INDO CONSTRUCTION FASTENING SYSTEMS

A Brand of Indo Spark Group Since 1978



Anchor Fasteners

Suitable for fastening in concrete

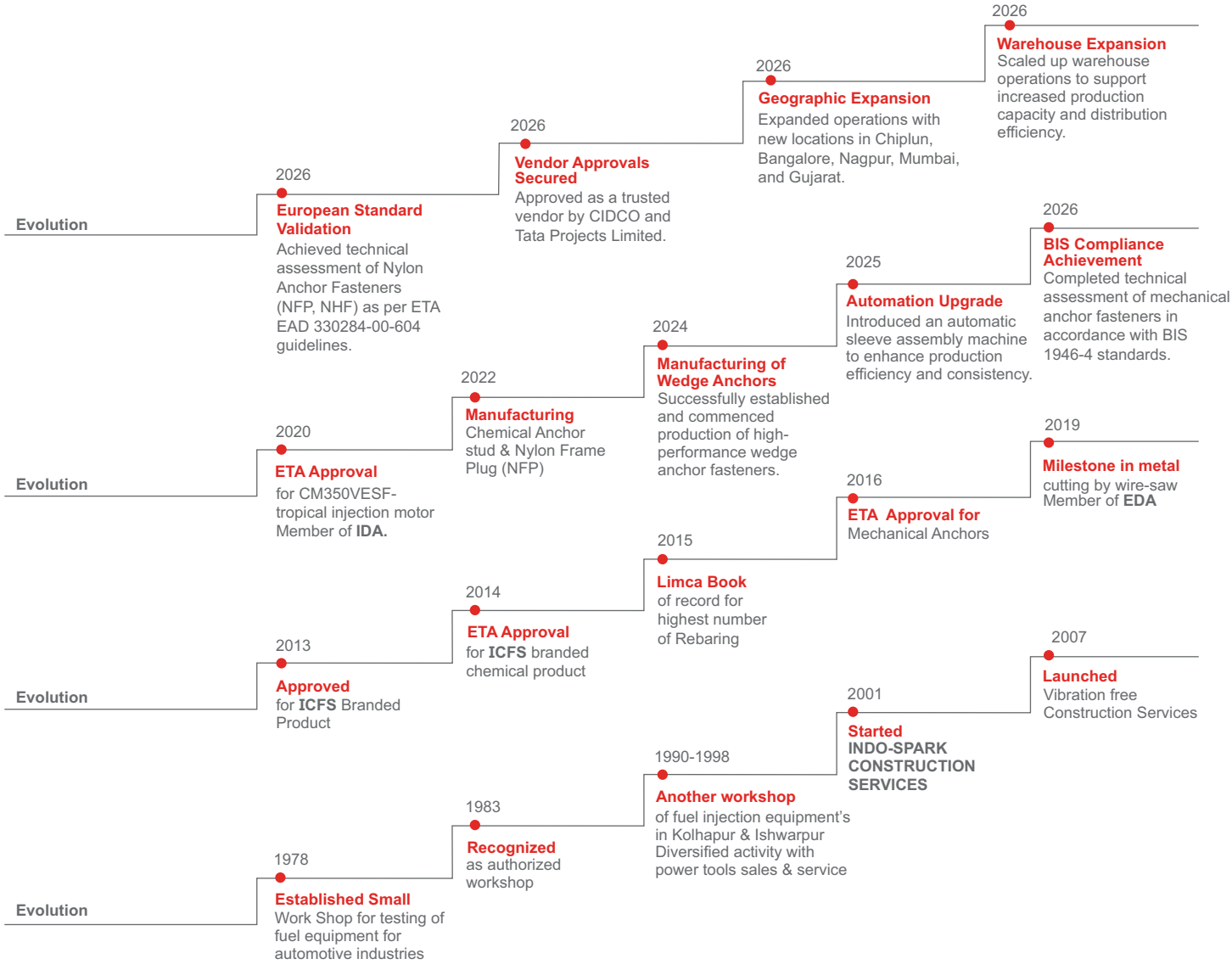
THE EVOLUTION OF US

A Journey of Growth. A Legacy of Trust

ICFS

INDO CONSTRUCTION FASTENING SYSTEMS

A brand of Indo Spark Group Since 1978

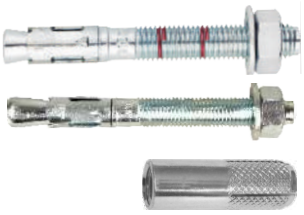
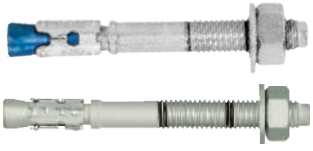


Indo Construction Fastening System

Indo Construction Fastening Systems (ICFS) is a 45+ years company, having expertise and operations in the following three

- ICFS Anchor Fastening Systems
- Construction Services
- ICFS Anchor Designer

We have chemical and mechanical anchors usable for installing furniture, xtures & structures at site. Based on the design load parameters, we even suggest correct type of chemical, diameter of anchor bolts, embedment depth and chemical consumption per hole.

