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GENERAL CATALOGUE



EXPERT MANUFACTURERS
WE CREATE, WE BELIEVE

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EXPERT FIXING MANUFACTURERS



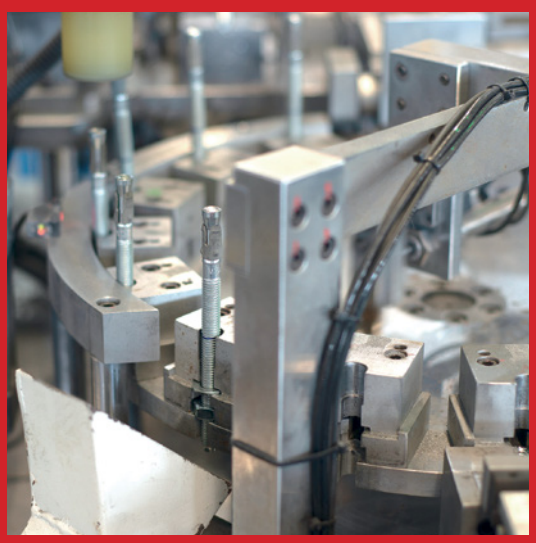
THE BEST ANCHOR MANUFACTURER IN ASIA

+20
years of experience
with pride

+90
service
countries

+22,000
m^2 factory

+200









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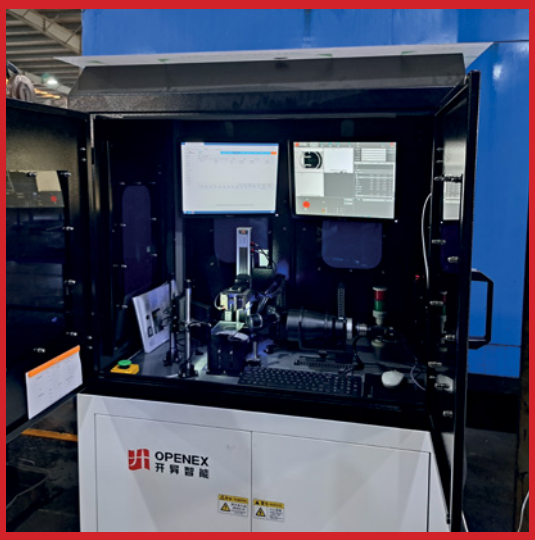
At **Ningbo Londex Industrial Co., Ltd.**, we stand out as a global leader in the manufacture of anchors & fastener distributors and service center for wire & strip in the world.

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









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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.



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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:

ETA · ICC ES · SEISMIC · FIRE RESISTANCE · CE · MIAMI-DADE COUNTY APPROVED · FM APPROVED · UL · VdS CEA 4001 compliant

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.

EXPERT FIXING MANUFACTURERS **CHINA & VIETNAM**

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

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.).



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EXPERT FIXING MANUFACTURERS

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SERVICES

100% INTEGRATED PRODUCTION



TRUSTED QUALITY



FLEXIBLE PRODUCTION



CUSTOM PACKAGING & LABELLING



INDEX

Through bolt anchor for heavy loads in cracked & uncracked concrete — 17

	Opt.1 ETA Assessed. Zinc-plated shaft. Stainless steel clip		18
	Opt.1 ETA Assessed. A4 Stainless steel shaft. A4 Stainless steel clip		19
NEW	Opt.1 ETA Assessed. ATLANTIS C4-M shaft. Stainless steel clip		20
	Opt.1 ETA Assessed. ATLANTIS C3-L shaft. Stainless steel clip		21
	Opt.1 ETA Assessed. Zinc-plated shaft. ATLANTIS C3-L clip		22
	Opt.7 ETA Assessed. Zinc-plated shaft. Zinc-plated clip		23
	Opt.7 ETA Assessed. A4 Stainless steel shaft. A4 Stainless steel clip		25
NEW	Opt.7 ETA Assessed. ATLANTIS C4-M shaft. ATLANTIS C4-M clip		26
	Opt.7 ETA Assessed. A2 Stainless steel shaft. A2 Stainless steel clip		27
	Zinc-plated shaft. Zinc-plated clip		28
	Setting toll for through bolt anchor range		29
NEW	Accesories for through bolt anchor for heavy loads		29
	Tie wire anchor		29

Nail anchor for non-structural applications in concrete. ETA approved — 31

	Nail head. Zinc-plated shaft. ATLANTIS C3-L clip		31
	Projecting bolt. Zinc-plated shaft. ATLANTIS C3-L clip		31
	Hanger female. Zinc-plated shaft. ATLANTIS C3-L clip		32
	Hook bolt. Zinc-plated shaft. ATLANTIS C3-L clip		32
	Eye bolt. Zinc-plated shaft. ATLANTIS C3-L clip		32

Concrete screw anchor — 34

	Opt.1 ETA Assessed. Hexagon head		35 NEW
	Opt.1 ETA Assessed. Countersunk head		35 NEW
	Opt.1 ETA Assessed. Pan head		35 NEW
	Opt.1 ETA Assessed. Truss head		36 NEW
	Opt.1 ETA Assessed. Hanger female		36 NEW
	Opt.1 ETA Assessed. Hexagon head		36
	Opt.1 ETA Assessed. Countersunk head		37
	Opt.1 ETA Assessed. Pan head		38
	Opt.1 ETA Assessed. Truss head		39
	Opt.1 ETA Assessed. Hexagon head		39
	Opt.1 ETA Assessed. Countersunk head		41 NEW
	Opt.1 ETA Assessed. Pan head		41 NEW
	Opt.1 ETA Assessed. Truss head		42 NEW
	Opt.1 ETA Assessed. Hexagon head without nut		42
	Opt.1 ETA Assessed. Stud bolt		42

INDEX

NEW	Eye bolt head			43
NEW	Setting tool for eye bolt head			43
NEW	Opt.1 ETA Assessed. Hanger female			43
	Opt.1 ETA Assessed. Hanger male			43
NEW	Short version. Truss head			44
NEW	Short version. Pan head			44
NEW	Short version. Hanger male			44

Screw for direct fixing — 45

	Screw			45
	Screw with vulcanized EPDM-steel washer			45
NEW	Flat head, TX recess. Yellow zinc-plated			46
NEW	Flat head, TX recess. Zinc-plated			46
NEW	Cylindrical head TX			46

Heavy duty anchor for high perfomance in concrete — 47

	Opt.1 ETA Assessed. Hexagonal head			47
	Opt.1 ETA Assessed. Countersunk head			48
NEW	Opt.1 ETA Assessed. Projecting bolt			48

Anti-spin sleeve anchor for medium loads — 49

Opt.7 ETA Assessed. Hexagonal head screw 6.8.			50
Opt.7 ETA Assessed. A2 Stainless steel			50
Opt.7 ETA Assessed. Hexagonal head screw 8.8.			51
Hexagonal head screw 8.8 for reduced thicknesses			51
Opt.7 ETA Assessed. Flat head screw			51
Opt.7 ETA Assessed. A2 Stainless steel flat head screw			52
Opt.7 ETA Assessed. Zinc-plated tamperproof head			52
Opt.7 ETA Assessed. Black zinc- plated tamperproof head			52
Projecting bolt			53
Hook bolt			53
Hook spiral			53
Forged hook bolt			53
A2 Stainless steel forged hook bolt			54
Eye bolt			54
Forged eye bolt			54
A2 Stainless steel forged eye bolt			54

INDEX

Drop in anchor — 55

Zinc-plated. Opt.7 ETA Assessed & for non-structural applications			56
A4 Stainless steel. ETA Assessed for non-structural applications			56
With collar. Zinc-plated. Opt.7 ETA Assessed & for non-structural applications			56
NEW With collar. A4 Stainless steel. ETA Assessed for non-structural applications			57
NEW Short. Zinc-plated. ETA Assessed for non-structural applications			57
Zinc-plated			57
NEW ATLANTIS C3-L			57
NEW Stop drill bit for drop-in anchor with internal thread for heavy loads			58
NEW Stop drill bit for drop-in anchor with internal thread for heavy loads. Short			58
Manual setting tool for Drop-in anchors			58
Manual setting tool for Drop-in anchors			58
Brass expansion anchor for light fastenings in solid materials			59
Steel expansion plug			60
Ceiling wedge anchor ETA assessed			60

