



Table 1 Dimensions of Hardened Ground Machine Dowel Pins

Nominal Size or Nominal Pin Diameter	A						B		C	R	
	Pin Diameter						Point Diameter		Crown Height	Crown Radius	
	Standard Series Pins			Oversize Series Pins							
	Basic	Max	Min	Basic	Max	Min	Max	Min	Max	Min	
1/16	0.0625	0.0627	0.0628	0.0626	0.0635	0.0636	0.0634	0.058	0.048	0.020	0.008
*5/64	0.0781	0.0783	0.0784	0.0782	0.0791	0.0792	0.0790	0.074	0.064	0.026	0.010
3/32	0.0938	0.0940	0.0941	0.0939	0.0948	0.0949	0.0947	0.089	0.079	0.031	0.012
1/8	0.1250	0.1252	0.1253	0.1251	0.1260	0.1261	0.1259	0.120	0.110	0.041	0.016
*5/32	0.1562	0.1564	0.1565	0.1563	0.1572	0.1573	0.1571	0.150	0.140	0.052	0.020
3/16	0.1875	0.1877	0.1878	0.1876	0.1885	0.1886	0.1884	0.180	0.170	0.062	0.023
1/4	0.2500	0.2502	0.2503	0.2501	0.2510	0.2511	0.2509	0.240	0.230	0.083	0.031
5/16	0.3125	0.3127	0.3128	0.3126	0.3135	0.3136	0.3134	0.302	0.290	0.104	0.039
3/8	0.3750	0.3752	0.3753	0.3751	0.3760	0.3761	0.3759	0.365	0.350	0.125	0.047
7/16	0.4375	0.4377	0.4378	0.4376	0.4385	0.4386	0.4384	0.424	0.409	0.146	0.055
1/2	0.5000	0.5002	0.5003	0.5001	0.5010	0.5011	0.5009	0.486	0.471	0.167	0.063
5/8	0.6250	0.6252	0.6253	0.6251	0.6260	0.6261	0.6259	0.611	0.595	0.208	0.078
3/4	0.7500	0.7502	0.7503	0.7501	0.7510	0.7511	0.7509	0.735	0.715	0.250	0.094
7/8	0.8750	0.8752	0.8753	0.8751	0.8760	0.8761	0.8759	0.860	0.840	0.293	0.109
1	1.0000	1.0002	1.0003	1.0001	1.0010	1.0011	1.0009	0.980	0.960	0.333	0.125
See Notes 1											

NOTES:

- (1) Where specifying nominal size as basic diameter, zeros preceding the decimal and in the fourth decimal place shall be omitted.
- (2) For additional requirements, refer to Introductory Notes and General Data for Hardened Ground Machine Dowel Pins, pages L-44 and L-45.

* Nonpreferred sizes, not recommended for use in new designs.

1.7 Referenced Standards

(Refer to the complete specification, see page N-38.)

2. GENERAL DATA FOR HARDENED GROUND MACHINE DOWEL PINS

2.1 Diameters

2.1.1 Size. Hardened ground machine dowel pins are furnished in two diameter series: Standard Series having basic diameters 0.0002 in. over the nominal diameter, intended for initial installations; and Oversize Series having basic diameters 0.001 in. over the nominal diameter, intended for replacement use. For both series the diameter shall be ground, or ground and lapped, to within ± 0.0001 in. of the respective basic diameters, as specified in Table 1.