

FANS & BLOWERS PRODUCT

Product Catalog



FANS & BLOWERS

PRODUCT CATALOG

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American Fan Overview

American Fan provides air movement solutions with Axial and Centrifugal Fans and Blowers for industrial, commercial and marine/offshore applications worldwide. We are the primary supplier of shock-qualified fans for U.S. Navy surface ships, and its products and services are specified in 30 U.S. Navy shipbuilding programs, including LCS, LPD, LHA, DDG, and FFG. We understand the needs of the modern

marine and naval industry, and the requirements of the consulting engineers and contractors who serve it. Additionally, our industrial centrifugal fans meet the needs of customers in a wide variety of industries, but not limited to, aviation, boiler/furnace, conveyance and textile.

FMD – Overview

Stacking the decks with best-in-class marine technologies and service solutions. Fairbanks Morse Defense has mastered that balance over more than a century, configuring the delivery of every customer engagement to meet the needs of the moment. We deliver an advantage to the U.S. Fleet with a growing array of best-in-class marine technologies, OEM parts, and turnkey services – all from a single, trusted source.



Facilities Overview

Manufacturing & Machining Capabilities

Our fan and blower products are manufactured in our 127,000 sq. ft. facility in Fairfield, Ohio. Our key capabilities at this facility include cutting, fabricating, welding, painting, assembly, and testing. With state-of-the-art equipment and testing laboratory, American Fan is positioned to support the defense industry.

Facility Highlights:

- 191,000 sq. ft.
- Test Laboratory Accredited to AMCA 210

Key Capabilities:

- Laser & High Definition Plasma Cutting
- Flange Rolling & Punching Machines
- 18 Welding Booths, Plus Automated Seam Welding
- Combined Wet Coat & Power Coat Paint Line
- Dedicated Assembly Cells for Navy, Commercial Marine, and Industrial Products
- Final Trim Balance & Mechanical Run Testing

Our Locations



-  Service Centers
-  Manufacturing Facilities
-  International Service Partners

Fairbanks Morse Defense

701 White Avenue

Beloit, WI 53511

Phone: 1-800-356-6955

www.FairbanksMorseDefense.com

American Fan

Phone: 1-866-771-6266

Federal Equipment Co.

Phone: 1-877-435-4723

Hunt Valve Company

Phone: 1-800-321-2757

Maxim Watermakers

Phone: 1-318-629-2460

Research Tool & Die Works

Phone: 1-310-639-5722

Ward Leonard

Phone: 1-860-283-5801

Welin Lambie

Phone: +44 1384-78294

INDUSTRIAL SOLUTIONS

INDUSTRIAL SOLUTIONS

Product Specifications

- Axial & Centrifugal
- Temps = Up to 500+ F
- Pressure = Up to 100 in. WG
- Flow = Up to 100,000 ACFM
- Al, Carbon Steel, SS, Corten, Specialty Alloys
- Arrgt. type, duct, silencer, motor, sensor
- Custom Paints, coatings, weld

Product Applications:

- Dust Collection (AF, VP, BCS, RB)
- Boiler/Furnace Air (AF, BC, VP, RB)
- Exhaust (IE, JM, AF, SMB/SMD)
- Wind Tunnel (VAX, JM, Joy)
- Conveyance (AF, RB)
- Aviation (AF, RB, BC, VP)
- Rail/Transit (AF, IE)
- HVAC (JM, AF, Joy)
- Textiles (BC, QBCS, VP, OVP)

Product	Product Lines
Cast Aluminum Centrifugals	AF Series
Configured Fabricated Centrifugals	BC, RB, VP, Cfi, TP

PRESSURE & UTILITY BLOWERS



AF cast aluminum pressure blowers

- Volumes to 3,800 CFM
- Pressures to 20" WG
- Available in direct driven and belt driven configurations
- Wheel types: Backward curved, forward curved and radial blade
- Corrosion and spark resistant aluminum wheels
- Light weight and rugged split cast aluminum field rotatable housings. Available with fabricated steel wheels and housing as option
- Available in six basic fan sizes
- Customized options available



