manufacture a diverse range of over 40 types of anchors and fixings, having state-of-the-art automated production processes.



Indemoll anchor for hollow elements fixing

RANGE

PRODUCT	PICTURE	COAT./ MAT.	BASE MATERIALS	LOADS
With panhead screw		Zn	  	
Without screw		Zn	  	
With hexagonal-head screw		Zn	  	
Pliers			  	
Gun			  	

With panhead screw



SIZE	UNIT BOX	UNIT MASTER BOX	MAX. FIXTURE THICKNESS "tfix"
M4 x 30 Ø 8	100	2,400	17 -hmin
M4 x 41 Ø 8	100	1,200	22 -hmin
M4 x 47 Ø 8	100	1,200	30 -hmin
M4 x 53 Ø 8	100	1,200	33 -hmin
M4 x 67 Ø 8	100	1,200	52 -hmin
M5 x 46 Ø 10	100	1,200	26 -hmin
M5 x 59 Ø 10	100	600	42 -hmin
M5 x 72 Ø 10	100	600	55 -hmin
M5 x 89 Ø 10	100	600	61 -hmin
M6 x 46 Ø 12	100	1,200	25 -hmin
M6 x 59 Ø 12	100	600	38 -hmin
M6 x 72 Ø 12	100	600	49 -hmin
M6 x 89 Ø 12	100	600	78 -hmin

Indemoll anchor for hollow elements fixing

Without screw



SIZE	UNIT BOX	UNIT MASTER BOX	MAX. FIXTURE THICKNESS "tfix"
M4 x 21 Ø 8	100	2,400	17 -hmin
M4 x 32 Ø 8	100	2,400	22 -hmin
M4 x 38 Ø 8	100	2,400	30 -hmin
M5 x 37 Ø 10	100	1,200	26 -hmin
M5 x 52 Ø 10	100	600	42 -hmin
M5 x 65 Ø 10	100	600	55 -hmin
M6 x 37 Ø 12	100	1,200	25 -hmin
M6 x 52 Ø 12	100	600	38 -hmin
M6 x 65 Ø 12	100	600	49 -hmin
M8 x 65 Ø 14	100	400	47 -hmin

With hexagonal-head screw



SIZE	UNIT BOX	UNIT MASTER BOX	MAX. FIXTURE THICKNESS "tfix"
M8 x 45 Ø 14	100	600	25 -hmin
M8 x 60 Ø 14	100	400	36 -hmin
M8 x 73 Ø 14	100	400	47 -hmin

Pliers



SIZE	UNIT BOX	MAX. FIXTURE THICKNESS "tfix"
PLIERS	1	-

Gun



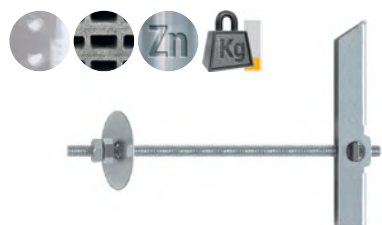
SIZE	UNIT BOX	MAX. FIXTURE THICKNESS "tfix"
GUN	1	2,400

Gravity toggle for fixing lightweight in ceilings

RANGE

PRODUCT	PICTURE	COAT./ MAT.	BASE MATERIALS	LOADS
Projecting bolt		Zn		
Hook		Zn		
Nylon		Poly Zn		
Toggle head		Zn		
Spring toggle head		Zn		
Projecting bolt		Zn		
Hook		Zn		

Projecting bolt



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	MIN. SUBSTRATE THICKNESS "tmin"	TENSION LOAD NON-CRACKED CONCRETE
M4 Ø14	50	300	70	74	10
M5 Ø14	50	300	70	72	12
M6 Ø16	50	200	75	68	13
M8 Ø20	50	200	85	60	14

Hook



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	MIN. SUBSTRATE THICKNESS "tmin"	TENSION LOAD NON-CRACKED CONCRETE
M4 Ø14	50	300	70	74	10
M5 Ø14	50	300	70	72	12
M6 Ø16	50	200	75	68	13
M8 Ø20	50	150	85	60	14

Gravity toggle for fixing lightweight in ceilings

Nylon



SIZE	UNIT BOX	UNIT MASTER BOX	MIN. SUBSTRATE THICKNESS "hmin"
M5 Ø13	25	100	10
M6 Ø13	25	100	10

Toggle head



SIZE	UNIT BOX	UNIT MASTER BOX	TENSION LOAD NON-CRACKED CONCRETE
M4 Ø14	100	1,200	10
M5 Ø14	100	1,200	12
M6 Ø16	100	600	13
M8 Ø20	100	400	14

Spring toggle head



SIZE	UNIT BOX	UNIT MASTER BOX	TENSION LOAD NON-CRACKED CONCRETE
M4 Ø12	100	2,400	10
M5 Ø15	100	1,200	12
M6 Ø18	100	600	13
M8 Ø22	100	400	14

