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Primary Types and Specifications of Expanded Metal Mesh

● Main Types of Expanded Metal Mesh:

The specifications of expanded metal mesh vary based on different classification standards:

Classified by material, expanded metal mesh includes carbon steel expanded mesh, stainless steel expanded metal mesh, aluminum expanded metal mesh, etc.

Classified by thickness, it includes light-duty, medium-duty, and heavy-duty expanded steel mesh.

Classified by hole shapes, it comprises diamond, hexagonal, round hole, and irregular-shaped expanded steel mesh.

Classified by hole sizes, it encompasses large hole, medium hole, small hole, and micro hole expanded metal mesh.

Classified by anti-corrosion processing, it involves painted, plastic-coated, and galvanized expanded metal mesh.

● Measurement Methods for Expanded Metal Mesh Parameters:

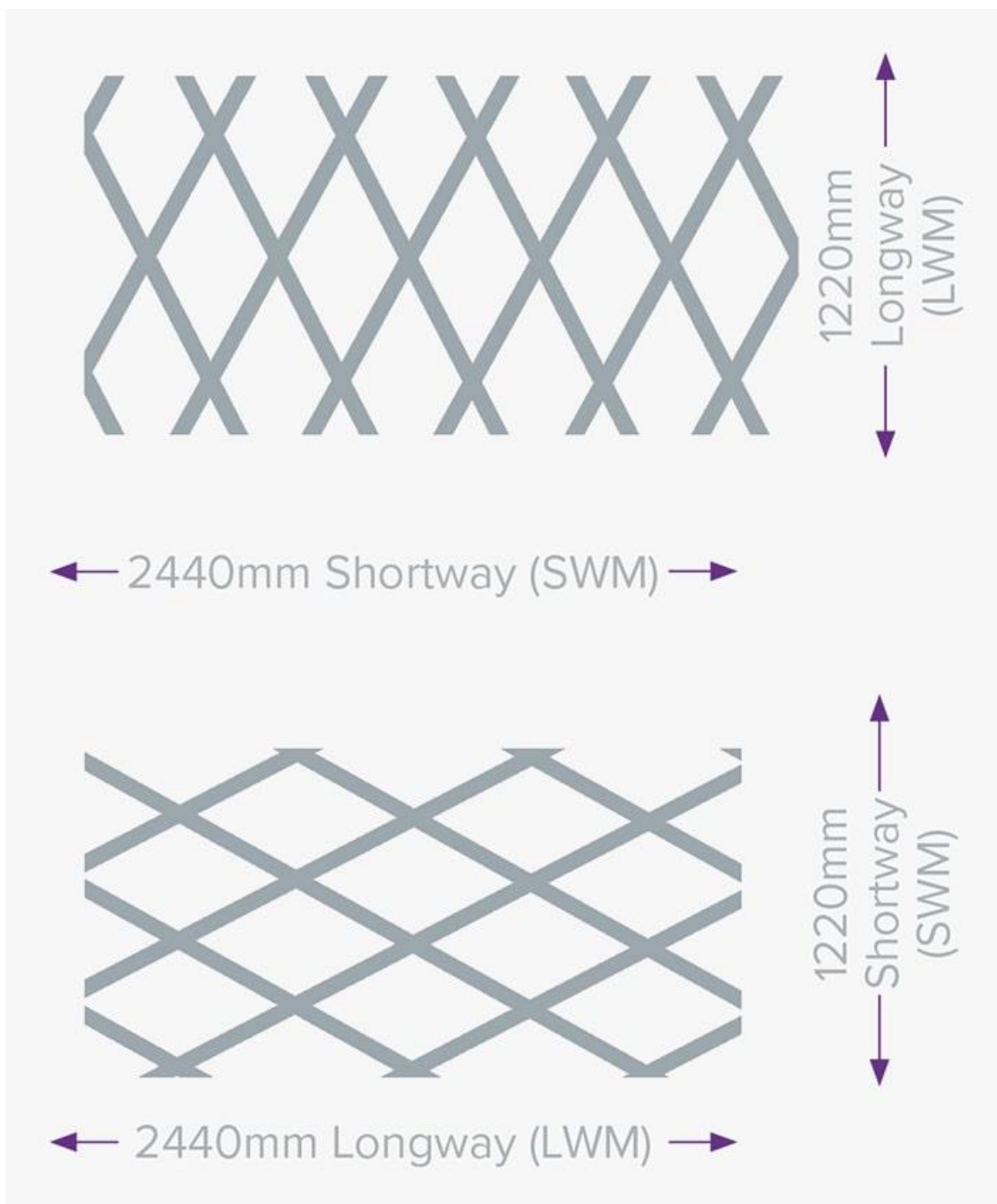
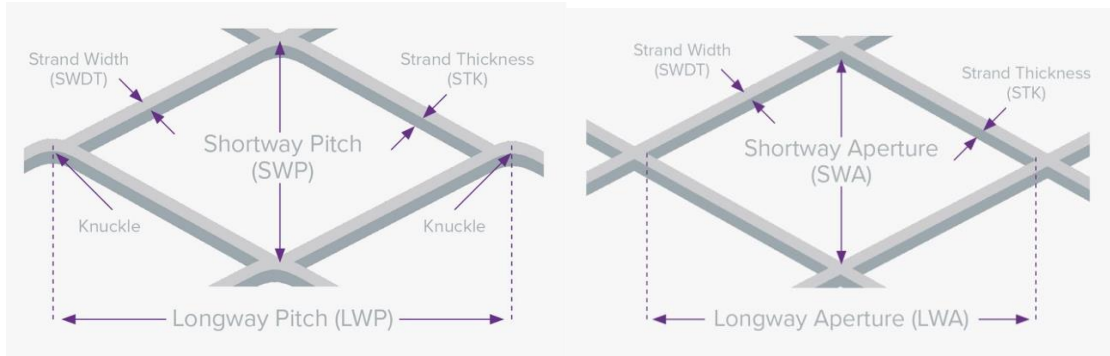
To ensure the quality and accuracy of the specifications of expanded metal sheet, it's crucial to measure its parameters. Here are common measurement methods:

1. Mesh aperture measurement: Using tools such as sliding calipers or laser rulers to measure the width and length of the mesh aperture to determine its size.
2. Vertical and horizontal wire diameter measurement: Employing calipers or microscopes to measure both horizontal and vertical directions, taking an average as the wire diameter measurement.
3. Thickness measurement: Using calipers or steel gauges to measure the thickness of the steel mesh and recording the results.
4. Dimension measurement: Utilizing tape measures, laser rangefinders, and other measuring tools to measure the length and width of expanded mesh sheets and documenting the findings.

The accuracy of these measurement methods directly influences the quality and accuracy of expanded metal, hence strict adherence to measurement procedures is recommended.

● Common Specifications of Expanded Metal Mesh:

The thickness of [expanded metal mesh sheet](#) generally ranges from 0.2 to 8.0mm, with long pitch between 10 to 100mm and short pitch between 5 to 50mm. The stem width and stem thickness of the expanded steel mesh also have specific ranges. For instance, the stem width is usually between 5.0 to 30mm, and the stem thickness ranges from 1.5 to 8.0mm. Refer to the table below for common specifications:



Common Specifications of Expanded Metal Mesh

Expanded Metal Types	Product Codes	Design Dimensions (MM)		Strand Size (MM)	
		SWD	LWD	Strand Thickness	Strand Width
Custom Expanded Metal	1217/26/2029	11.6	16.8/25.5	2	2.9
	2540/81/3032	25	40.0/81.0	3	3.2
Standard Expanded Metal	BZ1025/0810	10	25	0.8	1
	BZ1025/1011	10	25	1	1.1
	BZ1025/1211	10	25	1.2	1.1
	BZ1230/1215	12	30	1.2	1.5
	BZ1230/0814	12	30	0.8	1.4
	BZ1638/1020	16	38	1	2
	BZ1638/1520	16	38	1.5	2
	BZ1638/1528	16	38	1.5	2.8
	BZ1638/2028	16	38	2	2.8
	BZ1540/1017	15	40	1	1.7
	BZ1540/1217	15	40	1.2	1.7
	BZ1540/1517	15	40	1.5	1.7
	BZ1850/1220	18	50	1.2	2.0
	BZ1850/1520	18	50	1.5	2
	BZ1850/2020	18	50	2	2
	BZ2251/2325	22	50.8	2.3	2.5
	BZ2257/1528	22	57	1.5	2.8
	BZ2257/2028	22	57	2	2.8
	BZ2257/3035	22	57	3	3.5
	BZ2260/1525	22	60	1.5	2.5
	BZ2260/2025	22	60	2	2.5
	BZ3576/2030	35	76	2	3
	BZ3576/3045	35	76	3	4.5
	BZ2460/3030	24	60	3	3
	BZ2460/2530	24	60	2.5	3
	BZ36100/2541	36	100	2.5	4.1
BZ36100/3041	36	100	3	4.1	
Micro Expanded Metal	BZ23/0505	2	3	0.5	0.5
	BZ35/0506	2.5	4.5	0.5	0.6
	BZ36/0507	3	6	0.5	0.7
	BZ36/0512	3.2	5.7	0.5	1.2
	BZ48/0510	4	8	0.5	1
	BZ510/1010	5	10	1	1
	BZ613/1015	5.7	12.7	1	1.5
Heavy Duty Expanded Metal	BZ50100/3030	50	100	3	3
	BZ2260/4045	22	60	4	4.54
	BZ2260/4550	22	60	4.5	5
	BZ2460/5060	24	60	5	6
	BZ2575/5075	25	75	5	7.5
	BZ3075/3080	30	75	3	8
	BZ3075/5011	30	75	5	11
	BZ3080/4050	30	80	4	5
	BZ3080/4560	30	80	4.5	6
	BZ3280/5060	32	80	5	6
	BZ3280/6070	32	80	6	7
	BZ38100/4060	38	100	4	6
	BZ38100/4560	38	100	4.5	6
	BZ38100/5070	38	100	5	7
	BZ38100/6070	38	100	6	7
	BZ40100/7080	40	100	7	8
	BZ40100/8080	40	100	8	8
	BZ45135/5080	45	135	5	8
	BZ45135/5011	45	135	5	11
BZ56150/5060	56	150	5	6	
BZ56150/6070	56	150	6	7	