Turbo Pressure Blowers

- Volumes to 9,200 CFM
- Pressures to 86" WG
- Available in direct driven and belt driven configurations
- Wheel types: Backward curved and radial blade
- Continuously welded, heavy gauge housings
- Available in eight basic fan sizes
- Customized options available



RB Pressure Blowers

- Volumes to 12,000 CFM
- Pressures to 110" WG
- Available in direct driven and belt driven configurations
- Wheel type: Radial blade
- Continuously welded, heavy gauge housings
- Available in twenty-five basic fan sizes
- Customized options available

PRESSURE & UTILITY BLOWERS



SMB/SMD Curved Utility Blowers

- Volumes to 4,800 CFM
- Pressures to 3" WG
- Available in belt driven and direct driven configurations
- Wheel type: Forward curved
- Continuously welded, field rotatable housings
- Packaged utility set
- Available in six basic fan sizes
- Customized options available



SC Forward Curved Volume Blowers

- Volumes to 1,400 CFM
- Pressures to 4" WG
- Available in belt driven and direct driven configurations
- Wheel type: Forward curved
- Light weight and rugged split cast aluminum field rotatable housings
- Available in four basic fan sizes
- Customized options available

BACKWARD-INCLINED FANS



BCA, BCS Backward-Inclined Fans – Single Width

- Volumes to 100,000 CFM
- Pressures to 25" WG
- AMCA certified for air and sound performance
- Available in belt driven and direct driven configurations
- Wheel types: Backward curved and airfoil blade
- Continuously welded, heavy gauge, field rotatable housings (Rotatable on fan sizes 122 thru 330 only)
- Available in eighteen basic fan sizes
- Customized options available



QBCA, QBCS Backward-Inclined Fans – Square Housed

- Volumes to 43,000 CFM
- Pressures to 17" WG
- AMCA certified for air and sound performance
- Available in belt driven & direct driven configurations
- Wheel types: Backward curved & airfoil blade
- Compact continuously welded, heavy gauge, field rotatable square housings (Rotatable to four discharge positions)
- Available in fourteen basic fan sizes
- Customized options available

BACKWARD-INCLINED FANS



PBCA, PBCS Backward-Inclined Plug Fans

- Volumes to 90,000 CFM
- Pressures to 12" WG
- Available in belt driven configuration only
- Wheel types: Backward curved & airfoil blade
- Continuously welded insulated plug for high or low temperature applications
- Available with or without housing, inlet venturi and venturi supports
- Available in sixteen basic fan sizes and three standard plug depths
- Customized options available



DBCA, DBCS Backward-Inclined Fans – Double Width

- Volumes to 190,000 CFM
- Pressures to 20" WG
- Available in belt driven configuration only
- Wheel types: Backward curved & airfoil blade
- Continuously welded, heavy gauge, field rotatable housings (Rotatable on fan sizes 122 thru 330 only)
- Available in sixteen basic fan sizes
- Also available in DQBCA & DQBCS compact square design
- Customized options available

INDUSTRIAL EXHAUSTERS

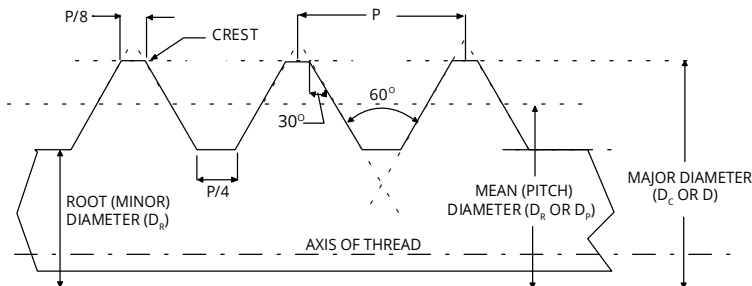


- Volumes to 40,000 CFM
- Pressures to 23" WG
- Available in belt driven and direct driven configurations
- Wheel type: Radial blade Continuously welded, heavy gauge, field rotatable and reversible housings (Rotatable, reversible on fan sizes 7 Air handling or severe duty material handling applications)
- Available in twelve basic fan sizes
- Customized options available