Projecting bolt



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	MIN. SUBSTRATE THICKNESS "hmin"	TENSION LOAD NON-CRACKED CONCRETE
M4 Ø12	50	300	26	75	10
M5 Ø15	50	300	33	70	12
M6 Ø18	50	200	37	66	13
M8 Ø22	50	150	54	61	14

Hook



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	MIN. SUBSTRATE THICKNESS "hmin"	TENSION LOAD NON-CRACKED CONCRETE
M4 Ø12	50	300	26	75	10
M5 Ø15	50	300	33	70	12
M6 Ø18	50	200	37	66	13
M8 Ø22	50	150	54	61	14

Nylon plug

RANGE

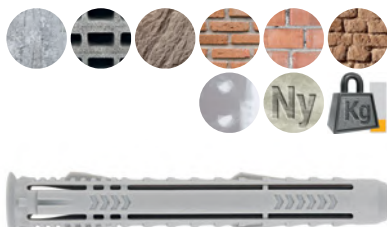
PRODUCT	PICTURE	COAT./ MAT.	ASSESSMENT	BASE MATERIALS	LOADS
Plug		Ny			
Long plug		Ny			
Plug with collar		Ny			
Universal high performance nylon plug		Ny			
Countersunk head. TX recess. Zinc-plated. ETA Assessed		Zn Ny	 		
A4 Stainless steel. Countersunk head. TX recess. ETA Assessed		A4 Ny	 		
Hexagonal head. TX recess. Zinc-plated. ETA Assessed		Zn Ny	 		
A4 Stainless steel. Hexagonal head. TX recess. ETA Assessed		A4 Ny	 		
Tamperproof Truss head. TX recess. Zinc-plated. ETA Assessed		Zn Ny	 		

Plug



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	MIN. SUBSTRATE THICKNESS "hmin"	TENSION LOAD NON-CRACKED CONCRETE
5 x 25 Ø5	100	4,200	30	35	28
6 x 30 Ø6	100	3,200	40	45	61
8 x 40 Ø8	100	1,600	50	55	170
10 x 50 Ø10	50	800	60	65	256
12 x 60 Ø12	25	400	70	75	394
14 x 70 Ø14	20	320	80	85	628

Long plug



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	MIN. SUBSTRATE THICKNESS "hmin"	TENSION LOAD NON-CRACKED CONCRETE
6 x 45 Ø6	100	1,600	55	60	60
8 x 60 Ø8	50	800	70	75	129
10 x 80 Ø10	25	400	90	95	-

Nylon Plug

Plug with collar



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	MIN. SUBSTRATE THICKNESS "hmin"	TENSION LOAD NON-CRACKED CONCRETE
6	100	2,400	40	45	61

Universal high performance nylon plug



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
8 x 60	50	800	70	100	-	141
8 x 80	50	600	90	100	-	141
8 x 100	50	600	90	100	-	141
8 x 120	50	600	90	100	-	141
10 x 60	50	600	70	100	-	202
10 x 80	50	600	90	100	-	202
10 x 100	50	600	90	100	-	202
10 x 120	50	600	90	100	-	202
10 x 140	50	300	90	100	-	202

Countersunk head. TX recess. Zinc-plated. ETA Assessed



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
8 x 60 Ø8	50	600	70	100	10	141
8 x 80 Ø8	50	600	90	100	10	141
8 x 100 Ø8	50	600	90	100	30	141
8 x 120 Ø8	50	300	90	100	50	141
10 x 60 Ø10	50	300	70	100	10	202
10 x 80 Ø10	50	300	90	100	10	202
10 x 100 Ø10	50	300	90	100	30	202
10 x 120 Ø10	50	300	90	100	50	202
10 x 140 Ø10	50	300	90	100	70	202
10 x 160 Ø10	50	200	90	100	90	202
10 x 180 Ø10	50	150	90	100	110	202
10 x 200 Ø10	50	150	90	100	130	202
10 x 230 Ø10	50	100	90	100	160	202



Nylon Plug

A4 Stainless steel. Countersunk head. TX recess. ETA Assessed



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "f"	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
8 x 80 Ø8	50	600	90	100	10	141
8 x 100 Ø8	50	600	90	100	30	141
8 x 120 Ø8	50	300	90	100	50	141
10 x 80 Ø10	50	300	90	100	10	202
10 x 100 Ø10	50	300	90	100	30	202
10 x 120 Ø10	50	300	90	100	50	202
10 x 140 Ø10	50	300	90	100	70	202

