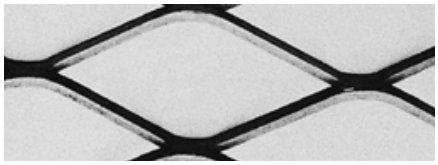
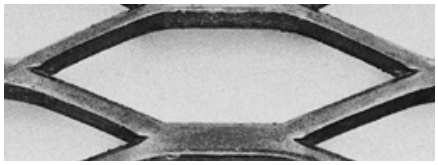
EXPANDED METALS

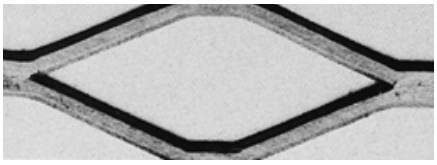
Expanded Metals



STANDARD



GRATING



FLAT

Features

Mesh of the expanded metal is uniform and does not elongate. The light and rigid mesh is strong against impact. Handling and execution are very simple, slip stopping is high, and easy execution is economical, assisted by good day lighting and ventilation.

Application

Expanded metals in recent years are used in all fields, such as electric instruments, acoustic equipment, firing trays, automobiles, vessels, machine covers, side road protection, roads, buildings, lattices for windows, partitions, household equipment including shelves, bird cages and flower stands.

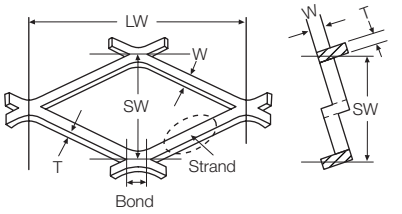
Standard dimensions and styles

- Carbon steel is the standard material.

Dimensions (thick steel plate)

- GRATING 3.2mm-9.0mm
- STANDARD 1.2mm-9.0mm
- Flat 1.0mm-4.0mm

Ranges vary and all products conforming to JIS are available and stated on the back of the standard.



SW: Distance between centers in direction of short mesh
LW: Distance between centers in direction of long mesh
T: Plate thickness
W: Step width

Art Metals

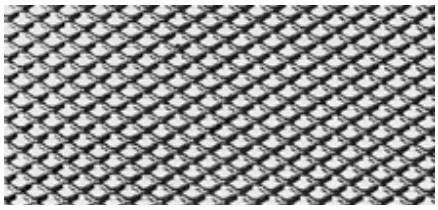
Material

Steel plate, galvanized steel sheet, brass sheet, stainless steel, nickel, aluminum, titanium, silver, plastics, vinyl sheet, etc.

Application

EMI shielding, ornaments, aircrafts, vehicles, electric appliances, chemical equipment, mechanical equipment, filters, etc.

No.0203



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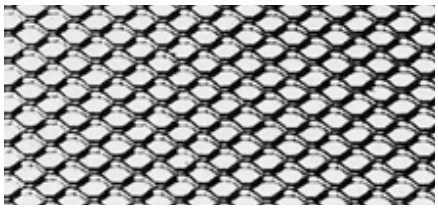

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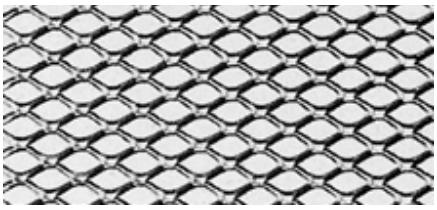


No.0408



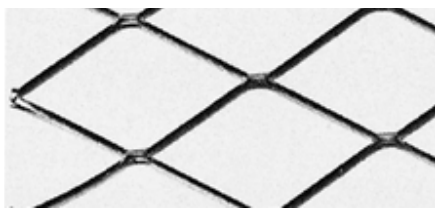
No.0714



No.1020



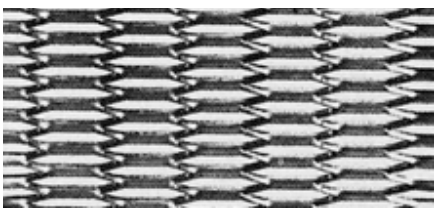
No.1425



No.1532



No.0320



EXPANDED METALS

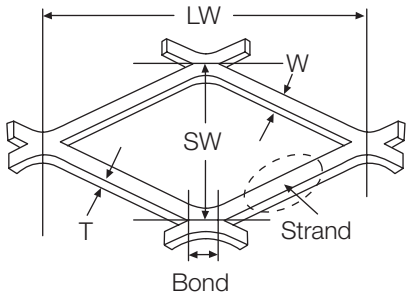
Products Standards List

Standard type (JIS G3351)

JIS designation	Mesh size: mm		Strand size: mm		Standard size (kg/sheet)	
	SW	LW	T	W	1829x914	2438x1219
XS31	12	30.5	1.2	1.5	3.95	7.01
XS32	12	30.5	1.6	2.0	7.01	12.5
XS33	12	30.5	2.3	3.0	15.1	26.8
XS41	22	50.8	1.6	2.0	3.81	6.78
XS42	22	50.8	2.3	2.5	6.86	12.2
XS43	22	50.8	3.2	3.5	13.4	23.8
XS51	25	61.0	1.6	2.5	4.20	7.46
XS52	25	61.0	2.3	3.0	7.24	12.9
XS53	25	61.0	3.2	4.0	13.5	23.9
XS61	34	76.2	2.3	3.0	5.33	9.48
XS62	34	76.2	3.2	4.0	9.88	17.6
XS63	34	76.2	4.5	5.0	17.4	30.9
XS71	50	152.4	2.3	3.5	4.23	7.52
XS72	50	152.4	3.2	4.0	6.72	11.9
XS73	50	152.4	4.5	5.0	11.80	21.0
XS81	75	203.2	3.2	4.0	4.48	7.96
XS82	75	203.2	4.5	5.0	7.88	14.0
XS83	75	203.2	6.0	6.0	12.6	22.4
XS91	115	304.8	3.2	5.0	3.64	6.48
XS92	115	304.8	4.5	6.0	6.17	11.0
XS93	115	304.8	6.0	7.0	9.60	17.1

