

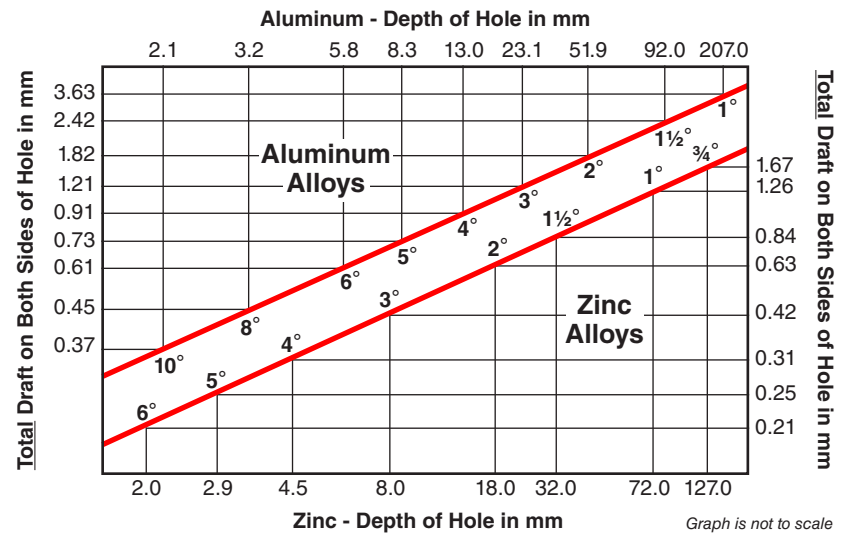
Y METRIC EQUIVALENTS

inches	mm	inches	mm	inches	mm	inches	mm
0.0001	0.0025	0.160	4.064	0.490	12.446	0.820	20.828
0.0002	0.0051	0.170	4.318	0.500	12.700	0.830	21.082
0.0003	0.0076	0.180	4.572	0.510	12.954	0.840	21.336
0.0004	0.0102	0.190	4.826	0.520	13.208	0.850	21.590
0.0005	0.0127	0.200	5.080	0.530	13.462	0.860	21.844
0.0006	0.0152	0.210	5.334	0.540	13.716	0.870	22.098
0.0007	0.0178	0.220	5.588	0.550	13.970	0.880	22.352
0.0008	0.0203	0.230	5.842	0.560	14.224	0.890	22.606
0.0009	0.0229	0.240	6.096	0.570	14.478	0.900	22.860
0.001	0.025	0.250	6.350	0.580	14.732	0.910	23.114
0.002	0.051	0.260	6.604	0.590	14.986	0.920	23.368
0.003	0.076	0.270	6.858	0.600	15.240	0.930	23.622
0.004	0.102	0.280	7.112	0.610	15.494	0.940	23.876
0.005	0.127	0.290	7.366	0.620	15.748	0.950	24.130
0.006	0.152	0.300	7.620	0.630	16.002	0.960	24.384
0.007	0.178	0.310	7.874	0.640	16.256	0.970	24.638
0.008	0.203	0.320	8.128	0.650	16.510	0.980	24.892
0.009	0.229	0.330	8.382	0.660	16.764	0.990	25.146
0.010	0.254	0.340	8.636	0.670	17.018	1.0	25.4
0.020	0.508	0.350	8.890	0.680	17.272	2.0	50.8
0.030	0.762	0.360	9.144	0.690	17.526	3.0	76.2
0.040	1.016	0.370	9.398	0.700	17.780	4.0	101.6
0.050	1.270	0.380	9.652	0.710	18.034	5.0	127.0
0.060	1.524	0.390	9.906	0.720	18.288	6.0	152.4
0.070	1.778	0.400	10.160	0.730	18.542	7.0	177.8
0.080	2.032	0.410	10.414	0.740	18.796	8.0	203.2
0.090	2.286	0.420	10.668	0.750	19.050	9.0	228.6
0.100	2.540	0.430	10.922	0.760	19.304	10.0	254.0
0.110	2.794	0.440	11.176	0.770	19.558	11.0	279.4
0.120	3.048	0.450	11.430	0.780	19.812	12.0	304.8
0.130	3.302	0.460	11.684	0.790	20.066	13.0	330.2
0.140	3.556	0.470	11.938	0.800	20.320	14.0	355.6
0.150	3.810	0.480	12.192	0.810	20.574	15.0	381.0

CONVERSION FORMULAS

Multiply By	From → To		Multiply By
	To ←	From ←	
0.0394	inch	millimeter	25.4
0.0016	inch ²	millimeter ²	645.16
0.061	inch ³	centimeter ³	16.3871
0.2642	gallon (U.S.)	liter	3.7854
0.03527	oz. (avdp.)	gram	28.3495
2.2044	pound	kilogram	0.4536
62.43	lbs/ft ³	g/cm ³	0.0160
1.8°C+32	°F	°C	(°F-32)/1.8
0.145	psi	kPa	6.8948
14.2247	psi	kg/cm ²	0.0703

Y DRAFT REQUIREMENTS IN CORED HOLES



EXAMPLE: In an aluminum die casting, a cored cylindrical hole that is 23.1 mm deep will have a total draft of 3°, or 1½° per side, which is 1.21 mm total draft (taper), or 0.605 mm draft (taper) per side.

Note - The values shown herein represent normal production practice at the most economic level. Lesser draft involving extra close work or care in production should be specified only when and where necessary since additional cost may be involved.



**ISO/TS
16949:2009
ISO 9001:2008
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2520 Needmore Road
 Dayton, Ohio 45414
937-278-5769
 937-278-6321 Fax
 www.yoderindustries.com