Hexagonal head. TX recess. Zinc-plated. ETA Assessed



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "f"	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
8 x 60 Ø8	50	600	70	100	10	141
8 x 80 Ø8	50	600	90	100	10	141
8 x 100 Ø8	50	300	90	100	30	141
8 x 120 Ø8	50	300	90	100	50	141
10 x 60 Ø10	50	300	70	100	10	202
10 x 80 Ø10	50	300	90	100	10	202
10 x 100 Ø10	50	300	90	100	30	202
10 x 120 Ø10	50	300	90	100	50	202
10 x 140 Ø10	50	200	90	100	70	202
10 x 160 Ø10	50	150	90	100	90	202
10 x 180 Ø10	50	150	90	100	110	202
10 x 200 Ø10	50	150	90	100	130	202
10 x 230 Ø10	50	100	90	100	160	202

Nylon Plug

A4 Stainless steel. Hexagonal head. TX recess. ETA Assessed



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "f"	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
8 x 80 Ø8	50	600	90	100	10	141
8 x 100 Ø8	50	300	90	100	30	141
10 x 80 Ø10	50	300	90	100	10	202
10 x 100 Ø10	50	300	90	100	30	202
10 x 120 Ø10	50	300	90	100	50	202
10 x 140 Ø10	50	200	90	100	70	202

Nylon Plug

**Tamperproof Truss head.
TX recess. Zinc-plated.
ETA Assessed**



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "f"	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
10 x 80 Ø10	50	300	70	100	10	202
10 x 100 Ø10	50	300	90	100	30	202
10 x 120 Ø10	50	200	90	100	50	202
10 x 140 Ø10	50	200	90	100	70	202
10 x 160 Ø10	50	200	90	100	90	202

Fixing band

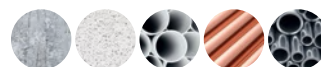
CHARACTERISTICS

- Allows quick installation and easy mounting.
- Used for light loads.
- Available in Atlantis C2-M and stainless Steel A2.

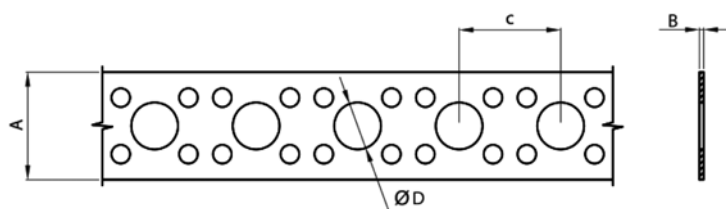
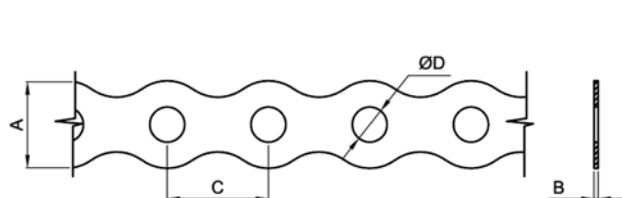
APPLICATIONS

- Suitable for pipe installations heating, ventilation or air.

BASE MATERIALS

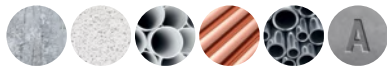


RANGE					
PRODUCT	PICTURE	SECTION	REC. / MAT.	SIZE	RECOMMENDED LOAD
Round fixing band ATLANTIS C2-M			A	12 x 0.8 x 10 m 17 x 0.8 x 10 m	51.0 kg 65.3 kg
Round fixing band. A2 Stainless steel			A2 STAINLESS STEEL	17 x 0.8 x 10 m	100 kg
Straight fixing band ATLANTIS C2-M			A	12 x 0.8 x 10 m 19 x 0.8 x 10 m	33.1 kg 55.2 kg



Fixing band

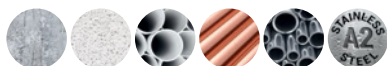
Round fixing band ATLANTIS C2-M



SIZE	UNIT BOX	UNIT MASTER BOX	TENSION LOAD NON-CRACKED CONCRETE
12 x 0,8 x 10 m	1	40	1,080
17 x 0,8 x 10 m	1	30	360



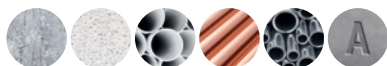
Round fixing band A2 Stainless steel



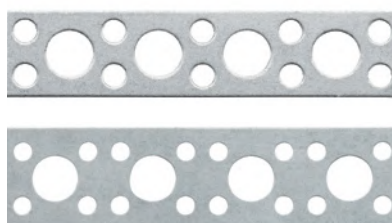
SIZE	UNIT BOX	UNIT MASTER BOX	TENSION LOAD NON-CRACKED CONCRETE
17 x 0,8 x 10 m	1	30	960



Straight fixing band ATLANTIS C2-M



SIZE	UNIT BOX	UNIT MASTER BOX	TENSION LOAD NON-CRACKED CONCRETE
12 x 0,8 x 10 m	1	40	720
19 x 0,8 x 10 m	1	30	225



Stud bolt for chemical anchor, with nut and washer

RANGE

PRODUCT	PICTURE	COAT./ MAT.	BASE MATERIALS	LOADS
Zinc-plated 8.8			      	
A2 Stainless steel			      	
A4 Stainless steel			      	
Zinc-plated			      	