Sr. No.	PRODUCT TYPE	PAGE NO.	PRODUCT IMAGE	APPROVAL
1	CHEMICAL MORTAR	4-8		ETA 100 YEARS
2	CHEMICAL ANCHOR STUD (CAS) 5.8/8.8 GRADE & SS304 - SS316	9-11		
3	MECHANICAL ANCHORS ▪ IWA ▪ TBA ▪ DIA	13-17		ETA 50 YEARS
4	MECHANICAL ANCHORS ▪ IPBZ (A4) ▪ IPBZ DP	18-19		ETA 50 YEARS
5	▪ NYLON FRAME PLUG (NFP) ▪ NYLON HAMMER FIXING PLUG (NHF) ▪ HEX HEAD SCREW (HHS) ▪ NYLON FD PLUG (FD)	20-22		Technical Assessment of Nylon Anchors According to ETA EAD 330284-00-0604
6	PU FOAM	23-24		
7	ACCESSORIES	25-26		

Chemical Mortar Product Description

Chemical mortar - CM360P AGNI / CM360P KESARI



Description

Polyester CM360P AGNI / CM360P KESARI is a high performance general purpose two-component chemical anchoring system that has been formulated for anchoring in a wide variety of building material to match your installation environment. Furthermore, the resin is available in grey colour. All features combined make polyester anchoring resin a versatile and cost effective anchoring system.

Product Code	Cartidges	Size(ml)	Color
CM360P AGNI	side-by-side	360ml	Grey
CM360P KESARI	side-by-side	360ml	Grey

Features

- Suitable for medium loads for non-critical applications
- Fast working times for early loading in time sensitive applications.
- Use in outdoor environments and fixing holes.
- Extremely versatile in masonry, hollow, aerated concrete.
- Crack and gap filling repairs in concrete vertical or horizontal.
- 10:1 resin available in variety of cartridges types

Application

- Masonry Supports
- Machinery
- Canopies
- Handrails
- Ventilated Facades
- Bicycle Racks

Chemical Mortar Product Description

Chemical mortar - CM350VESF



Description

CM350VESF is a multi-purpose bonded anchoring system with improved performance. It is suitable for use in dry, wet and flooded holes. Formulated free of styrene, CM350VESF has a very low odour and is ideal for use in confined spaces and indoors.

CM350VESF bonded anchoring system is CE Marked and has an option 7 European Technical Assessment for anchoring into uncracked Concrete, an ETA for post installed rebar and stud connections as well as a masonry ETA for anchoring into hollow and solid masonry.

Product Code	Cartidges	Size(ml)	Color
CM350VESF	side-by-side	350ml	Grey

Scan QR code
ETA 14/0170
Bonded Anchor

Scan QR code
ETA 19/0862
Rebar Connection

Features

- Anchors may be placed close to free edges
- Ideal for overhead applications
- Suitable for dry, wet & flooded holes without loss of performance
- Reduced drilling diameters i.e. M20 only requires a 22 mm hole & M24 requires only a 26 mm hole making it an
- Economical injection system
- Variable embedment depths
- Available in side by side cartridges (350 ml)
- Ratio of 10:1

Application

- Canopies- ventilated
- Facades
- Railings
- Bicycle racks
- Balcony fences
- Hand rail
- Machinery installation

Apporvals

- ETA according to EAD 330499-00-0601 (Option 7: Uncracked Concrete)
- ETA according to EAD 330076-00-0604 (Masonry)
- ETA according to EAD 330087-00-0601 (TR023: Rebar Connections)
- 100 years service life
- A+ French VOC (Emissions Class)
- LEED Tested

CE Approval | ETA CE REBAR | ETA CE Option 7 | CSTB le future en construction | VOC FREE | LEED TESTED | 100 YEARS

Chemical Mortar Product Description

Chemical mortar - CM360SH



Description

CM360SH is a 'top-performance new generation Polymer' anchoring system with very low VOC content offering very high performance in both cracked & uncracked concrete, along with a very good performance under seismic conditions (C1 &C2). CM360SH together with its variations is one of the most versatile anchoring systems in our range.

CM360SH bonded anchoring system is CE Marked and has an Option 1 European Technical Assessment for anchoring into cracked and uncracked concrete, an ETA for post installed rebar connections as well as a masonry ETA for anchoring into hollow and solid masonry.

Product Code	Cartidges	Size(ml)	Color
CM360SH	side-by-side	360ml	Grey

Scan QR code
ETA 22/0115
Rebar Connection

Scan QR code
ETA 22/0076
Bonded Anchor

Features

- Suitable for use with close edge distance and small anchor spacings
- Suitable for dry, wet & flooded holes
- Reduced drilling diameters, 22mm for M20 and 26mm for M30; results in significant material and labour savings variable embedment depths 8d to 20d

Application

- Canopies- ventilated
- Facades
- Railings
- Bicycle racks
- Balcony fences
- Hand rail
- Machinery installation

Apporvals

- ETA Option 1 ETAG 001 for Cracked concrete with studs and rebar
- Tr029 ETA Option 1 ETA 001 for rebar Tr023: Approved for Seismic Loads C2 F 120 Fire Test report.
- ICC-ES Approval ESR 3853
- Bs6920 for use with potable water WRAS Approved 1309522
- ETA approved in flooded holes, wet and dry concrete
- Tested according to LEED 2009 EQ 4.1, SCAQMD rule 1168 (2005)

ETA
European Technical Assessment
INDO-SPARK CONSTRUCTION SERVICES (ICFS)
No. 1020-CPR-090-051597
ETA 22/0115
For fixing and/or supporting to concrete, structural elements (which contributes to the stability of the works) or heavy units.

ETA
European Technical Assessment
INDO-SPARK CONSTRUCTION SERVICES (ICFS)
ETA 22/0076
For the connection, by anchoring or overlap joint, of reinforcing bars (rebars) in existing structures made of normal weight concrete.