RESOURCES

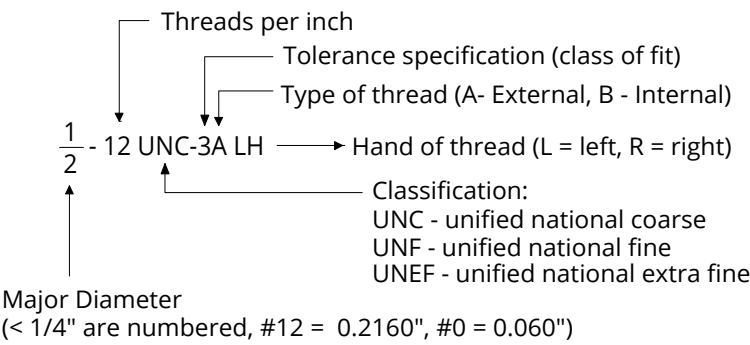
THREAD STANDARDS

UNIFIED AND ISO THREAD GEOMETRY

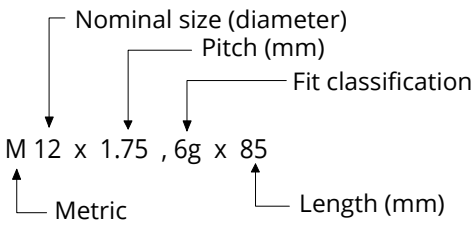


CLASS	UNIFIED		METRIC	
	EXTERNAL THREAD	INTERNAL THREAD	EXTERNAL THREAD	INTERNAL THREAD
LOOSE	1A	1B	8G	7H
STANDARD	2A	2B	6G	6H
CLOSE	3A	3B	4G	5H

UNIFIED NATIONAL:



METRIC:



THREAD DIMENSIONS

AND TAP DRILL SIZES

Size	Threads Per Inch		Outside Diameter Inches	Pitch Diameter Inches	Root Diameter Inches	Tap Drill Approx. 75% Full Thread	Decimal Equiv. Of Tap Drill
	NC UNC	NF UNF					
0	—	80	.0600	.0519	.0438	3/64"	.0469
1	64	—	.0730	.0629	.0527	53	.0595
1	—	72	.0730	.0640	.0550	53	.0595
2	56	—	.0860	.0744	.0628	50	.0700
2	—	64	.0860	.0759	.0657	50	.0700
3	48	—	.0990	.0855	.0719	47	.0785
3	—	56	.0990	.0874	.0758	46	.0810
4	40	—	.1120	.0958	.0795	43	.0890
4	—	48	.1120	.0985	.0849	42	.0935
5	40	—	.1250	.1088	.0925	38	.1015
5	—	44	.1250	.1102	.0955	37	.1040
6	32	—	.1380	.1177	.0974	36	.1065
6	—	40	.1380	.1218	.1055	33	.1130
8	32	—	.1640	.1437	.1234	29	.1360
8	—	36	.1640	.1460	.1279	29	.1360
10	24	—	.1900	.1629	.1359	26	.1470
10	—	32	.1900	.1697	.1494	21	.1590
12	24	—	.2160	.1889	.1619	16	.1770
12	—	28	.2160	.1928	.1696	15	.1800
1/4"	20	—	.2500	.2175	.1850	7	.2010
1/4"	—	28	.2500	.2268	.2036	3	.2130
5/16"	18	—	.3125	.2764	.2403	F	.2570
5/16"	—	24	.3125	.2854	.2584	I	.2720
3/8"	16	—	.3750	.3344	.2938	5/16"	.3125
3/8"	—	24	.3750	.3479	.3209	Q	.3320