Zinc-plated 8.8



SIZE	UNIT BOX	UNIT MASTER BOX	TENSION LOAD NON-CRACKED CONCRETE
M8 x 110	10	240	320
M10 x 130	10	120	263
M12 x 160	10	60	216
M16 x 190	6	24	108
M20 x 260	6	24	86
M24 x 300	6	12	352

A2 Stainless steel



SIZE	UNIT BOX	UNIT MASTER BOX	TENSION LOAD NON-CRACKED CONCRETE
M8 x 110	10	240	460
M10 x 130	10	120	427
M12 x 160	10	120	106
M16 x 190	10	40	43
M20 x 260	6	12	12
M24 x 300	6	12	13
M30 x 330	6	12	240

Stud bolt for chemical anchor, with nut and washer

A4 Stainless steel



SIZE	UNIT BOX	UNIT MASTER BOX	TENSION LOAD NON-CRACKED CONCRETE
M8 x 110	10	240	435
M10 x 130	10	120	261
M12 x 160	10	120	75
M16 x 190	10	40	37
M20 x 260	6	12	12
M24 x 300	6	12	13
M30 x 330	6	12	1,280

Zinc-plated



SIZE	UNIT BOX	UNIT MASTER BOX	TENSION LOAD NON-CRACKED CONCRETE
M8 x 110	10	240	2,340
M10 x 130	10	120	187
M10 x 190	10	40	2,340
M12 x 160	10	120	247
M12 x 220	10	30	720
M16 x 190	10	40	270
M16 x 250	10	30	216
M20 x 260	6	12	31
M20 x 350	6	-	166
M24 x 300	6	12	11
M24 x 380	6	-	12
M30 x 330	6	12	50

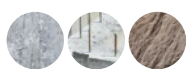
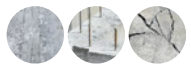
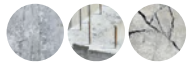
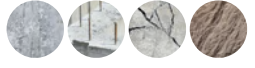
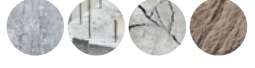
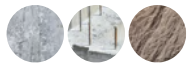
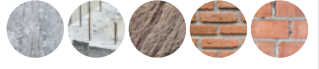


INCHES RANGE



EXPERT MANUFACTURERS
WE CREATE, WE BELIEVE

INCHES. RANGE

Inches. ICC Assessed. 304 stainless steel shaft and clip					
Inches. ICC Assessed. Zinc-plated shaft. Clip ATLANTIS C3-L					
Inches. Zinc-plated shaft. Zinc-plated clip					
Inches. ICC Assessed. Hexagon head					
Inches. ICC Assessed. Hexagon head					
Inches. ICC Assessed. Hexagon head					
Inches. Blu-con concrete screw, hi-lo thread. Flat					
Inches. Blu-con concrete screw, hi-lo thread. Hexagonal					
Inches. Blu tape concrete screw, hi-lo thread. Flat head					
Inches. Blu tape concrete screw, hi-lo thread. Hexagonal head					
Inches. Anti-spin sleeve anchor. Projecting bolt					
Inches. Drop-in anchor with internal thread.					
Inches. Manual setting tool for Drop-in anchors					
Inches. Anchor for medium-heavy loads in hollow and solid elements. Shield					
Inches. Anchor for medium-heavy loads in hollow and solid elements					
Inches. Anchor for medium-heavy loads in hollow and solid elements. Projecting bolt					

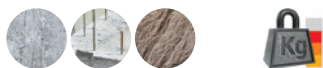
Through bolt anchor for heavy loads in cracked & uncracked concrete

Inches. ICC Assessed. 304 stainless steel shaft and clip



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
1/4" x 2-1/4"	200	-	2"	5	4"	0,19"	548	-
3/8" x 3"	100	-	2-5/8"	20	4"	0,18"	1,449	1,037
3/8" x 3-3/4"	100	-	2-5/8"	20	4"	0,93"	1,449	1,037
3/8" x 5"	50	-	2-5/8"	20	4"	2,18"	1,449	1,037
1/2" x 2-3/4"	50	-	2"	45	4"	0,25"	968	-
1/2" x 4-1/4"	50	-	2-5/8"	45	4"	1,25"	1,491	930
1/2" x 4-1/2"	50	-	4"	45	6"	0,24"	2,748	2,187
1/2" x 5-1/2"	50	-	4"	45	6"	1,24"	2,748	2,187
5/8" x 4-1/2"	25	-	3-1/2"	80	5-1/2"	0,49"	2,403	1,702
5/8" x 5"	25	-	3-1/2"	80	5-1/2"	0,99"	2,403	1,702
5/8" x 6"	25	-	4-3/4"	80	6-1/2"	0,73"	4,216	2,986
5/8" x 7"	25	-	4-3/4"	80	6-1/2"	1,73"	4,216	2,986
3/4" x 4-3/4"	20	-	4"	150	6"	0,1"	3,088	2,702
3/4" x 5-1/2"	20	-	4"	150	6"	0,85"	3,088	2,702
3/4" x 7"	20	-	5-3/4"	150	8"	0,83"	5,456	3,865
3/4" x 8-1/2"	20	-	5-3/4"	150	8"	2,33"	5,456	3,865

