

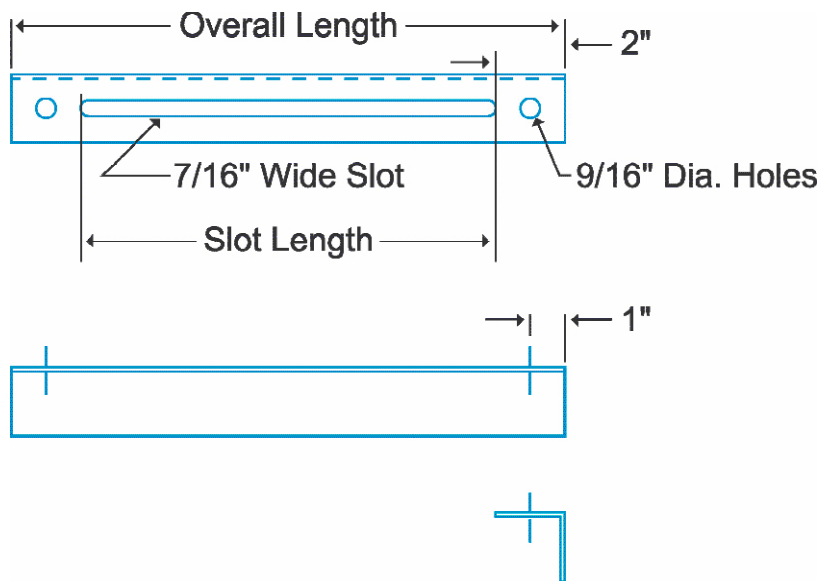
**GENERAL INFORMATION**

7/16" slot is centered in the horizontal leg.  
 Angle lengths that include '\*' use the double slot detail.  
 Angle lengths that include '#' use a triple slot detail (not shown) similar to the double slot detail.  
 Load ratings are listed for three materials having the following properties:

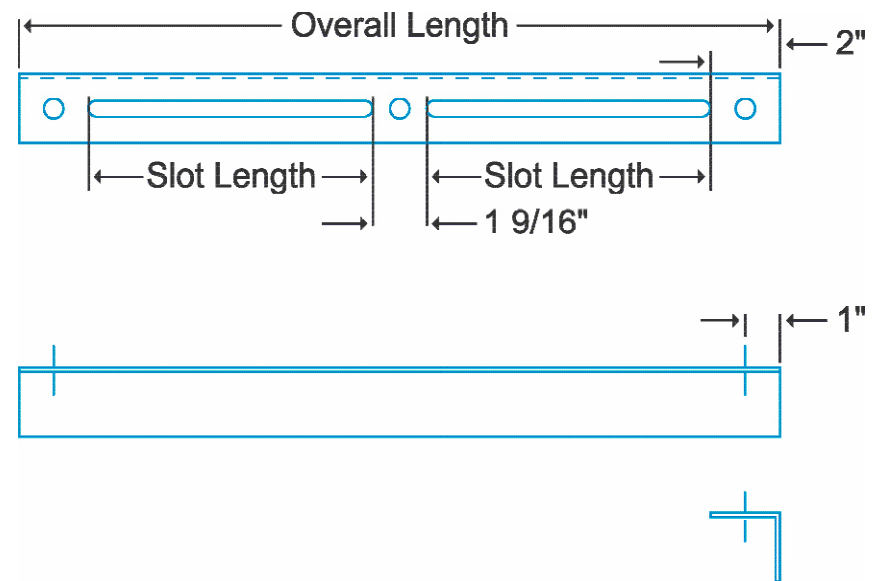
Material	Yield Stress (KSI)	Mod. of Elasticity (KSI)
A-36 Carbon Steel	36	29000
304 Stainless Steel	30	28100
6061-T6 Aluminum	37	10000

Load ratings are based on ASD, 9TH Edition, Section F1, however it is suggested that the loads in the tables be reduced by a Factor of Safety of 2 for safe performance.