ÉMISSIONS DANS L'AIR INTÉRIEUR*
A+
A+ A B C
*Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, su une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions),

100 Year Concrete Working Life
100 YEARS

SEISMIC C1 & C2

WRAS
APPROVED MATERIAL
1501531

FIRE RATED R240

Chemical Mortar Product Description

Chemical mortar - CM585PE-PRO



Description

Epoxy Injection Resin is a top-performance two-component 3:1 ratio Epoxy injection resin bonded anchoring system for use in cracked and un-cracked concrete under normal as well as very demanding seismic conditions (seismic categories C1 & C2). Designed for starter bar and post installed rebar connection applications, Epoxy Injection Resin offers a very high load-bearing capacity. The system can be installed in percussive and diamond drilled dry, wet or flooded holes.

This 100% epoxy resion has been formulated with no phenol, N-Methyl Pyrrolidone, Bisphenol A and Phtalates or VOCs. It ideal for use with oversized holes, while extended gel time allows convenient use in deep holes, large diameters and high ambient temperatures.

Product Code	Cartidges	Size(ml)	Color
CM585PE-PRO	side-by-side	585ml	Red

Scan QR code
ETA 21/0239
Rebar Connection

Scan QR code
ETA 21/0250
Bonded Anchor

Features

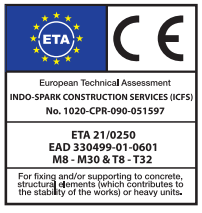
- Installations in dry, wet and flooded holes even in cracked concrete without reduction in the performance. Gel and cure times remain unchanged in damp or flooded holes
- Extremely high load capacity
- Remarkable seismic resistance
- Overhead applications possible
- Fixings close to free edges, stress free anchoring system
- Pure Epoxy is available in pink/red or gray mixed colour
- Available in side-by-side cartridges (585ML) mixing ratio of 3:1
- Extended gel/open time

Applications

- Structural applications in cracked and non-cracked concrete, applications in seismic zones (C1&C2)
- Crash barriers
- Structural Steel
- Facades
- Post-installed rebar connections starter bar applications

Approvals

- ETA according to EAD 33049-00-0601 (Option 1: cracked & Un-cracked concrete)
- Seismic C1&C2
- ETA according to EAD 330087-00-0601 (TR023: Rebar Connections)
- 100Years's service life
- Fire Resistance report F240 (post installed rebar connections)
- ICC-ES According to Ac308 (pending)
- A+ French VOC 9Emissions Class)
- LEED Tested
- WRAS Material Approval (Potable Water Contact)









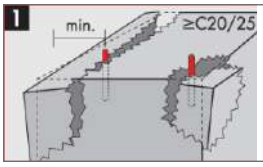
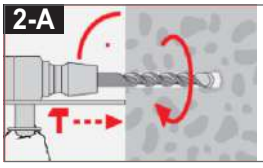
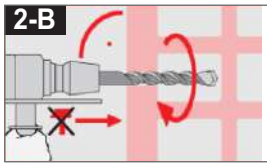
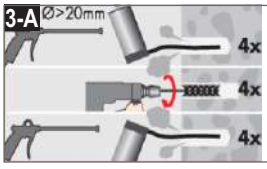
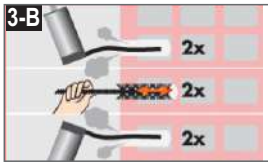
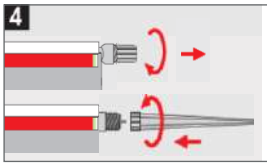
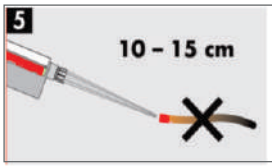
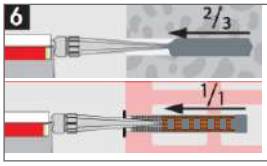
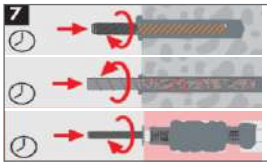
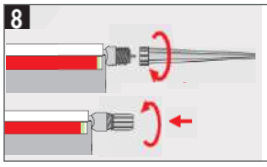






ICFS Chemical Mortar

Product Application guide

	Do not drill at the edge of a concrete or beam
	Use rotary mode for drilling holes into concrete or beam
	Use plain mode for drilling holes into brick wall
	Cleaning process: 2x blow, 2x brush, 2x blow, 2x brush,
	Clean the hole manually 2 times with the help of a blow pump and wire
	Remove the cap of the chemical cartridge and insert the nozzle,as shown by the arrow in the image
	Prepare the injection system. Discard some chemicals for proper mixing “until an even colour is achieved”.
	Inject 2/3 of the chemical into the hole for concrete and beam structures. Inject 1/1 of the chemical into the hole for brick structures.
	Insert the stud into the hole with a back-and-forth motion and rotate the stud as indicated in the image. Refer to the typical gel and curing time chart on the
	It is best to keep the mixer nozzle on the cartridge and only change it when you are ready to dispense the cartridge further.

Anchor Fasteners Accessories

Chemical Anchor Stud



Range : M8 x M110 to M30 x 1000

Grade : 5.8, 8.8, SS304(A2), SS316 (A4)

Description

The Chemical Anchor CAS is a chisel ended anchor for use with any of our injection systems and glass capsules in masonry and concrete. On installation the stud becomes chemically bonded to base material. The nut may be removed and replaced without affecting the anchorage. The chemical anchor CAS is supplied complete with high tensile hex nut and plain washer in addition to one external hex drive adapter in each box.

