

SCREWS

TAPPING (SHEET METAL)	DRILPOINT (SHEET METAL)	MACHINE	HEX CAP	SLOTTED SET
DOWEL	TEKS	THUMB	LAG	SOCKET SET
CHICAGO BINDING (INTERNAL THREAD)	SEMS	WOOD	SCREWEYE	SOCKET CAP
SPEAKER (MOUNTING)	WELD	WOOD DRIVE	SQUARE SET	SHOULDER SCREW (STRIPPER BOLT)

IDENTIFICATION GRADE MARK



TABLE OF GRADE COMPARISON

SPECIFICATION	FASTENER DESCRIPTION	MATERIAL
SAE J429 GRADE 1	BOLTS, SCREWS, STUDS	LOW OR MEDIUM CARBON STEEL
ASTM A307 GRADES A & B		LOW CARBON STEEL
SAE J429 GRADE 2	BOLTS, SCREWS, STUDS	LOW OR MEDIUM CARBON STEEL
SAE J429 GRADE 5		MEDIUM CARBON STEEL, QUENCHED AND TEMPERED
ASTM A449	BOLTS, SCREWS, STUDS	MEDIUM CARBON ALLOY STEEL, QUENCHED AND TEMPERED
SAE J429 GRADE 8		ALLOY STEEL, QUENCHED AND TEMPERED
ASTM A354 GRADE BD		ALLOY STEEL, QUENCHED AND TEMPERED

NUTS

HEX (MACH. SCR.)	SQ (MACH. SCR.)	REG. SQUARE	COUPLING	CASTLE	METAL LOCK	NYLON LOCK	FORGED WIN
HEX FINISHED	ACORN-CAP	WELD	FLANGE-LOCK	KEPS	MOLLY-JACK	SPEED	STAMPED WIN

Bossard

METRIC FASTENERS

BOLTS

SQUARE NECK	RIBBED NECK	FIN NECK	STEP	ELEVATOR	HEX	SQUARE	STOVE
SOME BOLTS WHEN FURNISHED WITHOUT NUTS MAY BE REFERRED TO AS SCREWS							
EYEBOLT	U-BOLT	FOUNDATION (HOOK BOLT)	HANGER	STUD	TAP	EXPANSION	

WASHERS

FLAT	FINISH	TORQUE	SPLIT LOCK	MISC	COTTER PIN	GROOVED PIN	
INTERNAL TOOTH	EXTERNAL TOOTH	INT. EXT. TOOTH	COUNTERSUNK TOOTH		HITCH PIN CLIP (HAIR PIN CLIP)	SPRING PIN (ROLLED PIN) (TENSION PIN)	
					CLEVIS PIN	DOWEL PIN	

FLAT	FLAT UNDERCUT	OVAL	OVAL UNDERCUT	ROUND	FILLISTER	PAN	BINDING	BINDING UNDERCUT	TRUSS	ROUND WASHER	TRIMMED HEXAGON	INDENTED HEXAGON	INDENTED HEXAGON SLOTTED	INDENTED HEXAGON WASHER
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— HEAD STYLES —

A	AB	B	BF	BP	C	F	1	17	23	25	U
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TAPPING SCREW TYPES

PLAIN END	FLAT	OVAL	FULL DOG	CON
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MACHINE & SET SCREW

1 (800) 488-7634

Signal Hill

Baja California

San Diego

Fax (562) 988-0545
www.accutite.com



TO FIND DIAMETER SIZE

LAY SCREW FLAT WITHIN PARALLEL LINES.