**SINGLE SLOT ANGLE**



**DOUBLE SLOT ANGLE**



**ANGLE SIZE: L 2 X 2 X 3/16**

Section Properties of Reduced Section for Load and Deflection Rating			
Area	Moment of Inertia	Min. Section Mod.	Radius of Gyration
(lbs.)	(in.^4)	(in.^3)	(in.)
0.486	0.196	0.162	0.635

Material: A-36 (Carbon Steel) Hot-Dipped Galvanized

Overall Length	Max Point Load (LB)	Deflection (IN)	L/240 (LB)	L/360 (LB)	Max. Dist. Load (LB)	Deflection (IN)	L/240 (LB)	L/360 (LB)
16"	1001	0.0101	1001	1001	2002	0.0126	2002	2002
18"	876	0.0132	876	876	1752	0.0164	1752	1752
20"	778	0.0167	778	778	1557	0.0208	1557	1557
22"	701	0.0206	701	701	1401	0.0257	1401	1401
24"	637	0.0249	637	637	1274	0.0311	1274	1274
26"	584	0.0296	584	584	1168	0.0370	1168	1168
28"	539	0.0347	539	539	1078	0.0434	1078	1078
30"	482	0.0388	482	482	965	0.0486	965	965
32"	396	0.0392	396	396	792	0.0490	792	792
34"	323	0.0389	323	323	646	0.0486	646	646
* 36"	412	0.0594	412	412	824	0.0743	824	824
* 38"	389	0.0666	389	389	778	0.0833	778	778
* 40"	369	0.0742	369	369	738	0.0928	738	738
* 42"	350	0.0822	350	350	701	0.1028	701	701
* 44"	334	0.0907	334	334	667	0.1133	667	667
* 46"	318	0.0995	318	318	637	0.1244	637	626
* 48"	305	0.1088	305	305	609	0.1360	609	573
* 50"	292	0.1184	292	292	584	0.1480	584	526
* 52"	280	0.1285	280	280	561	0.1606	561	485
* 54"	269	0.1390	269	269	539	0.1737	539	448
# 56"	259	0.1499	259	259	519	0.1874	519	415
# 58"	250	0.1612	250	241	500	0.2015	500	386
# 60"	242	0.1729	242	225	483	0.2162	483	360

**ANGLE SIZE: L 2 X 2 X 3/16**

Section Properties of Reduced Section for Load and Deflection Rating			
Area	Moment of Inertia	Min. Section Mod.	Radius of Gyration
(lbs.)	(in.^4)	(in.^3)	(in.)
0.486	0.196	0.162	0.635

Material: A-479 304 (304 Stainless Steel)

Overall Length	Max Point Load (LB)	Deflection (IN)	L/240 (LB)	L/360 (LB)	Max. Dist. Load (LB)	Deflection (IN)	L/240 (LB)	L/360 (LB)
16"	834	0.0087	834	834	1668	0.0108	1668	1668
18"	730	0.0113	730	730	1460	0.0141	1460	1460
20"	649	0.0143	649	649	1297	0.0179	1297	1297
22"	584	0.0177	584	584	1168	0.0221	1168	1168
24"	531	0.0214	531	531	1062	0.0267	1062	1062
26"	487	0.0255	487	487	973	0.0318	973	973
28"	449	0.0299	449	449	898	0.0374	898	898
30"	417	0.0347	417	417	834	0.0433	834	834
32"	385	0.0393	385	385	769	0.0491	769	769
34"	323	0.0400	323	323	645	0.0500	645	645
* 36"	343	0.0511	343	343	687	0.0639	687	687
* 38"	324	0.0573	324	324	649	0.0716	649	649
* 40"	307	0.0638	307	307	615	0.0798	615	615
* 42"	292	0.0707	292	292	584	0.0884	584	584
* 44"	278	0.0780	278	278	556	0.0975	556	556
* 46"	265	0.0856	265	265	531	0.1070	531	531
* 48"	254	0.0935	254	254	508	0.1169	508	508
* 50"	243	0.1019	243	243	487	0.1273	487	487
* 52"	234	0.1105	234	234	467	0.1382	467	467
* 54"	225	0.1195	225	225	449	0.1494	449	434
# 56"	216	0.1289	216	216	432	0.1611	432	403
# 58"	209	0.1386	209	209	417	0.1733	417	374
# 60"	201	0.1487	201	201	403	0.1859	403	349

