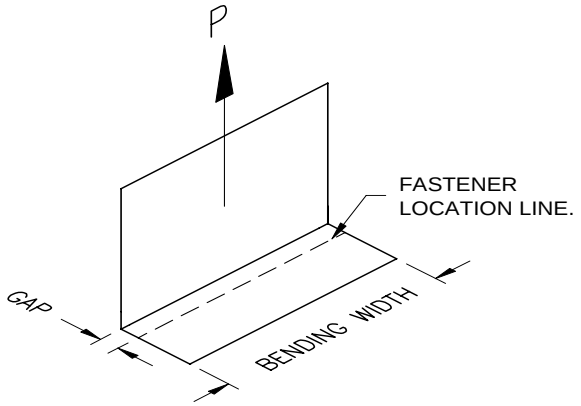
Clark Western Design LLC
20 Mansell Court East, Ste 350B, Roswell, GA 30076-4847
Phone (678) 990-3540 • Fax (678) 990-3542
Toll Free Phone (877) 832-3206 • Fax (877) 832-3208

CLIP ANGLE
BENDING CAPACITY



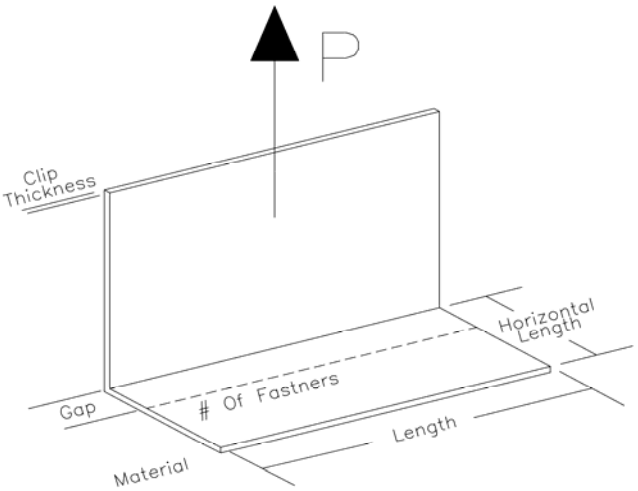
$P_{max\ (lbs)} = [(0.6*F_y)*(\text{Bending Width})*(t^2)] / [6*GAP]$

0.75 **Gap**

Bending Width	Yield Strength	33 mil 0.0346	43 mil 0.0451	54 mil 0.0566	68 mil 0.0713	97 mil 0.1017	118 mil 0.1242
1 1/2	33	8	13	21	34	68	102
1 1/2	50	12	20	32	51	103	154
2	33	11	18	28	45	91	136
2	50	16	27	43	68	138	206
3	33	16	27	42	67	137	204
3	50	24	41	64	102	207	309
4	33	21	36	56	89	182	271
4	50	32	54	85	136	276	411
5	33	26	45	70	112	228	339
5	50	40	68	107	169	345	514
6	33	32	54	85	134	273	407
6	50	48	81	128	203	414	617
7	33	37	63	99	157	319	475
7	50	56	95	149	237	483	720
8	33	42	72	113	179	364	543
8	50	64	108	171	271	552	823
9	33	47	81	127	201	410	611
9	50	72	122	192	305	621	926
10	33	53	89	141	224	455	679
10	50	80	136	214	339	690	1028
11	33	58	98	155	246	501	747
11	50	88	149	235	373	758	1131
12	33	63	107	169	268	546	814
12	50	96	163	256	407	827	1234

Clark Western Design LLC
20 Mansell Court East, Ste 350B, Roswell, GA 30076-4847
Phone (678) 990-3540 • Fax (678) 990-3542
Toll Free Phone (877) 832-3206 • Fax (877) 832-3208

Clip Tension Including Fasteners



Horizontal Length	2
Length	4
Gap	0.5
# Fastners	2
Clip Thickness	0.1017
Fy	50
Fastner Type	X-EDNI
Material Type	0.1875

Calculate

P (lbs)	**591**
	Bending of Angle Governs