7/16"	14	—	.4375	.3911	.3447	U	.3680
7/16"	—	20	.4375	.4050	.3726	25/64"	.3906
1/2"	13	—	.5000	.4500	.4001	27/64"	.4219
1/2"	—	20	.5000	.4675	.4351	29/64"	.4531
9/16"	12	—	.5625	.5084	.4542	31/64"	.4844
9/16"	—	18	.5625	.5264	.4903	33/64"	.5156
5/8"	11	—	.6250	.5660	.5069	17/32"	.5312
5/8"	—	18	.6250	.5889	.5528	37/64"	.5781
3/4"	10	—	.7500	.6850	.6201	21/32"	.6562
3/4"	—	16	.7500	.7094	.6688	11/16"	.6875
7/8"	9	—	.8750	.8028	.7307	49/64"	.7656
7/8"	—	14	.8750	.8286	.7822	13/16"	.8125
1"	8	—	1.0000	.9188	.8376	7/8"	.8750
1"	—	12	1.0000	.9459	.8917	59/64"	.9219
1 1/8"	7	—	1.1250	1.0322	.9394	63/64"	.9844
1 1/8"	—	12	1.1250	1.0709	1.0168	1 3/64"	1.0469
1 1/4"	7	—	1.2500	1.1572	1.0644	1 7/64"	1.1094
1 1/4"	—	12	1.2500	1.1959	1.1418	1 11/64"	1.1719
1 3/8"	6	—	1.3750	1.2667	1.1585	1 7/32"	1.2187
1 3/8"	—	12	1.3750	1.3209	1.2668	1 19/64"	1.2969
1 1/2"	6	—	1.5000	1.3917	1.2835	1 11/32"	1.3437
1 1/2"	—	12	1.5000	1.4459	1.3918	1 27/64"	1.4219
1 3/4"	5	—	1.7500	1.6201	1.4902	1 9/16"	1.5625
2"	4 1/2	—	2.0000	1.8557	1.7113	1 25/32"	1.7812
2 1/4"	4 1/2	—	2.2500	2.1057	1.9613	2 1/32"	2.0313
2 1/2"	4 1/2	—	2.5000	2.3376	2.1752	2 1/4"	2.2500
2 3/4"	4	—	2.7500	2.5876	2.4252	2 1/2"	2.5000
3"	4	—	3.0000	2.8376	2.6752	2 3/4"	2.7500
3 1/4"	4	—	3.2500	3.0876	2.9252	3"	3.0000
3 1/2"	4	—	3.5000	3.3376	3.1752	3 1/4"	3.2500
3 3/4"	4	—	3.7500	3.5876	3.4252	3 1/2"	3.5000
4"	4	—	4.0000	3.3786	3.6752	3 3/4"	3.7500

