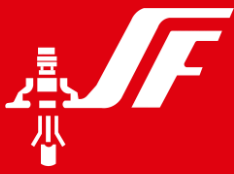




SHAKTI ASSOCIATES

"SHAKTI MEANS QUALITY, SHAKTI MEANS RELIABILITY."



ABOUT SHAKTI ASSOCIATES

- Shakti Associates was founded in **1976** by **Mr. Anant Limaye** a Civil Engineer and **Mr. Suresh Bapat**, a Mechanical Engineer.
- At the time when only imported fasteners were available in India, Shakti started manufacturing pin type anchor bolts and made its name as the most trusted brand in construction industries throughout India for decades.
- **Mr. Prakash Barve** joined in the 80s for active marketing and is still ably guiding the team.
- Currently, we have a strong technical team of Mechanical Engineers –**Karan Bapat**, **Kedar Tulpule** and **Kaustubh Kakatkar**.
- The team is focused on sustaining the quality of current products and developing new relevant ones.

CERTIFICATION AND APPROVALS

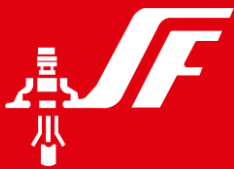
- We are **ISO 9001-2008** Certified by BMQR Chennai, India and accredited by American International Accreditation Organization.
- All products are CE certified for sale outside India
- Testing Setup is **ISO 9001-2008** certified.

QUALITY ASSURANCE BY IN-HOUSE MOBILE SAMPLE PULL-OUT TESTING SETUP



- We have a mobile Test-Setup with Hydraulic Pull Cylinder and some attachments for the respective sizes.
- This whole setup was developed in-house by Shakti engineers to check and analyze sample products after production.
- We have recently made this testing set-up portable, and this facility will be available to all customers on-site. *^

*^MOQ for on-site testing

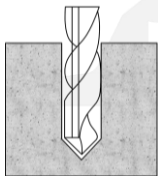


EXTERNAL THREADED / PIN TYPE FASTENERS

SPECIFICATIONS AND LOAD DATA

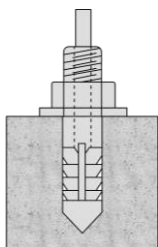
Sr. No.	Code	Size (in mm)		Average Loads (in Kgs.)	Minimum depth embedment
		Dia.	Length	Tensile (Pull out)	Recommended drilling length
1	SF -640	6	40	350	3 X Dia.
2	SF -650	6	50		
3	SF -840	8	40		
4	SF -850	8	50	750	
5	SF -860	8	60		
6	SF -1050	10	50		
7	SF - 1060	10	60	1250	3.5 X Dia.
8	SF - 1075	10	75		
9	SF - 10100	10	100		
10	SF - 1260	12	60		
11	SF - 1275	12	75	1750	
12	SF - 12100	12	100		
13	SF - 12125	12	125		
14	SF - 12150	12	150		
15	SF - 16100	16	100	2750	
16	SF - 16125	16	125		
17	SF - 16150	16	150		
18	SF - 16200	16	200		
19	SF - 20150	20	150	3870	
20	SF - 20200	20	200		

EASY 3 STEP INSTALLATION



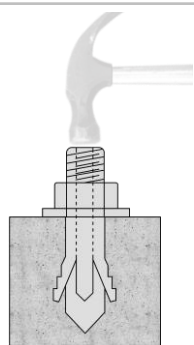
STEP 1

Drill a hole in the set concrete of the same diameter as the bolt diameter, with or without the fixture in position



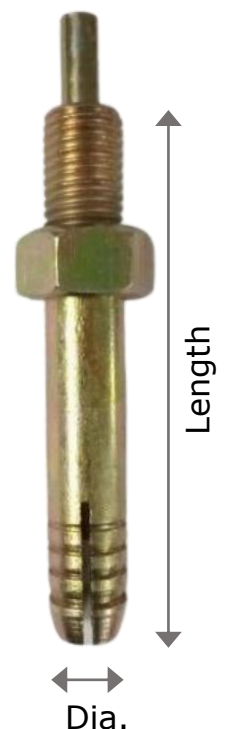
STEP 2

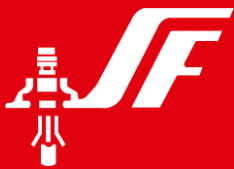
Insert Shakti Fastener in place, ensuring a minimum depth of embedment equal to 3.5 times of the bolt diameter.



