

Clearance Chart



Die
Punch
Clearance

Hole Diameter		Material Thickness & Recommended Die Size				
Size	Dec.	0.1196	0.2500	0.3125	0.3750	0.5000
1/16	0.0625					
5/64	0.0781					
3/32	0.0938					
7/64	0.1094	0.1285				
1/8	0.1250	0.1441				
9/64	0.1406	0.1598				
5/32	0.1563	0.1754				
11/64	0.1719	0.1910				
3/16	0.1875	0.2066				
13/64	0.2031	0.2223				
7/32	0.2188	0.2379				
15/64	0.2344	0.2535				
1/4	0.2500	0.2691	0.2900			
17/64	0.2656	0.2848	0.3056			
9/32	0.2813	0.3004	0.3213			
19/64	0.2969	0.3160	0.3369			
5/16	0.3125	0.3316	0.3525	0.3625		
21/64	0.3281	0.3473	0.3681	0.3781		
11/32	0.3438	0.3629	0.3838	0.3938		
23/64	0.3594	0.3785	0.3994	0.4094		
3/8	0.3750	0.3941	0.4150	0.4250	0.4350	
25/64	0.3906	0.4098	0.4306	0.4406	0.4506	
13/32	0.4063	0.4254	0.4463	0.4563	0.4663	
27/64	0.4219	0.4410	0.4619	0.4719	0.4819	
7/16	0.4375	0.4566	0.4775	0.4875	0.4975	
29/64	0.4531	0.4723	0.4931	0.5031	0.5131	
15/32	0.4688	0.4879	0.5088	0.5188	0.5288	
31/64	0.4844	0.5035	0.5244	0.5344	0.5444	
1/2	0.5000	0.5191	0.5400	0.5500	0.5600	0.5800
33/64	0.5156	0.5348	0.5556	0.5656	0.5756	0.5956
17/32	0.5313	0.5504	0.5713	0.5813	0.5913	0.6113
35/64	0.5469	0.5660	0.5869	0.5969	0.6069	0.6269
9/16	0.5625	0.5816	0.6025	0.6125	0.6225	0.6425
37/64	0.5781	0.5973	0.6181	0.6281	0.6381	0.6581
19/32	0.5938	0.6129	0.6338	0.6438	0.6538	0.6738
39/64	0.6094	0.6285	0.6494	0.6594	0.6694	0.6894
5/8	0.6250	0.6441	0.6650	0.6750	0.6850	0.7050
41/64	0.6406	0.6598	0.6806	0.6906	0.7006	0.7206
21/32	0.6563	0.6754	0.6963	0.7063	0.7163	0.7363
43/64	0.6719	0.6910	0.7119	0.7219	0.7319	0.7519
11/16	0.6875	0.7066	0.7275	0.7375	0.7475	0.7675
45/64	0.7031	0.7223	0.7431	0.7531	0.7631	0.7831
23/32	0.7188	0.7379	0.7588	0.7688	0.7788	0.7988
47/64	0.7344	0.7535	0.7744	0.7844	0.7944	0.8144

Hole Diameter		Material Thickness & Recommended Die Size				
Size	Dec.	0.1196	0.2500	0.3125	0.3750	0.5000
3/4	0.7500	0.7691	0.7900	0.8000	0.8100	0.8300
49/64	0.7656	0.7848	0.8056	0.8156	0.8256	0.8456
25/32	0.7813	0.8004	0.8213	0.8313	0.8413	0.8613
51/64	0.7969	0.8160	0.8369	0.8469	0.8569	0.8769
13/16	0.8125	0.8316	0.8525	0.8625	0.8725	0.8925
53/64	0.8281	0.8473	0.8681	0.8781	0.8881	0.9081
27/32	0.8438	0.8629	0.8838	0.8938	0.9038	0.9238
55/64	0.8594	0.8785	0.8994	0.9094	0.9194	0.9394
7/8	0.8750	0.8941	0.9150	0.9250	0.9350	0.9550
57/64	0.8906	0.9098	0.9306	0.9406	0.9506	0.9706
29/32	0.9063	0.9254	0.9463	0.9563	0.9663	0.9863
59/64	0.9219	0.9410	0.9619	0.9719	0.9819	1.0019
15/16	0.9375	0.9566	0.9775	0.9875	0.9975	1.0175
61/64	0.9531	0.9723	0.9931	1.0031	1.0131	1.0331
31/32	0.9688	0.9879	1.0088	1.0188	1.0288	1.0488
63/64	0.9844	1.0035	1.0244	1.0344	1.0444	1.0644
1	1.0000	1.0191	1.0400	1.0500	1.0600	1.0800
1 1/64	1.0156	1.0348	1.0556	1.0656	1.0756	1.0956
1 1/32	1.0313	1.0504	1.0713	1.0813	1.0913	1.1113
1 3/64	1.0469	1.0660	1.0869	1.0969	1.1069	1.1269
1 1/16	1.0625	1.0816	1.1025	1.1125	1.1225	1.1425
1 5/64	1.0781	1.0973	1.1181	1.1281	1.1381	1.1581
1 3/32	1.0938	1.1129	1.1338	1.1438	1.1538	1.1738
1 7/64	1.1094	1.1285	1.1494	1.1594	1.1694	1.1894
1 1/8	1.1250	1.1441	1.1650	1.1750	1.1850	1.2050
1 9/64	1.1406	1.1598	1.1806	1.1906	1.2006	1.2206
1 5/32	1.1563	1.1754	1.1963	1.2063	1.2163	1.2363
1 11/64	1.1719	1.1910	1.2119	1.2219	1.2319	1.2519
1 3/16	1.1875	1.2066	1.2275	1.2375	1.2475	1.2675
1 13/64	1.2031	1.2223	1.2431	1.2531	1.2631	1.2831
1 7/32	1.2188	1.2379	1.2588	1.2688	1.2788	1.2988
1 15/64	1.2344	1.2535	1.2744	1.2844	1.2944	1.3144
1 1/4	1.2500	1.2691	1.2900	1.3000	1.3100	1.3300
1 17/64	1.2656	1.2848	1.3056	1.3156	1.3256	1.3456
1 9/32	1.2813	1.3004	1.3213	1.3313	1.3413	1.3613
1 19/64	1.2969	1.3160	1.3369	1.3469	1.3569	1.3769
1 5/16	1.3125	1.3316	1.3525	1.3625	1.3725	1.3925
1 21/64	1.3281	1.3473	1.3681	1.3781	1.3881	1.4081
1 11/32	1.3438	1.3629	1.3838	1.3938	1.4038	1.4238
1 23/64	1.3594	1.3785	1.3994	1.4094	1.4194	1.4394
1 3/8	1.3750	1.3941	1.4150	1.4250	1.4350	1.4550
1 25/64	1.3906	1.4098	1.4306	1.4406	1.4506	1.4706
1 13/32	1.4063	1.4254	1.4463	1.4563	1.4663	1.4863
1 27/64	1.4219	1.4410	1.4619	1.4719	1.4819	1.5019

