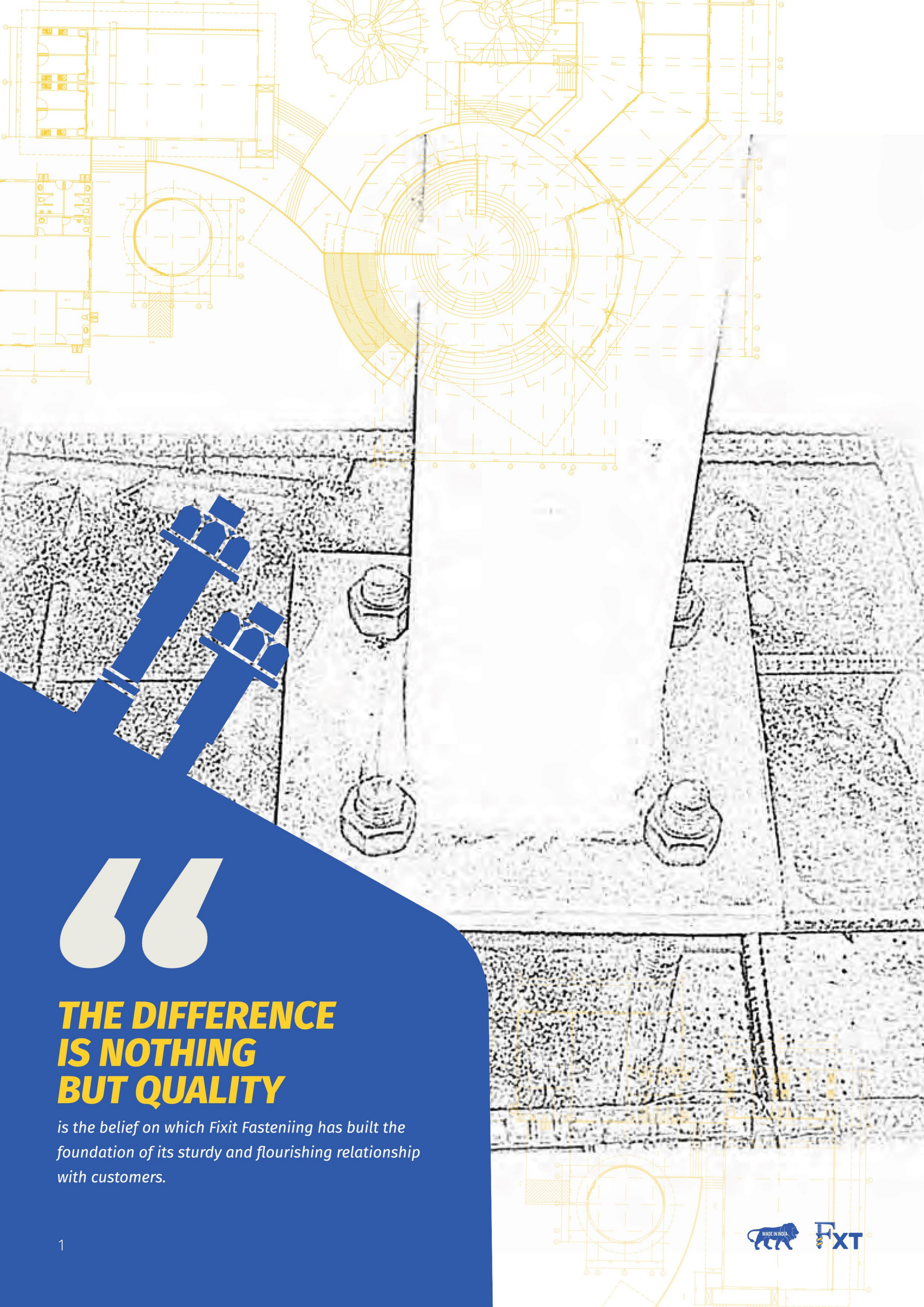


ixit **Fasteniing** SOLID CONNECTION





“ **THE DIFFERENCE IS NOTHING BUT QUALITY**

is the belief on which Fixit Fastening has built the foundation of its sturdy and flourishing relationship with customers.