Features

- Suitable for non-cracked concrete
- High loading capacity
- SS material for corrosive environment
- Suitable for dry & water saturated concrete
- Anchor Stud length longer than one meter (1000mm) can be manufactured on specific request

Application

- Fastening in concrete
- Machine Foundation

Product code	Over All Size (mm)	Package content
CAS08110 (5.8)	M08 X 110	25
CAS08130 (5.8)	M08 X 130	25
CAS08155 (5.8)	M08 X 155	25
CAS10130 (5.8)	M10 X 130	25
CAS10165 (5.8)	M10 X 165	25
CAS10195 (5.8)	M10 X 195	25
CAS12160 (5.8)	M12 X 160	20
CAS12220 (5.8)	M12 X 220	20
CAS12250 (5.8)	M12 X 250	20
CAS 12300 (5.8)	M12 X 300	20
CAS16165 (5.8)	M16 X 165	10
CAS16190 (5.8)	M16 X 190	10
CAS16250 (5.8)	M16 X 250	20
CAS16300 (5.8)	M16 X 300	20

Product code	Over All Size (mm)	Package content
CAS16380 (5.8)	M16 X 380	20
CAS16500 (5.8)	M16 X 500	20
CAS20170 (5.8)	M20 X 170	10
CAS20260 (5.8)	M20 X 260	10
CAS20300 (5.8)	M20 X 300	10
CAS20350 (5.8)	M20 X 350	10
CAS20500 (5.8)	M20 X 500	10
CAS24300 (5.8)	M24 X 300	5
CAS24350 (5.8)	M24 X 350	5
CAS24380 (5.8)	M24 X 380	5
CAS24400 (5.8)	M24 X 400	5
CAS24450 (5.8)	M24 X 450	5
CAS24500 (5.8)	M24 X 500	5
CAS27340 (5.8)	M27 X 340	5
CAS30380 (5.8)	M30 X 380	5
CAS30500 (5.8)	M30 X 500	5
CAS081000 (5.8)	M08 X 1000	20
CAS101000 (5.8)	M10 X 1000	20
CAS121000 (5.8)	M12 X 1000	10
CAS161000 (5.8)	M16 X 1000	10
CAS201000 (5.8)	M20 X 1000	10
CAS241000 (5.8)	M24 X 1000	5
CAS301000 (5.8)	M30 X 1000	5
CAS08110 (8.8)	M08 X 110	25
CAS08130 (8.8)	M08 X 130	25
CAS08155 (8.8)	M08 X 155	25
CAS10130 (8.8)	M10 X 130	25
CAS10165 (8.8)	M10 X 165	25
CAS10190 (8.8)	M10 X 190	25
CAS12160 (8.8)	M12 X 160	20

Product code	Over All Size (mm)	Package content
CAS12220 (8.8)	M12 X 220	20
CAS12250 (8.8)	M12 X 250	20
CAS12300 (8.8)	M12 X 300	20
CAS16165 (8.8)	M16 X 165	10
CAS16190 (8.8)	M16 X 190	10
CAS16250 (8.8)	M16 X 250	20
CAS16300 (8.8)	M16 X 300	20
CAS16380 (8.8)	M16 X 380	20
CAS16500 (8.8)	M16 X 500	20
CAS20170 (8.8)	M20 X 170	10
CAS20260 (8.8)	M20 X 260	10
CAS20300 (8.8)	M20 X 300	10
CAS20350 (8.8)	M20 X 350	10
CAS20500 (8.8)	M20 X 500	10
CAS24300 (8.8)	M24 × 300	5
CAS24350 (8.8)	M24 × 350	5
CAS24380 (8.8)	M24 × 380	5
CAS24400 (8.8)	M24 × 400	5
CAS24450 (8.8)	M24 × 450	5
CAS24500 (8.8)	M24 × 500	5
CAS27340 (8.8)	M27 × 340	5
CAS30380 (8.8)	M30 × 380	5
CAS30500 (8.8)	M30 × 500	5
CAS081000 (8.8)	M08 × 1000	20
CAS101000 (8.8)	M10 × 1000	20
CAS121000 (8.8)	M12 × 1000	10
CAS161000 (8.8)	M16 × 1000	10
CAS201000 (8.8)	M20 × 1000	10
CAS241000 (8.8)	M24 × 1000	5
CAS301000 (8.8)	M30 × 1000	5

Anchor Fasteners Accessories

Super Capsule



Range: M08 X 80 to M24 X 210

Description

The chemical Capsule CCS is a high performance rapid cure spin-in chemical anchor system. It is based on optimum measured proportions of high strength epoxy acrylate resin, chemical activator and quartz aggregate sealed in a glass capsule. It is a fast install, simple to use system requiring no special tools and provides high strength stress free anchoring in concrete and solid masonry.

Features

- Fast, easy installation-no special adaptors required
- Setting excellent chemical resistance
- Components are mixed during installation of threaded rod or rebar

Application

- Rapid cure
- Consistent load behavior
- Suitable for static and dynamic loading
- Fast and simple to install
- Vibrantion Resistant

Product code	Over All Size (mm)	Package content
CCS08	8 × 80	10
CCS10	10 × 90	10
CCS12	12 × 110	10
CCS16	16 × 125	10
CCS20	20 × 170	6
CCS24	24 × 210	6
CCS27	27 × 240	6
CCS30	30 × 280	6

Mechanical Anchor Product Description

Indo Wedge Anchor **IWA** (ETA Approval)



Range: M8 x 75 to M24 x 250

Grade: 5.8 Zinc Plating,
SS304 & SS316

Scan QR code

ETA 16/0502
IWA

Description

The indo wedge anchor IWA can be installed through the work piece. This saves considerable time in installation avoiding alignment errors and provides an exceptionally efficient retention method for fixing to concrete and stone. Its firm fixing action permits repeated removal and replacement of the nut without weakening the anchorage. As the bolt is driven into the fixing hole the clip is compressed ensuring a tight interference fit. When torque is then applied to the nut the tapered section of the bolt retracts through the clip which expands to create a rapid and permanent grip.