PIPE DIMENSIONS

US AND METRIC

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATIONS			WALL THICKNESS		WEIGHT		ID	
IN. MM	IN. MM	ASME			IN.	MM	LBS/ FOOT	KG/ METER	IN.	MM
1/8	0.405	10		10S	0.049	1.24	0.19	0.28	0.307	7.82
6	10.3	STD	40	40S	0.068	1.73	0.24	0.37	0.269	6.84
		XS	80	80S	0.095	2.41	0.31	0.47	0.215	5.84
1/4	0.540	10		10S	0.065	1.65	0.33	0.49	0.410	10.40
8	13.7	STD	40	40S	0.088	2.24	0.43	0.63	0.364	9.22
		XS	80	80S	0.119	3.02	0.54	0.80	0.302	7.66
3/8	0.675	10		10S	0.065	1.65	0.42	0.63	0.545	13.80
10	17.1	STD	40	40S	0.091	2.31	0.57	0.84	0.493	12.48
		XS	80	80S	0.126	3.20	0.74	1.10	0.423	10.70
1/2	0.840	5		5S	0.065	1.65	0.54	0.80	0.710	18.00
15	21.3	10		10S	0.083	2.11	0.67	1.00	0.674	17.08
		STD	40	40S	0.109	2.77	0.85	1.27	0.622	15.76
		XS	80	80S	0.147	3.73	1.09	1.62	0.546	13.84
		160			0.188	4.78	1.31	1.95	0.464	11.74
		XX			0.294	7.47	1.72	2.55	0.252	6.36
3/4	1.050	5		5S	0.065	1.65	0.69	1.03	0.920	23.40
20	26.7	10		10S	0.083	2.11	0.86	1.28	0.884	22.48
		STD	40	40S	0.113	2.87	1.13	1.69	0.824	20.96
		XS	80	80S	0.154	3.91	1.48	2.20	0.742	18.88
		160			0.219	5.56	1.95	2.90	0.612	15.58
		XX			0.308	7.82	2.44	3.64	0.434	11.06
1	1.315	5		5S	0.065	1.65	0.87	1.29	1.185	30.10
25	33.4	10		10S	0.109	2.77	1.41	2.09	1.097	27.86
		STD	40	40S	0.133	3.38	1.68	2.50	1.049	26.64
		XS	80	80S	0.179	4.55	2.17	3.24	0.957	24.30
		160			0.250	6.35	2.85	4.24	0.815	20.70
		XX			0.358	9.09	3.66	5.45	0.599	15.22
1-1/4	1.660	5		5S	0.065	1.65	1.11	1.65	1.530	38.90
32	42.2	10		10S	0.109	2.77	1.81	2.69	1.442	36.66
		STD	40	40S	0.140	3.56	2.27	3.39	1.380	35.08
		XS	80	80S	0.191	4.85	3.00	4.47	1.278	32.50
		160			0.250	6.35	3.77	5.61	1.160	29.50
		XX			0.382	9.70	5.22	7.77	0.896	22.80
1-1/2	1.900	5		5S	0.065	1.65	1.28	1.90	1.770	45.00
40	48.3	10		10S	0.109	2.77	2.09	3.11	1.682	42.76
		STD	40	40S	0.145	3.68	2.72	4.05	1.610	40.94
		XS	80	80S	0.200	5.08	3.63	5.41	1.500	38.14
		160			0.281	7.14	4.86	7.25	1.338	34.02
		XX			0.400	10.15	6.41	9.55	1.100	28.00
2	2.375	5		5S	0.065	1.65	1.61	2.39	2.245	57.00
50	60.3	10		10S	0.109	2.77	2.64	3.93	2.157	54.76
		STD	40	40S	0.154	3.91	3.66	5.44	2.067	52.48
		XS	80	80S	0.218	5.54	5.03	7.48	1.939	49.22
		160			0.344	8.74	7.47	11.11	1.687	42.82
		XX			0.436	11.07	9.04	13.44	1.503	38.16
2-1/2	2.875	5		5S	0.083	2.11	2.48	3.69	2.709	68.78
65	73.0	10		10S	0.120	3.05	3.53	5.26	2.635	66.90
		STD	40	40S	0.203	5.16	5.80	8.63	2.469	62.68
		XS	80	80S	0.276	7.01	7.67	11.41	2.323	58.98
		160			0.375	9.53	10.02	14.92	2.125	53.94
		XX			0.552	14.02	13.71	20.39	1.771	44.96
3	3.500	5		5S	0.083	2.11	3.03	4.52	3.334	84.68
80	88.9	10		10S	0.120	3.05	4.34	6.46	3.260	82.80
		STD	40	40S	0.216	5.49	7.58	11.29	3.068	77.92
		XS	80	80S	0.300	7.62	10.26	15.27	2.900	73.66
		160			0.438	11.13	14.34	21.35	2.624	66.64
		XX			0.600	15.24	18.60	27.68	2.300	58.42
3-1/2	4.000	5		5S	0.083	2.11	3.48	5.18	3.834	97.38
90	101.6	10		10S	0.120	3.05	4.98	7.41	3.760	95.50
		STD	40	40S	0.226	5.74	9.12	13.57	3.548	90.12
		XS	80	80S	0.318	8.08	12.52	18.64	3.364	85.44
		XX			0.636	16.15	22.87	34.03	2.728	69.30
4	4.500	5		5S	0.083	2.11	3.92	5.84	4.334	110.08
100	114.3	10		10S	0.120	3.05	5.62	8.37	4.260	108.20
					0.156	3.96	7.24	10.78	4.188	106.38
					0.188	4.78	8.67	12.91	4.124	104.74
		STD	40	40S	0.237	6.02	10.80	16.08	4.026	102.26
		XS	80	80S	0.337	8.56	15.00	22.32	3.826	97.18
		120			0.438	11.13	19.02	28.32	3.624	92.04
		160			0.531	13.49	22.53	33.54	3.438	87.32
		XX			0.674	17.12	27.57	41.03	3.152	80.06
4-1/2	5.000	STD	40	40S	0.247	6.27	12.55	18.67	4.506	114.46
115	127.0	XS	80	80S	0.355	9.02	17.63	26.24	4.290	108.96
		XX			0.710	18.03	32.56	48.45	3.580	90.94

