U.S.D.A., Agricultural Research Service, Agricultural Engineering Research Div.
Small Seed Harvesting & Processing Investigations, Corvallis, Oregon

DECIMAL EQUIVALENTS OF SCREEN HOLE DESIGNATIONS, DRILL SIZES, AND SHEET METAL THICKNESS

Decimal * Equivalents	Screen Hole Designation ** Fractions	64ths	Millimeter	Drill No. (Wire Ga.)	Sh. Metal (U.S.Std.Ga.)
1.0000	1	64	25.40		
0.9844		63			
0.9688		62			
0.9531		61			
0.9375		60			
0.9219		59			
0.9063		58			
0.8906		57			
0.8750		56			
0.8594		55			
0.8438		54			
0.8281		53			
0.8125		52			
0.7969		51			
0.7874			20.00		
0.7813		50			
0.7656		49			
0.7500		48			
0.7480			19.00		
0.7344		47			
0.7188		46			
0.7087			18.00		
0.7031		45			
0.6875		44			
0.6719		43			
0.6693			17.00		
0.6563		42			
0.6406		41			
0.6299			16.00		
0.6250		40			
0.6094		39			
0.5938		38			
0.5906			15.00		
0.5781		37			
0.5625		36			
0.5512			14.00		
0.5469		35			
0.5313		34			
0.5156		33			
0.5118			13.00		
0.5000	1/2	32			
0.4844		31			
0.4724			12.00		
0.4688		30			000000
0.4531		29			
0.4375		28			00000
0.4331			11.00		

Decimal * Equivalents:	Screen Hole Designation ** Fractions	64ths	Millimeter	Drill No. (Wire Ga.)	Sh. Metal (U.S.Std.Ga.)
0.4219		27			
0.4063		26			0000
0.3937			10.00		
0.3906		25			
0.3750		24			000
0.3672		23½			
0.3594		23			
0.3543			9.00		
0.3516		22½			
0.3438		22			00
0.3333	1/3				
0.3281		21			
0.3203		20½			
0.3150			8.00		
0.3125		20			0
0.3047		19½			
0.2969		19			
0.2891		18½			
0.2852		18¼			
0.2813		18			1
0.2756			7.00		
0.2734		17½			
0.2656		17			2
0.2578		16½			
0.2500	1/4	16			3
0.2422		15½			
0.2362			6.00		
0.2344		15			4
0.2280				1	
0.2266		14½			
0.2210				2	
0.2188		14			5
0.2165			5.50		
0.2130				3	
0.2109	13½				
0.2090				4	
0.2055				5	
0.2040				6	
0.2031		13			6
0.2010				7	
0.2000	1/5				
0.1990				8	
0.1969			5.00		
0.1960				9	
0.1953		12½			
0.1935				10	
0.1910				11	

Decimal * Equivalents	Screen Hole Designation ** Fractions	64ths	Millimeter	Drill No. (Wire Ga.)	Sh. Metal (U.S.Std.Ga.)
0.1890				12	
0.1875		12			7
0.1850				12	
0.1820				14	
0.1800				15	
0.1797		11½			
0.1772			4.50		
0.1770				16	
0.1730				17	
0.1719		11			8
0.1695				18	
0.1667	1/6				
0.1660				19	
0.1641		10½			
0.1610				20	
0.1590				21	
0.1575			4.00		
0.1570				22	
0.1563		10			9
0.1540				23	
0.1520				24	
0.1496			3.80		
0.1495				25	
0.1484		9½			
0.1470				26	
0.1440				27	
0.1429	1/7				
0.1417			3.60		
0.1406		9			10
0.1405				28	
0.1360				29	
0.1339			3.40		
0.1328		8½			
0.1285				30	
0.1260			3.20		
0.1250	1/8	8			11
0.1200				31	
0.1181			3.00		
0.1172		7½			
0.1160				32	
0.1142			2.90		
0.1133		7¼			
0.1130				33	
0.1110	1/9			34	
0.1102			2.80		
0.1100				35	
0.1094		7			12
0.1065				36	
0.1063			2.70		
0.1055		6-3/4			