Fixit Fastening

SOLID CONNECTION



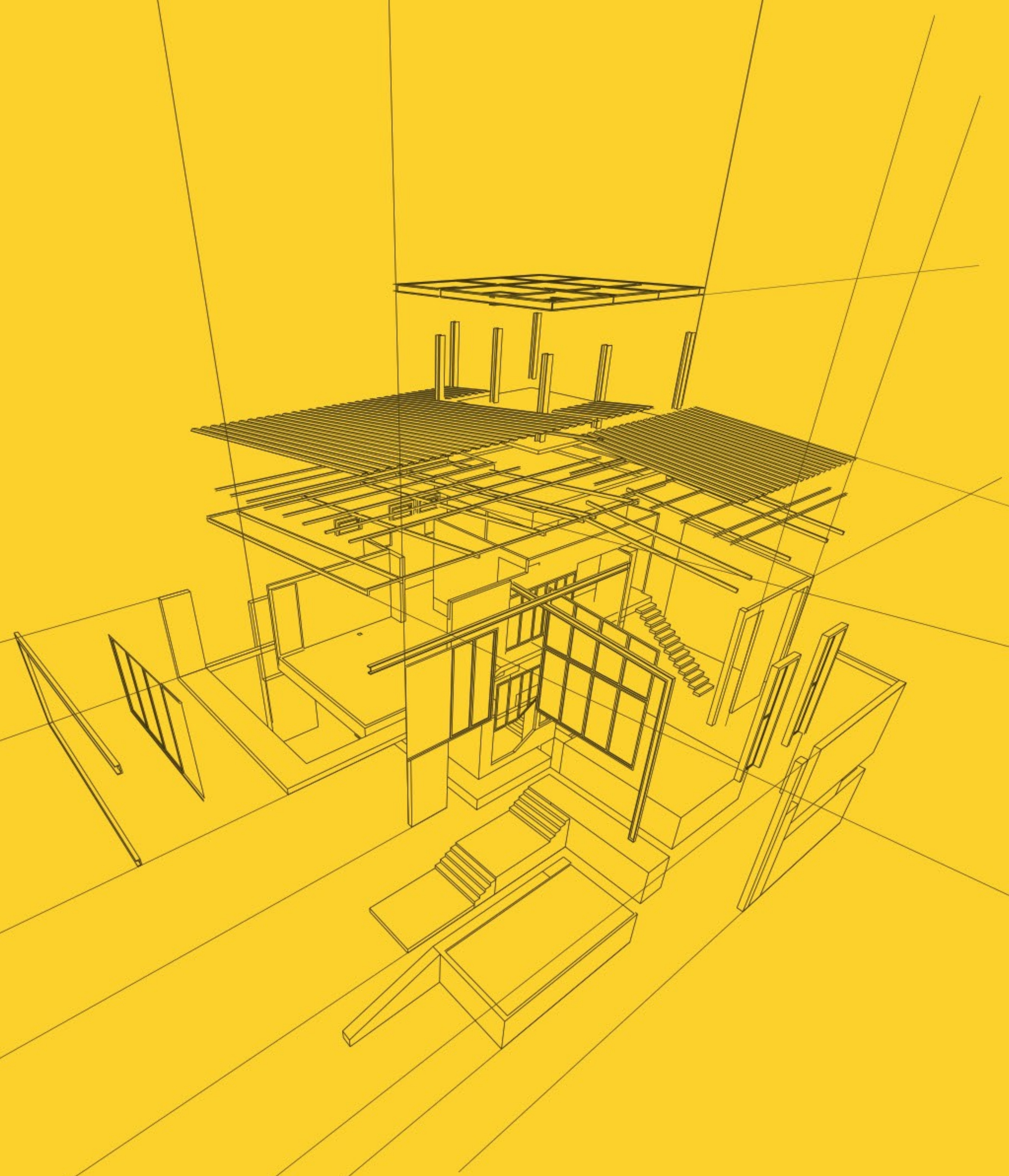
FIXIT is proud to launch a formidable masterpiece in the fastening industry, which is engineered to perform in construction fastening applications. It is available in varied sizes, construction fastener technology delivers its impact with greater simplicity and precision. It has been rigorously tested and validated by real time US Based Software and manufactured by **Fixit Fasteners** with utmost precision, stringent quality standards & controls in India.

Research & Development Centre

Fixit Fasteners are extensively tested and tried before being launched to customers globally. Fixit Fasteners has a strong & efficient technical team which works on continuous efforts to upgrade current technologies and also to establish new technological solutions for modern day. Our R&D team derives its challenge from customers' day-to-day problems and solves these with cutting edge solutions.

The R&D Centre has the following testing facilities:

- Corrosion Tests
- Mechanical Tests
- Chemical Tests





BELIEVES IN

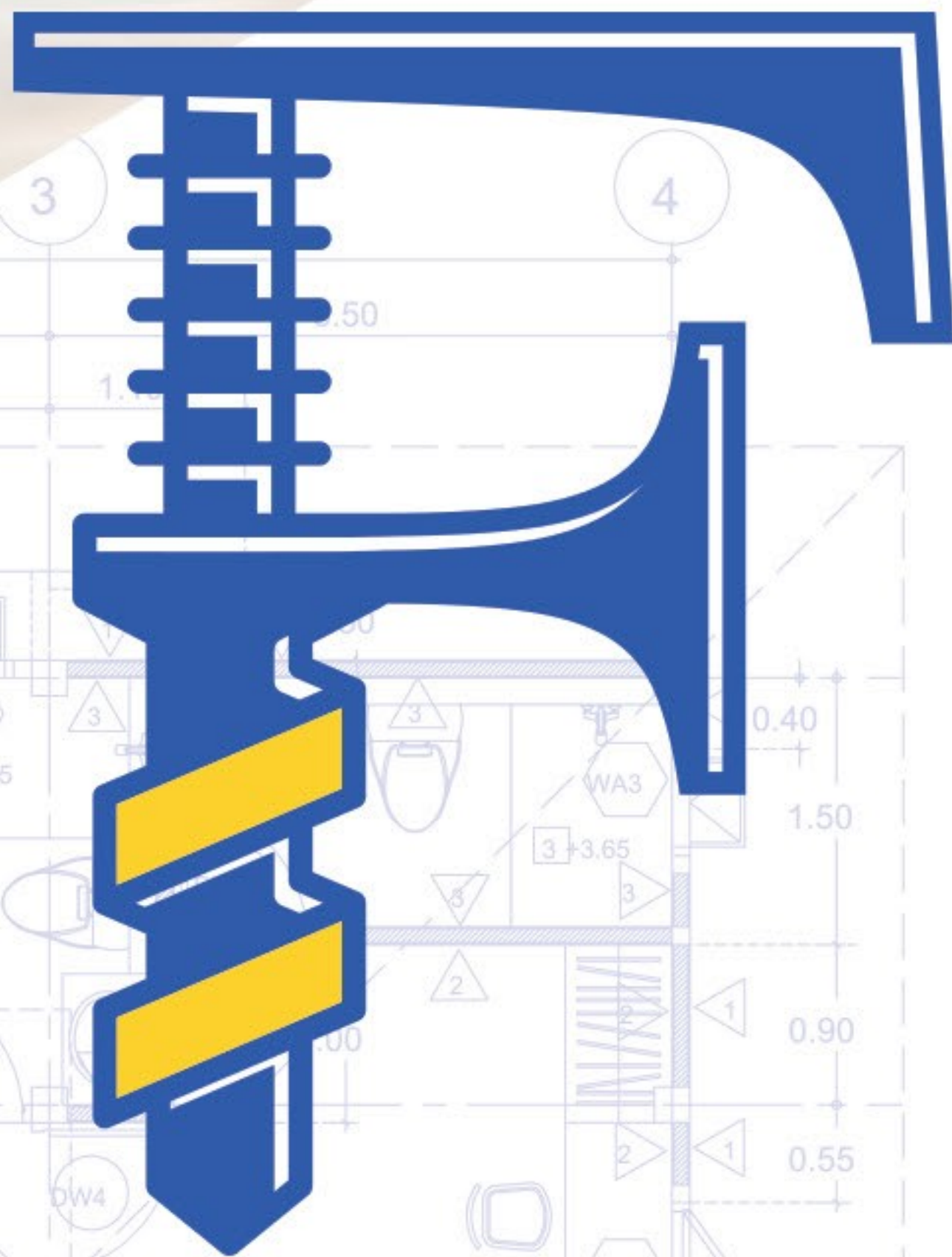
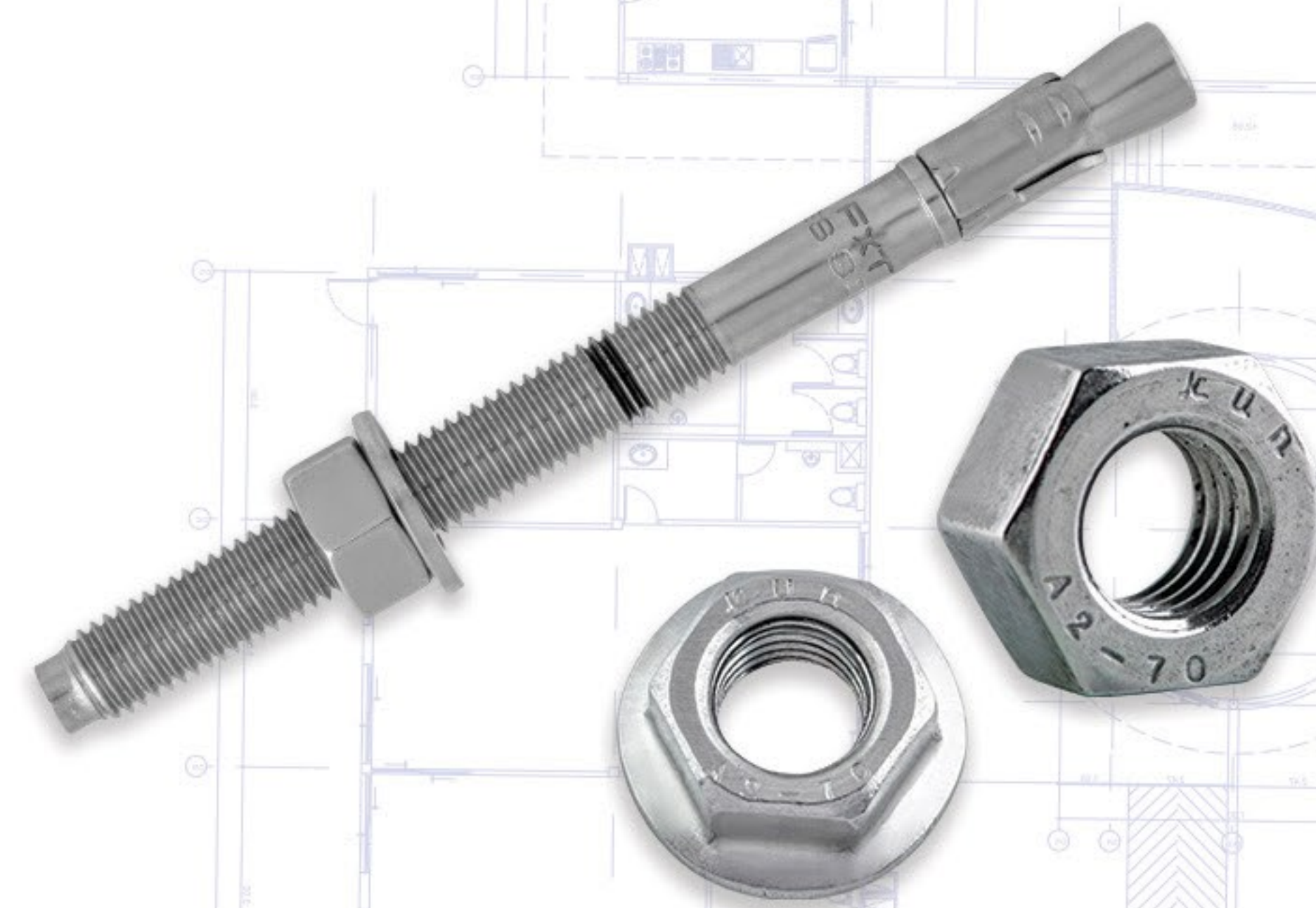
*Business as not just doing deals;
business is having great products,
doing great engineering and
giving customers more than
they expect.*

Easy Logistics

- Packaging for easy & safe transportation.
- Availability of stocks which reduces lead time.
- Packaging designed specifically for on-site storage and rough handling.

Value for Money

- Cost-effective pricing schemes with guaranteed Value-for-money returns.



Quality Policy

- ✓ Quality Objective of the Company is to become and remain our customer's "First Choice."
- ✓ Target to achieve maximum utilization of resources and value engineering.
- ✓ Commitment to work towards "Zero Defects" in our products.
- ✓ Promoting continuous quality improvement philosophy in our company.

Environmental Policy

Fixit regards climate change mitigation and environmental improvement as essential features of its sustainable business philosophy. We are committed to continuous benchmarking and enhancing our own environmental performance through the reduction of carbon and ecological footprints with our business associates and partners, thereby striving to be leaders in our industry sector and being responsible towards Mother Earth by controlling waste management & environmental issues.

