

20 FRACTIONAL AND DECIMAL-INCH AND MILLIMETER EQUIVALENTS

Decimal measurements may be set off directly on drawings with the aid of an engineers scale.
Metric measurements may be set off directly on drawings with a metric scale.

4ths	8ths	16ths	32nds	64ths	To 4 Places	To 3 Places	To 2 Places	Milli- meters	4ths	8ths	16ths	32nds	64ths	To 4 Places	To 3 Places	To 2 Places	Milli- meters
				$\frac{1}{64}$	.0156	.016	.02	.397					$\frac{33}{64}$	.5156	.516	.52	13.097
			$\frac{1}{32}$	$\frac{3}{64}$	.0312	.031	.03	.794				$\frac{17}{32}$	$\frac{35}{64}$	.5312	.531	.53	13.494
				$\frac{5}{64}$	.0469	.047	.05	1.191					$\frac{37}{64}$	.5469	.547	.55	13.891
		$\frac{1}{16}$		$\frac{7}{64}$	.0625	.062	.06	1.588			$\frac{9}{16}$		$\frac{39}{64}$	.5625	.562	.56	14.288
			$\frac{3}{32}$	$\frac{9}{64}$	.0781	.078	.08	1.984				$\frac{19}{32}$	$\frac{41}{64}$	.5781	.578	.58	14.684
				$\frac{11}{64}$	.0938	.094	.09	2.381					$\frac{43}{64}$	.5938	.594	.59	15.081
				$\frac{13}{64}$	.1094	.109	.11	2.778					$\frac{45}{64}$	.6094	.609	.61	15.478
		$\frac{1}{8}$		$\frac{15}{64}$	.1250	.125	.12	3.175			$\frac{5}{8}$		$\frac{47}{64}$	.6250	.625	.62	15.875
				$\frac{17}{64}$	.1406	.141	.14	3.572				$\frac{21}{32}$	$\frac{49}{64}$	.6406	.641	.64	16.272
			$\frac{5}{32}$	$\frac{19}{64}$	.1562	.156	.16	3.969					$\frac{51}{64}$	.6562	.656	.66	16.669
				$\frac{21}{64}$	.1719	.172	.17	4.366				$\frac{11}{16}$	$\frac{53}{64}$	.6719	.672	.67	17.066
		$\frac{3}{16}$		$\frac{23}{64}$	.1875	.188	.19	4.762					$\frac{55}{64}$	.6875	.688	.69	17.462
			$\frac{7}{32}$	$\frac{25}{64}$	.2031	.203	.20	5.159					$\frac{57}{64}$	.7031	.703	.70	17.859
				$\frac{27}{64}$	.2188	.219	.22	5.556				$\frac{23}{32}$	$\frac{59}{64}$	.7188	.719	.72	18.256
				$\frac{29}{64}$	.2344	.234	.23	5.953					$\frac{61}{64}$	.7344	.734	.73	18.653
$\frac{1}{4}$				$\frac{31}{64}$	.2500	.250	.25	6.350		$\frac{3}{4}$			$\frac{63}{64}$	.7500	.750	.75	19.050
				$\frac{33}{64}$	.2656	.266	.27	6.747					$\frac{65}{64}$	.7656	.766	.77	19.447
			$\frac{9}{32}$	$\frac{35}{64}$	.2812	.281	.28	7.144				$\frac{25}{32}$	$\frac{67}{64}$	.7812	.781	.78	19.844
		$\frac{5}{16}$		$\frac{37}{64}$	.2969	.297	.30	7.541					$\frac{69}{64}$	.7969	.797	.80	20.241
				$\frac{39}{64}$	.3125	.312	.31	7.938				$\frac{13}{16}$	$\frac{71}{64}$	.8125	.812	.81	20.638
				$\frac{41}{64}$	.3281	.328	.33	8.334					$\frac{73}{64}$	.8281	.828	.83	21.034
			$\frac{11}{32}$	$\frac{43}{64}$	.3438	.344	.34	8.731				$\frac{27}{32}$	$\frac{75}{64}$	.8438	.844	.84	21.431
				$\frac{45}{64}$	.3594	.359	.36	9.128					$\frac{77}{64}$	.8594	.859	.86	21.828
		$\frac{3}{8}$		$\frac{47}{64}$	.3750	.375	.38	9.525			$\frac{7}{8}$		$\frac{79}{64}$	.8750	.875	.88	22.225
				$\frac{49}{64}$	.3906	.391	.39	9.922					$\frac{81}{64}$	.8906	.891	.89	22.622
			$\frac{13}{32}$	$\frac{51}{64}$	.4062	.406	.41	10.319				$\frac{29}{32}$	$\frac{83}{64}$	.9062	.906	.91	23.019
				$\frac{53}{64}$	.4219	.422	.42	10.716					$\frac{85}{64}$	.9219	.922	.92	23.416
		$\frac{7}{16}$		$\frac{55}{64}$	.4375	.438	.44	11.112				$\frac{15}{16}$	$\frac{87}{64}$	.9375	.938	.94	23.812
				$\frac{57}{64}$	.4531	.453	.45	11.509					$\frac{89}{64}$	.9531	.953	.95	24.209
			$\frac{15}{32}$	$\frac{59}{64}$	.4688	.469	.47	11.906					$\frac{91}{64}$	.9688	.969	.97	24.606
				$\frac{61}{64}$	.4844	.484	.48	12.303				$\frac{31}{32}$	$\frac{93}{64}$	.9844	.984	.98	25.003
				$\frac{63}{64}$	.5000	.500	.50	12.700					$\frac{95}{64}$	1.0000	1.000	1.00	25.400