Inches. ICC Assessed. Zinc-plated shaft. Clip ATLANTIS C3-L



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
3/8" x 3"	100	400	2-5/8"	30	4"	0,18"	1,460	950
3/8" x 3-3/4"	100	400	2-5/8"	30	4"	0,93"	1,460	950
3/8" x 5"	50	200	2-5/8"	30	4"	2,18"	1,460	950
1/2" x 3-3/4"	50	200	2-1/4"	45	4"	0,25"	1,491	1,056
1/2" x 4-1/2"	50	200	4"	45	6"	0,24"	2,513	1,867
1/2" x 5-1/2"	50	100	4"	45	6"	1,24"	2,513	1,867
1/2" x 7"	50	100	4"	45	6"	2,74"	2,513	1,867
5/8" x 4-1/2"	25	100	3-1/2"	75	5-1/2"	0,49"	2,403	2,103
5/8" x 6"	25	50	4-3/4"	75	6-1/2"	0,73"	4,216	2,986
5/8" x 8-1/2"	25	50	4-3/4"	75	6-1/2"	3,23"	4,216	2,986
3/4" x 6-1/4"	20	40	5-3/4"	150	8"	0,08"	5,456	4,774
3/4" x 7"	20	40	5-3/4"	150	8"	0,83"	5,456	4,774
3/4" x 8-1/2"	20	40	5-3/4"	150	8"	2,33"	5,456	4,774

Through bolt anchor for heavy loads in cracked & uncracked concrete

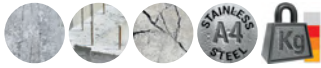
Inches.
Zinc-plated shaft.
Zinc-plated clip



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
1/4" x 1-3/4"	200	1,200	1 1/2"	5	2"	0,2"	144
1/4" x 2-1/4"	200	1,200	2"	5	4"	0,2"	263
1/4" x 3"	200	1,200	2"	5	4"	0,9"	263
1/4" x 3-1/4"	200	800	2"	5	4"	1,2"	263
5/16" x 2"	100	800	1 13/16"	14	2 1/8"	0,23"	206
5/16" x 2-3/4"	100	600	2 1/2"	14	4"	0,3"	443
5/16" x 3-1/2"	100	600	2 1/2"	14	4"	1,1"	443
5/16" x 5"	100	400	2 1/2"	14	4"	2,5"	443
3/8" x 2-1/4"	100	600	2"	27	2 1/2"	0,71"	242
3/8" x 2-3/4"	100	600	2"	27	2 1/2"	1,21"	242
3/8" x 3"	100	400	2 3/4"	27	4"	0,3"	494
3/8" x 3-1/2"	100	400	2 3/4"	27	4"	0,8"	494
3/8" x 3-3/4"	100	400	2 3/4"	27	4"	0,9"	494
3/8" x 5"	50	200	2 3/4"	27	4"	2,2"	494
1/2" x 2-3/4"	50	200	2 1/4"	54	3"	0,27"	479
1/2" x 3"	50	200	2 1/4"	54	3"	1,02"	479
1/2" x 3-1/2"	50	200	2 1/4"	54	3"	1,52"	479
1/2" x 3-3/4"	50	200	3 1/4"	54	5"	0,3"	1,019
1/2" x 4-1/4"	50	200	3 1/4"	54	5"	0,8"	1,019
1/2" x 4-1/2"	50	200	3 1/4"	54	5"	1,1"	1,019
1/2" x 5-1/2"	50	100	3 1/4"	54	5"	2,1"	1,019
1/2" x 7"	50	100	3 1/4"	54	5"	3,5"	1,019
1/2" x 10"	25	50	3 1/4"	54	5"	6,5"	1,019
5/8" x 3-1/2"	25	150	2 7/8"	108	3 1/2"	0,45"	552
5/8" x 4-1/2"	25	100	4 1/8"	108	6"	0,2"	1,234
5/8" x 5"	25	100	4 1/8"	108	6"	0,7"	1,234
5/8" x 8-1/2"	25	50	4 1/8"	108	6"	4,2"	1,234
5/8" x 6"	25	50	4 1/8"	108	6"	1,7"	1,234
5/8" x 7"	25	75	4 1/8"	108	6"	2,7"	1,234
5/8" x 10"	25	50	4 1/8"	108	6"	5,7"	1,234
3/4" x 4-1/4"	20	80	3 1/2"	149	4 1/2"	0,54"	881
3/4" x 4-3/4"	20	40	3 1/2"	149	4 1/2"	1,04"	881
3/4" x 5-1/2"	20	40	4 3/4"	149	7"	0,5"	1,712
3/4" x 6-1/4"	20	40	4 3/4"	149	7"	1,3"	1,712
3/4" x 7"	20	40	4 3/4"	149	7"	2,1"	1,712
3/4" x 8-1/2"	20	40	4 3/4"	149	7"	3,5"	1,712
3/4" x 10"	20	40	4 3/4"	149	7"	5,1"	1,712
1" x 6"	10	40	5 1/4"	250	6 1/2"	0,51"	1,497
1" x 9"	10	20	6 1/2"	250	9"	2,2"	2,463
1" x 12"	10	20	6 1/2"	250	9"	5,2"	2,463
5/16" x 2"	100	800	1 13/16"	14	2 1/8"	0,23"	206
5/16" x 2-3/4"	100	600	2 1/2"	14	4"	0,3"	443
5/16" x 3-1/2"	100	600	2 1/2"	14	4"	1,1"	443
5/16" x 5"	100	400	2 1/2"	14	4"	2,5"	443