STEP 3

Hammer the central pin till it flushes with the bolt head. The fastener is now firmly anchored and ready to take the load





WEDGE TYPE FASTENERS

SPECIFICATIONS AND LOAD DATA

Sr. No.	Code	Size (in mm)		Average Loads (in Kgs.)	Minimum depth embedment
		Dia.	Length	Tensile (Pull out)	Recommended drilling length
1	SFW -860	8	60	840	3.5 X Dia.
2	SFW -875	8	75		
3	SFW -8100	8	100		
4	SFW -8150	8	150		
5	SFW -1060	10	60	1620	3.5 X Dia.
6	SFW -1075	10	75		
7	SFW -1090	10	90		
8	SFW -10100	10	100		
9	SFW -10150	10	150		
10	SFW -1275	12	75	1980	4 X Dia.
11	SFW -12100	12	100		
12	SFW -12110	12	110		
13	SFW -12120	12	120		
14	SFW -12125	12	125		
15	SFW -12150	12	150		
16	SFW -12175	12	175		
17	SFW -12200	12	200		
18	SFW -16100	16	100	3150	4.5 X Dia.
19	SFW -16110	16	110		
20	SFW -16120	16	120		
21	SFW -16125	16	125		
22	SFW -16150	16	150		
23	SFW -16175	16	175		
24	SFW -16200	16	200		
25	SFW -19150	19	150	4000	4.5 X Dia.
26	SFW -19200	19	200		
27	SFW -19250	19	250		



EASY 3 STEP INSTALLATION

STEP 1

Drill a hole in the set concrete of the same diameter as the bolt diameter and clean it properly.

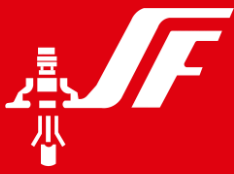
STEP 2

Insert the Shakti Fastener in place, tap the fastener gently by using small hammer

STEP 3

Start tightening the fastener. Finish the final tightening by applying little extra force (Torque)

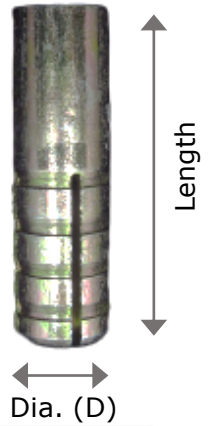
The fastener is now firmly anchored and ready to take the load



INTERNAL THREADS TYPE , BULLET TYPE FASTENERS & HOOKS

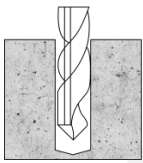
SPECIFICATIONS AND LOAD DATA

Sr. No.	Code	Size (in mm)		Suitable for threaded stud or bolt(d)	Average Loads Tensile(Pull out) In kgs.
		Outer Dia.(D)	Length	In mm	
Internal Threads Type Fastener					
1	SFIT -1035	10	35	6	1000
2	SFIT -1240	12	40	8	1250
3	SFIT -1445	14	45	10	1750
4	SFIT -1650	16	50	12	2200
5	SFIT -1960	19	60	16	3000
6	SFIT -2575	25	75	20	4500
Bullet Type Fastener					
1	SFB -825	8	25	6	400
2	SFB -1030	10	30	8	520
3	SFB -1240	12	40	10	750
4	SFB -1550	15	50	12	890
5	SFB -2065	20	65	16	1180



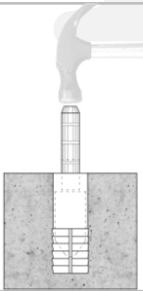
Internal Threads Type Fastener

EASY 3 STEP INSTALLATION OF INTERNAL THREADS & BULLET TYPE



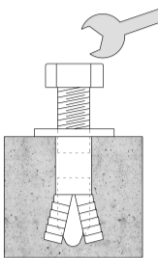
STEP 1

Drill a hole the same diameter as OD (D) of the fastener. The depth of the hole should be equal to the length (L) of the fastener



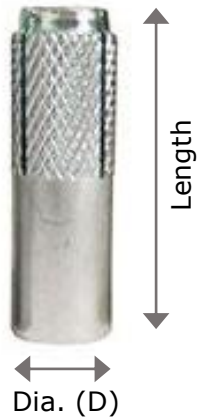
STEP 2

Insert the fastener and place the hammer set tool on the top of conical expander. Hammer the head of the hammer set tool as shown.



STEP 3

The anchor is now set to receive the bolt.



Bullet Type Fastener

FAN HOOK & SWING HOOK

- Mild steel heavy duty D-hook hanger specially designed to hang ceiling fans, swings, ropes etc.



OUR CUSTOMERS*



*Some are direct, and some are indirect



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