**ANGLE SIZE: L 2 X 2 X 3/16**

Section Properties of Reduced Section for Load and Deflection Rating			
Area	Moment of Inertia	Min. Section Mod.	Radius of Gyration
(lbs.)	(in.^4)	(in.^3)	(in.)
0.486	0.196	0.162	0.635

Material: 6061-T6 (Aluminum)

Overall Length	Max Point Load (LB)	Deflection (IN)	L/240 (LB)	L/360 (LB)	Max. Dist. Load (LB)	Deflection (IN)	L/240 (LB)	L/360 (LB)
16"	1029	0.0300	1029	1029	2057	0.0375	2057	2057
18"	900	0.0392	900	900	1800	0.0490	1800	1632
20"	800	0.0496	800	800	1600	0.0621	1600	1289
22"	720	0.0613	720	653	1440	0.0766	1440	1044
24"	655	0.0742	655	539	1309	0.0927	1295	863
26"	600	0.0883	600	453	1200	0.1103	1088	725
28"	554	0.1036	554	386	1108	0.1295	927	618
30"	485	0.1133	485	333	971	0.1417	799	533
32"	396	0.1137	396	290	792	0.1421	696	464
34"	323	0.1127	323	255	646	0.1408	612	408
* 36"	424	0.1771	339	226	847	0.2214	542	361
* 38"	400	0.1986	302	201	800	0.2482	484	322
* 40"	379	0.2212	271	181	758	0.2766	434	289
* 42"	360	0.2451	245	163	720	0.3064	392	261
* 44"	343	0.2703	222	148	686	0.3378	355	237
* 46"	327	0.2966	202	135	655	0.3708	324	216
* 48"	313	0.3242	185	123	626	0.4053	296	197
* 50"	300	0.3530	170	113	600	0.4413	272	181
* 52"	288	0.3830	157	104	576	0.4788	251	167
* 54"	277	0.4143	145	97	554	0.5179	232	154
# 56"	267	0.4468	134	90	533	0.5585	215	143
# 58"	257	0.4805	125	83	514	0.6006	200	133
# 60"	248	0.5154	116	78	497	0.6443	186	124

**ANGLE SIZE: L 2 X 2 X 1/4**

Section Properties of Reduced Section for Load and Deflection Rating			
Area	Moment of Inertia	Min. Section Mod.	Radius of Gyration
(lbs.)	(in.^4)	(in.^3)	(in.)
0.633	0.248	0.209	0.626

Material: A-36 (Carbon Steel) Hot-Dipped Galvanized

Overall Length	Max Point Load (LB)	Deflection (IN)	L/240 (LB)	L/360 (LB)	Max. Dist. Load (LB)	Deflection (IN)	L/240 (LB)	L/360 (LB)
16"	1292	0.0103	1292	1292	2583	0.0128	2583	2583
18"	1130	0.0134	1130	1130	2260	0.0168	2260	2260
20"	1005	0.0170	1005	1005	2009	0.0212	2009	2009
22"	904	0.0210	904	904	1808	0.0262	1808	1808
24"	822	0.0254	822	822	1644	0.0317	1644	1644
26"	753	0.0302	753	753	1507	0.0378	1507	1507
28"	691	0.0352	691	691	1382	0.0440	1382	1382
30"	572	0.0364	572	572	1145	0.0455	1145	1145
32"	465	0.0364	465	465	931	0.0455	931	931
34"	380	0.0361	380	380	760	0.0451	760	760
* 36"	532	0.0606	532	532	1064	0.0758	1064	1064
* 38"	502	0.0680	502	502	1005	0.0850	1005	1005
* 40"	476	0.0757	476	476	952	0.0947	952	952
* 42"	452	0.0839	452	452	904	0.1049	904	904
* 44"	431	0.0925	431	431	861	0.1156	861	861
* 46"	411	0.1015	411	411	822	0.1269	822	792
* 48"	393	0.1110	393	393	786	0.1387	786	724
* 50"	377	0.1208	377	377	753	0.1510	753	665
* 52"	359	0.1302	359	359	719	0.1628	719	613
* 54"	327	0.1334	327	327	654	0.1668	654	567
# 56"	335	0.1529	335	328	670	0.1911	670	526
# 58"	323	0.1644	323	305	646	0.2056	646	489
# 60"	312	0.1764	312	285	623	0.2205	623	456