AMERICAN WIRE GAUGE

CONDUCTOR SIZE TABLE

AWG	Diameter [inches]	Diameter [mm]	Area [mm ²]	Resistance [Ohms/1000 ft]	Resistance [Ohms / km]	Max Current [Amperes]	Max Frequency
0000 (4/0)	0.46	11.684	107	0.049	0.16072	302	125 Hz
000 (3/0)	0.4096	10.40384	85	0.0618	0.202704	239	160 Hz
00 (2/0)	0.3648	9.26592	67.4	0.0779	0.255512	190	200 Hz
0 (1/0)	0.3249	8.25246	53.5	0.0983	0.322424	150	250 Hz
1	0.2893	7.34822	42.4	0.1239	0.406392	119	325 Hz
2	0.2576	6.54304	33.6	0.1563	0.512664	94	410 Hz
3	0.2294	5.82676	26.7	0.197	0.64616	75	500 Hz
4	0.2043	5.18922	21.2	0.2485	0.81508	60	650 Hz
5	0.1819	4.62026	16.8	0.3133	1.027624	47	810 Hz
6	0.162	4.1148	13.3	0.3951	1.295928	37	1100 Hz
7	0.1443	3.66522	10.5	0.4982	1.634096	30	1300 Hz
8	0.1285	3.2639	8.37	0.6282	2.060496	24	1650 Hz
9	0.1144	2.90576	6.63	0.7921	2.598088	19	2050 Hz
10	0.1019	2.58826	5.26	0.9989	3.276392	15	2600 Hz
11	0.0907	2.30378	4.17	1.26	4.1328	12	3200 Hz
12	0.0808	2.05232	3.31	1.588	5.20864	9.3	4150 Hz
13	0.072	1.8288	2.62	2.003	6.56984	7.4	5300 Hz
14	0.0641	1.62814	2.08	2.525	8.282	5.9	6700 Hz
15	0.0571	1.45034	1.65	3.184	10.44352	4.7	8250 Hz
16	0.0508	1.29032	1.31	4.016	13.17248	3.7	11 k Hz
17	0.0453	1.15062	1.04	5.064	16.60992	2.9	13 k Hz
18	0.0403	1.02362	0.823	6.385	20.9428	2.3	17 kHz
19	0.0359	0.91186	0.653	8.051	26.40728	1.8	21 kHz
20	0.032	0.8128	0.518	10.15	33.292	1.5	27 kHz
21	0.0285	0.7239	0.41	12.8	41.984	1.2	33 kHz
22	0.0254	0.64516	0.326	16.14	52.9392	0.92	42 kHz
23	0.0226	0.57404	0.258	20.36	66.7808	0.729	53 kHz
24	0.0201	0.51054	0.205	25.67	84.1976	0.577	68 kHz
25	0.0179	0.45466	0.162	32.37	106.1736	0.457	85 kHz
26	0.0159	0.40386	0.129	40.81	133.8568	0.361	107 kHz
27	0.0142	0.36068	0.102	51.47	168.8216	0.288	130 kHz
28	0.0126	0.32004	0.081	64.9	212.872	0.226	170 kHz
29	0.0113	0.28702	0.0642	81.83	268.4024	0.182	210 kHz
30	0.01	0.254	0.0509	103.2	338.496	0.142	270 kHz
31	0.0089	0.22606	0.0404	130.1	426.728	0.113	340 kHz
32	0.008	0.2032	0.032	164.1	538.248	0.091	430 kHz
33	0.0071	0.18034	0.0254	206.9	678.632	0.072	540 kHz
34	0.0063	0.16002	0.0201	260.9	855.752	0.056	690 kHz
35	0.0056	0.14224	0.016	329	1079.12	0.044	870 kHz
36	0.005	0.127	0.0127	414.8	1360	0.035	1100 kHz
37	0.0045	0.1143	0.01	523.1	1715	0.0289	1350 kHz
38	0.004	0.1016	0.00797	659.6	2163	0.0228	1750 kHz
39	0.0035	0.0889	0.00632	831.8	2728	0.0175	2250 kHz
40	0.0031	0.07874	0.00501	1049	3440	0.0137	2900 kHz

Current (ampacity) Notes: The current ratings shown in the table are for power transmission and have been determined using the rule of 1 amp per 700 circular mils, which is a very conservative rating

