

Beard Widths

For Selected Depths of Drive and Beard Angles

<u>Depth</u>	<u>Width at</u>						<u>This depth used on</u>
	<u>6 deg.</u>	<u>7 deg.</u>	<u>8 deg.</u>	<u>9 deg</u>	<u>10 deg</u>	<u>16 deg.</u>	
0.1251	0.0131	0.0154	0.0176	0.0198	0.0221	0.0359	ATF B-4 (NY/Conner), 120 pt and up
0.1241	0.0130	0.0152	0.0174	0.0197	0.0219	0.0356	ATF B-4 (NY/Conner), 48 – 108 pt
0.0968	0.0102	0.0119	0.0136	0.0153	0.0171	0.0278	ATF B-3 (NY/Conner), 30 – 42 pt
0.0844	0.0089	0.0104	0.0119	0.0134	0.0149	0.0242	ATF STL-3 (Central or St. L.), 36 – 72 pt
0.0758	0.0080	0.0093	0.0107	0.0120	0.0134	0.0217	ATF B-2 (NY/Conner), 14 – 24 pt
0.0750	0.0079	0.0092	0.0105	0.0119	0.0132	0.0215	English Linotype
0.0650	0.0068	0.0080	0.0091	0.0103	0.0115	0.0186	Giant / Super/ Eng. Disp. > 36 pt / N-R
0.0535	0.0056	0.0066	0.0075	0.0085	0.0094	0.0153	ATF STL-2 (Central or St. L), 14 – 30 pt
0.0500	0.0053	0.0061	0.0070	0.0079	0.0088	0.0143	Lanston 14 – 36 pt / Eng. Displ < 36 pt
0.0430	0.0045	0.0053	0.0060	0.0068	0.0076	0.0123	Linotype / Thompson / Compositype
0.0420	0.0044	0.0052	0.0059	0.0067	0.0074	0.0120	ATF B-1 (NY/Conner), 6-12 pt
0.0309	0.0032	0.0038	0.0043	0.0049	0.0054	0.0089	ATF STL-1A (Central or St. L.), 6 – 12 pt
0.0300	0.0032	0.0037	0.0042	0.0048	0.0053	0.0086	Lanston cellular / Eng. Mono. 4 ½ pt

Formula: width = depth * tan (angle)

Note 1: All dimensions in inches.

Note 2: Not all values computed here are sensible.

Note 3: Ludlow overall depth is 0.153, but depth of the beard is smaller and not yet measured.

Note 4: Data for ATF from Rehak, Practical Typecasting.

Note 5: 16 deg. cited by Rehak for ATF molds: B-1/2/3/4, STL-1A/2/3.

REV A. 2015-02-21. DMM for CircuitousRoot

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