

Monel Perforated Metal Specification

Monel Perforated metal is made in the different shapes with uncountable selections of perforations. When the holes are required, you can get them where you need a wide selection of hole shapes of in material and finishes with a part that is completely a single piece. The perforating process is completely adaptable to offer surprisingly satisfying design solutions.

Monel perforated line components are also used in conveyor and dryer elements that work perfectly in the corrosive media at the elevated temperatures.

Monel Perforate metal works sufficiently as the perforating process is extremely adaptable following the designer's needs for perforation and their placement, specification and shape of the final component.

Order today Monel 400 and Monel K-500 in the perforated metal sheet forms in the diverse hole patterns and specifications.

Tolerance on bars of USA standard specifications for industrial perforated plates and sheets

Perforated opening			Tolerance on avg. bars	
Standard	USA industrial standard	Additional sizes	Standard	Industrial standard
125 mm	5 inch	-	± 3.2 mm	± 0.125 inch
-	-	4-1/2 inch	-	± .122 inch
106 mm	4-1/4 inch	-	± 2.9 mm	± .113 inch
100 mm	4 inch	-	± 2.7 mm	± .107 inch
-	-	3-3/4 inch	-	±.102 inch
90 mm	3-1/2 inch	-	± 2.5 mm	±.097 inch
-	-	3-1/4 inch	-	±.089 inch
75 mm	3 inch	-	± 2.1 mm	±.081 inch
-	-	2-3/4 inch	-	±.076 inch
63 mm	2 -1/2 inch	-	± 1.8 mm	±.069 inch
-	-	2-1/4 inch	-	±.063 inch
53 mm	2- 1/8 inch	-	± 1.5 mm	±.059 inch
50 mm	2 inch	-	± 1.4 mm	±.056 inch
-	-	1-7/8 inch	-	±.054 inch
45 mm	1-3/4 inch	-	± 1.3 mm	±.051 inch
-	-	1-5/8 inch	-	±.047 inch
37.5 mm	1-1/2 inch	-	± 1.1 mm	±.043 inch
-	-	1-3/8 inch	-	±.040 inch
31.5 mm	1-1/4 inch	-	±.9 mm	±.037 inch
-	-	1-3/16 inch	-	±.035 inch
-	-	1-1/8 inch	-	±.034 inch
26.5 mm	1-1/16 inch	-	±.8 mm	±.032 inch
25 mm	1 inch	-	±.8 mm	±.030 inch
-	-	15/16 inch	-	±.029 inch
22.4 mm	7/8 inch	-	±.7 mm	±.028 inch
-	-	13/16 inch	-	±.026 inch
19 mm	¾ inch	-	±.6 mm	±.024 inch
-	-	11.16 inch	-	±.022 inch

16 mm	5/8 inch	-	±.5 mm	±.021 inch
-	-	9.16 inch	-	±.019 inch
13.2 mm	17/32 inch	-	±.46 mm	±.018 inch
12.5 mm	½ inch	-	±.44 mm	±.017 inch
-	-	15/32 inch	-	±.017 inch
11.2 mm	7/16 inch	-	±.41 mm	±.016 inch
9.5 mm	3/8 inch	-	±.36 mm	±.014 inch
8 mm	5/16 inch	-	±.32 mm	±.013 inch
6.7 mm	17.64 inch	-	±.29 mm	±.011 inch
6.3 mm	¼ inch	-	±.28 mm	±.011 inch
5.6 mm	7/32 inch	-	±.27 mm	±.011 inch
4.75 mm	3/16 inch	-	±.23 mm	±.009 inch
4 mm	5/32 inch	-	±.22 mm	±.009 inch
3.35 mm	.127 inch	*	±.20 mm	±.008 inch
-	1/8 inch	-	± *	*
2.80 mm	7/64 inch	-	±.18 mm	±.007 inch
2.36 mm	3/32 inch	-	±.16 mm	±.006 inch
2 mm	.078 inch	-	±.150 mm	±.006 inch
1.70 mm	.066 inch	-	±.135 mm	±.005 inch
1.40 mm	.055 inch	-	±.125 mm	±.005 inch
1.18 mm	.045 inch	-	±.110 mm	±.004 inch
1 mm	.039 inch	-	±.090 mm	±.004 inch
0.830 mm	.032 inch	-	± 80 PM	±.003 inch
0.710 mm	.027 inch	-	± 70pm	±.003 inch
0.600 mm	.023 inch	-	± 65pm	±.003 inch
0.500 mm	.020 inch	-	± 60pm	± .002 inch

Stock size of Monel Perforated Metals

Hole dia	Distance from center of hole	Side distance	N, holes dm2	Empty area %
2.5 mm	3.5 mm	6	940	46 %
2.5 mm	3.8 mm	6.6	796	38 %
2.5 mm	4 mm	7	720	35 %
2.5 mm	4.5 mm	7.8	570	28 %
2.5 mm	5 mm	8.7	460	22.5 %
2.5 mm	5.6 mm	9.7	368	17 %
2.5 mm	6 mm	10.4	320	16 %
2.5 mm	6.3 mm	10.8	289	13 %
2.5 mm	7 mm	12.1	235	10 %
2.5 mm	8 mm	13.8	180	8 %
2.75 mm	4 mm	7	720	43 %
2.75 mm	4.5 mm	7.8	570	33.6 %
2.75 mm	4.75 mm	8.2	510	30 %
2.8 mm	3.5 mm	6	940	57.6 %
2.8 mm	4.5 mm	7.8	570	34.8 %
3 mm	4 mm	7	720	51 %
3 mm	4.3 mm	7.4	622	43.8 %
3 mm	4.5 mm	7.8	570	40 %
3 mm	5 mm	8.7	460	32.5 %
3 mm	5.5 mm	9.5	380	27 %

3 mm	6 mm	10.4	320	22.5 %
3 mm	6.5 mm	11.2	272	19 %
3 mm	7 mm	12.1	235	16.5 %
3 mm	8 mm	13.8	180	13 %
3 mm	8.5 mm	14.7	160	11.2 %
3 mm	10 mm	17.3	115	8 %
3 mm	15 mm	26	51	3 %
3.3 mm	5 mm	8.7	460	35.7 %
3.3 mm	6 mm	10.4	320	27.2 %
3.3 mm	6.25 mm	10.7	295	24.7 %
3.3 mm	10 mm	17.3	115	9.8 %
3.5 mm	4.5 mm	7.8	570	55 %
3.5 mm	5 mm	8.7	460	44 %
3.5 mm	5.6 mm	9.7	368	35 %
3.5 mm	6.0 mm	10.4	320	31 %
3.5 mm	6.5 mm	11.2	272	26 %
3.5 mm	7 mm	12.1	235	22.5 %
3.5 mm	8 mm	13.8	180	17.2 %
3.75 mm	5.6 mm	9.7	368	40 %