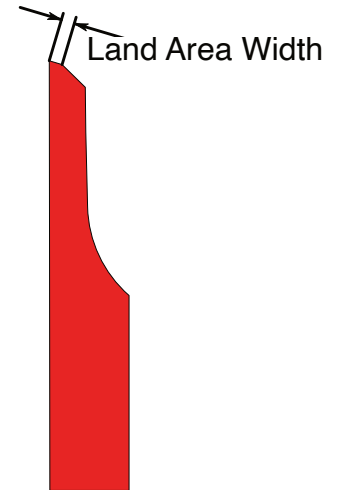


SIMPLEX IDEAL PEERLESS

It is not necessary to use the multiplier when checking variations in a reel, ie cone shaped, or variations from cutting unit to cutting unit. Just use the difference of the Reel Diameter Tape readings.

If you want the actual diameter of the reel, for instance, when determining reel end of life, you will use the multipliers below. First, using calipers, measure the land area width as shown. Then, refer to the table for your reel nominal size, number of blades, and land area width. Then, multiply your Reel Diameter Tape reading by that multiplier. For example: a 5 inch reel with 11 blades and a .050 inches land area width has a multiplier of 1.0123. If your Reel Diameter Tape reading is 4.853 you get $4.853 \times 1.0123 = \text{Ø}4.912$.



5 Inch Reels Multiplier by Land Area Width

	0.000 in	0.025 in	0.050 in	0.075 in	0.100 in	0.150 in	0.200 in	0.300 in
Number of Blades	0.0 mm	0.6 mm	1.3 mm	1.9 mm	2.5 mm	3.8 mm	5.1 mm	7.6 mm
5	1.0690	1.0672	1.0655	1.0639	1.0623	1.0591	1.0559	1.0499
7	1.0344	1.0332	1.0321	1.0310	1.0299	1.0277	1.0256	1.0215
8	1.0262	1.0252	1.0242	1.0232	1.0223	1.0204	1.0186	1.0151
9	1.0206	1.0197	1.0189	1.0180	1.0172	1.0156	1.0140	1.0108
10	1.0166	1.0158	1.0151	1.0143	1.0136	1.0122	1.0107	1.0079
11	1.0137	1.0130	1.0123	1.0116	1.0110	1.0097	1.0084	1.0057
14	1.0084	1.0079	1.0074	1.0068	1.0063	1.0053	1.0043	1.0020
15	1.0073	1.0068	1.0063	1.0059	1.0054	1.0044	1.0035	1.0013

7 Inch Reels Multiplier by Land Area Width

	0.000 in	0.025 in	0.050 in	0.075 in	0.100 in	0.150 in	0.200 in	0.300 in
Number of Blades	0.0 mm	0.6 mm	1.3 mm	1.9 mm	2.5 mm	3.8 mm	5.1 mm	7.6 mm
5	1.0690	1.0677	1.0665	1.0653	1.0641	1.0618	1.0595	1.0551
7	1.0344	1.0335	1.0327	1.0319	1.0311	1.0295	1.0280	1.0250
8	1.0262	1.0255	1.0247	1.0240	1.0234	1.0220	1.0207	1.0181
9	1.0206	1.0200	1.0193	1.0187	1.0181	1.0169	1.0158	1.0135
10	1.0166	1.0161	1.0155	1.0150	1.0144	1.0134	1.0124	1.0103
11	1.0137	1.0132	1.0127	1.0122	1.0117	1.0108	1.0099	1.0080
14	1.0084	1.0080	1.0077	1.0073	1.0069	1.0062	1.0055	1.0040
15	1.0073	1.0070	1.0066	1.0063	1.0059	1.0052	1.0046	1.0032