METRIC CONVERSION TABLE

Inch Fractions & Decimals to Millimeters

SCREW SIZE	BASIC DIA. (IN.)	INCHES			INCHES		
		FRACT	DEC	MM	FRACT	DEC	MM
● #0 or 1/16"	.062	—	.0010	0.025	—	.5118	13.000
● #1 -	.073	—	.0039	0.100	33/64	.5156	13.097
● #2 -	.086	—	.0100	0.254	17/32	.5313	13.494
● #3 -	.099	1/64	.0156	0.397	35/64	.5469	13.891
● #4 -	.112	—	.0197	0.500	—	.5512	14.000
● 3MM	.118	1/32	.0313	0.794	9/16	.5625	14.288
● #5 or 1/8"	.125	—	.0394	1.000	37/64	.5781	14.684
● #6 -	.138	3/64	.0469	1.191	—	.5906	15.000
● #7 -	.151	1/16	.0625	1.588	19/32	.5938	15.081
● 4MM	.157	5/64	.0781	1.984	—	.6000	15.240
● #8 -	.164	—	.0787	2.000	39/64	.6094	15.478
● #9 -	.177	3/32	.0938	2.381	5/8	.6250	15.875
● #10 or 3/16"	.188	—	.1000	2.540	—	.6299	16.000
● 5MM	.197	7/64	.1094	2.778	41/64	.6406	16.272
● #12 -	.216	—	.1181	3.000	21/32	.6563	16.669
● 6MM	.236	1/8	.1250	3.175	—	.6693	17.000
● #14 -	.242	9/64	.1406	3.572	43/64	.6719	17.066
● 1/4"	.250	5/32	.1563	3.969	11/16	.6875	17.463
● #16 -	.268	—	.1575	4.000	—	.7000	17.780
● #18 -	.294	11/64	.1719	4.366	45/64	.7031	17.859
● 5/16" 8MM	.313	3/16	.1875	4.763	—	.7087	18.000
● #20 -	.320	—	.1969	5.000	23/32	.7188	18.256
● #24 -	.372	13/64	.2031	5.159	47/64	.7344	18.653
● 3/8"	.375	7/32	.2188	5.556	—	.7480	19.000
● 10MM	.394	15/64	.2344	5.953	3/4	.7500	19.050
		—	.2362	6.000	49/64	.7656	19.447
		1/4	.2500	6.350	25/32	.7813	19.844
		—	.2756	7.000	51/64	.7969	20.000
		9/32	.2813	7.144	—	.8000	20.241
		19/64	.2969	7.541	13/16	.8125	20.320
		5/16	.3125	7.938	—	.8268	20.638
		—	.3150	8.000	53/64	.8281	21.000
		21/64	.3281	8.334	27/32	.8438	21.034
		11/32	.3438	8.731	55/64	.8594	21.431
		—	.3543	9.000	—	.8661	21.828
		23/64	.3594	9.128	7/8	.8750	22.000
		3/8	.3750	9.525	57/64	.8906	22.225
		25/64	.3906	9.922	—	.9000	22.622
		—	.3937	10.000	—	.9055	22.860
		13/32	.4063	10.319	29/32	.9063	23.000
		27/64	.4219	10.716	59/64	.9219	23.019
		—	.4331	11.000	15/16	.9375	23.416
		7/16	.4375	11.113	—	.9449	23.813
		29/64	.4531	11.509	61/64	.9531	24.000
		15/32	.4688	11.906	31/32	.9688	24.209
		—	.4724	12.000	—	.9843	24.606
		31/64	.4844	12.303	63/64	.9844	25.000
		1/2	.5000	12.700	1	1.0000	25.003
							25.400

SCREW TYPES / SIZES / AND NUMBERS OF THREADS

WOOD SCREWS		TAPPING SCREWS	
Standard	Twinfast	Types A and 17	Types AB, B, BF, BP & 25
Size - TPI	Size - TPI	Size - TPI	Size - TPI
0 - 32	—	0 - 40	0 - 48
1 - 28	—	1 - 32	1 - 42
2 - 26	2 - 28	2 - 32	2 - 32
3 - 24	3 - 26	3 - 28	3 - 28
4 - 22	4 - 24	4 - 24	4 - 24
5 - 20	5 - 22	5 - 20	5 - 20
6 - 18	6 - 20	6 - 18	6 - 20
7 - 16	7 - 18	7 - 16	7 - 19
8 - 15	8 - 18	8 - 15	8 - 18
9 - 14	9 - 16	—	—
10 - 13	10 - 15	10 - 12	10 - 16
12 - 11	12 - 13	12 - 11	12 - 14
14 - 10	14 - 12	14 - 10	—
—	—	—	1/4 - 14
16 - 9	16 - 11	16 - 10	—
18 - 8	18 - 10	18 - 9	—
—	—	—	5/16 - 12
20 - 8	—	20 - 9	—
24 - 7	—	24 - 9	—
—	—	—	3/8 - 12
—	—	—	7/16 - 10
—	—	—	1/2 - 10

