

GOODSON

Tools and Supplies for Engine Builders

156 Galewski Drive • P.O. Box 847 • Winona, Minnesota 55987-0847

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DECIMALS		MILLIMETERS		DECIMALS		MILLIMETERS		MM	INCHES	MM	INCHES
$\frac{1}{64}$	0.015625	—	0.397	$\frac{33}{64}$	0.515625	—	13.097	.1—	.0039	46—	1.8110
$\frac{1}{32}$.03125	—	0.794	$\frac{17}{32}$.53125	—	13.494	.2—	.0079	47—	1.8504
$\frac{3}{64}$.046875	—	1.191	$\frac{35}{64}$.546875	—	13.891	.3—	.0118	48—	1.8898
$\frac{1}{16}$.0625	—	1.588	$\frac{9}{16}$.5625	—	14.288	.4—	.0157	49—	1.9291
$\frac{5}{64}$.078125	—	1.984	$\frac{37}{64}$.578125	—	14.684	.5—	.0197	50—	1.9685
$\frac{3}{32}$.09375	—	2.381	$\frac{19}{32}$.59375	—	15.081	.6—	.0236	51—	2.0079
$\frac{7}{64}$.109375	—	2.778	$\frac{39}{64}$.609375	—	15.478	.7—	.0276	52—	2.0472
$\frac{1}{8}$.1250	—	3.175	$\frac{5}{8}$.6250	—	15.875	.8—	.0315	53—	2.0866
$\frac{9}{64}$.140625	—	3.572	$\frac{41}{64}$.640625	—	16.272	.9—	.0354	54—	2.1260
$\frac{5}{32}$.15625	—	3.969	$\frac{21}{32}$.65625	—	16.669	1—	.0394	55—	2.1654
$\frac{11}{64}$.171875	—	4.366	$\frac{43}{64}$.671875	—	17.066	2—	.0787	56—	2.2047
$\frac{3}{16}$.1875	—	4.763	$\frac{11}{16}$.6875	—	17.463	3—	.1181	57—	2.2441
$\frac{13}{64}$.203125	—	5.159	$\frac{45}{64}$.703125	—	17.859	4—	.1575	58—	2.2835
$\frac{7}{32}$.21875	—	5.556	$\frac{23}{32}$.71875	—	18.256	5—	.1969	59—	2.3228
$\frac{15}{64}$.234375	—	5.953	$\frac{47}{64}$.734375	—	18.653	6—	.2362	60—	2.3622
$\frac{1}{4}$.2500	—	6.350	$\frac{3}{4}$.7500	—	19.050	7—	.2756	61—	2.4016
$\frac{17}{64}$.265625	—	6.747	$\frac{49}{64}$.765625	—	19.447	8—	.3150	62—	2.4409
$\frac{9}{32}$.28125	—	7.144	$\frac{25}{32}$.78125	—	19.844	9—	.3543	63—	2.4803
$\frac{19}{64}$.296875	—	7.541	$\frac{51}{64}$.796875	—	20.241	10—	.3937	64—	2.5197
$\frac{5}{16}$.3125	—	7.938	$\frac{13}{16}$.8125	—	20.638	11—	.4331	65—	2.5591
$\frac{21}{64}$.328125	—	8.334	$\frac{53}{64}$.828125	—	21.034	12—	.4724	66—	2.5984
$\frac{11}{32}$.34375	—	8.731	$\frac{27}{32}$.84375	—	21.431	13—	.5118	67—	2.6378
$\frac{23}{64}$.359375	—	9.128	$\frac{55}{64}$.859375	—	21.828	14—	.5512	68—	2.6772
$\frac{3}{8}$.3750	—	9.525	$\frac{7}{8}$.8750	—	22.225	15—	.5906	69—	2.7165
$\frac{25}{64}$.390625	—	9.922	$\frac{57}{64}$.890625	—	22.622	16—	.6299	70—	2.7559
$\frac{13}{32}$.40625	—	10.319	$\frac{29}{32}$.90625	—	23.019	17—	.6693	71—	2.7953
$\frac{27}{64}$.421875	—	10.716	$\frac{59}{64}$.921875	—	23.416	18—	.7087	72—	2.8346
$\frac{7}{16}$.4375	—	11.113	$\frac{15}{16}$.9375	—	23.813	19—	.7480	73—	2.8740
$\frac{29}{64}$.453125	—	11.509	$\frac{61}{64}$.953125	—	24.209	20—	.7874	74—	2.9134
$\frac{15}{32}$.46875	—	11.906	$\frac{31}{32}$.96875	—	24.606	21—	.8268	75—	2.9528
$\frac{31}{64}$.484375	—	12.303	$\frac{63}{64}$.984375	—	25.003	22—	.8661	76—	2.9921
$\frac{1}{2}$.5000	—	12.700	1	1.000	—	25.400	23—	.9055	77—	3.0315

1 mm = .03937"

.001" = .0254 mm

TAP DRILL SIZES

Based on approx. 75% full thread.

NATIONAL COARSE AND FINE THREADS

THREAD	DRILL	THREAD	DRILL	THREAD	DRILL	THREAD	DRILL
1/4-20	NO. 8	3/8-24	Q	9/16-12	31/64	3/4-16	11/16
1/4-28	NO. 3	7/16-14	U	9/16-18	33/64	7/8-9	49/64
5/16-18	F	7/16-20	W	5/8-11	17/32	7/8-14	13/16
5/16-24	I	1/2-13	27/64	5/8-18	37/64		
3/8-16	5/16	1/2-20	29/64	3/4-10	21/32		

PIPE THREADS

THREAD	DRILL	THREAD	DRILL
1/8-27	R	1/2-14	23/32
1/4-18	7/16	3/4-14	59/64
3/8-18	37/64		