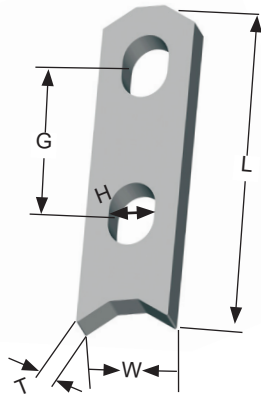


Flat Steel System



Two Hole Anchor

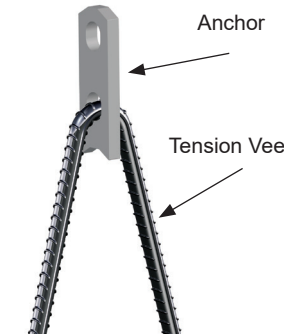
Lower hole accommodates rebar V's which are required to develop the SWL. Use only in tension.



TON	SYS CODE	ITEM CODE	ANCHOR LENGTH (L)	HOLE TO HOLE (G)	REBAR HOLE (H)	BODY THICK. (T)	BODY WIDTH (W)	SWL TENSION (LBS)	UML (LBS)
2	2.5	FTH02040	4"	2"	5/8"	3/8"	1-1/4"	4000	16000
2	2.5	FTH02028	2-3/4"	1-1/16"	9/16"	3/8"	1-1/4"	4000	16000
4	5	FTH04040	4"	1-7/8"	5/8"	5/8"	1-1/2"	8000	32000
4	5	FTH04055	5-1/2"	3"	11/16"	5/8"	1-1/2"	8000	32000
8	10	FTH08070	7"	3-1/2"	1"	3/4"	2-1/2"	16000	64000
22	22	FTH22118	11-3/4"	6-1/8"	1-1/2"	1"	3-3/4"	44000	176000

UML= Ultimate Mechanical Load

Safe working loads based on approximate 4:1 Safety Factor in 3,500 psi normal weight concrete.



V's are required to develop SWL.

TENSION VEES		REQUIRED TO DEVELOP REINFORCED ALLOWABLE TENSION CAPACITY						
		Concrete Strength [psi]						
Nominal System Capacity	Rebar Size	2,200	2,500	3,000	3,500	4,000	4,500	5,000
		Length of Rebar Before Bending [in]						
2 Ton	#3	33	32	29	27	25	24	24
4 Ton	#4	49	46	43	40	37	35	34
8 Ton	#6	67	63	58	54	51	48	46
10 Ton	#7	88	83	76	71	67	63	60
22 Ton	#9	150	141	129	120	113	107	102

Based on ACI 318-14 requirements.

For single bar application.

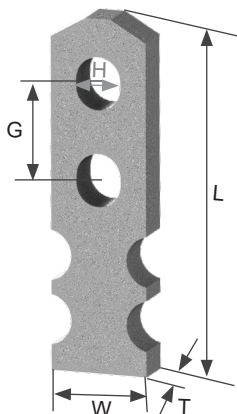
Multiply chart values by 1.3 for lightweight concrete.

Multiply chart values by 1.2 for epoxy coated bars.

Two Hole Tech Anchor

Indentations in the sides of the anchor increase bond to develop additional tensile capacity without the tension "V"s.

(Tension "V"s are still necessary to develop the full mechanical capacity of the anchor). Use only in tension.



TON	SYS CODE	ITEM CODE	ANCHOR LENGTH (L)	HOLE TO HOLE (G)	REBAR HOLE (H)	BODY THICK. (T)	BODY WIDTH (W)	SWL TENSION (LBS)	UML (LBS)
2	2.5	FTH-T02050	4-15/16"	2"	5/8"	3/8"	1-1/4"	4000	16000
4	5	FTH-T04055	5-7/16"	1-7/8"	5/8"	5/8"	1-1/2"	8000	32000

UML= Ultimate Mechanical Load

Safe working loads based on approximate 4:1 Safety Factor in 3,500 psi normal weight concrete.