Bimetal concrete screw anchor (stainless steel A4 body and hardened carbon steel point)

Inches.
ICC Assessed.
Hexagon head



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"
• 1/4" x 1-3/4"	100	800	-	-	-	-
• 1/4" x 2"	100	800	2-3/8"	10	3-1/4"	-
1/4" x 3"	100	600	2-3/8"	10	3-1/4"	1"
1/4" x 4"	50	600	2-3/8"	10	3-1/4"	2"
• 3/8" x 1-3/4"	50	400	-	-	-	-
• 3/8" x 2-1/2"	50	400	-	-	-	-
3/8" x 3"	50	300	3"	35	4"	1/4"
3/8" x 4"	50	200	3"	35	4"	1-1/4"
3/8" x 5"	25	150	3"	35	4"	2-1/4"
3/8" x 6"	25	150	3"	35	4"	3-1/4"
1/2" x 3"	50	200	3-3/8"	35	4-3/4"	-
1/2" x 4"	50	100	3-3/8"	35	4-3/4"	1"
1/2" x 5"	50	100	3-3/8"	35	4-3/4"	2"
1/2" x 6"	25	75	3-3/8"	35	4-3/4"	3"
1/2" x 8"	25	75	3-3/8"	35	4-3/4"	5"

• Non-assessed sizes

Concrete screw anchor

Inches.
ICC Assessed.
Hexagon head



SIZE	UNIT BOX	UNIT MASTER BOX	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
1/4" x 2-1/4"	100	800	595	272
1/4" x 3"	100	600	595	272
1/4" x 4"	75	450	595	272
3/8" x 1-3/4"	50	400	-	-
3/8" x 2-1/2"	50	400	-	-
3/8" x 3"	50	400	1,492	939
3/8" x 4"	50	200	1,492	939
3/8" x 5"	25	150	1,492	939
3/8" x 6"	25	150	1,492	939
1/2" x 2-1/2"	50	200	-	-
1/2" x 3"	50	200	-	-
1/2" x 4"	50	100	1,948	1,416
1/2" x 5"	50	100	1,948	1,416
1/2" x 6"	25	75	1,948	1,416
1/2" x 6-1/2"	25	75	1,948	1,416
1/2" x 8"	25	75	1,948	1,416
5/8" x 3"	25	100	-	-
5/8" x 4"	25	100	1,911	1,353
5/8" x 5"	25	50	1,911	1,353
5/8" x 6"	20	60	1,911	1,353
5/8" x 6-1/2"	20	60	1,911	1,353
5/8" x 8"	15	45	1,911	1,353
3/4" x 4"	15	60	-	-
3/4" x 4-1/2"	15	45	-	-
3/4" x 5"	15	45	2,698	1,911
3/4" x 5-1/2"	15	45	2,698	1,911
3/4" x 6"	15	45	2,698	1,911
3/4" x 6-1/4"	15	45	2,698	1,911
3/4" x 7"	10	30	2,698	1,911
3/4" x 8"	10	20	2,698	1,911
3/4" x 8-1/2"	10	20	2,698	1,911
3/4" x 10"	10	20	2,698	1,911

