

INDEX & CHARTS

Reference Table



INCH/METRIC DRILL-TAP-WIRE EQUIVALENTS TABLE

Inches	Metric (mm)	Twist Drill	B&S Wire	U.S. Plate	Tap Drill	Clearance Hole	Inches	Metric (mm)	Twist Drill	B&S Wire	U.S. Plate	Tap Drill	Clearance Hole	Inches	Metric (mm)	Twist Drill	B&S Wire	U.S. Plate	Tap Drill	Clearance Hole	Inches	Metric (mm)	Twist Drill	B&S Wire	U.S. Plate	Tap Drill	Clearance Hole
.0003936	.0100						.03196	.8118		20				.0995	2.5273	#39					.209	5.3086	#4				
.001	.0254						.032	.8128	#67					.1	2.5400						.2125984	5.4000	5.40mm				
.002	.0508						.033	.8382	#66					.1003937	2.5500	2.55mm					.213	5.4102	#3				
.003	.0762						.0334646	.8500	.85mm			1.0mm		.1015	2.5781	#38					.2165354	5.5000	5.50mm				
.003145	.0799	40					.034	.8636						.1019	2.5883		10				.21875	5.5562	7/32		5		
.003531	.0897	39					.034375	.8731			21			.1023622	2.6000	2.60mm					.2204724	5.6000	5.60mm				
.003965	.1007	38					.035	.8890	#65			00-90		.104	2.6416	#37					.221	5.6134	#2				
.004	.1016						.0035433	.9000	.90mm					.1043397	2.6500	2.65mm					.2244095	5.7000	5.70mm				
.004453	.1131	37					.03589	.9116		19				.1062992	2.7000	2.70mm					.228	5.7912	#1				
.005	.1270	36					.036	.9144	#64					.1065	2.7051	#36					.2283465	5.8000	5.80mm				
.005614	.1426	35					.037	.9398	#63					.1082677	2.7500	2.75mm					.2294	5.8268		3			
.0059	.1499	#97					.0374016	.9500	.95mm					.109375	2.7781	1/64			12		.2322834	5.9000	5.90mm				
.006	.1524						.0375	.9525	.0		20			.11	2.7940	#35					.234	5.9436	A				
.00625	.1587			38			.038	.9625	#62					.1102362	2.8000	2.80mm					.234375	5.9531	11/64		4		
.0063	.1600	#96					.039	.9606	#61					.111	2.8194	#34					.2362204	6.0000	6.00mm				
.006304	.1601	34					.0393701	1.0000	1.00mm			1.2mm		.112	2.8448						.238	6.0452	B				
.0066406	.1687			37			.04	1.0160	#60					.1122047	2.8500	2.85mm					.2401574	6.1000	6.10mm				6.0mm
.0067	.1702	#95					.0403	1.0236		18				.113	2.8702	#33					.242	6.1468	C				
.007	.1720						.041	1.0414	#59					.1141732	2.9000	2.90mm					.246	6.2484	D				
.0070312	.1786			36			.0413386	1.0500	1.05mm					.1144	2.9058		9				.25	6.3500	1/4-E	3		1/4-20	
.00708	.1798	33					.042	1.0668	#58					.116	2.9464	#32					.2559055	6.5000	6.50mm				
.0071	.1803	#94					.043	1.0922	#57					.1161417	2.9500	2.95mm					.257	6.5278	F		5/16-18	1/4-20	
.0075	.1905	#93					.0433971	1.1000	1.10mm				1.0mm	.1181102	3.0000	3.00mm					.2756	6.5430		2			
.0078125	.1948	1/128		35			.04375	1.1112			19			.12	3.0480	#31					.261	6.6294	G				
.0078740	.2000	20mm					.044	1.1176						.1279528	3.2500	3.25mm					.265625	6.7462	17/64		2		
.0079	.2007	#92					.0444444	1.1289						.1285	3.2639	#30	8				.266	6.7564	H				
.00795	.2019	32					.04526	1.1496		17		1.4mm		.1299213	3.3000	3.30mm					.272	6.9088	I				
.008	.2032						.0452756	1.1500	1.15mm					.13	3.3020						.2755906	7.0000	7.00mm				
.0083	.2108	#91					.0465	1.1811	#56					.1318898	3.3500	3.35mm					.277	7.0358	J				
.0085937	.2183			34			.046875	1.1906	3/64			0-80		.1338583	3.4000	3.40mm					.281	7.1374	K				
.0097	.2210	#90					.0472441	1.2000	1.20mm					.1358268	3.4500	3.45mm					.28125	7.1437	9/32		1		