Grating type (JIS G3351)

JIS designation	Mesh size: mm		Strand size: mm		Weight kg/m²	Standard size (kg/sheet)		
	SW	LW	T	W		914 x1829	1219 x2438	1524 x3048
XG11	34	135.4	4.5	7.0	14.5	24.2	43.1	67.4
XG12	34	135.4	6.0	7.0	19.4	32.4	57.7	90.1
XG13	34	135.4	6.0	9.0	24.9	41.6	74.0	116.0
XG14	34	135.4	8.0	9.0	33.2	55.5	98.7	154.0
XG21	36	101.6	4.5	7.0	13.7	22.9	40.7	63.6
XG22	36	101.6	6.0	7.0	18.3	30.6	54.4	85.0
XG23	36	101.6	6.0	9.0	23.6	39.5	70.1	110.0
XG24	36	101.6	8.0	9.0	31.4	52.5	93.3	146.0



- Other aluminum expanded metals are available for prompt shipment.
- Other materials are available upon request. Please inquire.
- Surface treatment and plating are available upon request.
- Expanded metal can be fabricated to your desired specification.

Standard type other than JIS standard type

Mesh size: mm		Strand size: mm		Weight kg/m²	Standard size (kg/sheet)	
SW	LW	T	W		1829x914	2438x1219
14	25	1.2	1.4	1.88	3.14	5.58
16	32	1.0	1.2	1.18	1.97	3.5
16	32	1.2	1.3	1.53	2.56	4.55
16	32	1.6	1.6	2.51	4.2	7.46
16	32	2.3	2.3	5.19	8.68	15.4
25	50	1.6	2.3	2.31	3.86	6.78
25	50	2.3	2.3	3.32	5.55	9.87
25	50	3.2	3.2	6.43	10.8	19.1
38	76	2.3	3.2	3.04	5.08	9.03
38	76	3.2	3.2	4.23	7.07	12.6
38	76	4.5	4.5	8.36	14.0	24.8
34	80	2.3	3.0	3.19	5.33	9.48
34	80	3.2	4.0	5.91	9.88	17.6
34	80	4.5	5.0	10.39	17.4	30.9
38	100	2.3	3.0	2.85	4.77	8.47
38	100	2.3	4.5	4.28	7.16	12.7
38	100	3.2	4.0	5.29	8.84	15.7
38	100	4.5	5.0	9.29	15.5	27.6
38	100	6.0	6.0	14.9	24.9	44.3
50	115	2.3	3.5	2.53	4.23	7.52
50	115	3.2	4.0	4.02	6.72	12.0
50	115	4.5	5.0	7.06	11.8	21.0
50	115	6.0	6.0	11.3	18.29	33.6

Expanded stainless steel (SUS304)

Mesh size: mm		Strand size: mm		Weight kg/m²	Standard product size 1000x2000 (mm)
SW	LW	T	W		Weight per sheet (kg)
12	30.5	1.2	1.5	2.38	4.76
12	30.5	1.5	2.0	3.97	7.94
12	30.5	2.0	3.0	7.92	15.9
22	50.8	1.5	2.0	2.16	4.32
22	50.8	2.0	2.0	2.60	5.2
22	50.8	2.5	3.0	5.41	10.8
22	50.8	3.0	3.0	5.75	11.5
34	76.2	2.0	2.5	2.33	4.66
34	76.2	3.0	3.5	4.90	9.80
34	76.2	4.0	4.3	7.55	15.1
34	76.2	4.5	5.0	10.5	21.0
36	101.6	4.0	5.0	8.81	17.6
36	101.6	4.5	7.0	14.0	28.0
36	101.6	5.0	7.0	16.5	33.0
36	101.6	6.0	7.0	18.5	37.0
34	135.4	4.0	5.0	9.33	18.7
34	135.4	4.5	5.0	10.5	21.0
34	135.4	5.0	6.0	14.0	28.0
34	135.4	6.0	7.0	19.6	39.2

*Contact us for details.

EXPANDED METALS

Expanded Metals, Small Mesh

Type		0.5	0.6	0.8	1.0	1.2	1.5	1.6	Remark
Iron	1.5x2.0								
	2.0x3.0	▲ ○							▲ mark 914x914
	2.2x3.5								
	3.0x4.0	▲ ○		○					Other 1829x914
	3.0x6.0	○							
	4.0x8.0	○		▲ ○					
	7.0x14	○		▲ ○	▲				
	10x20			○	○				
	14x25			○	○				
	15x32						○		
	12x30.5								
	14x25					▲			
Aluminum	2.0x3.0	○							1000x2000
	3.0x4.0	○		○					
	3.0x6.0	○							
	4.0x8.0	○		○					
	7.0x14	○		○					
	10x20			○	○				
	14x25			○	○				
	15x32						○		
	4.0x8.0	○	○						1000x2000
	7.0x14	○	○	○					
	10x20			○	○				
	14x25								
	15x32				○	○	○		