Concrete screw anchor

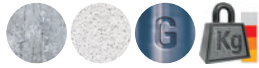
**Inches.
ICC Assessed.
Hexagon head**



SIZE	UNIT BOX	UNIT MASTER BOX	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
1/4" x 2-1/4"	100	800	595	272
1/4" x 3"	100	600	595	272
1/4" x 4"	75	450	595	272
3/8" x 2-1/2"	50	400	1,245	402
3/8" x 3"	50	300	1,492	939
3/8" x 4"	50	200	1,492	939
1/2" x 4"	50	100	1,948	1,416
1/2" x 5"	50	100	1,948	1,416
1/2" x 6"	25	75	1,948	1,416
5/8" x 5"	25	50	1,911	1,353
5/8" x 6"	20	60	1,911	1,353
3/4" x 5-1/2"	15	45	2,698	1,911
3/4" x 7"	10	30	2,698	1,911

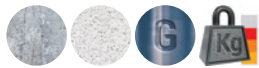
Blu-con concrete screw, hi-lo thread

Inches. Blue concrete screw. Flat



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
3/16" X 1-1/4"	100	2,400	1,4"	3 1/2"	0,1"	238
3/16" X 1-3/4"	100	-	1,85"	3 1/2"	0,5"	446
3/16" X 2-1/4"	100	-	2-1/4"	3 1/2"	0,25"	666
3/16" X 2-3/4"	100	1,600	2-1/4"	3 1/2"	0,75"	666
3/16" X 3-1/4"	100	1,600	2-1/4"	3 1/2"	1,25"	666
3/16" X 3-3/4"	100	1,600	2-1/4"	3 1/2"	1,75"	666
3/16" X 4"	100	1,200	2-1/4"	3 1/2"	2"	666
1/4" X 1-1/4"	100	-	1,4"	3 1/2"	0,1"	285
1/4" X 1-3/4"	100	-	1,85"	3 1/2"	0,15"	582
1/4" X 2-1/4"	100	-	2,35"	3 1/2"	0,15"	973
1/4" X 2-3/4"	100	-	2,35"	3 1/2"	0,65"	973
1/4" X 3-1/4"	100	-	2,35"	3 1/2"	1,15"	973
1/4" X 3-3/4"	100	1,200	2,35"	3 1/2"	1,65"	973
1/4" X 4"	100	-	2,35"	3 1/2"	1,9"	973

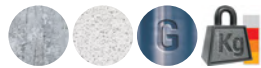
Inches. Blue concrete screw. Hexagonal



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
3/16" X 1-1/4"	100	2,400	1,4"	3 1/2"	0,1"	238
3/16" X 1-3/4"	100	-	1,85"	3 1/2"	0,5"	446
3/16" X 2-1/4"	100	-	2-1/4"	3 1/2"	0,25"	666
3/16" X 2-3/4"	100	-	2-1/4"	3 1/2"	0,75"	666
3/16" X 3-1/4"	100	1,600	2-1/4"	3 1/2"	1,25"	666
3/16" X 3-3/4"	100	1,600	2-1/4"	3 1/2"	1,75"	666
3/16" X 4"	100	1,200	2-1/4"	3 1/2"	2"	666
1/4" X 1-1/4"	100	-	1,4"	3 1/2"	0,1"	285
1/4" X 1-3/4"	100	-	1,85"	3 1/2"	0,15"	582
1/4" X 2-1/4"	100	-	2,35"	3 1/2"	0,15"	973
1/4" X 2-3/4"	100	-	2,35"	3 1/2"	0,65"	973
1/4" X 3-1/4"	100	-	2,35"	3 1/2"	1,15"	973
1/4" X 3-3/4"	100	-	2,35"	3 1/2"	1,65"	973
1/4" X 4"	100	-	2,35"	3 1/2"	1,9"	973

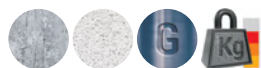
Blu tape concrete screw, hi-lo thread

Inches. Flat head



SIZE	UNIT BOX	UNIT MASTER BOX
1/4" x 1-1/4"	100	1,200
1/4" x 1-3/4"	100	1,200
1/4" x 2-1/4"	100	1,200
1/4" x 2-3/4"	100	1,200
3/16" x 1-1/4"	100	2,400
3/16" x 1-3/4"	100	1,200
3/16" x 2-1/4"	100	1,200

Inches. Hexagonal head



SIZE	UNIT BOX	UNIT MASTER BOX
1/4" x 1-1/4"	100	1,200
1/4" x 1-3/4"	100	1,200
1/4" x 2-1/4"	100	1,200
1/4" x 2-3/4"	100	1,200
1/4" x 3-1/4"	100	600
3/16" x 1-1/4"	100	2,400
3/16" x 1-3/4"	100	1,200
3/16" x 2-1/4"	100	1,200

Anti-spin sleeve anchor

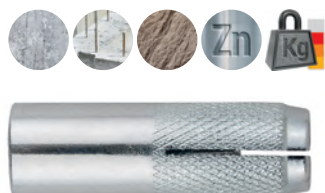
Inches. Projecting bolt



SIZE	UNIT BOX	UNIT MASTER BOX
1/4" x 2-1/2" Ø3/8"	150	900
5/16" x 3" Ø3/8"	100	600
3/8" x 3" Ø1/2"	50	300
1/2" x 3-1/2" Ø5/8"	25	150