Winged steel anchor for heavy-duty fixings — 61

Shield			61
A4 Stainless steel shield			62
Loose bolt 6.8			62
Projecting bolt			62
Hook bolt			62
Eye bolt			62

Zamak anchor for medium-heavy loads in hollow and solid elements — 63

Shield			63
Loose bolt			64
Projecting bolt			64
Hook bolt			64
Forged hook bolt			64
Eye bolt			65
Forged eye bolt			65
Long loose bolt			65
Long loose bolt with pipe			65

INDEX

Anti-spin shield anchor for heavy-duty loads 66

Shield		66
A2 Stainless steel shield		66
Loose bolt 8.8		67
Hook bolt		67
Eye bolt		67
Metal anchor for fixing window and door frames		68
Express nail for batten fixings to concrete floors		68

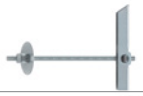
Plugs for plasterboard 69

Metal wall anchor		69
Metal wall anchor		69
Nylon plug		69

Indemoll anchor for hollow elements fixing 70

With panhead screw		70
Without screw		71
With hexagonal-head screw		71
Pliers / Gun		71

Gravity toggle for fixing lightweight in ceilings 72

Projecting bolt		72
Hook		72
Nylon		73
Toggle head		73
G toggle head		73
Projecting bolt		73
Hook		73

Nylon plugs 74

Plug			74
Long plug			74
Plug with collar			75
Universal high performance nylon plug			75
Countersunk head. TX recess. Zinc-plated. ETA Assessed		ETA	75
A4 Stainless steel. Countersunk head. TX recess. ETA Assessed		ETA	76
Hexagonal head. TX recess. Zinc-plated. ETA Assessed		ETA	76
A4 Stainless steel. Hexagonal head. TX recess. ETA Assessed		ETA	76
Tamperproof Truss head. TX recess. Zinc-plated. ETA Assessed		ETA	77

INDEX

Fixing band			77
Round fixing band ATLANTIS C2-M			78
Round fixing band. A2 Stainless steel			78
Straight fixing band ATLANTIS C2-M			78

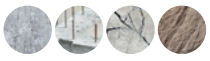
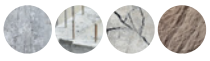
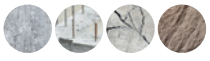
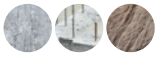
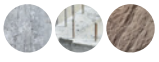
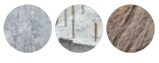
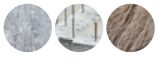
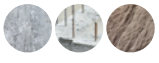
Stud bolt for chemical anchor, with nut and washer			79
Zinc-plated 8.8			79
A2 Stainless steel			79
A4 Stainless steel			80
Zinc-plated			80

INCHES			83
Inches. ICC Assessed. 304 stainless steel shaft and clip			84
Inches. ICC Assessed. Zinc-plated shaft. Clip ATLANTIS C3-L			85
Inches. Zinc-plated shaft. Zinc-plated clip			86
Inches. ICC Assessed. Hexagon head			87
Inches. Atlantis coating. ICC Assessed. Hexagon head			88
Inches. Zinc-plated coating. ICC Assessed. Hexagon head			89
Inches. Blu-con concrete screw, hi-lo thread. ICC Assessed. Flat head.			90
Inches. Blu-con concrete screw, hi-lo thread. ICC Assessed. Hexagonal head.			90
Inches. Blu tape concrete screw, hi-lo thread. Non-ICC Assessed. Flat head.			91
Inches. Blu tape concrete screw, hi-lo thread. Non-ICC Assessed. Hexagonal head.			91
Inches. Anti-spin sleeve anchor. Projecting bolt			92
Inches. Drop-in anchor with internal thread.			92
Inches. Manual setting tool for Drop-in anchors			92
Inches. Anchor for medium-heavy loads in hollow and solid elements. Shield.			93
Inches. Anchor for medium-heavy loads in hollow and solid elements.			93
Inches. Anchor for medium-heavy loads in hollow and solid elements. Gravity toogle.			93

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		ETA, FIRE RESISTANCE, SEISMIC C1, SEISMIC C2 & C1, VdS CEA 4001 compliant, CE 12	Zn		
Opt.1 ETA Assessed. A4 Stainless steel shaft. A4 Stainless steel clip		ETA, FIRE RESISTANCE, SEISMIC C2 & C1, VdS CEA 4001 compliant, CE 21	A4 STEEL		
NEW **Opt.1 ETA Assessed. ATLANTIS C4-M shaft. Stainless steel clip**		ETA, FIRE RESISTANCE, SEISMIC C1, SEISMIC C2 & C1, VdS CEA 4001 compliant, CE 12	A		
Opt.1 ETA Assessed. ATLANTIS C3-L shaft. Stainless steel clip		ETA, FIRE RESISTANCE, SEISMIC C1, SEISMIC C2 & C1, VdS CEA 4001 compliant, CE 12	A		
Opt.1 ETA Assessed. Zinc-plated shaft. ATLANTIS C3-L clip		ETA, FIRE RESISTANCE, SEISMIC C1, SEISMIC C2 & C1, VdS CEA 4001 compliant, CE 12	Zn		
Opt.7 ETA Assessed. Zinc-plated shaft. Zinc-plated clip		ETA, FIRE RESISTANCE, CE 05	Zn		
Opt.7 ETA Assessed. A4 Stainless steel shaft. A4 Stainless steel clip		ETA, FIRE RESISTANCE, CE 05	A4 STEEL		
NEW **Opt.7 ETA Assessed. ATLANTIS C4-M shaft. ATLANTIS C4-M clip**		ETA, CE 05	A		
Opt.7 ETA Assessed. A2 Stainless steel shaft. A2 Stainless steel clip		ETA, FIRE RESISTANCE, CE 05	A2 STEEL		
Zinc-plated shaft. Zinc-plated clip			Zn		

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







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
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







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

More range previous page

• 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





ETA STRUCTURAL FIXINGS IN UNCRACKED CONCRETE

CE 05

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

Accesories 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

Accesories 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

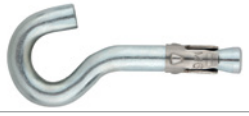




SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	AXIS LETTER
6 x 60 Ø6	100	2,400	55	-	100	-	142	-	-

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		ETA NON STRUCTURAL FIXINGS CE 24	Zn		Kg
Projecting bolt. Zinc-plated shaft. ATLANTIS C3-L clip		ETA NON STRUCTURAL FIXINGS CE 24	Zn		Kg
Hanger female. Zinc-plated shaft. ATLANTIS C3-L clip		ETA NON STRUCTURAL FIXINGS CE 24	Zn		Kg
Hook bolt. Zinc-plated shaft. ATLANTIS C3-L clip		ETA NON STRUCTURAL FIXINGS CE 24	Zn		Kg
Eye bolt. Zinc-plated shaft. ATLANTIS C3-L clip		ETA NON STRUCTURAL FIXINGS CE 24	Zn		Kg

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





ETA NON STRUCTURAL FIXINGS CE 24

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





ETA NON STRUCTURAL FIXINGS CE 24

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

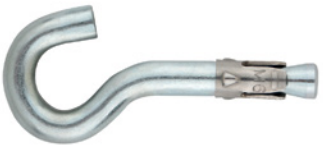




SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø6 x 58 (M8+M10)	50	800	40	-	80	-	243	243
Ø6 x 63 (M8+M10)	50	800	40	-	80	-	243	243