Hole Diameter		Material Thickness & Recommended Die Size				
Size	Dec.	0.1196	0.2500	0.3125	0.3750	0.5000
1 7/16	1.4375	1.4566	1.4775	1.4875	1.4975	1.5175
1 29/64	1.4531	1.4723	1.4931	1.5031	1.5131	1.5331
1 15/32	1.4688	1.4879	1.5088	1.5188	1.5288	1.5488
1 31/64	1.4844	1.5035	1.5244	1.5344	1.5444	1.5644
1 1/2	1.5000	1.5191	1.5400	1.5500	1.5600	1.5800
1 33/64	1.5156	1.5348	1.5556	1.5656	1.5756	1.5956
1 17/32	1.5313	1.5504	1.5713	1.5813	1.5913	1.6113
1 35/64	1.5469	1.5660	1.5869	1.5969	1.6069	1.6269
1 9/16	1.5625	1.5816	1.6025	1.6125	1.6225	1.6425
1 37/64	1.5781	1.5973	1.6181	1.6281	1.6381	1.6581
1 19/32	1.5938	1.6129	1.6338	1.6438	1.6538	1.6738
1 39/64	1.6094	1.6285	1.6494	1.6594	1.6694	1.6894
1 5/8	1.6250	1.6441	1.6650	1.6750	1.6850	1.7050
1 41/64	1.6406	1.6598	1.6806	1.6906	1.7006	1.7206
1 21/32	1.6563	1.6754	1.6963	1.7063	1.7163	1.7363
1 43/64	1.6719	1.6910	1.7119	1.7219	1.7319	1.7519
1 11/16	1.6875	1.7066	1.7275	1.7375	1.7475	1.7675
1 45/64	1.7031	1.7223	1.7431	1.7531	1.7631	1.7831
1 23/32	1.7188	1.7379	1.7588	1.7688	1.7788	1.7988
1 47/64	1.7344	1.7535	1.7744	1.7844	1.7944	1.8144
1 3/4	1.7500	1.7691	1.7900	1.8000	1.8100	1.8300
1 49/64	1.7656	1.7848	1.8056	1.8156	1.8256	1.8456
1 25/32	1.7813	1.8004	1.8213	1.8313	1.8413	1.8613
1 51/64	1.7969	1.8160	1.8369	1.8469	1.8569	1.8769
1 13/16	1.8125	1.8316	1.8525	1.8625	1.8725	1.8925
1 53/64	1.8281	1.8473	1.8681	1.8781	1.8881	1.9081
1 27/32	1.8438	1.8629	1.8838	1.8938	1.9038	1.9238
1 55/64	1.8594	1.8785	1.8994	1.9094	1.9194	1.9394
1 7/8	1.8750	1.8941	1.9150	1.9250	1.9350	1.9550
1 57/64	1.8906	1.9098	1.9306	1.9406	1.9506	1.9706
1 29/32	1.9063	1.9254	1.9463	1.9563	1.9663	1.9863
1 59/64	1.9219	1.9410	1.9619	1.9719	1.9819	2.0019
1 15/16	1.9375	1.9566	1.9775	1.9875	1.9975	2.0175
1 61/64	1.9531	1.9723	1.9931	2.0031	2.0131	2.0331
1 31/32	1.9688	1.9879	2.0088	2.0188	2.0288	2.0488
1 63/64	1.9844	2.0035	2.0244	2.0344	2.0444	2.0644
2	2.0000	2.0191	2.0400	2.0500	2.0600	2.0800



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