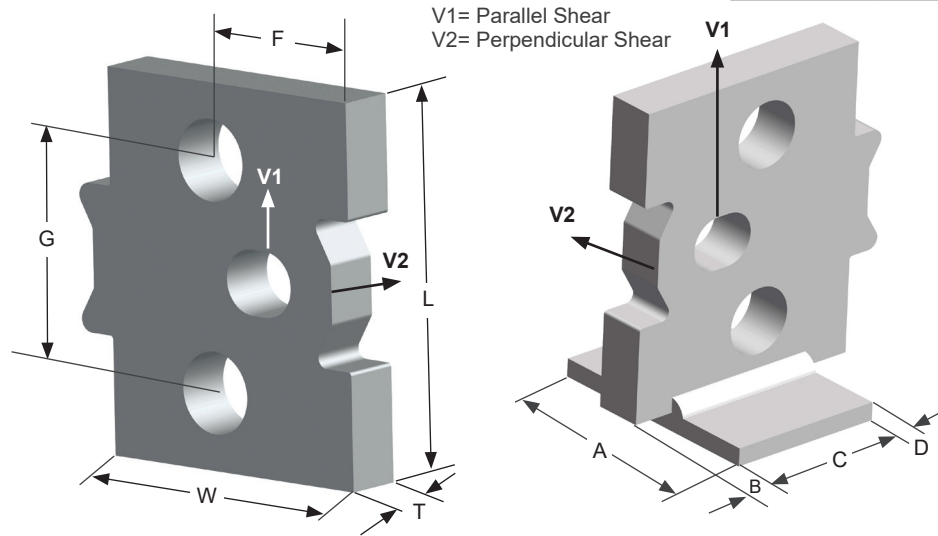


Flat Steel System

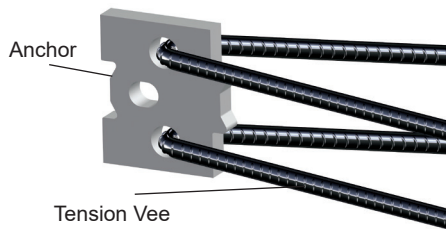
Insulated Panel Erection Anchor

Used for insulated/sandwich wall panels. Delivers load distribution to both wythes. Shear plate maximizes shear loads. Rebar Vees required to develop SWL.



TON	ITEM CODE	ANCH. LENG. (L)	ANCH. WIDTH (W)	THICK. (T)	HOLE LOCAT. (F)	HOLE CENT. (G)	PLATE WIDTH (A)	PLATE POS. (B)	PLATE LENG. (C)	PLATE THICK. (D)	UML TENS. (LBS)	SWL TENS. (LBS)	V1 SHEAR (LBS)	V2 SHEAR (LBS)
FOR 6" THICK PANEL 2+2+2														
4	FIN043X4	4"	3-3/8"	5/8"	2-1/4"	2-3/8"	n/a	n/a	n/a	n/a	32000	6400	3640	3700
4	FIN043X4S	4"	3-3/8"	5/8"	2-1/4"	2-3/8"	3"	1/2"	2"	1/4"	32000	6400	3605	3700
FOR 8" THICK PANEL 3+2+3														
4	FIN 043X6	6"	3-1/4"	5/8"	1-7/8"	4-3/8"	n/a	n/a	n/a	n/a	32000	8000	4600	8000
4	FIN043X6S	6"	3-1/4"	5/8"	1-7/8"	4-3/8"	3"	5/8"	2"	1/4"	32000	8000	4875	8000
8	FIN084X6	6"	4-3/4"	3/4"	3-3/8"	4-3/8"	n/a	n/a	n/a	n/a	64000	16000	4310	9500
8	FIN084X6S	6"	4-3/4"	3/4"	3-3/8"	4-3/8"	3"	3/4"	3-1/2"	3/8"	64000	16000	4409	9500
FOR 8" THICK PANEL 4+2+2														
4	FIN043X6	6"	3-1/4"	5/8"	1-7/8"	4-3/8"	n/a	n/a	n/a	n/a	32000	8000	5050	8000
4	FIN043X6S	6"	3-1/4"	5/8"	1-7/8"	4-3/8"	3"	5/8"	2"	1/4"	32000	8000	5350	8000
8	FIN084X6	6"	4-3/4"	3/4"	3-3/8"	4-3/8"	n/a	n/a	n/a	n/a	64000	16000	5110	10500
8	FIN084X6S	6"	4-3/4"	3/4"	3-3/8"	4-3/8"	3"	3/4"	3-1/2"	3/8"	64000	16000	5427	10500
FOR 9" THICK PANEL 3+3+3														
10	FIN084X7	7"	4-3/4"	3/4"	3-3/8"	5"	n/a	n/a	n/a	n/a	80000	20000	5210	10900
10	FIN084X7S	7"	4-3/4"	3/4"	3-3/8"	5"	8"	1"	3"	3/8"	80000	20000	5520	10900
FOR 10" THICK PANEL 3+4+3														
10	FIN084X8	8"	4-3/4"	3/4"	3-3/8"	6"	n/a	n/a	n/a	n/a	80000	20000	4910	9700
10	FIN084X8S	8"	4-3/4"	3/4"	3-3/8"	6"	8"	1"	3"	3/8"	80000	20000	5210	9700

Safe working loads based on approximate 4:1 Safety Factor in 3,500 psi (4,500 psi for 10T anchors) normal weight concrete. UML= Ultimate Mechanical Load



TENSION VEES	REQUIRED TO DEVELOP REINFORCED ALLOWABLE TENSION CAPACITY	Concrete Strength [psi]						
		2,200	2,500	3,000	3,500	4,000	4,500	5,000
Nominal System Capacity	Rebar Size							
		Length of Rebar Before Bending [in]						
4 Ton	2 #4s	37	35	32	30	30	30	30
6 Ton	2 #4s	55	52	48	45	42	40	38
8 Ton	2 #5s	59	56	51	48	45	43	41
9 Ton	2 #5s	67	75	69	65	61	58	55
10 Ton	2 #6s	63	59	54	51	48	45	43
12 Ton	2 #6s	75	71	65	61	57	54	52

Based on ACI 318-14 requirements.
For two-bar application.
Multiply chart values by 1.3 for lightweight concrete.
Multiply chart values by 1.2 for epoxy coated bars.