

Sizes	Thickness	Weight	Pieces	Sizes	Thickness	Weight	Pieces	Sizes	Thicknes	Weight	Pieces	Sizes	Thickness	Weight	Pieces/
Inch	Inch	lb/ft	/Bdls	Inch	Inch	lb/ft	/Bdls	Inch	Inch	lb/ft	/Bdls	Inch	Inch	lb/ft	Bdls
3/4" x 3/4"	0.065	0.605	150	2" X 2"	0.065	1.710	49	3 1/2" X 3 1/2"	0.083	3.803	36	6" X 6"	0.188	14.530	9
	0.072	0.663	150		0.072	1.890	49		0.090	4.200	36		0.203	15.640	9
	0.080	0.748	150		0.080	2.109	49		0.095	4.320	36		0.250	19.020	9
	0.083	0.752	150		0.083	2.160	49		0.109	4.920	36		0.313	23.340	6
	0.090	0.832	150		0.090	2.363	49		0.120	5.600	36		0.375	27.480	6
	0.095	0.873	150		0.095	2.460	49		0.134	5.981	25		0.500	35.200	4
	0.109	0.986	100		0.109	2.800	36		0.148	6.550	25		0.188	19.630	6
	0.120	1.071	100		0.120	3.070	36		0.188	8.150	20		0.203	21.160	6
1" X 1"	0.065	0.826	100	2 1/2" X 2 1/2"	0.134	3.240	36	4" X 4"	0.203	8.740	20	8" X 8"	0.250	25.820	4
	0.072	0.908	100		0.148	3.541	36		0.250	10.510	16		0.313	31.840	4
	0.080	1.020	100		0.188	4.320	25		0.313	13.862	12		0.375	37.690	4
	0.083	1.040	100		0.203	4.603	25		0.083	4.360	25		0.500	48.900	2
	0.090	1.138	80		0.250	5.410	25		0.090	4.813	25		0.188	24.770	4
	0.095	1.169	80		0.065	2.120	49		0.095	4.973	25		0.203	26.680	4
	0.109	1.321	80		0.072	2.332	49		0.109	5.660	20		0.250	32.600	4
	0.120	1.435	64		0.080	2.653	49		0.120	6.460	20		0.313	40.370	4
1 1/2" X 1 1/2"	0.134	1.583	64	3" X 3"	0.083	2.668	49	5" X 5"	0.134	6.890	20	10" X 10"	0.375	47.850	2
	0.065	1.269	80		0.090	2.975	36		0.148	7.560	20		0.500	62.400	2
	0.072	1.434	80		0.095	3.031	36		0.188	9.420	16				
	0.080	1.565	80		0.109	3.440	36		0.203	10.120	16				
	0.083	1.599	80		0.120	3.900	36		0.250	12.210	12				
	0.090	1.751	64		0.134	4.159	25		0.313	14.830	9				
	0.095	1.815	64		0.148	4.540	25		0.375	17.270	9				
	0.109	2.062	64		0.188	5.590	25		0.500	21.600	9				
1 3/4" X 1 3/4"	0.120	2.252	49	3 1/2" X 3 1/2"	0.203	5.980	20	4" X 4"	0.109	7.290	16	6" X 6"	0.109	7.290	16
	0.134	2.332	49		0.250	7.110	20		0.120	8.012	16		0.120	8.012	16
	0.148	2.533	49		0.083	3.240	36		0.134	8.926	16		0.148	9.837	12
	0.188	3.040	49		0.090	3.588	36		0.148	9.837	12		0.188	11.970	12
	0.065	1.489	80		0.095	3.670	36		0.188	11.970	12		0.203	12.880	12
	0.072	1.675	80		0.109	4.180	36		0.203	12.880	12		0.250	15.620	12
	0.080	1.837	80		0.120	4.750	36		0.313	19.080	9		0.375	22.370	9
	0.083	1.882	80		0.134	5.073	25		0.500	28.400	9				
0.090	2.057	64	0.148	5.550	25										
0.095	2.138	64	0.188	6.870	25										
0.109	2.432	64	0.203	7.360	20										
0.120	2.660	49	0.250	8.810	20										
0.134	2.945	49													
0.148	3.323	49													

TOLERANCES

Permissible variations in outside flat dimensions as below:

- 2 1/2" (65mm) or under = ± 0.50mm (0.020 Inch)
- Greater than 2 1/2" to 3 1/2" = ± 0.60mm (0.025 Inch)
- Greater than 3 1/2" to 5 1/2" = ± 0.80mm (0.030 Inch)
- Greater than 5 1/2" = 0.01 times of large flat dimension.

Minimum wall thickness - 10% of specified (Applicable to the centers of the flats)

PROPERTIES

- a) Chemical = (Max.) C-0.30%, Mn-1.40%, S-0.045%, P-0.045%, Cu-0.18% min., (For A,B & D type)
C - 0.27%, Mn - 1.40%, S - 0.045%, P - 0.045%, Cu - 0.18% min., (For C Type)
 - b) Mechanical = (Min.) For Grade A = UTS - 310 Mpa (45000 PSI), YS - 270 Mpa (39000 PSI) & Elongation - 25%
For Grade B = UTS - 400 Mpa (58000 PSI), YS - 315 Mpa (46000 PSI) & Elongation - 23%
For Grade C = UTS - 425 Mpa (62000 PSI), YS - 345 Mpa (50000 PSI) & Elongation - 21%
For Grade D = UTS - 400 Mpa (58000 PSI), YS - 250 Mpa (36000 PSI) & Elongation - 23%
- Color marked sizes can also be manufactured in Pre-Galvanized with zinc coating Z275 (275grn/m²)

RADIUS OF CORNER

: 3 times the nominal wall thickness (Maximum)

STRAIGHTNESS:

1/8" times the number of feet of total length divided by 5.

WORKMANSHIP:

Free from overlap, lamination, tool / roll marks, pin holes, open seams & other harmful defects.

PACKING

: Box type.

MARKING

: We can do on line stenciling as per this standard & as per customer needs at one meter interval