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

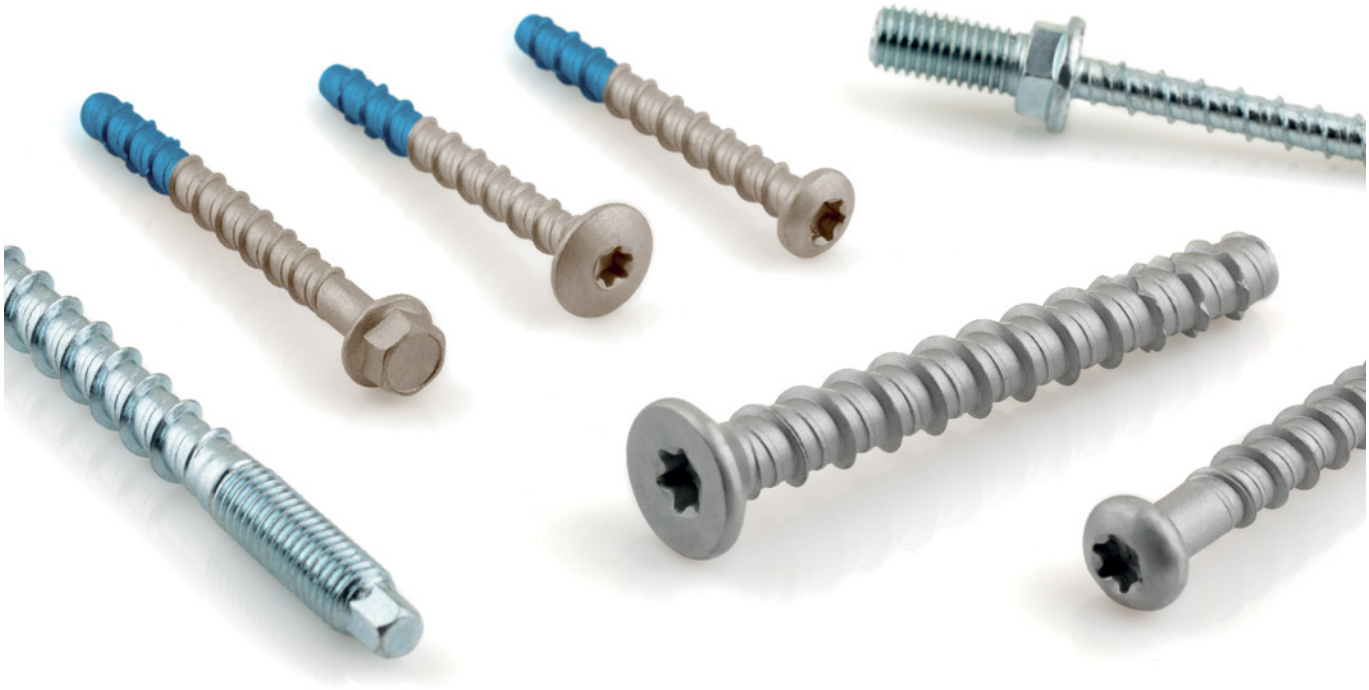
Eye bolt. Zinc-plated shaft. ATLANTIS C3-L clip



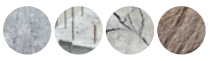
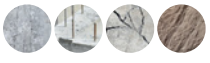
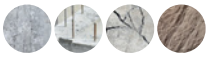
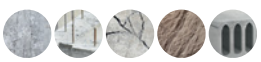
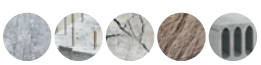
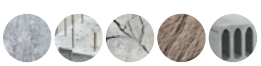
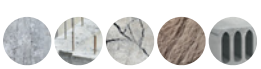


SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø6 x 55	100	1,200	40	-	80	-	73	73

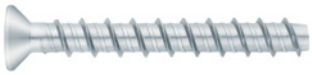
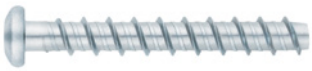
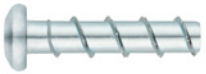
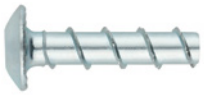
Concrete screw anchor



RANGE

	PRODUCT	PICTURE	ASSESSMENT	COAT./ MAT.	BASE MATERIALS	LOADS
NEW	**Opt.1 ETA Assessed. Hexagon head**		ETA, FIRE RESISTANCE, SEISMIC C1, CE 23	A4 STEEL		
NEW	**Opt.1 ETA Assessed. Countersunk head**		ETA, FIRE RESISTANCE, SEISMIC C1, CE 23	A4 STEEL		
NEW	**Opt.1 ETA Assessed. Pan head**		ETA, FIRE RESISTANCE, SEISMIC C1, CE 23	A4 STEEL		
NEW	**Opt.1 ETA Assessed. Truss head**		ETA, FIRE RESISTANCE, SEISMIC C1, CE 23	A4 STEEL		
NEW	**Opt.1 ETA Assessed. Hanger female**		ETA, FIRE RESISTANCE, SEISMIC C1, CE 23	A4 STEEL		
	Opt.1 ETA Assessed. Hexagon head		ETA, ETA, FIRE RESISTANCE, SEISMIC C2 & C1, CE 20	A		
	Opt.1 ETA Assessed. Countersunk head		ETA, ETA, FIRE RESISTANCE, SEISMIC C2 & C1, CE 20	A		
	Opt.1 ETA Assessed. Pan head		ETA, ETA, FIRE RESISTANCE, SEISMIC C2 & C1, CE 20	A		
	Opt.1 ETA Assessed. Truss head		ETA, ETA, FIRE RESISTANCE, SEISMIC C1, CE 20	A		

RANGE

	PRODUCT	PICTURE	ASSESSMENT	COAT./ MAT.	BASE MATERIALS	LOADS
	Opt.1 ETA Assessed. Hexagon head		ETA, ETA, FIRE RESISTANCE, SEISMIC C2 & C1, CE 20	Zn		Kg
NEW	**Opt.1 ETA Assessed. Countersunk head**		ETA, ETA, FIRE RESISTANCE, SEISMIC C2 & C1, CE 20	Zn		Kg
NEW	**Opt.1 ETA Assessed. Pan head**		ETA, ETA, FIRE RESISTANCE, SEISMIC C1, CE 20	Zn		Kg
NEW	**Opt.1 ETA Assessed. Truss head**		ETA, ETA, FIRE RESISTANCE, SEISMIC C1, CE 20	Zn		Kg
	Opt.1 ETA Assessed. Hexagon head without nut		ETA, ETA, FIRE RESISTANCE, SEISMIC C1, CE 20	Zn		Kg
	Opt.1 ETA Assessed. Stud bolt		ETA, ETA, FIRE RESISTANCE, SEISMIC C2 & C1, CE 20	Zn		Kg
NEW	**Eye bolt head**			Zn		Kg
NEW	**Setting tool for eye bolt head**					
NEW	**Opt.1 ETA Assessed. Hanger female**		ETA, ETA, FIRE RESISTANCE, CE 20	Zn		Kg
	Opt.1 ETA Assessed. Hanger male		ETA, ETA, FIRE RESISTANCE, CE 20	Zn		Kg
NEW	**Short version. Truss head**		ETA, FIRE RESISTANCE	Zn		Kg
NEW	**Short version. Pan head**		ETA, FIRE RESISTANCE	Zn		Kg
NEW	**Short version. Hanger male**		ETA, FIRE RESISTANCE	Zn		Kg

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

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
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



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



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

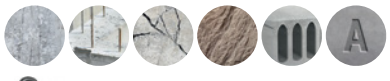
Opt.1 ETA Assessed. Pan head



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









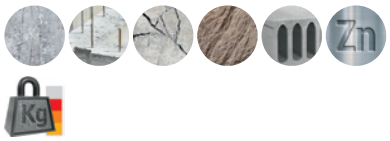


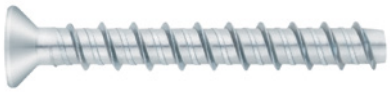
SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø10 x 70	50	200	65	30	100	15	638	447
Ø10 x 80	50	300	85	30	120	25	638	447
Ø10 x 90	25	300	95	30	135	5	1,310	917
Ø10 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

