ICFS®

INDO CONSTRUCTION FASTENING SYSTEMS

A Brand of Indo Spark Group Since 1978





Foundation to Finish

Smart Anchoring & Fastening for All Construction Stages

Foundation & Substructure Work

LAYOUT



STAGES OF CONSTRUCTIONS



CONSTRUCTION PROCESS



FINAL VIEW

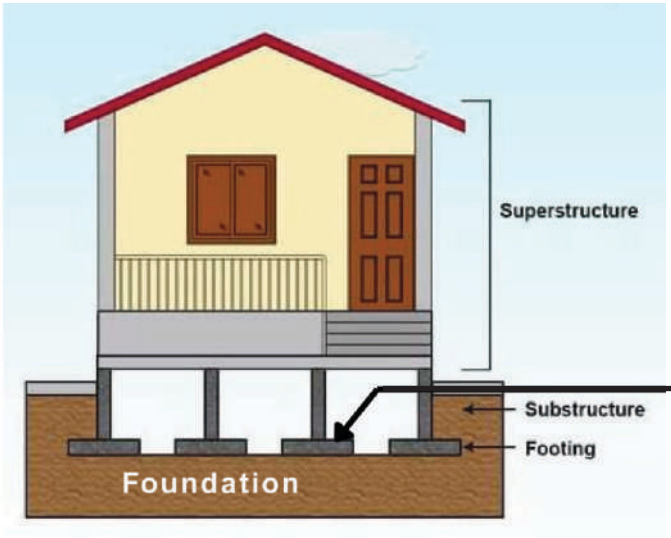


Foundation & Substructure Work

Application For CM585PE-PRO

Features

- Rock Anchoring for footing and retaining walls
- Foundation to column rebaring
- Extremely high load capacity
- Overhead applications possible
- Fixings close to free edges, stress-free anchoring system
- Remarkable seismic resistance

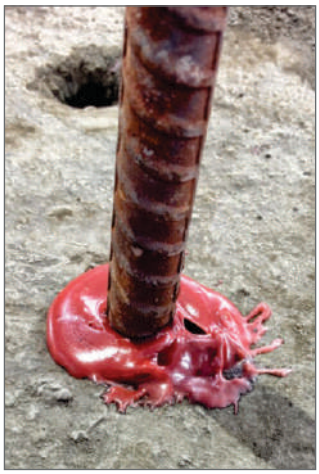




CM585PE-PRO

Scan QR code
ETA 21/0239
Rebar Connection

Scan QR code
ETA 21/0250
Bonded Anchor



Rock Anchoring



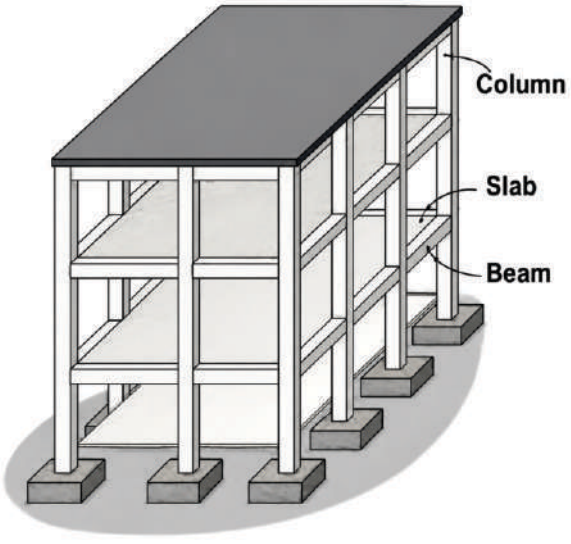
Foundation to column rebaring

Structural Framework (Columns, Beams, Slabs)

Application For CM350VESF, CM360SH

Features

- Anchors may be placed close to free edges
- Ideal for overhead applications
- Suitable for use with close edge distance and small anchor spacings
- Suitable for dry, wet & flooded holes
- Extensions to unplanned buildings