.008928	.2261	31					.0492126	1.2500	1.25mm			1.6mm		.136	3.4544	#29					.2893	7.3482					
.009	.2286						.049261	1.2512						.1377726	3.4994						.29	7.3660	L				
.0091	.2231	#89					.05	1.2700		18				.1377953	3.5000	3.50mm					.295	7.4930	M				
.009375	.2381			33			.05082	1.2908		16				.138	3.5052						.2952756	7.5000	7.50mm				
.0095	.2413	#88					.0511811	1.3000	1.30mm			1.7mm	1.2mm	.14	3.5560					.296875	7.5387	19/64					
.0098425	.2500	25mm					.052	1.3208	#55				00-90	.1405	3.5687	#28					.302	7.6708	N				
.01	.2540	#87					.0531469	1.35	1.35mm					.140625	5.5719	9/64			10		.3125	7.9375	5/16		0	3/8-16	
.01003	.2548	30					.055	1.3970	#54					.1417323	3.6000	3.60mm					.3149606	8.0000	8.00mm				
.0101562	.2580			32			.0551181	1.4000	1.4mm					.144	3.6576	#27					.316	8.0264	O				5/16-18
.0105	.2667	#86					.05625	1.4287			17			.1443	3.6652		7				.323	8.2042	P				
.0109375	.2778			31			.05707	1.4496		15				.1456693	3.7000	3.70mm					.3249	8.2525		0			
.0111	.2819	#85					.0570866	1.4500	1.45mm			1.8mm		.147	3.7338	#26					.328125	8.3347	21/64				
.01126	.2860	29					.0590551	1.5000	1.50mm			1.4mm		.1495	3.7973	#25					.332	8.4328	Q				
.011481	.2916						.0595	1.5113	#53			1-72		.1496063	3.8000	3.80mm					.339	8.6106	R				
.0115	.2921	#84					.06	1.5240						.15	3.8100						.34375	8.7312	11/32		2/0		
.011811	.3000	.30mm					.0610236	1.5500	1.55mm					.152	3.8608	#24					.348	8.8392	S				
.012	.3048	#83					.0625	1.5875	1/16		16			.1535433	3.9000	3.90mm					.3543307	9.0000	9.00mm				
.0125	.3175	#82		30			.0629921	1.6000	1.60mm			2.00		.154	3.9116	#23					.358	9.0932	T				
.01264	.3210	28					.063	1.6002						.15625	3.9687	5/32			9		.359375	9.1281	23/64				
.013	.3302	#81					.0635	1.6129	#52					.157	3.9878	#22					.3648	9.2659		2/0			
.0135	.0000	#80					.06408	1.6276		14				.1574803	4.0000	4.00mm					.368	9.3472	U				
.0137795	.3500	.35mm			0000-160		.0649066	1.6500	1.65mm					.159	4.0386	#21					.375	9.5250	V		3/0		
.0140625	.3572			29			.0669291	1.7000	1.70mm			1.6mm		.16	4.0640						.377	9.5758	W				
.01419	.3604	27					.067	1.71018	#51					.161	4.0894	#20				10-32	.386	9.8044	W				3/8-16
.0145	.3683	#79					.068976	1.7000	1.75mm			2.2mm		.1614173	4.1000	4.10mm					.390625	9.9219	25/64				
.015	.3810						.07	1.7780	#50			2-56		.162	4.1148		6				.393701	10.0000	10.00mm				
.015625	.3969	1/64		28			.0703125	1.7859			15			.164	4.1656						.397	10.0838	X				
.0157480	.4000	.40mm					.0708661	1.8000	1.80mm					.1653543	4.2000	4.20mm					.404	10.2616	Y				
.01594	.4049	26					.07196	1.8278			13			.166	4.2164	#19					.40625	10.3187	13/32		4/0		
.016	.4064	#78					.072	1.8288						.1692913	4.3000	4.30mm					.4096	10.4038		3/0			
.0171875	.4366			27			.0728346	1.8500	1.85mm			1.8mm		.1695	4.3053	#18					.413	10.4902	Z				
.0177165	.4500	.45mm					.073	1.8542	#49					.17	4.3280						.4218745	10.7156	27/64				
.0179	.4547	25					.0748031	1.9000	1.90mm					.171875	4.3656	11/64			8		.433071	11.0000	11.00mm				
.018	.4572	#77					.075	1.9050						.173	4.3942	#17					.4375	11.1125	7/16		5/0		
.01875	.4762			26			.076	1.9304	#48					.1732283	4.4000	4.40mm											