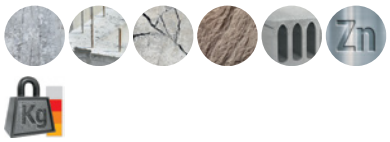


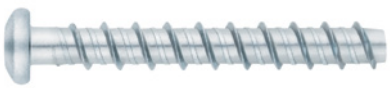




SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø5 x 40	100	2,400	45	8	80	5	326	228
Ø5 x 60	100	1,200	55	8	80	15	494	346
Ø5 x 80	50	800	55	8	80	35	494	346
Ø5 x 100	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



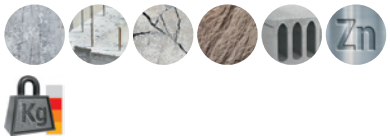


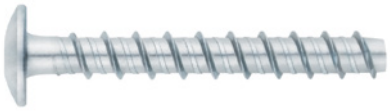


SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø5 x 40	100	2,400	45	8	80	5	326	228
Ø5 x 60	100	1,200	55	8	80	15	494	346
Ø6 x 40	100	1,200	45	10	100	5	202	185
Ø6 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





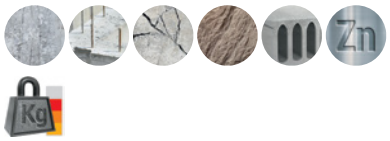


CE 20

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



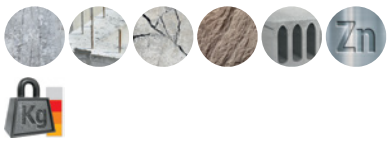




CE 20

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









CE 20

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



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

Special installation setting tool available

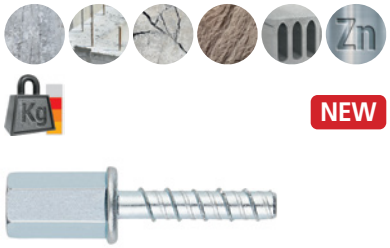
Setting tool for eye bolt head



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



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
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

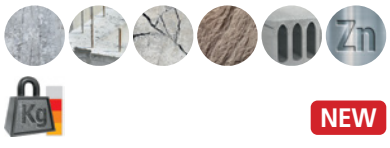
Opt.1 ETA Assessed. Hanger male

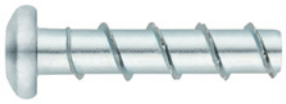


SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø6 x 35 (M8)	100	400	45	10	100	-	202	185
Ø6 x 55 (M10)	100	600	65	10	100	-	673	471

Concrete screw anchor with zinc plated coating

Short version. Truss head

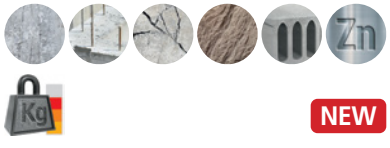


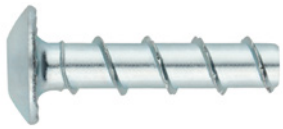




SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø6 x 28	100	2,400	30	10	80	-	80	80

Short version. Pan head

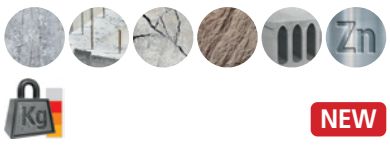


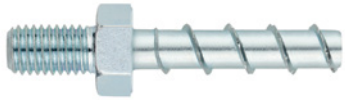




SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
Ø6 x 28	100	2,400	30	10	80	_	80	80

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



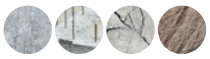
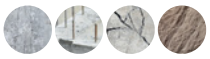
NEW



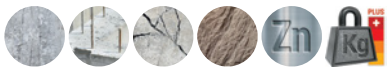
SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
7,5 x 72 Ø6	100	1,200	45	15	100	32	100
7,5 x 92 Ø6	100	1,200	45	15	100	52	100
7,5 x 112 Ø6	100	800	45	15	100	72	100
7,5 x 132 Ø6	100	600	45	15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

Heavy duty anchor for high perfomance in concrete

RANGE

PRODUCT	PICTURE	ASSESSMENT	COAT./ MAT.	BASE MATERIALS	LOADS
Opt.1 ETA Assessed. Hexagonal head		ETA · FIRE RESISTANCE · SEISMIC C2 & C1 · VdS CEA 4001 · CE 18	Zn		Kg
Opt.1 ETA Assessed. Countersunk head		ETA · FIRE RESISTANCE · SEISMIC C2 & C1 · VdS CEA 4001 · CE 18	Zn		Kg
NEW **Opt.1 ETA Assessed. Projecting bolt**		ETA · FIRE RESISTANCE · SEISMIC C2 & C1 · VdS CEA 4001 · CE 18	Zn		Kg

Opt.1 ETA Assessed. Hexagonal head





ETA · FIRE RESISTANCE · SEISMIC C2 & C1 · VdS CEA 4001

CE 18

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
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 perfomance 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

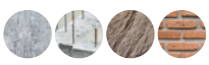
SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE
M8 x 95 Ø12	50	200	85	30	120	20	971	777
M8 x 155 Ø12	25	100	85	30	120	80	971	777
M10 x 125 Ø16	25	100	95	50	140	40	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.		ETA CE 18	Zn	**Projecting bolt**			Zn
Opt.7 ETA Assessed. A2 Stainless steel		ETA CE 18	A2	**Hook bolt**			Zn
Opt.7 ETA Assessed. Hexagonal head screw 8.8.		ETA CE 18	Zn	**Hook spiral**			Zn
Hexagonal head screw 8.8 for reduced thicknesses			Zn	**Forged hook bolt**			Zn
Opt.7 ETA Assessed. Flat head screw		ETA CE 18	Zn	**A2 Stainless steel forged hook bolt**			A2
Opt.7 ETA Assessed. A2 Stainless steel flat head screw		ETA CE 18	A2	**Eye bolt**			Zn
Opt.7 ETA Assessed. Zinc-plated tamperproof head		ETA CE 18	Zn	**Forged eye bolt**			Zn
Opt.7 ETA Assessed. Black zinc- plated tamperproof head		ETA CE 18	Zn	**A2 Stainless steel forged eye bolt**			A2

BASE MATERIALS	LOADS
	

Anti-spin sleeve anchor for medium loads

Opt.7 ETA Assessed. Hexagonal head screw 6.8.





ETA STRUCTURAL FIXINGS IN UNCRACKED CONCRETE CE 18

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





ETA STRUCTURAL FIXINGS IN UNCRACKED CONCRETE CE 18

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



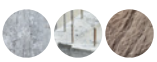
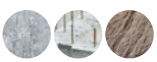
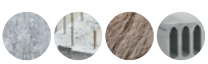
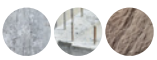
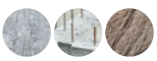
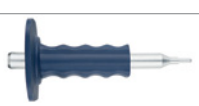
APPLICATIONS

- 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		ETA, ETA, FIRE RESISTANCE, FM APPROVED, CE 14	Zn		
A4 Stainless steel. ETA Assessed for non-structural applications		ETA, FIRE RESISTANCE, CE 20	A4 STEEL		
With collar. Zinc-plated. Opt.7 ETA Assessed & for non-structural applications		ETA, ETA, FIRE RESISTANCE, FM APPROVED, CE 14	Zn		
NEW **With collar. A4 Stainless steel. ETA Assessed for non-structural applications**		ETA, FIRE RESISTANCE, CE 20	A4 STEEL		
NEW **Short. Zinc-plated. ETA Assessed for non-structural applications**		ETA, FIRE RESISTANCE, CE 20	Zn		
Zinc-plated			Zn		
NEW **ATLANTIS C3-L**			A		
NEW **Stop drill bit**			STEEL		
Manual setting tool for Drop-in anchors			Zn		

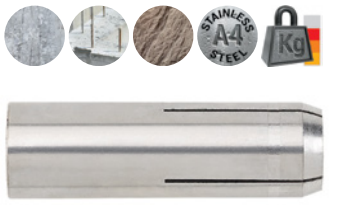
Drop-in anchor with internal thread for heavy loads

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





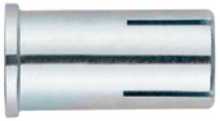


NEW

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
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