CM350VESF

Scan QR code

ETA 14/0170
Bonded Anchor

Scan QR code

ETA 19/0862
Rebar Connection



CM360SH

Scan QR code

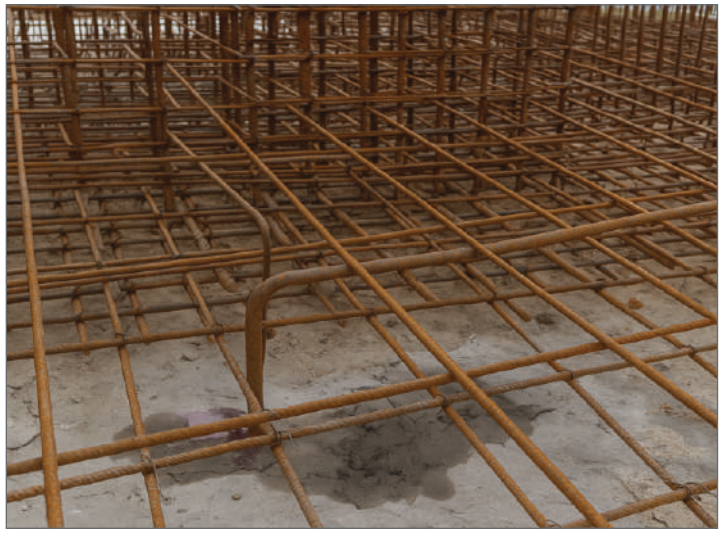
ETA 14/0170
Bonded Anchor

Scan QR code

ETA 19/0862
Rebar Connection



Rebaring for beams & Columns



Rebaring for slabs and chajjas

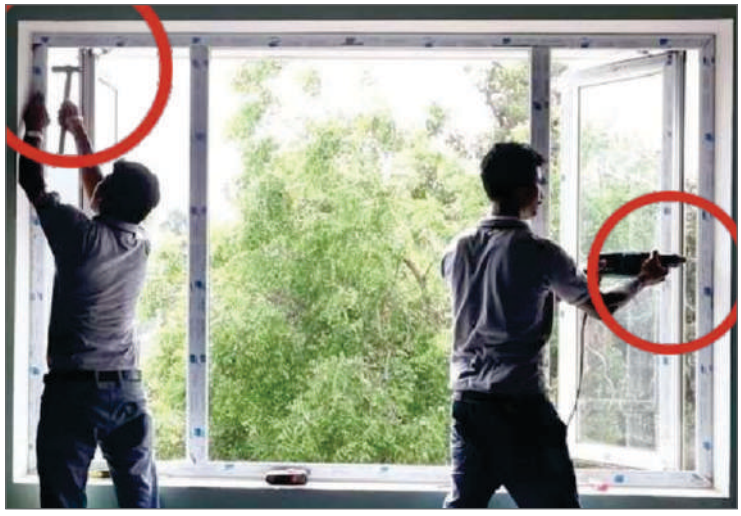
Door, Window & Interior Fixing

Application of nylon plugs (Frame, Hammer Fixings, FD Plugs) for:

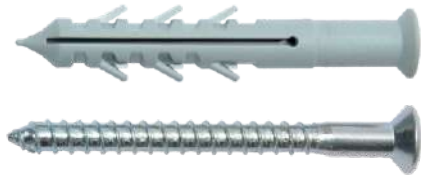
Features

- UPVC Window and Door Frame Fixing
- Anchoring into solid masonry or concrete
- Medium-duty applications where reliable grip is essential
- Securing items like wooden frames, electrical boxes, and brackets









Nylon Frame Plug - NFP



Hex Head Screw - HHS

Scan QR code

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

Mechanical & Interior Fixtures

Application of anchoring systems for:

Features

- Pipelines for water, sewage, and firefighting
- Electrical fixtures, ceiling fans, cable trays, and HVAC
- Bathroom fittings such as commodes, wash basins, and towel hangers
- PU foam fills gaps at door and window joints, around pipes, and core-drilled openings.
- Sprayable PU foam, either with attached nozzle or with re-usable injection gun



Nylon Frame Plug - NFP



DIA



PU Foam







Automation & Security Systems

Application of CM350VESF, NFP, TBA, CAS For:

Features

- Anchoring CCTV cameras and surveillance equipment
- Fixing entry gate automation systems
- Installing security barricades and parking control systems