FRACTION - DECIMAL

CONVERSION CHART

	IN	MM
$\frac{1}{32}$	$\frac{1}{64}$ — .015625	.3969
$\frac{1}{16}$	$\frac{3}{64}$ — .03125	.7938
	$\frac{5}{64}$ — .046875	1.1906
	$\frac{7}{64}$ — .0625	1.5875
	$\frac{9}{64}$ — .078125	1.9844
	$\frac{11}{64}$ — .09375	2.3813
	$\frac{13}{64}$ — .109375	2.7781
	$\frac{15}{64}$ — .125	3.1750
	$\frac{17}{64}$ — .140625	3.5719
	$\frac{19}{64}$ — .15625	3.9688
	$\frac{21}{64}$ — .171875	4.3656
	$\frac{23}{64}$ — .1875	4.7625
	$\frac{25}{64}$ — .203125	5.1594
	$\frac{27}{64}$ — .21875	5.5563
	$\frac{29}{64}$ — .234375	5.9531
	$\frac{31}{64}$ — .250	6.3500
	$\frac{1}{4}$ — .265625	6.7469
	$\frac{5}{16}$ — .28125	7.1438
	$\frac{3}{8}$ — .296875	7.5406
	$\frac{1}{2}$ — .3125	7.9375
	$\frac{1}{4}$ — .328125	8.3344
	$\frac{1}{8}$ — .34375	8.7313
	$\frac{1}{16}$ — .359375	9.1282
	$\frac{1}{32}$ — .375	9.5250
	$\frac{1}{64}$ — .390625	9.9219
	$\frac{1}{128}$ — .40625	10.3188
	$\frac{1}{256}$ — .421875	10.7157
	$\frac{1}{512}$ — .4375	11.1125
	$\frac{1}{1024}$ — .453125	11.5094
	$\frac{1}{2048}$ — .46875	11.9063
	$\frac{1}{4096}$ — .484375	12.3032
	$\frac{1}{8192}$ — .500	12.7001

	IN	MM
$\frac{17}{32}$	$\frac{33}{64}$ — .515625	13.096
	$\frac{35}{64}$ — .53125	13.493
	$\frac{37}{64}$ — .546875	13.890
	$\frac{39}{64}$ — .5625	14.287
	$\frac{41}{64}$ — .578125	14.684
	$\frac{43}{64}$ — .59375	15.081
	$\frac{45}{64}$ — .609375	15.478
	$\frac{47}{64}$ — .625	15.875
	$\frac{49}{64}$ — .640625	16.271
	$\frac{51}{64}$ — .65625	16.668
	$\frac{53}{64}$ — .671875	17.065
	$\frac{55}{64}$ — .6875	17.462
	$\frac{57}{64}$ — .703125	17.859
	$\frac{59}{64}$ — .71875	18.256
	$\frac{61}{64}$ — .734375	18.653
	$\frac{63}{64}$ — .750	19.050
	$\frac{1}{2}$ — .765625	19.447
	$\frac{1}{4}$ — .78125	19.843
	$\frac{1}{8}$ — .796875	20.240
	$\frac{1}{16}$ — .8125	20.6375
	$\frac{1}{32}$ — .828125	21.0345
	$\frac{1}{64}$ — .84375	21.431
	$\frac{1}{128}$ — .859375	21.8282
	$\frac{1}{256}$ — .875	22.2251
	$\frac{1}{512}$ — .890625	22.6220
	$\frac{1}{1024}$ — .90625	23.0188
	$\frac{1}{2048}$ — .921875	23.4157
	$\frac{1}{4096}$ — .9375	23.8126
	$\frac{1}{8192}$ — .953125	24.2095
	$\frac{1}{16384}$ — .96875	24.6063
	$\frac{1}{32768}$ — .984375	25.0032
1	1.000	25.4001