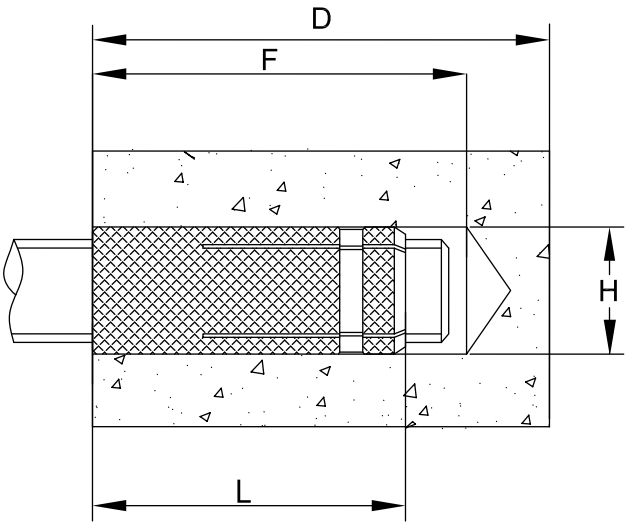
SIZE	UNIT BOX	UNIT MASTER BOX
M8 (HE-HC)	1	10
M10 (HE-HC)	1	10
M12 (HE-HC)	1	10

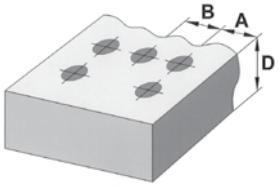
Brass expansion anchor for light fastenings in solid materials





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

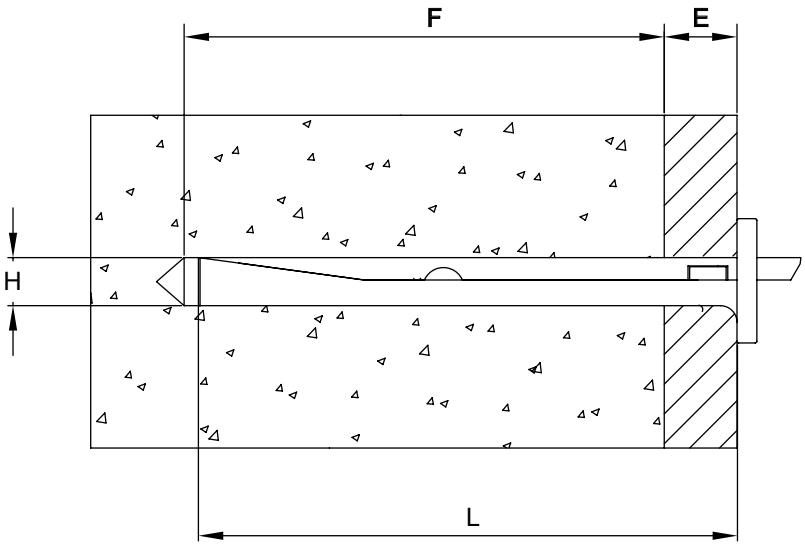




SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
6 x 40 Ø6	100	1200	40	80	5	120
6 x 70 Ø6	100	1200	40	80	35	120

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.
Shield		Zn
A4 Stainless steel shield		A4 STEEL
Loose bolt 6.8		Zn

PRODUCT	PICTURE	COAT./ MAT.
Projecting bolt		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 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

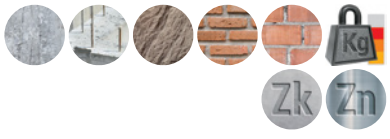


RANGE

PRODUCT	PICTURE	COAT./ MAT.
Shield		Zk Zn
Loose bolt		Zk Zn
Projecting bolt		Zk Zn
Hook bolt		Zk Zn
Forged hook bolt		Zk Zn

PRODUCT	PICTURE	COAT./ MAT.
Eye bolt		Zk Zn
Forged eye bolt		Zk Zn
Long loose bolt		Zk Zn
Long loose bolt with pipe		Zk Zn

Shield

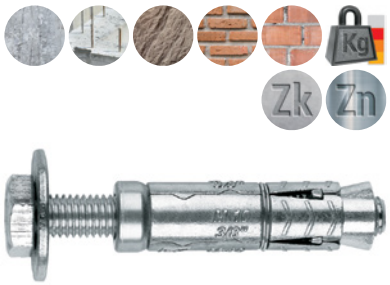




SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 48 Ø12	100	1,200	60	7	100	-	513
M8 x 50 Ø14	100	600	65	15	100	-	561
M10 x 58 Ø16	50	300	75	30	102	-	725
M12 x 72 Ø20	25	300	90	50	122	-	865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

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

Loose bolt



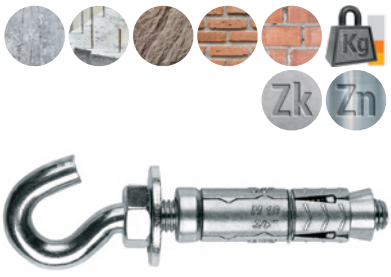
SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 50 Ø12	100	600	60	7	100	1	513
M8 x 60 Ø14	100	400	65	15	100	10	561
M10 x 80 Ø16	50	200	75	30	102	20	725
M12 x 100 Ø20	25	100	90	50	122	25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

Projecting bolt



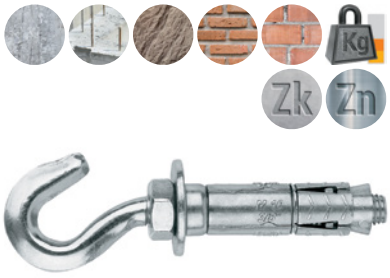
SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 60 Ø12	100	600	60	7	100	1	415
M8 x 70 Ø14	100	400	65	15	100	10	561
M10 x 100 Ø16	50	200	75	30	102	30	725
M12 x 120 Ø20	25	100	90	50	122	30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

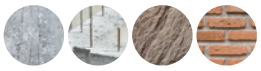
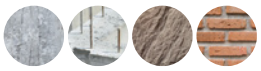
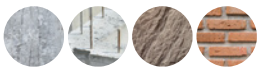
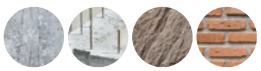
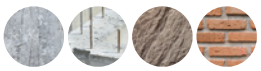
Long loose bolt with pipe



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

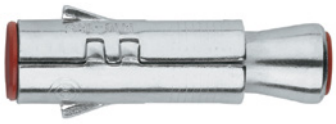
Anti-spin shield anchor for heavy-duty loads

RANGE

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

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

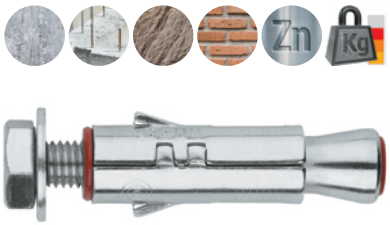




SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø12	100	600	60	10	100	-	360
M8 x 55 Ø14	50	600	65	20	100	-	542
M10 x 65 Ø16	50	300	75	40	100	-	704

Anti-spin shield anchor for heavy-duty loads

Loose bolt 8.8



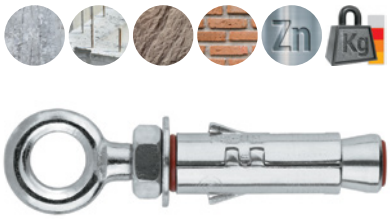
SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø12	100	600	60	10	100	8	41
M8 x 55 Ø14	50	300	65	20	100	15	163
M10 x 65 Ø16	50	200	75	40	100	23	237
M12 x 75 Ø20	25	100	90	65	110	30	332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



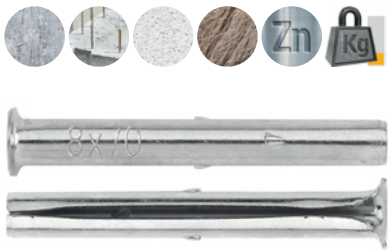
SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 45 Ø12	100	400	60	10	100	-	41
M8 x 55 Ø14	50	300	65	20	100	-	163
M10 x 65 Ø16	50	200	75	40	100	-	237
M12 x 75 Ø20	25	75	90	65	110	-	332
M16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

