



WHIRLWINDSTEEL

BUILDINGS & COMPONENTS

Steel - the larger the number the THINNER the material.

Nominal thickness is a RANGE or tolerance where thickness varies from coil to coil.

Minimal thickness is the specified thickness a coil may be before coating.

ASTM-AISI THICKNESS TOLERANCE RANGES

CARBON STEEL SHEETS

HOT ROLLED - H R P & O - COLD ROLLED

GAGE NO.	THICKNESS, INCHES		LBS. PER SQ. FT.
	DEC. EQUIV.	TOLER. RANGE	
4	.2342	.2152 - .2532	9.375
5	.2092	.1902 - .2282	8.75
6	.1843	.1653 - .2033	8.125
7	.1593	.1403 - .1783	7.5
8	.1344	.1154 - .1534	6.875
9	.1094	.0904 - .1284	6.25
10	.0845	.0655 - .1035	5.625
11	.0596	.0406 - .0786	5.0
12	.0347	.0157 - .0537	4.375
13	.0098	.0008 - .0388	3.75
14	.0049	.0009 - .0199	3.125
15	.0025	.0005 - .0105	2.812
16	.0013	.0003 - .0053	2.5
17	.0007	.0001 - .0031	2.25
18	.0004	.0001 - .0018	2.0
19	.0002	.0001 - .0010	1.75
20	.0001	.0001 - .0008	1.5
21	.0001	.0001 - .0006	1.375
22	.0001	.0001 - .0004	1.25
23	.0001	.0001 - .0003	1.125
24	.0001	.0001 - .0002	1.0
25	.0001	.0001 - .0001	.875
26	.0001	.0001 - .0001	.75
27	.0001	.0001 - .0001	.688
28	.0001	.0001 - .0001	.625
29	.0001	.0001 - .0001	.562
30	.0001	.0001 - .0001	.50

GALVANIZED STEEL SHEETS

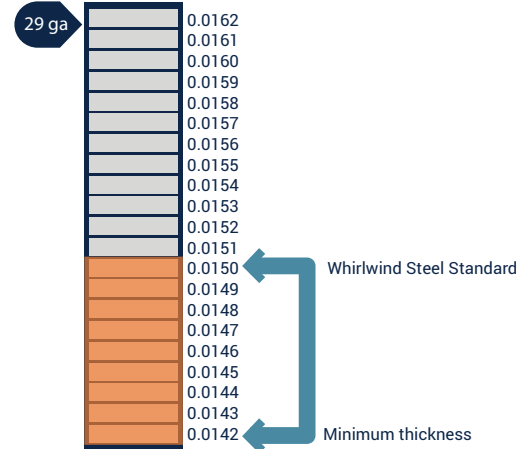
GAGE NO.	THICKNESS, INCHES		LBS. PER SQ. FT.
	DEC. EQUIV.	TOLER. RANGE	
10	.1382	.1292 - .1472	5.78125
11	.1233	.1143 - .1323	5.15625
12	.1084	.0994 - .1174	4.53125
13	.0934	.0844 - .1024	3.90625
14	.0785	.0695 - .0875	3.28125
15	.0710	.0620 - .0800	2.96875
16	.0635	.0545 - .0725	2.65625
17	.0575	.0485 - .0665	2.40625
18	.0516	.0426 - .0606	2.15625
19	.0456	.0366 - .0546	1.90625
20	.0396	.0306 - .0486	1.65625
21	.0336	.0246 - .0426	1.53125
22	.0276	.0186 - .0366	1.40625
23	.0216	.0126 - .0306	1.28125
24	.0156	.0066 - .0246	1.15625
25	.0096	.0006 - .0186	1.03125
26	.0036	.0001 - .0076	.90625
27	.0002	.0001 - .0012	.84375
28	.0001	.0001 - .0007	.78125
29	.0001	.0001 - .0004	.71875
30	.0001	.0001 - .0002	.65625

Various ASTM Specs for Steel Sheets

- A366 Cold Rolled Commercial Quality
- A569 Hot Rolled Commercial Quality
- A570 Hot Rolled Structural Quality
- A526 Zinc Coated Galvanized Steel
- ASTM A527 Galvanized
- A591 Electrolytically Zinc Plated

Whirlwind Steel standard for 29 gauge is .0150" Minimum thickness bare before paint is applied providing structurally strong high quality product second to none.