**ANGLE SIZE: L 2 X 2 X 1/4**

Section Properties of Reduced Section for Load and Deflection Rating			
Area	Moment of Inertia	Min. Section Mod.	Radius of Gyration
(lbs.)	(in.^4)	(in.^3)	(in.)
0.633	0.248	0.209	0.626

Material: A-479 304 (304 Stainless Steel)

Overall Length	Max Point Load (LB)	Deflection (IN)	L/240 (LB)	L/360 (LB)	Max. Dist. Load (LB)	Deflection (IN)	L/240 (LB)	L/360 (LB)
16"	1076	0.0088	1076	1076	2153	0.0110	2153	2153
18"	942	0.0115	942	942	1883	0.0144	1883	1883
20"	837	0.0146	837	837	1674	0.0183	1674	1674
22"	753	0.0180	753	753	1507	0.0225	1507	1507
24"	685	0.0218	685	685	1370	0.0273	1370	1370
26"	628	0.0260	628	628	1256	0.0325	1256	1256
28"	580	0.0305	580	580	1159	0.0381	1159	1159
30"	538	0.0354	538	538	1076	0.0442	1076	1076
32"	457	0.0370	457	457	915	0.0462	915	915
34"	380	0.0373	380	380	760	0.0466	760	760
* 36"	443	0.0521	443	443	886	0.0652	886	886
* 38"	419	0.0584	419	419	837	0.0731	837	837
* 40"	397	0.0651	397	397	793	0.0814	793	793
* 42"	377	0.0722	377	377	753	0.0902	753	753
* 44"	359	0.0796	359	359	718	0.0994	718	718
* 46"	342	0.0873	342	342	685	0.1091	685	685
* 48"	328	0.0954	328	328	655	0.1193	655	655
* 50"	314	0.1039	314	314	628	0.1299	628	628
* 52"	301	0.1127	301	301	603	0.1409	603	594
* 54"	290	0.1219	290	290	580	0.1524	580	549
# 56"	279	0.1315	279	279	558	0.1644	558	509
# 58"	269	0.1414	269	269	538	0.1768	538	473
# 60"	260	0.1517	260	260	520	0.1896	520	441

**ANGLE SIZE: L 2 X 2 X 1/4**

Section Properties of Reduced Section for Load and Deflection Rating			
Area	Moment of Inertia	Min. Section Mod.	Radius of Gyration
(lbs.)	(in.^4)	(in.^3)	(in.)
0.633	0.248	0.209	0.626

Material: 6061-T6 (Aluminum)