Decimal * Equivalents	Screen Hole Designation ** Fractions	64ths	Millimeter	Drill No. (Wire Ga.)	Sh. Metal (U.S.Std.Ga.)
0.1040				37	
0.1024			2.60		
0.1016		6½			
0.1015				38	
0.1000	1/10				
0.0995				39	
0.0984			2.50		
0.0980				40	
0.0977		6¼			
0.0960				41	
0.0945			2.40		
0.0937		6			13
0.0935				42	
0.0909	1/11				
0.0906			2.30		
0.0898		5-3/4			
0.0890				43	
0.0866			2.20		
0.0860				44	
0.0859		5½			
0.0833	1/12				
0.0827			2.10		
0.0820		5¼		45	
0.0810				46	
0.0787			2.00		
0.0785				47	
0.0781		5			14
0.0769	1/13				
0.0768			1.95		
0.0762		4-7/8			
0.0760				48	
0.0748			1.90		
0.0742		4-3/4			
0.0730				49	
0.0728			1.85		
0.0714	1/14				
0.0709			1.80		
0.0703		4½			15
0.0700				50	
0.0689			1.75		
0.0670				51	
0.0669			1.70		
0.0667	1/15				
0.0664		4¼			
0.0650			1.65		
0.0635				52	
0.0630			1.60		
0.0625	1/16	4			16
0.0620			1.55		
0.0606				53	
0.0591			1.50		
0.0588	1/17				

Decimal * Equivalents	Screen Hole Designations ** Fractions	64ths	Millimeter	Drill No. (Wire Ga.)	Sh. Metal (U.S.Std.Ga.)
0.0586		3-3/4			
0.0571			1.45		
0.0563					17
0.0556	1/18				
0.0551			1.40		
0.0550				54	
0.0547		3-1/2			
0.0531			1.35		
0.0526	1/19				
0.0520				55	
0.0512			1.30		
0.0508		3-1/4			
0.0500	1/20				18
0.0492			1.25		
0.0476	1/21				
0.0472			1.20		
0.0469		3			
0.0465				56	
0.0455	1/22				
0.0453			1.15		
0.0438					19
0.0435	1/23				
0.0433			1.10		
0.0430		2-3/4		57	
0.0420				58	
0.0417	1/24				
0.0413			1.05		
0.0410				59	
0.0400	1/25			60	
0.0394			1.00		
0.0390		2-1/2		61	
0.0380				62	
0.0375					20
0.0374			0.95		
0.0370				63	
0.0360				64	
0.0354			0.90		
0.0352		2-1/4			
0.0350				65	
0.0344					21
0.0335			0.85		
0.0330				66	
0.0320				67	
0.0315			0.80		
0.0313	1/32	2			22
0.0310				68	
0.0295			0.75		
0.0292				69	
0.0281					23
0.0280				70	

Decimal * Equivalents	Screen Hole Designation: Fractions	64ths	** Millimeter	Drill No. (Wire Ga.)	Sh. Metal (U.S.Std.Ga.)
0.0276			0.70		
0.0273		1-3/4			
0.0260				71	
0.0256			0.65		
0.0250				72	24
0.0240				73	
0.0236			0.60		
0.0234		1-1/2			
0.0225				74	
0.0219					25
0.0217			0.55		
0.0210				75	
0.0200				76	
0.0197			0.50		
0.0195		1-1/4			
0.0198					26
0.0190				77	
0.0177			0.45		
0.0172					27
0.0160				78	
0.0157			0.40		
0.0156		1			28
0.0145				79	
0.0141					29
0.0135				80	
0.0125					30
0.0117		3/4			
0.0109					31
0.0100					32
0.0094					33
0.0086					34
0.0078		1/2			35
0.0070					36
0.0066					37
0.0063					38

* These numbers are decimal equivalents of figures in other columns and are not arranged as a uniform linear scale.

** Millimeter screens are available in 0.05 mm graduations from 0.40 mm to 25.40 mm (1 inch).