Many competitors use "nominal thicknesses" or "provide thinner product" sacrificing quality to drive down pricing.



ASTM-AISI THICKNESS TOLERANCE RANGES

CARBON STEEL SHEETS HOT ROLLED • HRP & O • COLD ROLLED

GAGE NO.	THICKNESS, INCHES			LBS. PER SQ. FT.
	DEC. EQUIV.	TOLER., RANGE		
		HR & P&O	CR	
4	.2242	.2332 .2152		9.375
5	.2092	.2182 .2002		8.75
6	.1943	.2033 .1853		8.125
7	.1793	.1873 .1713	.1883 .1703	7.5
8	.1644	.1724 .1564	.1734 .1554	6.875
9	.1495	.1575 .1415	.1585 .1405	6.25
10	.1345	.1425 .1265	.1405 .1285	5.625
11	.1196	.1276 .1116	.1256 .1136	5.0
12	.1046	.1126 .0966	.1106 .0986	4.375
13	.0897	.0967 .0837	.0947 .0847	3.75
14	.0747	.0817 .0677	.0797 .0697	3.125
15	.0673	.0733 .0613	.0723 .0623	2.812
16	.0598	.0658 .0538	.0648 .0548	2.5
17	.0538	.0598 .0478	.0548 .0498	2.25
18	.0478	.0528 .0428	.0518 .0438	2.0
19	.0418	.0478 .0378	.0458 .0378	1.75
20	.0359	.0389 .0329	.0389 .0329	1.5
21	.0329	.0359 .0299	.0359 .0299	1.375
22	.0299	.0299 .0269	.0329 .0269	1.25
23	.0269	.0269 .0239	.0299 .0239	1.125
24	.0239	.0239 .0209	.0269 .0209	1.0
25	.0209	.0209 .0179	.0239 .0179	.875
26	.0179	.0179 .0159	.0199 .0159	.75
27	.0164	.0164 .0144	.0184 .0144	.688
28	.0149	.0149 .0129	.0169 .0129	.625
29	.0135	.0135 .0115	.0155 .0115	.562
30	.0120	.0120 .0110	.0130 .0110	.50

GALVANIZED STEEL SHEETS

GAGE NO.	THICKNESS, INCHES		TOLER., RANGE	LBS. PER SQ. FT.
	DEC. EQUIV.	TOLER., RANGE		
10	.1382	.1472 .1292	.1472 .1292	5.78125
11	.1233	.1323 .1143	.1323 .1143	5.15625
12	.1084	.1174 .0994	.1174 .0994	4.53125
13	.0934	.1014 .0854	.1014 .0854	3.90625
14	.0785	.0865 .0705	.0865 .0705	3.28125
15	.0710	.0770 .0650	.0770 .0650	2.96875
16	.0635	.0695 .0575	.0695 .0575	2.65625
17	.0575	.0625 .0525	.0625 .0525	2.40625
18	.0516	.0566 .0466	.0566 .0466	2.15625
19	.0456	.0506 .0406	.0506 .0406	1.90625
20	.0396	.0436 .0356	.0436 .0356	1.65625
21	.0366	.0406 .0326	.0406 .0326	1.53125
22	.0336	.0376 .0296	.0376 .0296	1.40625
23	.0306	.0346 .0266	.0346 .0266	1.28125
24	.0276	.0316 .0236	.0316 .0236	1.15625
25	.0247	.0287 .0207	.0287 .0207	1.03125
26	.0217	.0247 .0187	.0247 .0187	.90625
27	.0202	.0232 .0172	.0232 .0172	.84375
28	.0187	.0217 .0157	.0217 .0157	.78125
29	.0172	.0202 .0142	.0202 .0142	.71875
30	.0157	.0187 .0127	.0187 .0127	.65625

Various ASTM Specs for Steel Sheets

- A366** Cold Rolled Commercial Quality
- A569** Hot Rolled Commercial Quality
- A570** Hot Rolled Structural Quality
- A526** Zinc Coated (Galvanized) Steel
- A526/A527** Galvanneal
- A591** Electrolytically Zinc Plated