Metal anchor for fixing window and door frames

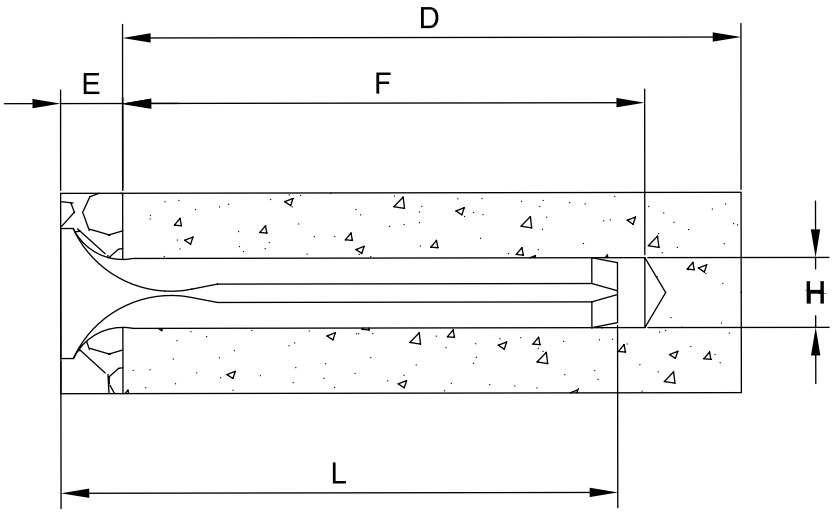


SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
M6 x 72 Ø10	100	600	60	4	70	40	170
M6 x 92 Ø10	100	600	60	4	70	60	170
M6 x 112 Ø10	100	200	60	4	70	80	170
M6 x 132 Ø10	100	200	60	4	70	100	170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

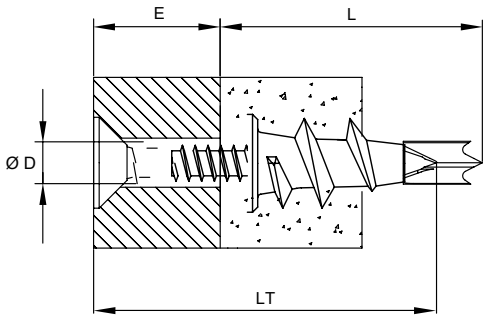
- For batten fixings to concrete floors.
- Its geometry, C shape, allows a slight movement between the express nail and the floor itself, avoiding the nail breakage
- Batten is fixed to the floor because of its spring effect, provided by heat treatment of the express nail.
- New design with 3 mounts that increases the anchor adherence.
- Zinc yellow passivated covering.
- Available in ø6 y ø8, with different lengths (different batten thickness).

Wall Anchor

Wall metal anchor



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



Wall metal anchor



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

Nylon plug



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"
15 x 33	100	1,600	40

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		Kg
Without screw		Zn		Kg
With hexagonal-head screw		Zn		Kg
Pliers				
Gun				

With panhead screw

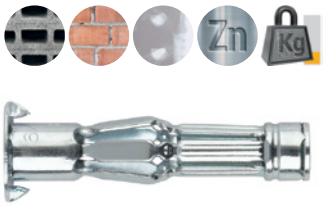




SIZE	UNIT BOX	UNIT MASTER BOX	MAX. FIXTURE THICKNESS "tfix"
M4 x 30 Ø 8	100	2,400	17 -hmin
M4 x 41 Ø 8	100	1,200	22 -hmin
M4 x 47 Ø 8	100	1,200	30 -hmin
M4 x 53 Ø 8	100	1,200	33 -hmin
M4 x 67 Ø 8	100	1,200	52 -hmin
M5 x 46 Ø 10	100	1,200	26 -hmin
M5 x 59 Ø 10	100	600	42 -hmin
M5 x 72 Ø 10	100	600	55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

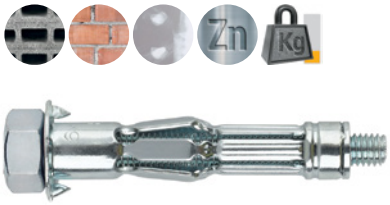
Indemoll anchor for hollow elements fixing

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

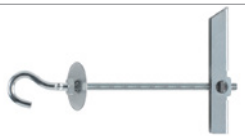
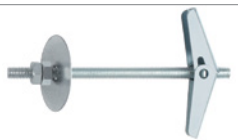




SIZE	UNIT BOX	MAX. FIXTURE THICKNESS "tfix"
GUN	1	2,400

Gravity toggle for fixing lightweight in ceilings

RANGE

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

Projecting bolt



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	MIN. SUBSTRATE THICKNESS "hmin"	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

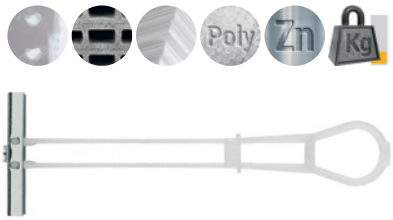
Hook



SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	MIN. SUBSTRATE THICKNESS "hmin"	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



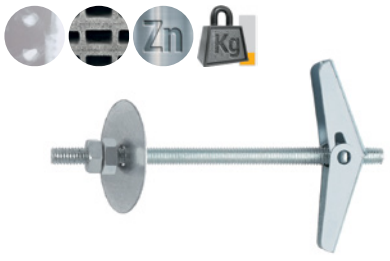
SIZE	UNIT BOX	UNIT MASTER BOX	TENSION LOAD NON-CRACKED CONCRETE
M4 Ø14	100	1,200	10
M5 Ø14	100	1,200	12
M6 Ø16	100	600	13
M8 Ø20	100	400	14

Gravity 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



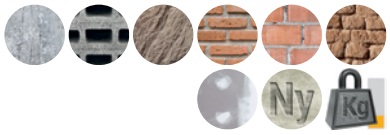
SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	MIN. SUBSTRATE THICKNESS "hmin"	TENSION LOAD NON-CRACKED CONCRETE
M4 Ø12	50	300	26	75	10
M5 Ø15	50	300	33	70	12
M6 Ø18	50	200	37	66	13
M8 Ø22	50	150	54	61	14

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	ETA FIRE RESISTANCE		
A4 Stainless steel. Countersunk head. TX recess. ETA Assessed		A4 Ny	ETA FIRE RESISTANCE		
Hexagonal head. TX recess. Zinc-plated. ETA Assessed		Zn Ny	ETA FIRE RESISTANCE		
A4 Stainless steel. Hexagonal head. TX recess. ETA Assessed		A4 Ny	ETA FIRE RESISTANCE		
Tamperproof Truss head. TX recess. Zinc-plated. ETA Assessed		Zn Ny	ETA FIRE RESISTANCE		

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

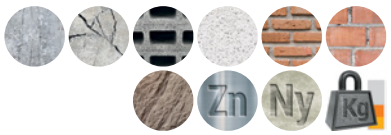
A4 Stainless steel. Countersunk head. TX recess. ETA Assessed





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

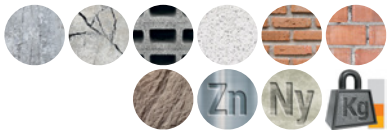




SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
8 x 80 Ø8	50	600	90	100	10	141
8 x 100 Ø8	50	300	90	100	30	141
10 x 80 Ø10	50	300	90	100	10	202
10 x 100 Ø10	50	300	90	100	30	202
10 x 120 Ø10	50	300	90	100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

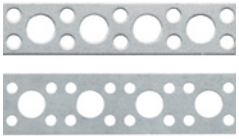
CHARACTERISTICS
- Allows quick installation and easy mounting.
- Used for light loads.
- Available in Atlantis C2-M and stainless Steel A2.

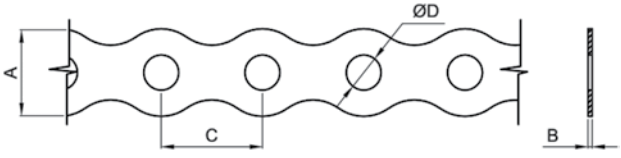
APPLICATIONS
- Suitable for pipe installations heating, ventilation or air.

