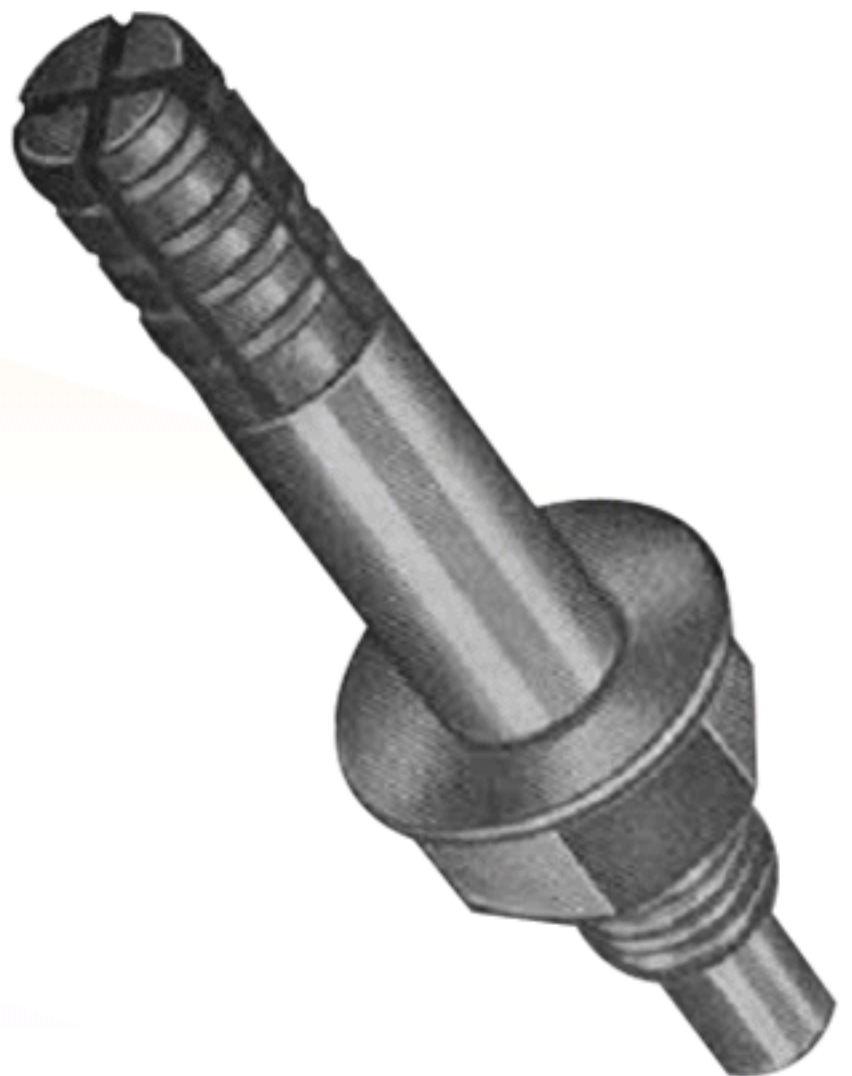
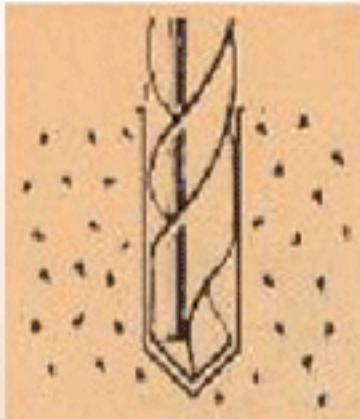