NFP



TBA

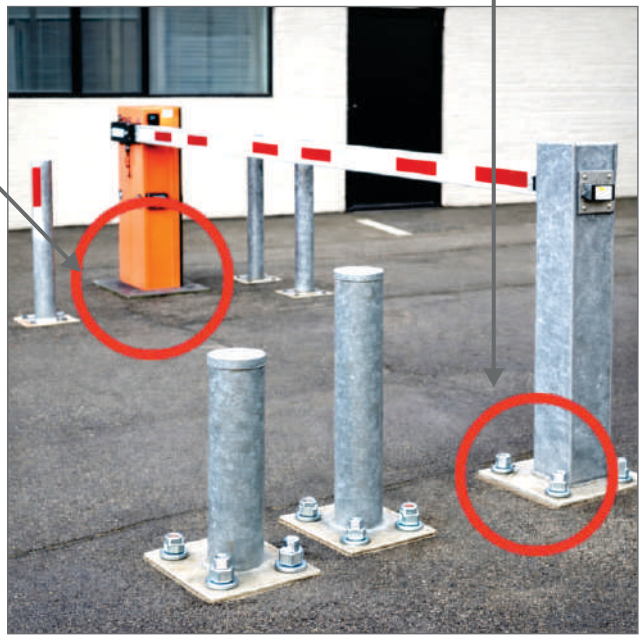


CM350VESF



CAS





Rooftop & Safety Structures

Application of TBA, IWA

Features

- Solar panel mounting
- Exterior railings
- Rooftop sheds



IWA



TBA



Scan QR code

ETA 16/0502
IWA

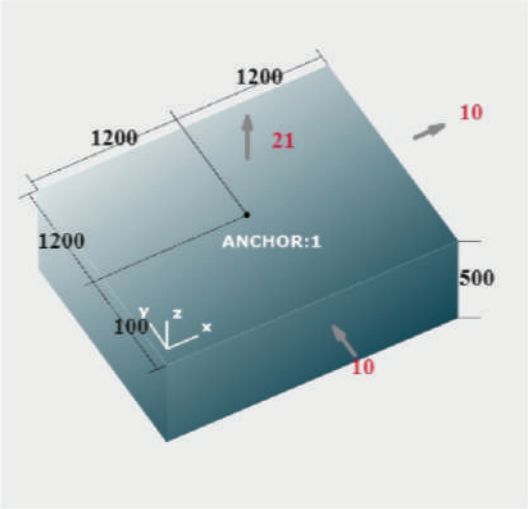
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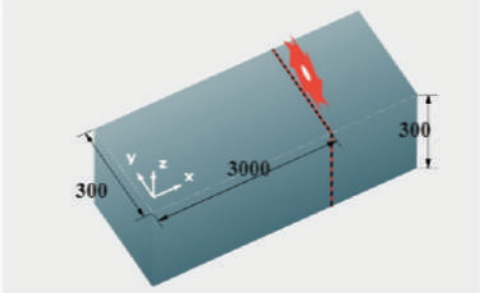
Technical Assessment of
Mechanical Wedge Anchors
According to BIS 1946-4





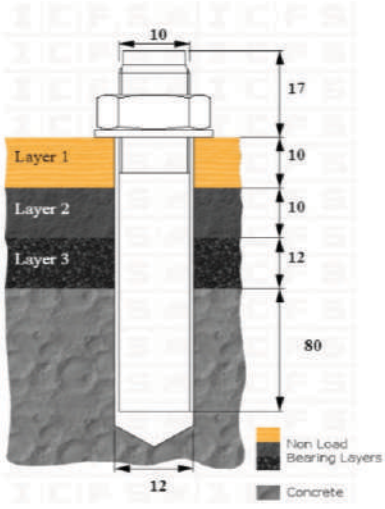
ICFS ANCHOR DESIGN SOFTWARE





ICFS Beam Cut 1

Area	0.09 m^2
Volume	0.27 m^3
Weight	675 kg



INDO CONSTRUCTION FASTENING SYSTEMS

INDO SPARK CONSTRUCTION SERVICES
198, E. Tararani Chowk, Kolhapur - 416003.
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Toll Free No.: 1800 123 500 023
www.indospark.com

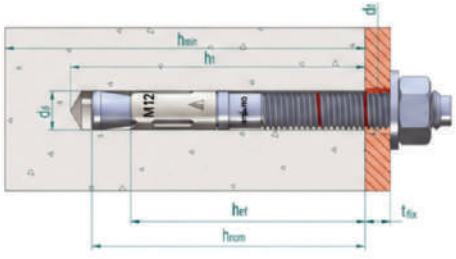
Project

Reference code
Design office
Person in charge
Construction Office
Person in charge