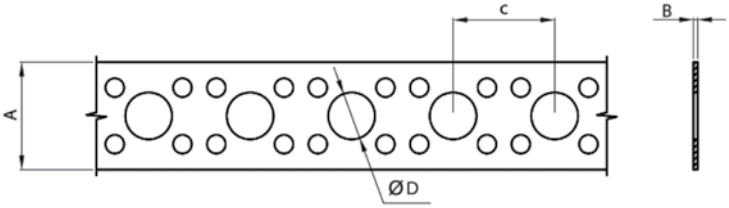
BASE MATERIALS



RANGE

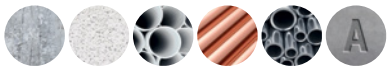
PRODUCT	PICTURE	SECTION	REC. / MAT.	SIZE	RECOMMENDED LOAD
Round fixing band ATLANTIS C2-M			A	12 x 0.8 x 10 m 17 x 0.8 x 10 m	51.0 kg 65.3 kg
Round fixing band. A2 Stainless steel			STAINLESS STEEL A2	17 x 0.8 x 10 m	100 kg
Straight fixing band ATLANTIS C2-M			A	12 x 0.8 x 10 m 19 x 0.8 x 10 m	33.1 kg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





Fixing band

Round fixing band ATLANTIS C2-M

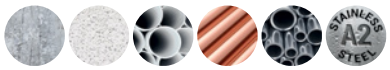


SIZE	UNIT BOX	UNIT MASTER BOX	TENSION LOAD NON-CRACKED CONCRETE
12 x 0,8 x 10 m	1	40	1,080
17 x 0,8 x 10 m	1	30	360





Round fixing band A2 Stainless steel

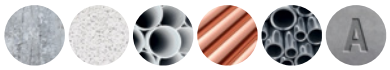


SIZE	UNIT BOX	UNIT MASTER BOX	TENSION LOAD NON-CRACKED CONCRETE
17 x 0,8 x 10 m	1	30	960



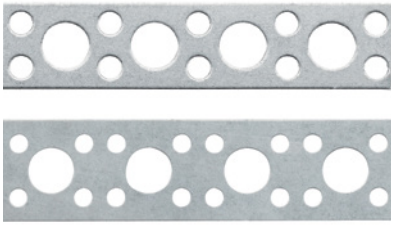


Straight fixing band ATLANTIS C2-M



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

LONDEX
Lontana group

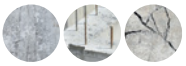
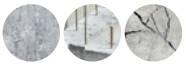
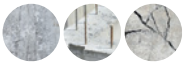
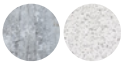
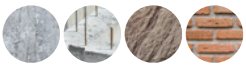
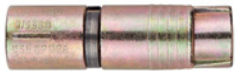
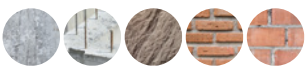
TECLON
Lontana group

INCHES RANGE



EXPERT MANUFACTURERS
WE CREATE, WE BELIEVE

INCHES. RANGE

Inches. ICC Assessed. 304 stainless steel shaft and clip		SEISMIC · ICC ES ESR-4200 ELC-4200	STAINLESS A2 STEEL		Kg
Inches. ICC Assessed. Zinc-plated shaft. Clip ATLANTIS C3-L		SEISMIC · UL · ICC ES · FM APPROVED	Zn		Kg
Inches. Zinc-plated shaft. Zinc-plated clip			Zn		Kg
Inches. ICC Assessed. Hexagon head		SEISMIC · ICC ES ESR-4314	STAINLESS A4 STEEL		Kg
Inches. Atlantis coating. ICC Assessed. Hexagon head		SEISMIC · ICC ES ESR-4314 ESR-5216 · MIAMI-DADE COUNTY APPROVED	Zn		Kg
Inches. Zinc-plated coating. ICC Assessed. Hexagon head		SEISMIC · ICC ES ESR-4314 ESR-5216 · MIAMI-DADE COUNTY APPROVED	A		Kg
Inches. Blu-con concrete screw, hi-lo thread. ICC Assessed. Flat head.		ICC ES ESR-5090 · MIAMI-DADE COUNTY APPROVED	G		Kg
Inches. Blu-con concrete screw, hi-lo thread. ICC Assessed. Hexagonal head.		ICC ES ESR-5090 · MIAMI-DADE COUNTY APPROVED	G		Kg
Inches. Blu tape concrete screw, hi-lo thread. Non-ICC Assessed. Flat head.			G		Kg
Inches. Blu tape concrete screw, hi-lo thread. Non-ICC Assessed. Hexagonal head.			G		Kg
Inches. Anti-spin sleeve anchor. Projecting bolt			B		Kg
Inches. Drop-in anchor with internal thread.			Zn		Kg
Inches. Manual setting tool for Drop-in anchors			Zn		
Inches. Anchor for medium-heavy loads in hollow and solid elements. Shield.			B		Kg
Inches. Anchor for medium-heavy loads in hollow and solid elements.			Zn		
Inches. Anchor for medium-heavy loads in hollow and solid elements. Gravity toogle.			Zn		

Through bolt anchor for heavy loads in cracked & uncracked concrete

Inches. ICC Assessed. 304 stainless steel shaft and clip







AVAILABLE IN SS-316

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 1-3/4"	200	1200	1-1/2"	5	4"	0,15	298	-
1/4" x 2-1/4"	200	1200	2"	5	4"	0,19	548	-
1/4" x 3-1/4"	200	800	2"	5	4"	1,19	548	-
• 3/8" x 2-1/4"	100	600	1-7/8"	20	4"	0,18	716	-
• 3/8" x 2-3/4"	100	600	2-3/8"	20	4"	0,18	1,186	-
3/8" x 3"	100	400	2-5/8"	20	4"	0,18	1,449	1037
3/8" x 3-3/4"	100	400	2-5/8"	20	4"	0,93	1,449	1037
3/8" x 5"	50	200	2-5/8"	20	4"	2,18	1,449	1037
1/2" x 3-3/4"	50	200	2-5/8"	45	4"	0,27	1,491	930
• 1/2" x 2-3/4"	50	200	2"	45	4"	0,25	968	-
1/2" x 4-1/4"	50	200	2-5/8"	45	4"	1,25	1,491	930
1/2" x 4-1/2"	50	200	4"	45	6"	0,24	2,748	2187
1/2" x 5-1/2"	50	100	4"	45	6"	1,24	2,748	2187
1/2" x 7"	50	100	4"	45	6"	2,74	2,748	2187
• 5/8" x 3-1/2"	25	150	2-3/4"	80	5-1/2"	0,24	1,491	-
5/8" x 4-1/2"	25	100	3-1/2"	80	5-1/2"	0,49	2,403	1702
5/8" x 5"	25	100	3-1/2"	80	5-1/2"	0,99	2,403	1702
5/8" x 6"	25	50	4-3/4"	80	6-1/2"	0,73	4,216	2986
5/8" x 7"	25	75	4-3/4"	80	6-1/2"	1,73	4,216	2986
5/8" x 8-1/2"	25	50	4-3/4"	80	6-1/2"	3,22	4,216	2986
• 3/4" x 4-1/4"	20	40	3-1/2"	150	6"	0,03	2,403	-
• 3/4" x 4-3/4"	20	40	4"	150	6"	0,1	3,088	2702
3/4" x 5-1/2"	20	40	4"	150	6"	0,85	3,088	2702
3/4" x 6-1/4"	20	40	4"	150	6"	1,60	5,456	3865
3/4" x 7"	20	40	5-3/4"	150	8"	0,83	5,456	3865
3/4" x 8-1/2"	20	40	5-3/4"	150	8"	2,33	5,456	3865
3/4" x 10"	20	40	5-3/4"	150	8"	3,83	5,456	3865