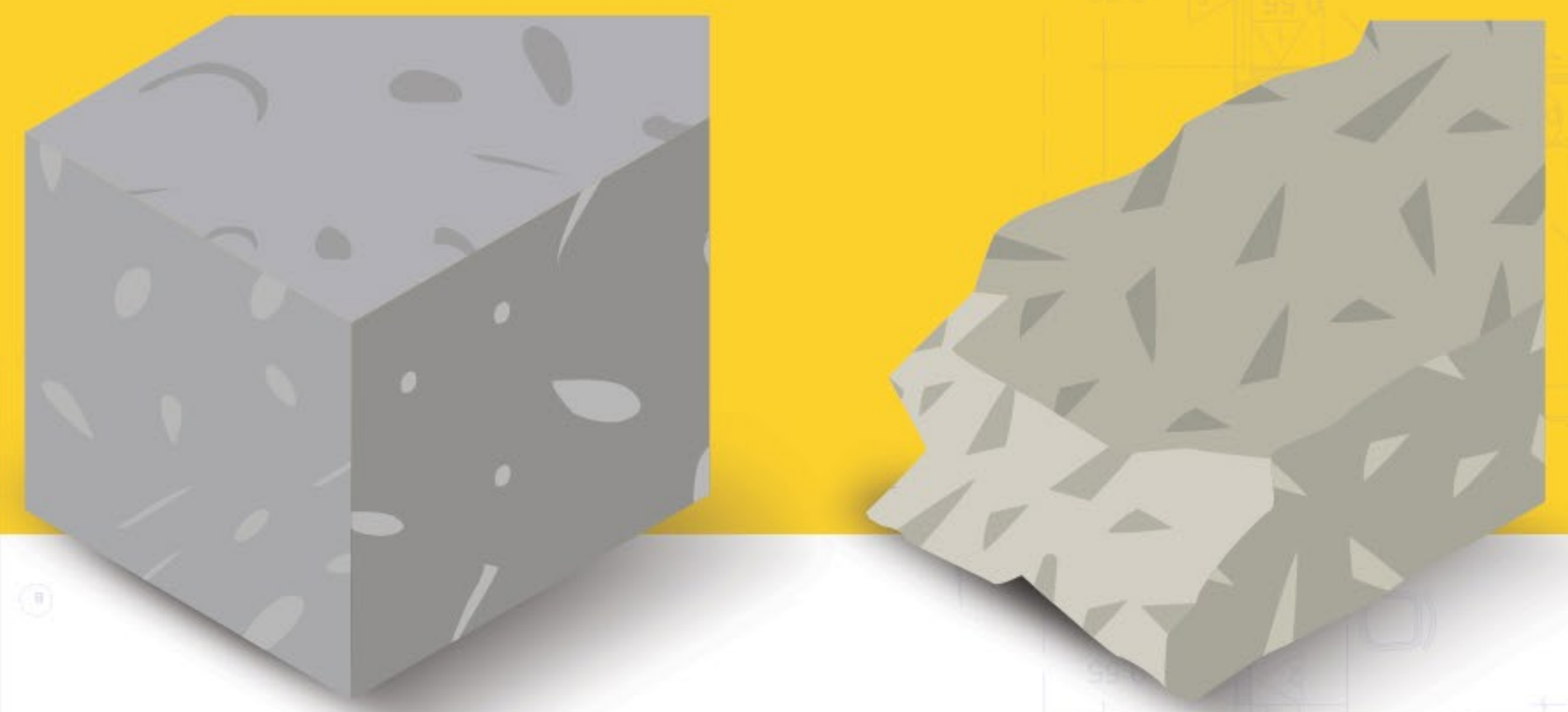


Version

- FXT SS304 Stainless Steel Wedge Anchor
- FXT SS316 Stainless Steel Wedge Anchor

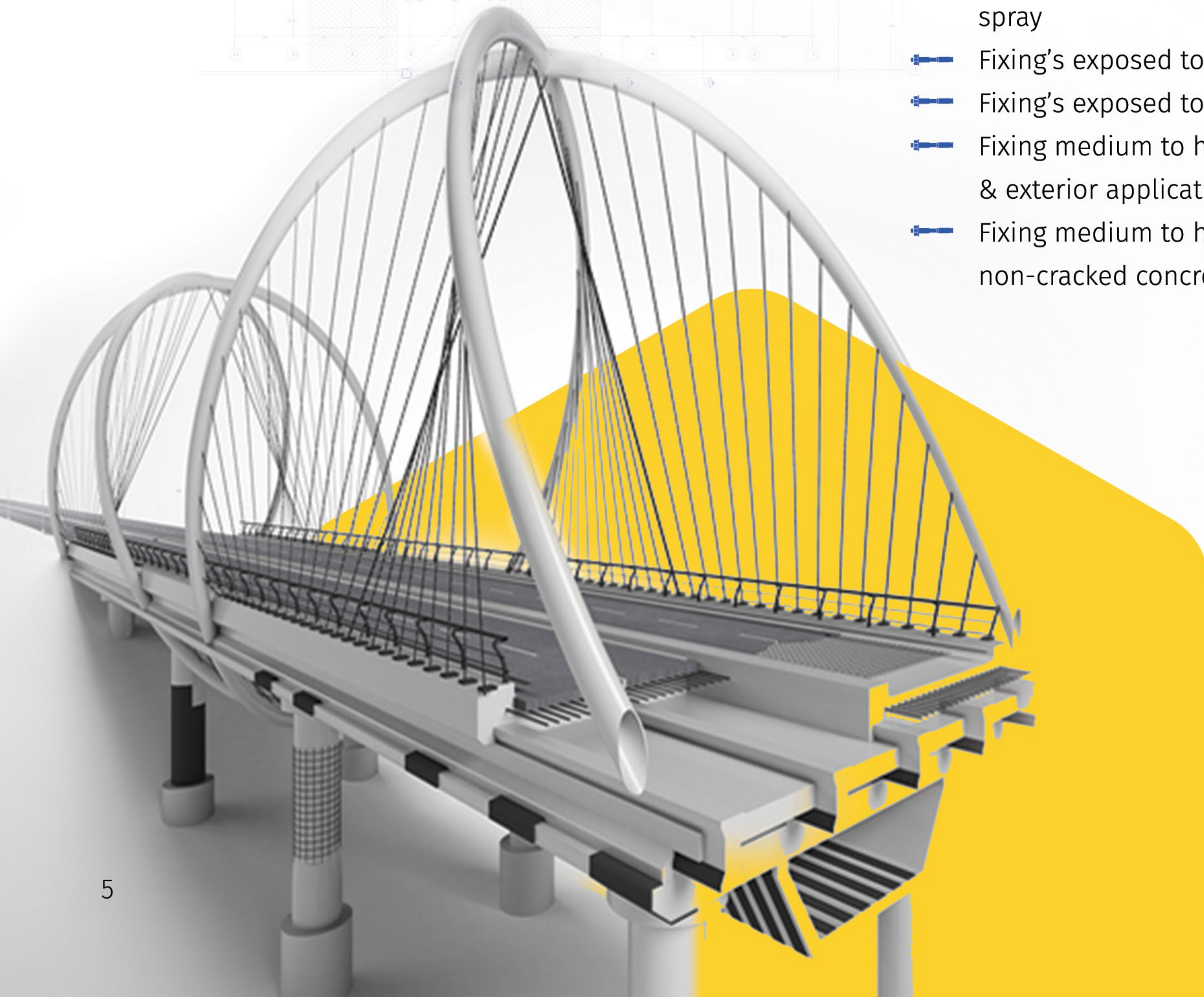
Base Material

- Non cracked concrete (M20/25 to M50/60)
- Natural Stone



Applicable Areas for use of FXT SS304 & SS316 Anchors

- Fixing medium to heavy loads in wet rooms or particular aggressive environments
- Fixing's exposed to continual immersion in seawater
- Fixing's exposed to intermittent seawater spray
- Fixing's exposed to chloride atmosphere
- Fixing's exposed to chemical exposure area
- Fixing medium to heavy fixtures for interior & exterior applications
- Fixing medium to heavy fixtures in non-cracked concrete