Features

- Roughness working principle; installation by Use for high loads.
- Assessed for two installation depths.
- Easy installation.
- Use in non-cracked concrete.
- Previous installation, or through the fixture.
- Use for static or quasi-static loads.
- Three versions zinc plated, stainless steel A2 and A4.
- Variety of lengths and sizes, assembly flexibility.
- DIN 440 for fixing wood structures to concrete.

Application

- Structural application in non cracked concrete.
- Safety barriers Billboards, Machinery, Signals, Steel beams.
- Fixing wood structure in concrete.

Approvals

- ETA 16/0502 of 31/07/2020

Product Installation Process



Drilling





Hole Cleaning



Align and Position

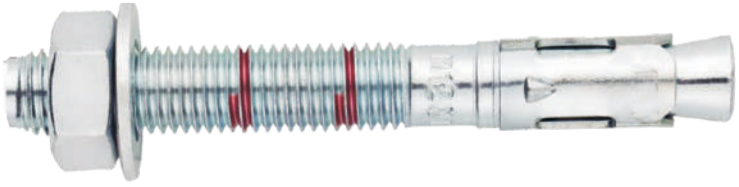


Tighten and Torque



Completed Installation

Product code	Over All Size (mm)	Package content
IWA8115	8 × 115	100
IWA8130	8 × 130	100
IWA1080	10 × 80	100
IWA1090	10 × 90	100
IWA10100	10 × 100	100
IWA10120	10 × 120	50
IWA10150	10 × 150	50
IWA10170	10 × 170	50
IWA12100	12 × 100	50
IWA12120	12 × 120	50
IWA12150	12 × 150	50
IWA12180	12 × 180	50
IWA12220	12 × 220	50
IWA16145	16 × 145	25
IWA16200	16 × 200	25
IWA16250	16 × 250	25
IWA20170	20 × 170	20
IWA20220	20 × 220	20



Mechanical Anchor Product Description

Through Bolt Anchor **TBA**



Range: M8 x 75 to M24 x 250

Grade: 5.8 Zinc Plating,
SS304 & SS316

Scan QR code

Technical Assessment of
Mechanical Wedge Anchors
According to BIS 1946-4

Description

The through bolt anchor TBA can be installed through the work piece. This saves considerable time in installation avoiding alignment errors and provides an exceptionally efficient retention method for fixing to concrete and stone. Its firm fixing action permits repeated removal and replacement of the nut without weakening the anchorage.

As the bolt is driven into the fixing hole the clip is compressed ensuring a tight interference fit. When torque is then applied to the nut the tapered section of the bolt retracts through the clip which expands to create a rapid and permanent grip.

Features

- Easy installation
- For use in non-cracked concrete
- For medium-high loads
- Previous installation, or at the drilling of the material to be fixed
- Wide range of lengths and diameters available: installation flexibility
- For static or almost static loads
- Simple Through fixing, eliminating the need for setting or marking out. Same drill size and body diameter.
- High strength solid steel shanks.
- Fast and easy to install, simply push though the fixture, tap into a clean drill hole and tighten.

Application

- Anchoring sheets
- Protection fences
- Metallic structures
- Overhead power cabling
- Bridges
- Traction concrete
- Elevators
- Urban furniture
- Pipe supports
- Machinery foundation

Approvals

- Technical Assessment of Mechanical Wedge Anchors According to BIS 1946-4

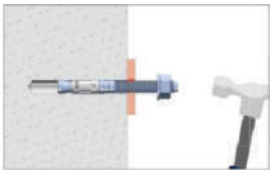
Product Installation Process



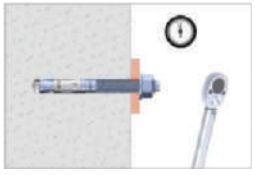
Drilling



Hole Cleaning



Install



Tighten and Torque

Product code	Over All Size (mm)	Package content
TBA875	8 X 75	100
TBA 890	8 X 90	100
TBA1075	10 X 75	100
TBA10100	10 X 100	100
TBA10120	10 X 120	50
TBA 10150	10 X 150	50
TBA1280	12 X 80	50
TBA12100	12 X 100	50
TBA12120	12 X 120	50
TBA12150	12 X 150	50
TBA12250	12 X 250	25
TBA16100	16 X 100	50
TBA16125	16 X 125	25
TBA16145	16 X 145	50
TBA16175	16 X 175	25
TBA16200	16 X 200	25
TBA16250	16 X 250	25
TBA20170	20 X 170	20
TBA20220	20 X 220	20
TBA24150	24 X 150	10
TBA24200	24 X 200	10
TBA24250	24 X 250	10

Mechanical Anchor Product Description

Drop in Anchor **DIA**



Description

The Drop in Anchor DIA is internally threaded to offer a suitable fixing in conjuction with all standard types of metric bolts, set screw and studding. The drop in anchor DIA creating, permanent and reusable internal thread in the base material after inserting the drop in anchor.