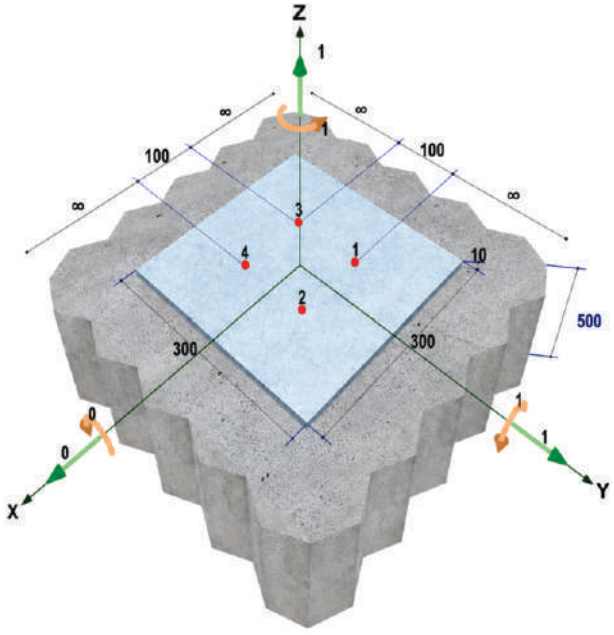
Selected Products

Anchor (name)	IWA anchor
Approval	ETA 16/0502
Size	M8 x 90
Article code	IWA 890
Coating/Material	Zinc plated

-
-



16
INDO SPARK
CONSTRUCTION SERVICES
416003 Maharastra
India
ETA 16/0502
1219
Structural fixings in non cracked concrete



Anchor data

d	Anchor/thread diameter:	8.0	mm	t_{fix}	Thickness of fixture:	10.0	mm
d_{nom}	Outside diameter of anchor:	8.0	mm	SW	Spanner:	13.0	mm
d_o	Drill hole diameter:	8.0	mm	T_{inst}	Max setting torque	20.0	Nm
h_1	Depth of drilled hole:	65.0	mm				
h_{nom}	Setting depth:	60.0	mm				
h_{ef}	Effective anchorage depth:	48.0	mm				
d_f	Diameter of clearance hole in fixture:	9.0	mm				

Approvals & Certifications

Sr. No.	Model	Type of Anchorages & Cartidge	Approvals For Chemical & Mechanical Anchors
1)	**ICFS CM585PE-PRO** Pure Epoxy Dual (3:1)		Concrete (non-cracked), Concrete (cracked), Static/ quasi static, Hammer drilled holes, Diamond drilled holes, Small edge distance and spacing, Variable embedment depth, SEISMIC C1 & C2, Long Curing Time Min. 8 Hours, Threaded Rod M8-M30, Rebar M8-M32mm, 100 YEARS, Suitable for dry or wet or water filled, Rock Anchoring, HCR highMo High corrosion resistance, A4 316 Corrosion resistance
2)	**ICFS CM360SH** Seismic Hybrid Dual(10:1)		Concrete (non-cracked), Concrete (cracked), Static/ quasi static, Hammer drilled holes, Diamond drilled holes, Small edge distance and spacing, Variable embedment depth, SEISMIC C1 & C2, Quick Setting Min. 30 Mins., Threaded Rod M8-M30, Rebar M8-M32mm, 100 YEARS, Suitable for dry or wet, Rock, HCR highMo High corrosion resistance, A4 316 Corrosion resistance
3)	**ICFS CM350VESF** Vinylester Dual(10:1)		Concrete (non-cracked), Quick Setting Min. 1 Hour, Threaded Rod M8-M24, Rebar M8-M20mm, 100 YEARS, Suitable for dry
4)	**ICFS Indo Wedge Anchor (IWA)** Sizes : M8-M24		Concrete (non-cracked), Dry internal condition, 50 YEARS
5)	**ICFS Indo Prime Bolt Zone (IPBZ A4)** Sizes : M10-M12 Fire Exposure		Concrete (non-cracked), Concrete (cracked), Static/ quasi static, Dry internal condition, SEISMIC C1 & C2, 50 YEARS
6)	**ICFS Indo Prime Bolt Zone(IPBZ DP)** Sizes : M10, M12, M16 Fire Exposure		Concrete (non-cracked), Concrete (cracked), Static/ quasi static, Dry internal condition, SEISMIC C2, 50 YEARS

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CHANNEL PARTNER

INDO SPARK CONSTRUCTION SERVICES

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