Advantages

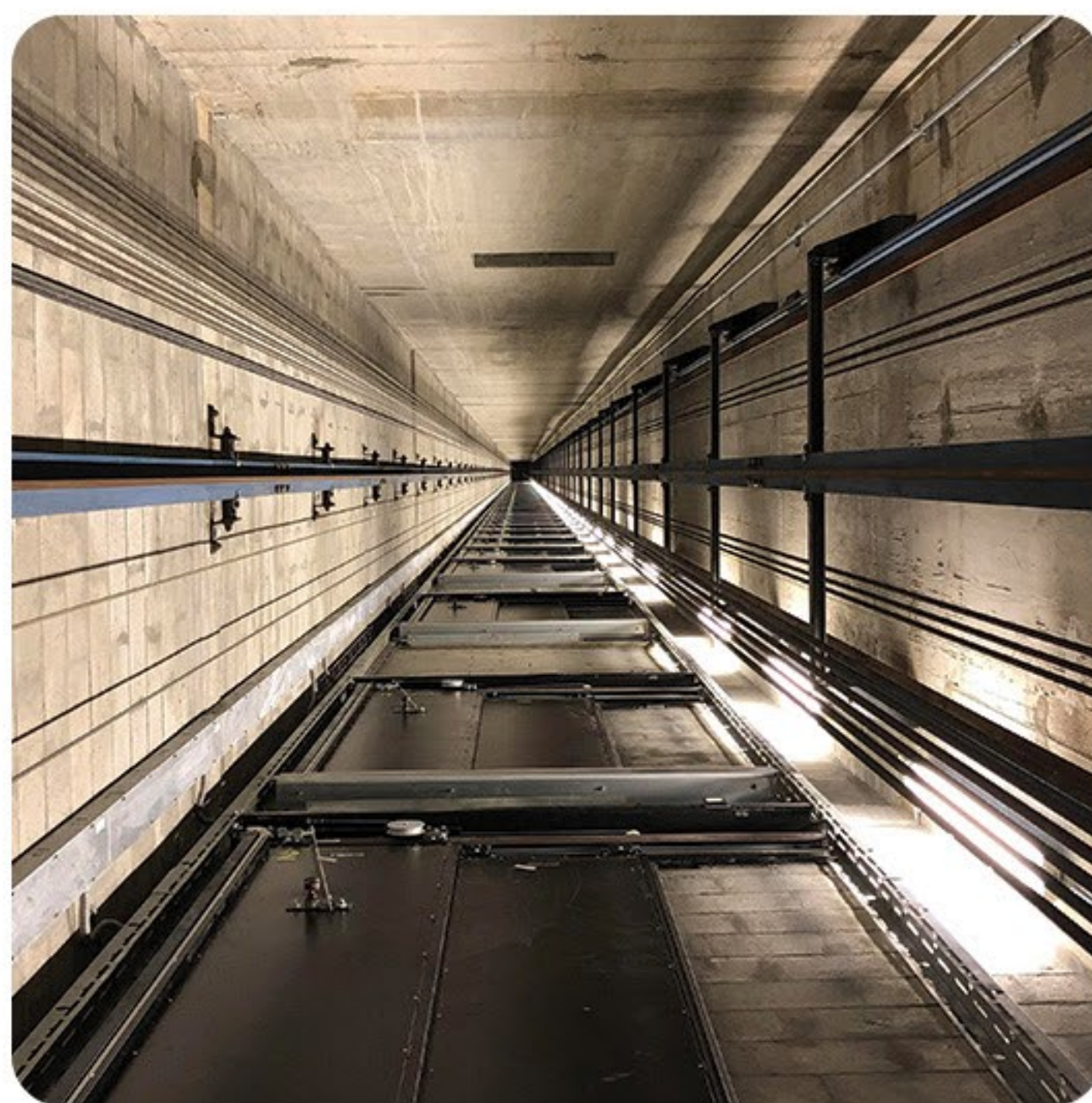
- ✓ High Strength Stainless Steel to avoid sudden shear failure
- ✓ Increased thickness of three expander segments
- ✓ Cold forged anchor body to prevent breakage during installation
- ✓ Suitable for use in compression resistant natural stone
- ✓ Two effective anchorage depths for greater flexibility
- ✓ Six teeth and anti-slip ridge to prevent slip during tightening
- ✓ Drill bit size is same as anchor bit size for easy installation

Applications

- Steel & timber structures
- Column base plates
- Seatings
- Barriers
- Cable racks
- Handrails
- Ladders
- Facade system
- Banister fixings
- Dry Cladding
- Structural glazing
- Elevator shafts



