

Fraction/Decimal/Metric Equivalents

1/64	.015625"	0.397 mm	33/64	.515625	13.097 mm
1/32	.03125	0.794 mm	17/32	.5315	13.494 mm
3/64	.046875	1.191 mm	35/64	.546875	13.891 mm
1/16	.0625	1.588 mm	9/16	.5625	14.288 mm
5/64	.078125	2.614 mm	37/64	.578125	14.684 mm
3/32	.09375	2.381 mm	19/32	.59375	15.081 mm
7/64	.109375	2.778 mm	39/64	.609375	15.478 mm
1/8	.125	3.175 mm	5/8	.625	15.875 mm
9/64	.140625	3.572 mm	41/64	.640625	16.272 mm
5/32	.15625	3.969 mm	21/32	.65625	16.669 mm
11/64	.171875	4.366 mm	43/64	.671875	17.066 mm
3/16	.1875	4.763 mm	11/16	.6875	17.462 mm
13/64	.203125	5.159 mm	45/64	.703125	17.859 mm
7/32	.21875	5.556 mm	23/32	.71875	18.256 mm
15/64	.234375	5.953 mm	47/64	.734375	18.653 mm
1/4	.250	6.350 mm	3/4	.750	19.050 mm
17/64	.265625	6.747 mm	49/64	.765625	19.447 mm
9/32	.28125	7.144 mm	25/32	.78125	19.844 mm
19/64	.296875	7.541 mm	51/64	.796875	20.241 mm
5/16	.3125	7.938 mm	13/16	.8125	20.638 mm
21/64	.328125	8.334 mm	53/64	.828125	21.034 mm
11/32	.34375	8.731 mm	27/32	.84375	21.431 mm
23/64	.359375	9.128 mm	55/64	.859375	21.828 mm
3/8	.375	9.525 mm	7/8	.875	22.225 mm
25/64	.390625	9.993 mm	57/64	.890625	22.622 mm
13/32	.40625	10.319 mm	29/32	.90625	23.019 mm
27/64	.421875	10.716 mm	59/64	.921875	23.416 mm
7/16	.4375	11.113 mm	15/16	.9375	23.813 mm
29/64	.453125	11.509 mm	61/64	.953125	24.209 mm
15/32	.46875	11.906 mm	31/32	.96875	24.606 mm
31/64	.484375	12.303 mm	63/64	.984375	25.003 mm
1/2	.500"	12.700 mm		1.0000"	25.400 mm

A Morse taper is generally thought of to be a taper of about 5/8" per foot. This is an approximate figure. Early Morse taper standards were established without the benefit of today's accurate measuring equipment. Below is what they actually measure.

MORSE TAPERS

#	per ft.	per in.
0	.6246	.05205
1	.59858	.04988
2	.59941	.04995
3	.60235	.05019
4	.62326	.05193
5	.63151	.05262
6	.62565	.05213
7	.62400	.05200

COMMON CONVERSION FACTORS

To convert from	To	Multiply by
inches	millimeters	25.4
millimeters	inches	0.03937
inches	centimeters	2.54
inches	meters	0.0254
feet	meters	0.3048
meters	feet	3.2808
cubic inches	cubic centimeters	16.387
cubic centimeters	cubic inches	0.061
pounds (avoir.)	kilograms	0.4536
kilograms	pounds (avoir.)	2.20462
ounces (avoir.)	grams	28.3495
grams	ounces (avoir.)	0.03527