Overall Length	Max Point Load (LB)	Deflection (IN)	L/240 (LB)	L/360 (LB)	Max. Dist. Load (LB)	Deflection (IN)	L/240 (LB)	L/360 (LB)
16"	1327	0.0306	1327	1327	2655	0.0383	2655	2655
18"	1161	0.0400	1161	1161	2323	0.0500	2323	2064
20"	1032	0.0506	1032	1019	2065	0.0633	2065	1631
22"	929	0.0625	929	826	1858	0.0781	1858	1321
24"	845	0.0756	845	682	1689	0.0946	1638	1092
26"	774	0.0900	774	573	1549	0.1125	1376	917
28"	698	0.1032	698	489	1396	0.1289	1173	782
30"	575	0.1061	575	421	1150	0.1327	1011	674
32"	465	0.1057	465	367	931	0.1321	881	587
34"	380	0.1047	380	323	760	0.1309	760	516
* 36"	547	0.1807	429	286	1093	0.2258	686	457
* 38"	516	0.2026	382	255	1032	0.2532	612	408
* 40"	489	0.2257	343	229	978	0.2821	549	366
* 42"	465	0.2501	310	206	929	0.3126	495	330
* 44"	442	0.2757	281	187	885	0.3446	449	300
* 46"	422	0.3026	256	171	845	0.3782	409	273
* 48"	404	0.3307	234	156	808	0.4134	375	250
* 50"	387	0.3601	215	143	774	0.4501	344	229
* 52"	363	0.3815	198	132	726	0.4769	317	211
* 54"	330	0.3898	183	122	659	0.4873	293	195
# 56"	344	0.4558	170	113	688	0.5697	272	181
# 58"	332	0.4901	158	105	664	0.6127	253	169
# 60"	320	0.5258	147	98	641	0.6572	236	157

**ANGLE SIZE: L 3 X 3 X 1/4**

Section Properties of Reduced Section for Load and Deflection Rating			
Area	Moment of Inertia	Min. Section Mod.	Radius of Gyration
(lbs.)	(in.^4)	(in.^3)	(in.)
1.008	0.927	0.500	0.959

Material: A-36 (Carbon Steel) Hot-Dipped Galvanized

Overall Length	Max Point Load (LB)	Deflection (IN)	L/240 (LB)	L/360 (LB)	Max. Dist. Load (LB)	Deflection (IN)	L/240 (LB)	L/360 (LB)
16"	3088	0.0066	3088	3088	6176	0.0082	6176	6176
18"	2702	0.0086	2702	2702	5404	0.0107	5404	5404
20"	2402	0.0109	2402	2402	4804	0.0136	4804	4804
22"	2162	0.0134	2162	2162	4323	0.0168	4323	4323
24"	1965	0.0162	1965	1965	3930	0.0203	3930	3930
26"	1801	0.0193	1801	1801	3603	0.0241	3603	3603
28"	1663	0.0227	1663	1663	3326	0.0283	3326	3326
30"	1544	0.0263	1544	1544	3088	0.0328	3088	3088
32"	1441	0.0302	1441	1441	2882	0.0377	2882	2882
34"	1351	0.0343	1351	1351	2702	0.0429	2702	2702
36"	1272	0.0387	1272	1272	2543	0.0484	2543	2543
38"	1201	0.0434	1201	1201	2402	0.0543	2402	2402
40"	1138	0.0484	1138	1138	2275	0.0605	2275	2275
42"	1081	0.0536	1081	1081	2162	0.0670	2162	2162
44"	1029	0.0591	1029	1029	2059	0.0739	2059	2059
46"	983	0.0649	983	983	1965	0.0811	1965	1965
* 48"	940	0.0709	940	940	1880	0.0887	1880	1880
* 50"	901	0.0772	901	901	1801	0.0965	1801	1801
* 52"	865	0.0838	865	865	1729	0.1047	1729	1729
* 54"	831	0.0906	831	831	1663	0.1133	1663	1663
* 56"	801	0.0977	801	801	1601	0.1222	1601	1601
* 58"	772	0.1051	772	772	1544	0.1314	1544	1544
* 60"	745	0.1128	745	745	1491	0.1409	1491	1491

**ANGLE SIZE: L 3 X 3 X 1/4**

Section Properties of Reduced Section for Load and Deflection Rating			
Area	Moment of Inertia	Min. Section Mod.	Radius of Gyration
(lbs.)	(in.^4)	(in.^3)	(in.)
1.008	0.927	0.500	0.959

Material: A-479 304 (304 Stainless Steel)