Seatings



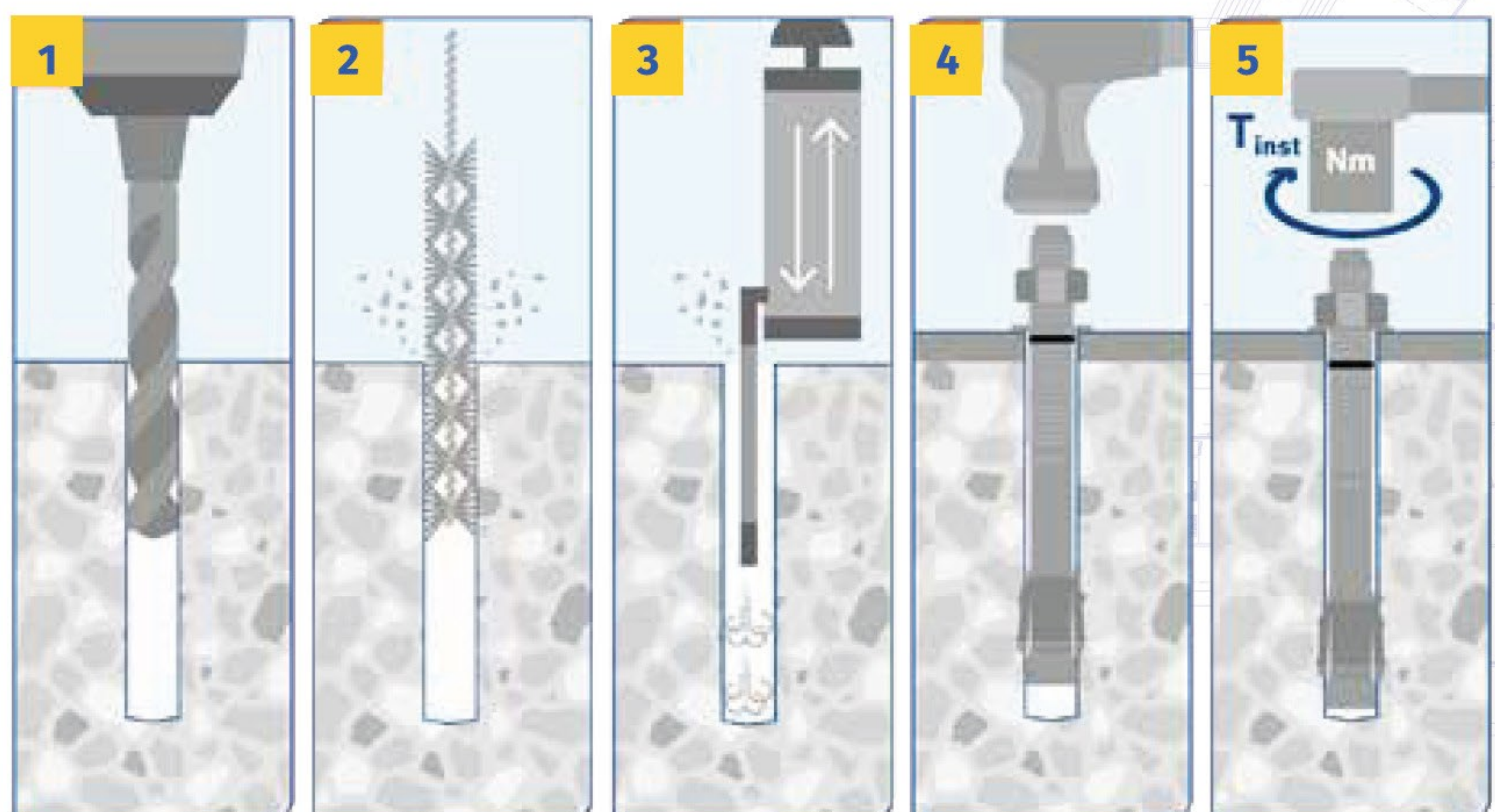
Elevator Shafts



Glazing

Installation

1. Drill a hole according to the product data.
- 2-3. Clean the hole using a blow-out pump.
4. Install anchor with a hammer or a setting tool.
5. Tighten the anchor to the specified installation torque



**FXT BELIEVES IN A
STRONGLY BONDED FUTURE**

Product Range

- FXT SS304 Stainless Steel Wedge Anchor
- FXT SS316 Stainless Steel Wedge Anchor