Range: M6 x 25 to M20 x 80

Product code	Over All Size (mm)	Package content
DIA0625	6 X 25	200
DIA0830	8 X 30	100
DIA1040	10 X 40	50
DIA1250	12 X 50	50
DIA1665	16 X 65	25
DIA2080	20 X 80	10

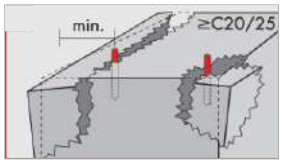
Features

- Flush surface finish means fixtures can be relocated easily material
- Versatile, Usable with standard metric bolts sets, screws or studding
- Quick and easy to install
- No thread damage when hammering the Drop in Anchor into the drilled hole
- *Stainless steel version available for corrosive environments
- No flared end for easy setting in greater depth
- Allows for shallow embedment without sacrificing performance
- Hammer set anchor with internal thread for propositioned installation
- Suitable for all screws or studs with metric threads

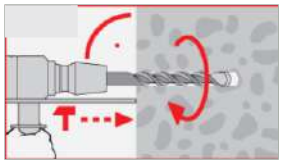
Application

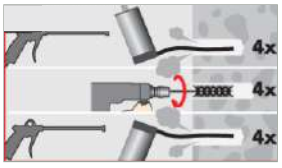
- For use with bolts or threaded rods
- Fastening diamond core drilling
- Rings/base plates
- Pipes and sprinkler systems
- Steel constructions
- Cable trays
- Suspended from ceiling

Product Installation Process

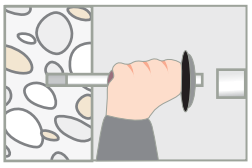


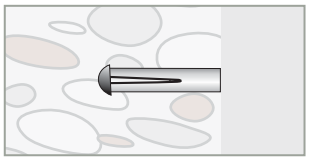
Base Material


Drilling



Hole Cleaning


Hammer


Fixing

Indo Prime Bolt Zone (IPBZ A4)

Indo Prime Bolt Zone (IPBZA4)



ETA23/0615
04/09/2023

Scan QR code
ETA 23/0615
IPBZ A4

SEISMIC C1 & C2

FIRE RATED R240

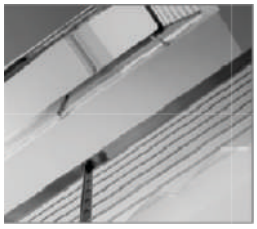
Features & benefits

- Stainless steel anchor for the highest corrosion resistance
- High performance in cracked and non-cracked concrete confirmed by ETA Option 1
- Highest quality ensures maximum load capability
- For applications requiring fire resistance up to 120 minutes
- Suitable for reduced embedment to avoid contact with reinforcement
- Embedment depth markings help to ensure precise installation of the anchor
- Design of IPBZ allows drilling and installing directly through the fixture and helps to reduce installation time
- Suitable for installation in corrosive environments category C1, C2, C3, C4 And C5
- Anchors can be used in earthquake risk zones - seismic category C1 and C2

Applications

- Cladding restraints
- Barriers
- Structural steel
- Curtain walling
- Handrails
- Heavy Plant
- Balustrading
- Passenger lifts
- Facades
- Fencing & gates manufacturing and installation
- Masonry support
- Platforms
- Public seating
- Racking systems



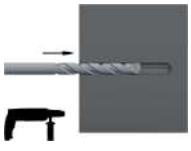


Base Materials Approved for use in

- Cracked / Non-cracked concrete C20/25-C50/60
- Reinforced / Un-reinforced concrete

Also suitable for use in Natural Stone (after site testing)

Product Installation Process



Drilling



Hole Cleaning



Install



Tighten and Torque



Final Assembelly

Indo Prime Bolt Zone (IPBZ DP)

Zinc Flake Through Bolt





ETA23/0615
04/09/2023

SEISMIC C1 & C2

50 YEARS

FIRE RATED R240

Scan QR code

ETA 23/0866
IPBZ DP

Features & benefits

- New generation of through bolt with unique corrosion-resistant coating
- High performance in cracked and non-cracked concrete confirmed by ETA Option1
- Highest quality ensures maximum load capability
- For applications requiring fire resistance up to 120 minutes
- Suitable for reduced embedment to avoid contact with reinforcement
- Embedment depth markings help to ensure precise installation of the anchor
- Design of IPBZ DP allows drilling and installing directly through the fixture and helps to reduce installation time
- Anchors can be used in earthquake risk zones-seismic category C1and C2

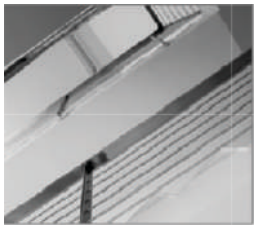
Applications

- Cladding restraints
- Consoles
- Barriers
- Structural steel
- Curtain walling
- Handrails
- Heavy Plant
- Balustrading
- Passenger lifts
- Facades
- Racking systems
- Platforms
- Fencing and gates manufacturing and installation

Base Materials Approved for use in

- Cracked / Non-cracked concrete C20/25-C50/60
- Reinforced / Un-reinforced concrete





Also suitable for use in Natural Stone (after site testing)

Product Installation Process



Drilling



Hole Cleaning



Install



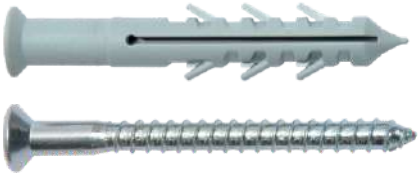
Tighten and Torque



Final Assembelly

Nylon Anchor Product Description

Nylon Plug **NFP**



Description

The nylon frame plug NFP provides a professional and secure method for the fixing of doors and window frames. It has an elongated nylon plug body incorporating a countersunk collar and is supplied complete with heavy gauge screw in either countersunk or hexagonal head.

