

Material Thickness - Hole Diameters

Screw Size		Material Thickness		Pierced OR Extruded Hole Diameter		Drilled OR Clean Punched Hole Diameter	
Gauge (No)	mm	mm	inches	mm	inches	mm	inches
2 Nom.Dia (0.086")	2.2	0.45	0.018"	—	—	1.60	0.063"
		0.91	0.036"	—	—	1.85	0.073"
		1.62	0.064"	—	—	1.95	0.077"
4 Nominal Diameter (0.112")	2.9	0.45	0.018"	—	—	2.05	0.081"
		0.91	0.036"	2.48	0.098"	2.30	0.091"
		1.62	0.064"	—	—	2.40	0.095"
		2.03	0.080"	—	—	2.60	0.102"
6 Nominal Diameter (0.138")	3.5	0.45	0.018"	—	—	2.35	0.092"
		0.91	0.036"	2.82	0.111"	2.80	0.110"
		1.62	0.064"	—	—	2.95	0.116"
		2.03	0.080"	—	—	3.10	0.122"
		2.64	0.104"	—	—	3.20	0.126"
7 Nominal Diameter (0.151")	3.9	0.91	0.036"	3.05	0.136"	3.00	0.118"
		1.62	0.064"	—	—	3.20	0.126"
		2.03	0.080"	—	—	3.30	0.130"
		2.64	0.104"	—	—	3.40	0.134"
8 Nominal Diameter (0.164")	4.2	0.71	0.028"	—	—	2.90	0.114"
		0.91	0.036"	3.46	0.136"	3.10	0.122"
		1.22	0.048"	—	—	3.20	0.126"
		1.62	0.064"	—	—	3.40	0.134"
		2.64	0.104"	—	—	3.70	0.146"
		3.18	0.125"	—	—	3.80	0.150"
10 Nominal Diameter (0.186")	4.8	0.71	0.028"	—	—	3.40	0.134"
		1.22	0.048"	—	—	3.60	0.142"
		1.62	0.064"	—	—	3.80	0.150"
		2.64	0.104"	—	—	4.10	0.161"
		3.18	0.125"	—	—	4.30	0.169"
		4.75	0.187"	—	—	4.50	0.177"
12 Nominal Diameter (0.212")	5.5	0.71	0.028"	—	—	4.10	0.161"
		1.22	0.048"	—	—	4.30	0.169"
		1.62	0.064"	—	—	4.50	0.177"
		2.64	0.104"	—	—	4.80	0.189"
		3.18	0.125"	—	—	4.90	0.193"
		4.75	0.187"	—	—	5.10	0.201"
14 Nominal Diameter (0.242")	6.3	1.22	0.048"	—	—	4.80	0.189"
		1.62	0.064"	—	—	5.20	0.205"
		2.03	0.080"	—	—	5.40	0.213"
		3.18	0.125"	—	—	5.70	0.224"
		4.75	0.187"	—	—	5.90	0.232"
		6.35	0.225"	—	—	6.00	0.236"

Nominal Screw Gauge Diameters And Number Of Threads Per Inch (TPI)

Gauge	Metric	TPI
2	2.2mm	32
4	2.9mm	24
6	3.5mm	18
7	3.9mm	18
8	4.2mm	15
10	4.8mm	12
12	5.5mm	11
14	6.3mm	10