

# Technical Data

## Die Clearances

### Standard Die Sizes

MATERIAL THICKNESS (MILD STEEL)							
1/32	1/16	1/8	3/16	1/4	5/16	3/8	1/2
NOMINAL U.S. STANDARD SHEET STEEL GAGES							
22-18 GA.	17-13 GA.	12-9 GA.	8-6 GA.	5-3 GA.	—	—	—
DIE CLEARANCE (DECIMALS)							
.006	.012	.018	.028	.043	.062	.075	.100

Standard Punch Size									
3/32	.0937	.100	.106	—	—	—	—	—	—
7/64	.1093	.115	.121	—	—	—	—	—	—
1/8	.1250	.131	.137	.142	—	—	—	—	—
9/64	.1406	.147	.153	.159	—	—	—	—	—
5/32	.1562	.162	.168	.174	—	—	—	—	—
11/64	.1719	.178	.184	.190	—	—	—	—	—
3/16	.1875	.194	.200	.206	.215	—	—	—	—
13/64	.2031	.209	.215	.221	.230	—	—	—	—
7/32	.2187	.224	.230	.237	.246	—	—	—	—
15/64	.2343	.240	.246	.252	.262	—	—	—	—
1/4	.2500	.256	.262	.269	.278	.293	—	—	—
17/64	.2656	.272	.278	.284	.293	.309	—	—	—
9/32	.2812	.287	.293	.299	.309	.324	—	—	—
19/64	.2969	.303	.309	.315	.324	.340	—	—	—
5/16	.3125	.318	.324	.330	.340	.356	.377	—	—
21/64	.3281	.334	.340	.346	.356	.371	.381	—	—
11/32	.3437	.350	.356	.362	.371	.387	.403	—	—
23/64	.3593	.365	.371	.377	.387	.403	.424	—	—
3/8	.3750	.381	.387	.393	.403	.418	.440	.450	—
25/64	.3906	.397	.403	.409	.418	.434	.450	.465	—
13/32	.4062	.412	.418	.424	.434	.450	.471	.481	—
27/64	.4219	.428	.434	.440	.450	.465	.487	.496	—
7/16	.4375	.444	.450	.456	.465	.481	.502	.512	—
29/64	.4531	.459	.465	.471	.481	.496	.518	.528	—
15/32	.4687	.475	.481	.487	.496	.512	.534	.543	—
31/64	.4843	.490	.496	.502	.512	.528	.549	.559	—
1/2	.5000	.506	.512	.518	.528	.543	.565	.575	.600
33/64	.5156	.522	.528	.534	.543	.559	.581	.590	.615
17/32	.5312	.537	.543	.549	.559	.575	.596	.606	.631
35/64	.5469	.553	.559	.565	.575	.590	.612	.621	.647
9/16	.5625	.569	.575	.581	.590	.606	.627	.637	.662
37/64	.5781	.584	.590	.596	.606	.621	.643	.653	.678
19/32	.5937	.600	.606	.612	.621	.637	.659	.668	.694
39/64	.6093	.615	.621	.627	.637	.653	.674	.684	.709
5/8	.6250	.631	.637	.643	.653	.668	.690	.700	.725
41/64	.6406	.647	.653	.659	.668	.684	.706	.715	.740
21/32	.6562	.662	.668	.674	.684	.700	.721	.731	.756
43/64	.6719	.678	.684	.690	.700	.715	.737	.746	.772
11/16	.6875	.694	.700	.706	.715	.731	.752	.762	.787
45/64	.7035	.709	.715	.721	.731	.746	.768	.778	.803
23/32	.7187	.725	.731	.737	.746	.762	.784	.793	.819
47/64	.7343	.740	.746	.752	.762	.778	.799	.809	.834
3/4	.7500	.756	.762	.768	.778	.793	.815	.825	.850
49/64	.7656	.772	.778	.784	.793	.809	.831	.840	.865
25/32	.7812	.787	.793	.799	.809	.825	.846	.856	.881

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