Drop-in anchor with internal thread

Inches. Zinc-plated



SIZE	UNIT BOX	UNIT MASTER BOX
1/4"	100	2,000
3/8"	50	1,000
1/2"	50	500

Manual setting tool for Drop-in anchors

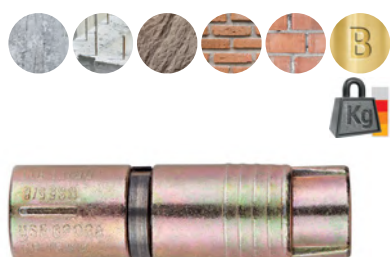
Inches



SIZE	UNIT BOX	UNIT MASTER BOX
1/4"	1	70
5/16"	1	100
3/8"	1	40
1/2"	1	25
5/8"	1	25

Anchor for medium-heavy loads in hollow and solid elements

Inches. Shield



SIZE	UNIT BOX	UNIT MASTER BOX
3/16"	150	1,800
1/4"	100	1,200
5/16"	50	600
3/8"	50	600
1/2"	20	240

Anchor for medium-heavy loads in hollow and solid elements

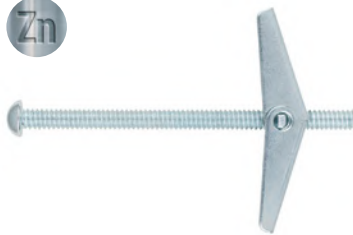
Inches



SIZE	UNIT BOX	UNIT MASTER BOX
1/4" x 1"	200	2,400
1/4" x 1-1/4"	150	1,800
1/4" x 1-1/2"	150	1,800
1/4" x 2"	100	1,200

Anchor for medium-heavy loads in hollow and solid elements

Inches. Projecting bolt



SIZE	UNIT BOX	UNIT MASTER BOX
1/8" X 3"	100	2,000
3/16" X 3"	100	1,200
1/4" X 3"	100	800

LONDEX COATINGS

ZINC-PLATED: is a zinc coating of 5 micron thickness, applied by an electrochemical system. The zinc protects the base material (steel) acting as a barrier against external oxidizing agents (oxygen), in addition to being the material sacrificed. Its metallic colours depend on the passivate applied – matt, shiny or bluish. It is an economical coating, suitable for protecting elements in dry interior atmospheres.

ZINC PLATED YELLOW PASIVATED: is zinc coating on which a chromium based passivate has been applied. Its colour ranges from light yellow to iridescent. Its protection against corrosion is more than twice that of zinc coatings with a similar cost. It may be applied with chrome III or chrome VI. Chrome VI passivates are not authorized in Europe. It is recommended for use in interior environments.

HOT DIP GALVANISED: is applied by immersion of the products in a molten zinc bath, which remains adhered to the surface of the product. It is metallic matt in colour, with typical thicknesses between 40 and 100 microns. The use of this coating is not advised for smaller sizes (M6 to M10) or for expansion anchors. Good resistance to corrosion. It is recommended for use in exterior environments, with a limited life-span.

SENDZIMIR GALVANIZED: is galvanized by continuous immersion of the steel strip in a molten zinc bath. Its characteristics are similar to those of hot dip galvanized products, but it offers a finish with less thickness but more uniform; therefore it is less resistant to corrosion. Typical thicknesses are between 10 and 40 microns. It is applied to strips for the later manufacture of components. It is recommended for use in exterior environments, with a limited life-span.

ATLANTIS: is a finish which is applied to a previously zinc-plated surface, on which an organic layer of around 15 microns in thickness is applied. It is recommended for use in exterior environments, with a limited life-span.

A2 STAINLESS STEEL: is steel with chromium (18%) and nickel (10%) alloy. The surface layer rusts in the presence of oxygen, protecting the nucleus of the base material. This material is suitable for use in exteriors in environments where there is no great aggressiveness (rural or urban environments with low contamination).

A4 STAINLESS STEEL: is a stainless steel to which molybdenum (2%) is added, in addition to chromium and nickel, which increases its resistance to corrosion against saline environments. Suitable for use in exteriors in urban or industrial environments with high levels of contamination, or in marine environments (seafronts, ports, etc.). It must be protected from high chlorine content (indoor swimming pools, etc.).



Notes

Notes

Notes



NINGBO LONDEX INDUSTRIAL, CO. L.T.D.

First Seashore Road// Hangzhou Bay New Zone
Cixi City / Zhejiang Province / CHINA - 315336

T. (86) 574 63079222

F. (86) 574 63079228

E. londex@ningbolondex.com