Scan QR code

Technical Assessment of Nylon Anchors According to ETA EAD 330284-00-0604

Range: M10 x 80 to M10 x 160

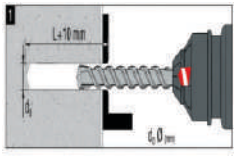
Plug - Polymide PA6 nylon
Screw-Steel,Zinc Plated / SS304(A2)

Product code	Over All Size (mm)	Package content
NFP1080	10 X 80	50
NFP10100	10 X 100	50
NFP10120	10 X 120	50
NFP10140	10 X 140	50
NFP10160	10 X 160	50

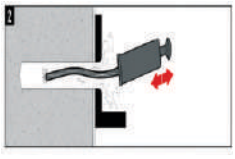
Application

- Ideal for timber battens, wooden batten, skirting facade and roof substructures
- Metal & plastic, window and doorframes, Metal profiles, fire doors, panels and cladding
- Screw guide stops screw from penetrating sides, by ensuring positive tracking down entire length
- Offset block profile allows plug to hold firmly against sides of hole when expansion begins
- Countersunk collar reduces risk of bi-metallic corrosion when fastening non-ferrous fixtures

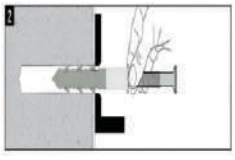
Product Application guide



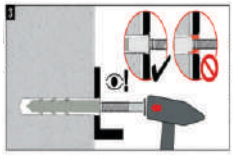
Drilling



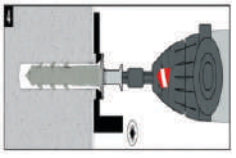
Clean the hole



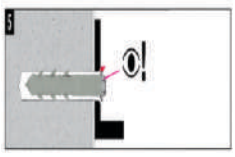
Insert the anchor



Install



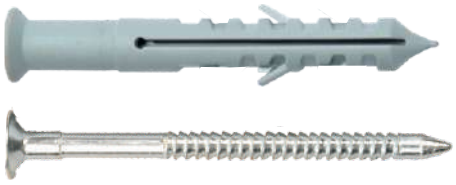
Insert Screw into the Anchor



Final Installation

Nylon Anchor Product Description

Nylon Hammer Fixing Plug **NHF**



Description

The nylon hammer fixing plug NHF is a time saving hammer-in nylon plug with pre-assembled zinc plated nail-screw. The nylon hammer fixing plug NHF expands when the nail is driven in and holds by friction in the drill hole. Suitable for most types of base materials. Long expansion area, nail-screw with reinforced neck and pozidrive head. Fixture can easily be removed.

Range: M05 x 40 to M08 x 120

Plug - Polymide PA6 nylon
Screw-Steel,Zinc Plated / SS304(A2)

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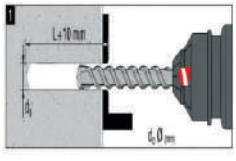
Technical Assessment
of Nylon Anchors According to
ETA EAD 330284-00-0604

Product code	Over All Size (mm)	Package content
NHF5040	5 X 40	200
NHF6040	4 X 40	200
NHF6060	6 X 60	200
NHF6080	6 X 80	100
NHF8060	8 X 60	100
NHF8080	8 X 80	1000
NHF8100	8 X 100	100
NHF8120	8 X 120	100

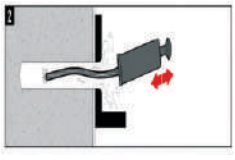
Application

- Deforming crumple zone allows for quick adjustment of depth on uneven surfaces
- Brand point allows for quick and easy insertion of the Hammer plug into the pre-drilled hole
- Long expansion aces provides a more efficient fix even in light weight aerated concrete

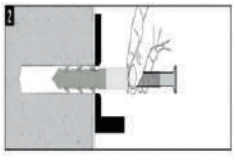
Product Application guide



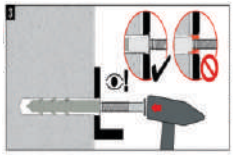
Drilling



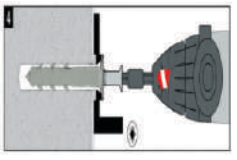
Clean the hole



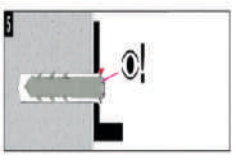
Insert the anchor



Install



Insert Screw into the Anchor



Final Installation

Nylon Anchor Product Description

Hex Head Screw **HHS** - Universal Frame Anchor



Range: M10 x 80 to M10 x 100

Plug - Polymide PA6 nylon
Screw-Steel, Zinc Plated

Description

The ICFS Universal Frame Anchor is a light duty, rotation setting, interference fit anchor, designed for use in a variety of substrates such as concrete, stone, solid brick, hollow brick, solid block, hollow block, hollow slab block and light weight concrete (AAC) block. Available in various sizes with countersunk or hex head screw.

Application

- Frame work
- Base plate fastening in steel and metal construction
- Railings and handrails
- Removable fastenings

Product code	Over All Size (mm)	Package content
HEX1080	10 X 80	30
HEX10100	10 X 100	30

Nylon **FD** Plug



Range: M4 x 20 to M8 x 40

Description

The nylon plug NP is considerably stronger than standard grade plastic expansion plugs. These high quality wall plugs are designed for use with all screw fixings in masonry and concrete. High impact load and knock in protection prevents distortion on installation.