Standard Sizes of Anchor

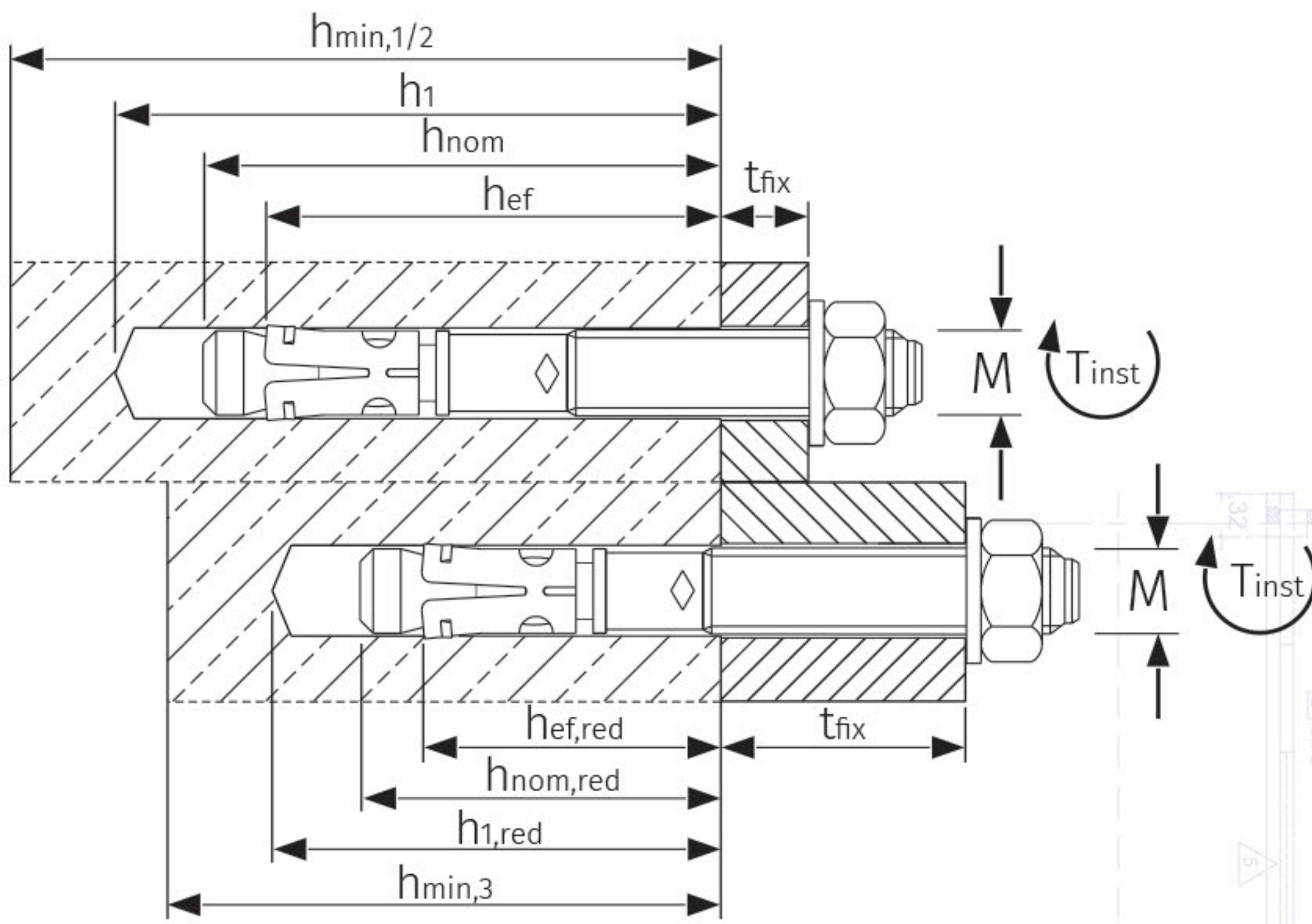
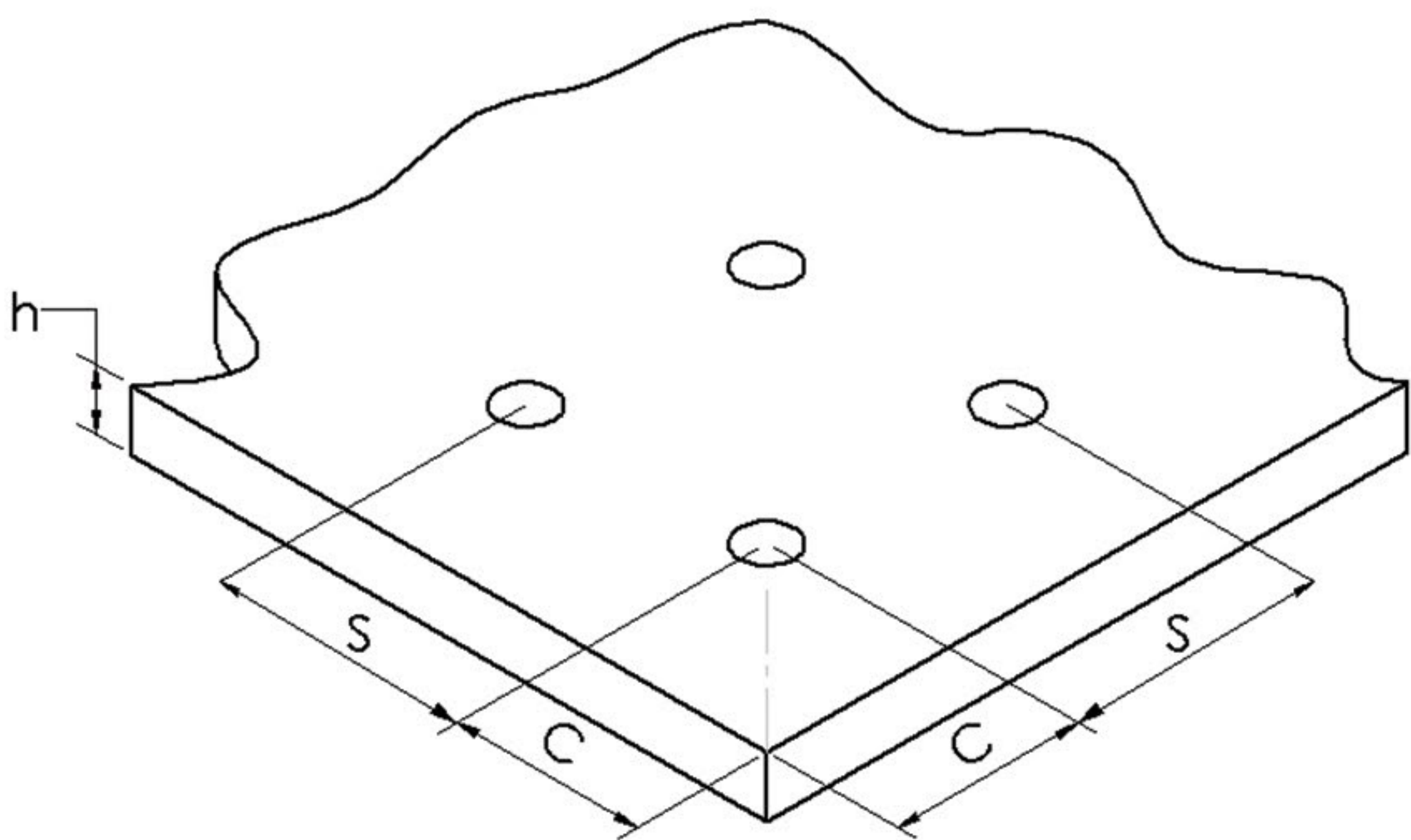
Description	Grades	Standard anchorage depth				Reduced anchorage depth				Anchor length	Thread	Washer	Retail Box Qty	Carton Box Qty
		Max Fixture	Drill hole \varnothing x depth	Setting depth	Anchorage depth	Max Fixture THK tfix	Drill hole \varnothing x depth	Setting depth	Anchorage depth					
		tfix	h1	hnom	hef	tfix	h1, red	hnom, red	hef, red					
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	pcs	pcs
FXT M8 x75	SS304 & SS316	10	8x55	50	40	20	8x45	40	30	75	M8x35	16x1.6	150	1200
FXT M8 x 100		35	8x55	50	40	45	8x45	40	30	100	M8x60	16x1.6	125	1000
FXT M10 x 90		12	10x70	61	50	20	10x60	51	40	90	M10x39	20x2	75	600
FXT M10 x 100		22	10x70	61	50	30	10x60	51	40	100	M10x49	20x2	75	600
FXT M10 x 125		47	10x70	61	50	55	10x60	51	40	125	M10x74	20x2	50	400
FXT M10 x 150		72	10x70	61	50	80	10x60	51	40	150	M10x99	20x2	50	400
FXT M12 x 100		5	12x85	77	65	15	12x70	62	50	100	M12x37	24x2.5	50	400
FXT M12 x 125		30	12x85	77	65	40	12x70	62	50	125	M12x62	24x2.5	50	400
FXT M12 x 150		55	12x85	77	65	65	12x70	62	50	150	M12x87	24x2.5	40	320
FXT M16 x 140		18	16x105	96	80	32	16x90	81	65	140	M16x59	30x3	20	160
FXT M16 x 150		28	16x105	96	80	42	16x90	81	65	150	M16x69	30x3	20	160