SHEET METAL

GAUGE CHART

Gauge	Steel	Galvanized Steel	Stainless Steel	Aluminium	Electrical Steel
	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)
3	0.2391 (6.07)	—	—	—	—
4	0.2242 (5.69)	—	—	—	—
5	0.2092 (5.31)	—	—	—	—
6	0.1943 (4.94)	—	—	0.162 (4.1)	—
7	0.1793 (4.55)	—	0.1875 (4.76)	0.1443 (3.67)	—
8	0.1644 (4.18)	0.1681 (4.27)	0.1719 (4.37)	0.1285 (3.26)	—
9	0.1495 (3.80)	0.1532 (3.89)	0.1563 (3.97)	0.1144 (2.91)	—
10	0.1345 (3.42)	0.1382 (3.51)	0.1406 (3.57)	0.1019 (2.59)	—
11	0.1196 (3.04)	0.1233 (3.13)	0.1250 (3.18)	0.0907 (2.30)	—
12	0.1046 (2.66)	0.1084 (2.75)	0.1094 (2.78)	0.0808 (2.05)	—
13	0.0897 (2.28)	0.0934 (2.37)	0.094 (2.4)	0.072 (1.8)	—
14	0.0747 (1.90)	0.0785 (1.99)	0.0781 (1.98)	0.0641 (1.63)	—
15	0.0673 (1.71)	0.0710 (1.80)	0.07 (1.8)	0.057 (1.4)	—
16	0.0598 (1.52)	0.0635 (1.61)	0.0625 (1.59)	0.0508 (1.29)	0.0625 (1.59)
17	0.0538 (1.37)	0.0575 (1.46)	0.056 (1.4)	0.045 (1.1)	0.0560 (1.42)
18	0.0478 (1.21)	0.0516 (1.31)	0.0500 (1.27)	0.0403 (1.02)	0.0500 (1.27)
19	0.0418 (1.06)	0.0456 (1.16)	0.044 (1.1)	0.036 (0.91)	0.0453 (1.15)
20	0.0359 (0.91)	0.0396 (1.01)	0.0375 (0.95)	0.0320 (0.81)	0.0375 (0.952)
21	0.0329 (0.84)	0.0366 (0.93)	0.034 (0.86)	0.028 (0.71)	0.0340 (0.860)
22	0.0299 (0.76)	0.0336 (0.85)	0.031 (0.79)	0.025 (0.64)	0.0310 (0.787)
23	0.0269 (0.68)	0.0306 (0.78)	0.028 (0.71)	0.023 (0.58)	0.0280 (0.711)
24	0.0239 (0.61)	0.0276 (0.70)	0.025 (0.64)	0.02 (0.51)	0.0250 (0.635)
25	0.0209 (0.53)	0.0247 (0.63)	0.022 (0.56)	0.018 (0.46)	0.0220 (0.559)
26	0.0179 (0.45)	0.0217 (0.55)	0.019 (0.48)	0.017 (0.43)	0.0185 (0.470)
27	0.0164 (0.42)	0.0202 (0.51)	0.017 (0.43)	0.014 (0.36)	0.0170 (0.432)
28	0.0149 (0.38)	0.0187 (0.47)	0.016 (0.41)	0.0126 (0.32)	0.0155 (0.394)
29	0.0135 (0.34)	0.0172 (0.44)	0.014 (0.36)	0.0113 (0.29)	0.0140 (0.356)
30	0.0120 (0.30)	0.0157 (0.40)	0.013 (0.33)	0.0100 (0.25)	0.0125 (0.318)
31	0.0105 (0.27)	0.0142 (0.36)	0.011 (0.28)	0.0089 (0.23)	0.0100 (0.254)
32	0.0097 (0.25)	—	—	—	—
33	0.0090 (0.23)	—	—	—	—
34	0.0082 (0.21)	—	—	—	—
35	0.0075 (0.19)	—	—	—	—
36	0.0067 (0.17)	—	—	—	—
37	0.0064 (0.16)	—	—	—	—
38	0.0060 (0.15)	—	—	—	—
33	0.0071	0.18034	0.0254	206.9	678.632
34	0.0063	0.16002	0.0201	260.9	855.752
35	0.0056	0.14224	0.016	329	1079.12
36	0.005	0.127	0.0127	414.8	1360
37	0.0045	0.1143	0.01	523.1	1715
38	0.004	0.1016	0.00797	659.6	2163
39	0.0035	0.0889	0.00632	831.8	2728
40	0.0031	0.07874	0.00501	1049	3440



American Fan

Powered by **FAIRBANKS MORSE**
DEFENSE

American Fan

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