Application

- Suitable for wood and chipboard screws
- Screw guide stops screw from penetrating sides, by ensuring positive tracking down entire length

Product code	Over All Size (mm)	Package content
FD 0420	4 X 20	200
FD0525	5 X 25	100
FD0630	6 X 30	100
FD0840	8 X 40	100

PU Foam Product Description

1K Assembly PU Foam



One Time Use Only

Description

ICFS FOAM 1K is a one-component, self expanding, ready to use polyurethane foam with CFC - free propellants, which are completely harmless to the ozone layer.

High performance one-component expanding PU foam

Application

- Installation of window and door frames.
- Filling of cavities.
- Sealing of all openings in roof constructions.
- Creation of a soundproof screen.
- Mounting and sealing of window and door frames.

Product code	Overall Size (ml)	Package content
1KAF	750	1

1K Fire Rated PU Foam B1



One Time Use Only

Description

ICFS High-quality fire insulation foam with straw applicator with low post expansion for demanding users. The new and narrower straw applicator ensures good foam structure and high output. The new trigger is suitable for temporary airtight sealing of the straw during work pauses.

High performance one-component expanding Fire Rated PU foam

Application

- Installation of fire-proof doors & windows.
- Sealing of joints in fire rated walls.
- Insulation of feed through of pipes and cables.
- Sealing and fixation of pipes as well as thermal insulation any place where high fire-proofness is required.

Product code	Overall Size (ml)	Package content
1KFRF B1	750	1

PU Foam Product Description

1K Assembly Foam PRO



18 Months Shelf life

Description

ICFS FOAM PRO with CFC-free propellant is a one-component, self expanding, ready to use polyurethane foam. It contains CFC-free propellants, which are completely harmless to the ozone layer.

High performance Gun-Grade expanding PU foam

Application

- Installing of window and door frames
- Filling of cavities
- Sealing of all openings in roof constructions
- Creation of a soundproof screen
- Mounting and sealing of window and door frames
- Connecting of insulation materials and roof constructions

Product code	Overall Size (ml)	Package content
1KAFP	750	1

1K Fire Rated B1 Gun Grade PRO



18 Months Shelf life

Description

ICFS FOAM 1K is a one-component, self expanding, ready to use polyurethane foam with CFC - free propellants, which are completely harmless to the ozone layer.

High performance Gun-Grade expanding Fire Rated PU foam

Application

- Installation of fire-proof doors & windows
- Sealing of joints in fire rated walls
- Insulation of feed through of pipes and cables
- Sealing and fixation of pipes as well as thermal insulation any place where high fire-proof ness is required

Product code	Overall Size (ml)	Package content
1KFRFP B1	750	1

PU Foam Product Description

Foam Gun Cleaner



Cleaning Spray for removal of uncured Construction Foam tools and surfaces

Description

Gun & Foam Cleaner is a ready to use cleaning can for ICFS Gun and PU Foam Pro.

Features

- Gun & Foam cleaner used in cleaning cans for use on ICFS PU
- Foam Gun and foams.
- By Gun & Foam cleaner Cleaning of the valves of the ICFS PU Foam
- By Gun & Foam cleaner Removal of uncured foam.
- Gun & Foam cleaner Used in conjunction with ICFS PU Foam Gun and the foam Applicator as cleaning fluid.

Product code	Overall Size (ml)	Package content
GAFC	500	1

PU Foam Spray Nozzle



Material: Plastic

Description

ICFS 1 K-Assembly Polyurethane PU Foam Straw Spray Nozzle.

Product code	Overall Size (mm)	Package content
SN200	10 - 200	1

Pu Foam Spray Dispensing Gun



Material: Plastic & Stainless Steel
Hand Operated

Description

ICFS PU Foam Heavy Duty Professional Expanding Foam Gun Applicator. professional expanding foam gun can be widely used, easy to operate, spray evenly, will not be wasted.

Product code	Overall Size (mm)	Package content
FGPRO1141	8	1

Accessories

Blow out pump BP



Hand Operated
Material: ABS

Description

The hand operated blow out pump BP is for drill hole cleaning prior to anchor installation.

Important Note:
Performance based on clean holes;
HAMMER DRILLED - blown and then brushed with a still metal brush & blown again.

Product code	Overall lengh (mm)	Package content
BP280	280	1

Dispenser DM350 / DM585



Material: Steel body & mechanism

Description

The professional dispenser DM350 / 585 for use with chemical mortar cartridges.

Product code	Cartridge Type	Capacity	Ratio	Package content
DM350 Black	Side-by-side	350	10:1	1
DM400	Side-by-side	400	1:1	1
DM420	Co-axial	420	10:1	1
DM585	Side-by-side	585	3:1	1
DM600	Side-by-side	600	1:1	1

Chemical Mixer Nozzle



Variant: Co-axial / side by side
Material: Plastic

Description

Mixer Nozzle used with ICFS resin cartridges.
Chemical mixer nozzle can also be used with other brand chemical cartridges
Spare mixer nozzle for use with chemical mortar cartridges CM360P, CM350VESF, CM585PE, CM360SH

Cleaning brush CB



Variant: Hand Operated
Material: Steel body & head

Description

Wire brush CB is for thorough cleaning and hole preparation.

Product code	Lengh (mm)	Overall lenght (mm)	Package content
CB0816	13	8-16	1

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