Special Sizes of Anchor

Description	Grades	Max Fixture	Drill hole \varnothing x depth	Setting depth	Anchorage depth	Anchor length	Thread	Retail Box Qty	Carton Box Qty
		tfix	h1	hnom	hef				
		mm	mm	mm	mm	mm	mm	pcs	pcs
FXT M10 x 75	SS304	15	10x55	46	35	75	M10x29	75	600
FXT M16 x 100	&	18	16x70	60	44	100	M16x40	25	200
FXT M16 x 125	SS316	27	16x85	76	60	125	M16x49	20	160

* 1 Set Anchor = Anchor Bolt + Hex Nut + Plain Washer

- * Flange Nut on demand
- * Special Anchor Length on demand
- * Plain Wide Washer asper Din 9021 available on demand



Load Details for Single Sleeve Anchor

Loads and performance data	FXT Stainless Steel Anchor		M8		M10		M12		M16
Standard Anchorage depth	hef	(mm)	40		50		65		80
Reduced Anchorage depth	hef, red	(mm)	30		40		50		65

Concrete (Non-cracked)									
Tensile Loads	C20/25	(kN)							
Approved loads, (Allowable)			2.2	3.3	4.1	6.1	6.1	9.1	12.4
Design Load			3.1	4.6	5.7	8.5	8.5	12.7	17.4
Characteristic Load			6.5	8.8	8.9	13	13.1	21.5	32.2
Mean Ultimate Load			8.3	11.2	11.3	16.5	16.6	27.3	40.9
Shear Loads	C20/25	(kN)							
Approved loads, (Allowable)			3.0	3.1	5.5	7.3	7.5	11.6	20.3
Design Load			4.2	4.3	7.7	10.2	10.5	16.2	28.4
Characteristic Load			6.9	7.2	10.2	15.5	15.6	23.2	46.7
Mean Ultimate Load			7.2	7.5	10.6	16.1	16.2	24.1	48.6
Tensile Loads	C25/30	(kN)							
Approved loads, (Allowable)			2.4	3.6	4.5	6.7	6.7	10.0	13.6
Design Load			3.4	5.1	6.3	9.4	9.4	14.0	19.1
Characteristic Load			7.2	9.7	9.8	14.3	14.4	23.7	35.4
Mean Ultimate Load			9.1	12.3	12.4	18.2	18.3	30.0	45.0
Shear Loads	C25/30	(kN)							
Approved loads, (Allowable)			3.3	3.4	6.1	8.0	8.3	12.7	22.3
Design Load			4.6	4.7	8.5	11.2	11.6	17.8	31.2
Characteristic Load			7.6	7.9	11.2	17.1	17.2	25.5	51.4
Mean Ultimate Load			7.9	8.2	11.7	17.7	17.8	26.5	53.4
Tensile Loads	C30/35	(kN)							
Approved loads, (Allowable)			2.7	4.0	5.0	7.4	7.4	11.1	15.1
Design Load			3.8	5.6	7.0	10.4	10.4	15.5	21.2
Characteristic Load			7.9	10.7	10.9	15.9	16.0	26.2	39.3
Mean Ultimate Load			10.1	13.6	13.8	20.1	20.3	33.3	49.9
Tensile Loads	C40/50	(kN)							
Approved loads, (Allowable)			3.1	4.7	5.8	8.6	8.6	12.8	17.5
Design Load			4.3	6.5	8.1	12.0	12.0	18.0	24.5
Characteristic Load			9.2	12.4	12.5	18.3	18.5	30.3	45.4
Mean Ultimate Load			11.6	15.8	15.9	23.3	23.5	38.5	57.7
Tensile Loads	C50/60	(kN)							
Approved loads, (Allowable)			3.4	5.1	6.4	9.5	9.5	14.1	19.2
Design Load			4.8	7.2	8.9	13.2	13.2	19.7	26.9
Characteristic Load			10.1	13.6	13.8	20.2	20.3	33.3	49.9
Mean Ultimate Load			12.8	17.3	17.5	25.6	25.8	42.3	63.4

NOTE Partial Safety Factor for the load action as regulated in the approval is taken as 1.4.Partial safety factor depends on the type of loading and Installation safety.

Spacing and edge distance									
Effective anchorage depth	hef	(mm)	30	40	40	50	50	65	80
Characteristic spacing	Scr,N	(mm)	120	120	150	150	195	195	240
Characteristic edge distance	Ccr,N	(mm)	60	60	75	75	97.5	97.5	120

Minimum spacing and edge distance for standard thickness of concrete member									
Non-cracked concrete									
Standard thickness of concrete slab	hmin,1	(mm)	80		100		130		160
Minimum spacing / for edge distance c	Smin / C	(mm)	40/60		50/75		65/100		80/120
Minimum edge distance / for spacing s	Cmin / S	(mm)	40/80		50/90		65/140		80/160

Installation parameters									
Drill hole diameter	do	(mm)	8		10		12		16
Cutting Diameter of drill bit	dcut ≤	(mm)	8.45		10.45		12.5		16.5
Diameter of clearance hole in the fixture	df ≤	(mm)	9		12		14		18
Depth of drill hole	h1 ≥	(mm)	45	55	60	70	70	85	90
Installation torque	Tinst	Nm	15		30		50		100
Width across nut	SW	(mm)	13		16		18		24

Above loads are subjected to
* Minimum Base material thickness
* Concrete as specified in this table
* Correct installation



Fixit Fasteniing

SOLID CONNECTION



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