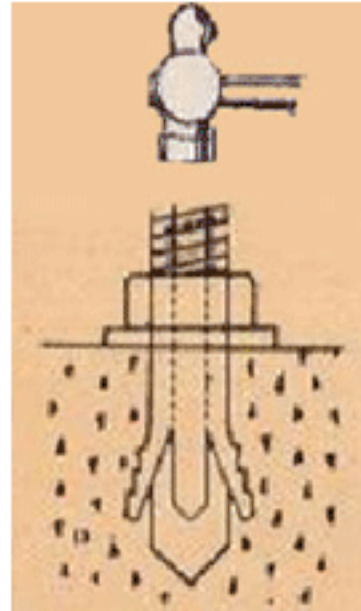
TAKAT
FASTENERS



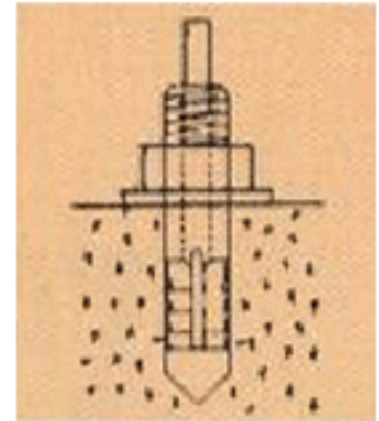
THREE STEPS INSTALLATION



Step1



Step3



Step2

Bolt size is hole size

1. Drill Hole to suitable length. Drill dia. equal to Bolt dia. Avoid higher dia drill.
2. Insert Bolt TF in place, ensuring a minimum depth of embedment of 3.5 times the Bolt dia.
3. Hammer central pin till it is flush with the bolt head

Note: harder media may prevent complete flushing of central pin after hammering.

Use rights design of TAKAT Fasteners for right application.

SPECIFICATION AND LOAD DATA FOR TAKAT FASTENERS

Sr No.	CODE	Type	Size		Average Loads*	
			Dia	Length	Tensile (Pullout)	Shear
1.	TF	635	6 mm	35 mm	350 Kgs	700 Kgs
2.	TF	840	8 mm	40 mm	750 Kgs.	1200 Kgs
3.	TF	850	8mm	50 mm		
4.	TF	1050	10 mm	50 mm	1250 Kgs	2000 Kgs
5.	TF	1060	10 mm	60mm		
6.	TF	1075	10 mm	75 mm		
7.	TF	10100	10 mm	100 mm		
8.	TF	1260	12 mm	60 mm	1750 Kgs	3000 Kgs
9.	TF	1275	12mm	75 mm		
10.	TF	12100	12 mm	100 mm		
11.	TF	12125	12 mm	125 mm		
12.	TF	16100	16 mm	100 mm	2750 Kgs	5000 Kgs
13.	TF	16125	16 mm	125 mm		
14.	TF	16150	16 mm	150 mm		
15.	TF	16200	16 mm	200 mm		
16.	TF	19150	19 mm	150 mm	3800 Kgs	7000 Kgs
17.	TF	19200	19 mm	200 mm		

* These test are carried out in house on m-150 concrete.

* Although test data for TF Bolts should be generally reliable. We are aware that some competitive showing of test data are that proof of performance be reliably established through your own individual testing, whenever job importance and magnitude requires absolute creatability.

Simpler, Quicker & cost effective in installation



IMPORTANT NOTES

- A Safety Factor of 1:4 for static and 1:8 for shock / dynamic load is recommended.
- A minimum distance equal to 12 times the diameter between two fasteners is advisable to prevent overstressing the concrete due to expansion pressures. Similarly, a distance from the edge equal to 6 times the diameter of the fasteners is advised.
- Take care to test TF fasteners under site conditions to satisfy the practical load application.

SALIENT FEATURES

- TF FASTENERS is new concept in fixture to wall, ceiling, concrete and such other varied media.
- These can be used for installation of machinery, Pump sets, Framers and shutters, Partitions, Pipe Lines, Pipe Lines, Elevators, Cable Tray brackets, Storage platforms etc.
- Size range available in right from 6mm to 20mm in diameters.
- Special sizes to meets specific needs can be supplied needs can be supplied. Please get in touch with us for further details.

USE GENUINE TAKAT FASTENERS

Manufactured by

Versatile Industries

**MFG.OF TAKAT FASTENERS & PRECISION TURNED
COMPONENTS**

**691/A/1B, PLOT NO. 7, Bibwewadi Industrial Estate, Pune
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