• Non-assessed sizes

Through bolt anchor for heavy loads in cracked & uncracked concrete

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
• 1/4" x 1-3/4"	200	1200	1-1/2"	5	4"	0,15	377	-
1/4" x 2-1/4"	200	1200	2"	5	4"	0,20	692	-
1/4" x 3"	200	1200	2"	5	4"	0,95	692	-
1/4" x 3-1/4"	200	800	2"	5	4"	1,20	692	-
• 3/8" x 2-1/4"	100	600	1-7/8"	30	4"	0,18	722	-
• 3/8" x 2-3/4"	100	600	2-3/8"	30	4"	0,18	1195	-
3/8" x 3"	100	400	2-5/8"	30	4"	0,18	1460	950
3/8" x 3-1/2"	100	400	2-5/8"	30	4"	0,83	1460	950
3/8" x 3-3/4"	100	400	2-5/8"	30	4"	0,93	1460	950
3/8" x 4"	100	400	2-5/8"	30	4"	1,33	1460	950
3/8" x 4-1/2"	50	200	2-5/8"	30	4"	1,83	1460	950
3/8" x 5"	50	200	2-5/8"	30	4"	2,18	1460	950
3/8" x 7"	50	200	2-5/8"	30	4"	4,33	1460	950
• 1/2" x 2-3/4"	50	200	2-3/8"	45	4"	0,18	968	-
1/2" x 3-1/2"	50	200	2-5/8"	45	4"	0,93	1491	1056
1/2" x 3-3/4"	50	200	2-5/8"	45	4"	0,25	1491	1056
1/2" x 4-1/2"	50	200	4"	45	6"	0,24	2513	1867
1/2" x 4-1/4"	50	200	4"	45	6"	0,77	2513	1867
1/2" x 5"	50	200	4"	45	6"	0,76	2513	1867
1/2" x 5-1/2"	50	100	4"	45	6"	1,24	2513	1867
1/2" x 7"	50	100	4"	45	6"	2,74	2513	1867
1/2" x 8-1/2"	50	100	4"	45	6"	4,26	2513	1867
• 1/2" x 10"	25	50	4"	45	6"	5.76	2513	1867
• 5/8" x 3-1/2"	25	150	2-3/4"	75	5-1/2"	0,24	1491	-
5/8" x 4-1/2"	25	100	3-1/2"	75	5-1/2"	0,49	2403	2103
5/8" x 4-3/4"	25	100	3-1/2"	75	5-1/2"	0,73	2403	2103
5/8" x 5"	25	100	3-1/2"	75	5-1/2"	0,98	2403	2103
5/8" x 6"	25	50	4-3/4"	75	6-1/2"	0,73	4216	2986
5/8" x 7"	25	75	4-3/4"	75	6-1/2"	1,73	4216	2986
5/8" x 8-1/2"	25	50	4-3/4"	75	6-1/2"	3,23	4216	2986
5/8" x 10"	25	50	4-3/4"	75	6-1/2"	4,73	4216	2986
• 3/4" x 4-3/4"	20	40	3-3/4"	150	6"	0,03	3088	-
3/4" x 5-1/2"	20	40	4"	150	6"	0,59	3474	2702
3/4" x 6-1/4"	20	40	5-3/4"	150	8"	0,08	5456	4774
3/4" x 7"	20	40	5-3/4"	150	8"	0,83	5456	4774
3/4" x 8-1/2"	20	40	5-3/4"	150	8"	2,33	5456	4774
3/4" x 10"	20	40	5-3/4"	150	8"	3,83	5456	4774

• Non-assessed sizes

Through bolt anchor f

Inches.
Zinc-plated shaft.
Zinc-plated clip

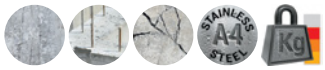




SIZE	UNIT BOX	UNIT MASTER BOX	HOLE DEPTH MIN. "F"	TORQUE (NM)	MIN. SUBSTRATE THICKNESS "hmin"	MAX. FIXTURE THICKNESS "tfix"	TENSION LOAD NON-CRACKED CONCRETE
1/4" x 1-3/4"	200	1,200	1 1/2"	5	2"	0,2"	144
1/4" x 2-1/4"	200	1,200	2"	5	4"	0,2"	263
1/4" x 3"	200	1,200	2"	5	4"	0,9"	263
1/4" x 3-1/4"	200	800	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.
Hexagonal head







NEW

AVAILABLE IN FLAT AND PAN 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.
ATLANTIS coating
ICC Assessed.
Hexagonal head





ESR-4314
ESR-5216

MIAMI-DADE COUNTY APPROVED

Available in Flat, Truss and Pan Head with Hexalobular Recess and Security Pin Recess







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

• Non-assessed sizes

Concrete screw anchor

Inches.
Zinc-plated coating
ICC Assessed.
Hexagonal head





SEISMIC

ICC ES ESR-4314 ESR-5216

MIAMI-DADE COUNTY APPROVED

Available in Flat, Truss, Eye-bolt and Pan Head with Hexalobular Recess and Security Pin Recess.









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	-	-	-
• 3/8" x 2-1/2"	50	400	1245	402
• 3/8" x 3"	50	400	1492	939
3/8" x 4"	50	200	1492	939
3/8" x 5"	25	-	1492	939
3/8" x 6"	25	-	1492	939
• 1/2" x 2-1/2"	50		-	-
• 1/2" x 3"	50	-	-	-
1/2" x 3-1/4"	50	200	-	-
1/2" x 4"	50	100	1948	1416
1/2" x 5"	50	100	1948	1416
1/2" x 6"	25	75	1948	1416
1/2" x 6-1/2"	25	-	1948	1416
1/2" x 8"	25	-	1948	1416
• 5/8" x 3"	25	-	-	-
5/8" x 4"	25	-	1911	1353
5/8" x 4-1/2"	25	100	1911	1353
5/8" x 5"	25	50	1911	1353
5/8" x 6"	20	60	1911	1353
5/8" x 6-1/2"	20	-	1911	1353
5/8" x 8"	15	-	1911	1353
• 3/4 x 4"	15	-	-	-
3/4 x 4-1/2"	15	-	2698	1911
3/4 x 5"	15	-	2698	1911
3/4" x 5-1/2"	15	45	2698	1911
3/4 x 6"	15	-	2698	1911
3/4 x 6-1/4"	15	-	2698	1911
3/4 x 7"	10	30	2698	1911
3/4 x 8"	10	-	2698	1911
3/4 x 8-1/2"	10	-	2698	1911
3/4 x 10"	10	-	2698	1911

• Non-assessed sizes

Blu-con concrete screw, hi-lo thread. ICC Assessed

Inches.
Blue concrete screw.
ICC Assessed.
Flat head.





ESR-5090

AVAILABLE IN OTHER COLORS.

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.
ICC Assessed.
Hexagonal head.





ESR-5090

AVAILABLE IN OTHER COLORS.

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. Non ICC-Assessed

Inches.
Blue concrete screw.
Non ICC Assessed.
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

AVAILABLE IN OTHER COLORS.

Inches.
Blue concrete screw.
Non ICC Assessed.
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

AVAILABLE IN OTHER COLORS.

Anti-spin sleeve anchor

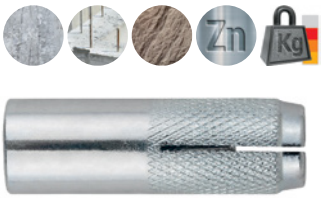
Inches.
Projecting bolt



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
5/16"	200	1,000
3/8"	50	1000
1/2"	50	500
5/8"	25	200

Manual setting tool for Drop-in anchors

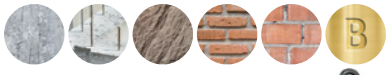
Inches

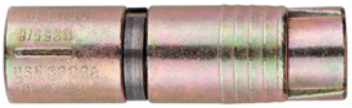


SIZE	UNIT BOX	UNIT MASTER BOX
1/4"	1	70
5/16"	1	100
3/8"	1	40
1/2"	1	25
5/8"	1	25

Anchor for medium-heavy loads in hollow and solid elements

Inches.
Yellow zinc-plated.
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

Zamak Nail plug for medium-heavy loads in hollow and solid elements

Inches.
Zinc-plated.





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.
Gravity toogle



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

Notes

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LONDEX
Lontana group

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