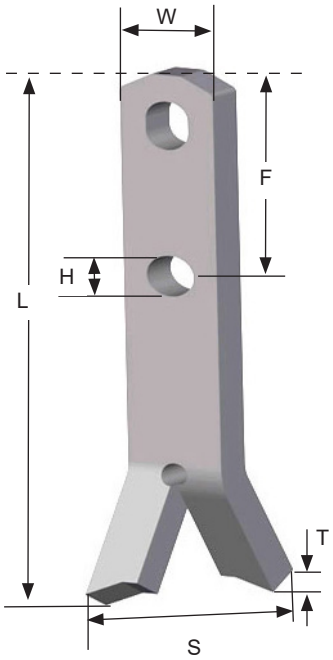
Flat Steel System

CONAC
Concrete Lifting Solutions

Spread Anchor

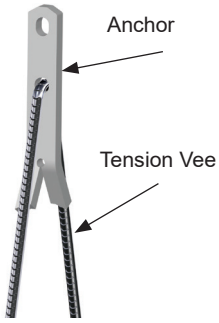
Used for both stripping and erecting. With proper edge distances can be pulled in any direction.



TON	SYS CODE	ITEM CODE	BODY LENGTH (L)	BODY WIDTH (W)	BODY THICK. (T)	BASE SPREAD (S)	HOLE LOCA. (F)	HOLE DIA. (H)	SWL TENSION (LBS)	UML (LBS)
1	2.5	FSP02048	4-3/4"	1-1/4"	3/16"	2-3/4"	N/A	N/A	**2000**	**8000**
2	2.5	FSP02040	4"	1-1/4"	3/8"	2-3/4"	N/A	N/A	**2530**	**16000**
2	2.5	FSP02055	5-1/2"	1-1/4"	3/8"	2-3/4"	N/A	N/A	**4000**	**16000**
4	5	FSP04040	4"	1-1/2"	1/2"	3-3/8"	N/A	N/A	**2670**	**24000**
4	5	FSP04048	4-3/4"	1-1/2"	1/2"	3-3/8"	N/A	N/A	**3590**	**24000**
4	5	FSP04068	6-3/4"	1-1/2"	1/2"	3-3/8"	3-3/4"	7/8"	**4960**	**32000**
4	5	FSP04063	6-1/4"	1-1/2"	5/8"	3-3/8"	3-3/4"	11/16"	**5850**	**32000**
4	5	FSP04095	9-1/2"	1-1/2"	5/8"	3-3/8"	3-3/4"	11/16"	**8000**	**32000**
6	10	FSP06110	11"	2-1/2"	5/8"	5-1/4"	5"	1"	**12000**	**48000**
8	10	FSP08110	11"	2-1/2"	3/4"	5-1/4"	5"	1"	**16000**	**64000**
16	22	FSP22150	15"	3-3/4"	1"	6-1/4"	7-1/2"	1-3/8"	**32800**	**176000**
22	22	FSP22189	18-7/8"	3-3/4"	1"	6-1/4"	13"	1-3/8"	**44000**	**176000**

UML= Ultimate Mechanical Load
Safe working loads based on aproximate 4:1 Safety Factor in 3,500 psi normal weight concrete.

V's are required to develop SWL.

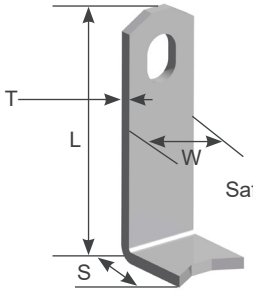


TENSION VEES	REQUIRED TO DEVELOP REINFORCED ALLOWABLE TENSION CAPACITY							
		Concrete Strength [psi]						
Nominal System Capacity	Rebar Size	2,200	2,500	3,000	3,500	4,000	4,500	5,000
		Length of Rebar Before Bending [in]						
2 Ton	#3	33	32	29	27	25	24	24
4 Ton	#4	49	46	43	40	37	35	34
8 Ton	#6	67	63	58	54	51	48	46
10 Ton	#7	88	83	76	71	67	63	60
16 Ton	#8	130	122	112	105	98	93	89
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.

L-Anchor

Used for back stripping precast panels.



TON	SYS CODE	ITEM CODE	ANCHOR LENGTH (L)	BODY WIDTH (W)	BODY THICK. (T)	FOOT LENGTH (S)	SWL TENSION (LBS)	UML (LBS)
1	2.5	FL 1-1/4"X4"	4"	1-1/4"	3/16"	1-1/2"	**2000**	**8000**

Safe working loads based on aproximate 4:1 Safety Factor in 3,500 psi normal weight concrete.
UML= Ultimate Mechanical Load