WIRE & SHEET GAGES

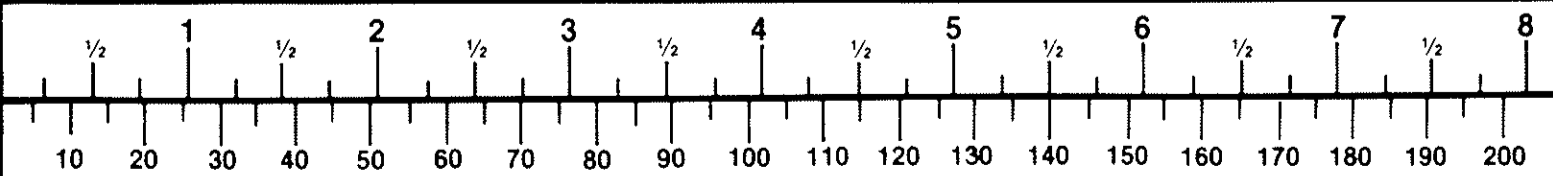
Steel
Decimal Equivalents (Inches)

Number of GAGE	Amer. Steel & Wire Washburn & Moen WIRE	United States Standard Gage SHEET
7/0	.4900	5000
6/0	.4615	4688
5/0	.4305	4375
4/0	.3938	4063
3/0	.3625	3750
2/0	.3310	3438
0	.3065	3125
1	.2830	2813
2	.2625	2656
3	.2437	2500
4	.2253	2344
5	.2070	2188
6	.1920	2031
7	.1770	1875
8	.1620	1719
9	.1483	1563
10	.1350	1406
11	.1205	1250
12	.1055	1094
13	.0915	0938
14	.0800	0781
15	.0720	0703
16	.0625	0625
17	.0540	0563
18	.0475	0500
19	.0410	0438
20	.0348	0375
21	.0318	0344
22	.0286	0313
23	.0258	0281
24	.0230	0250
25	.0204	0219
26	.0181	0188
27	.0173	0172
28	.0162	0156
29	.0150	0141
30	.0140	0125
31	.0132	0109
32	.0128	0102
33	.0118	0094
34	.0104	0086
35	.0095	0078
36	.0090	0070
37	.0085	0066
38	.0080	0063

DRILL

Decimal Equiv

NUMBER		
Same as Stubbs		
Size	Drill Dia.	Size
1	.2280	28
2	.2210	29
3	.2130	30
4	.2090	31
5	.2055	32
6	.2040	33
7	.2010	34
8	.1990	35
9	.1960	36
10	.1935	37
11	.1910	38
12	.1890	39
13	.1850	40
14	.1820	41
15	.1800	42
16	.1770	43
17	.1730	44
18	.1695	45
19	.1660	46
20	.1610	47
21	.1590	48
22	.1570	49
23	.1540	50
24	.1520	51
25	.1495	52
26	.1470	53
27	.1440	54
LETTER		
Size	Drill Dia.	Size
A	.234	J
B	.238	K
C	.242	L
D	.246	M
E	.250	N
F	.257	O
G	.261	P
H	.266	Q
I	.272	R



TO SELECT PHILLIPS DRIVER SIZE

SCREW TYPE	SCREW DIAMETER & HEAD STYLE			BIT or DRIVER SIZE
	OVAL, PAN & FLAT	ROUND & FILLISTER	TRUSS & BRAZIER	
Machine & Tapping Screws	0 & 1	0 & 1	0 & 1	0
	2 thru 4	2 thru 4	2 thru 5	1
	5 thru 10	5 thru 10	6 thru 10	2
	12 thru 1/4	12 thru 5/16	12 thru 1/4	3
	5/16 thru 1/2	3/8 thru 1/2	5/16 thru 1/2	4
Wood Screws	0 & 1	0 & 1	0 & 1	0
	2 thru 4	2 thru 4	2 thru 5	1
	5 thru 9	5 thru 10	6 thru 10	2
	10 thru 16	11 thru 16	12 thru 16	3
	18 thru 24	18 thru 24	18 thru 24	4