Overall Length	Max Point Load (LB)	Deflection (IN)	L/240 (LB)	L/360 (LB)	Max. Dist. Load (LB)	Deflection (IN)	L/240 (LB)	L/360 (LB)
16"	2573	0.0057	2573	2573	5147	0.0071	5147	5147
18"	2252	0.0074	2252	2252	4503	0.0092	4503	4503
20"	2002	0.0093	2002	2002	4003	0.0117	4003	4003
22"	1801	0.0115	1801	1801	3603	0.0144	3603	3603
24"	1638	0.0140	1638	1638	3275	0.0174	3275	3275
26"	1501	0.0166	1501	1501	3002	0.0208	3002	3002
28"	1386	0.0195	1386	1386	2771	0.0244	2771	2771
30"	1285	0.0226	1285	1285	2573	0.0283	2573	2573
32"	1201	0.0259	1201	1201	2402	0.0324	2402	2402
34"	1126	0.0295	1126	1126	2252	0.0369	2252	2252
36"	1060	0.0333	1060	1060	2119	0.0417	2119	2119
38"	1001	0.0374	1001	1001	2002	0.0467	2002	2002
40"	948	0.0416	948	948	1896	0.0520	1896	1896
42"	901	0.0461	901	901	1801	0.0577	1801	1801
44"	858	0.0509	858	858	1716	0.0636	1716	1716
46"	819	0.0558	819	819	1638	0.0698	1638	1638
* 48"	783	0.0610	783	783	1566	0.0762	1566	1566
* 50"	751	0.0664	751	751	1501	0.0830	1501	1501
* 52"	721	0.0721	721	721	1441	0.0901	1441	1441
* 54"	693	0.0779	693	693	1386	0.0974	1386	1386
* 56"	667	0.0841	667	667	1334	0.1051	1334	1334
* 58"	643	0.0904	643	643	1287	0.1130	1287	1287
* 60"	621	0.0970	621	621	1242	0.1212	1242	1242

ANGLE SIZE: L 3 X 3 X 1/4

Section Properties of Reduced Section for Load and Deflection Rating			
Area	Moment of Inertia	Min. Section Mod.	Radius of Gyration
(lbs.)	(in.^4)	(in.^3)	(in.)
1.008	0.927	0.500	0.959

Material: 6061-T6 (Aluminum)

Overall Length	Max Point Load (LB)	Deflection (IN)	L/240 (LB)	L/360 (LB)	Max. Dist. Load (LB)	Deflection (IN)	L/240 (LB)	L/360 (LB)
16"	3174	0.0196	3174	3174	6348	0.0245	6348	6348
18"	2777	0.0256	2777	2777	5554	0.0320	5554	5554
20"	2469	0.0324	2469	2469	4937	0.0405	4937	4937
22"	2222	0.0400	2222	2222	4443	0.0500	4443	4443
24"	2020	0.0484	2020	2020	4039	0.0604	4039	4039
26"	1851	0.0575	1851	1851	3703	0.0719	3703	3432
28"	1709	0.0675	1709	1709	3418	0.0844	3418	2924
30"	1587	0.0783	1587	1576	3174	0.0979	3174	2521
32"	1481	0.0899	1481	1373	2962	0.1124	2962	2196
34"	1389	0.1023	1389	1206	2777	0.1279	2777	1930
36"	1307	0.1155	1307	1069	2614	0.1444	2565	1710
38"	1234	0.1295	1234	953	2469	0.1618	2288	1525
40"	1169	0.1443	1169	856	2339	0.1803	2053	1369
42"	1111	0.1598	1111	772	2222	0.1998	1853	1235
44"	1058	0.1762	1051	700	2116	0.2203	1681	1121
46"	1010	0.1934	957	638	2020	0.2418	1532	1021
* 48"	966	0.2114	876	584	1932	0.2643	1401	934
* 50"	926	0.2302	804	536	1851	0.2877	1287	858
* 52"	889	0.2498	741	494	1777	0.3122	1186	791
* 54"	854	0.2701	685	457	1709	0.3377	1097	731
* 56"	823	0.2913	636	424	1646	0.3642	1017	678
* 58"	793	0.3133	591	394	1587	0.3916	945	630
* 60"	766	0.3361	551	367	1532	0.4201	881	588