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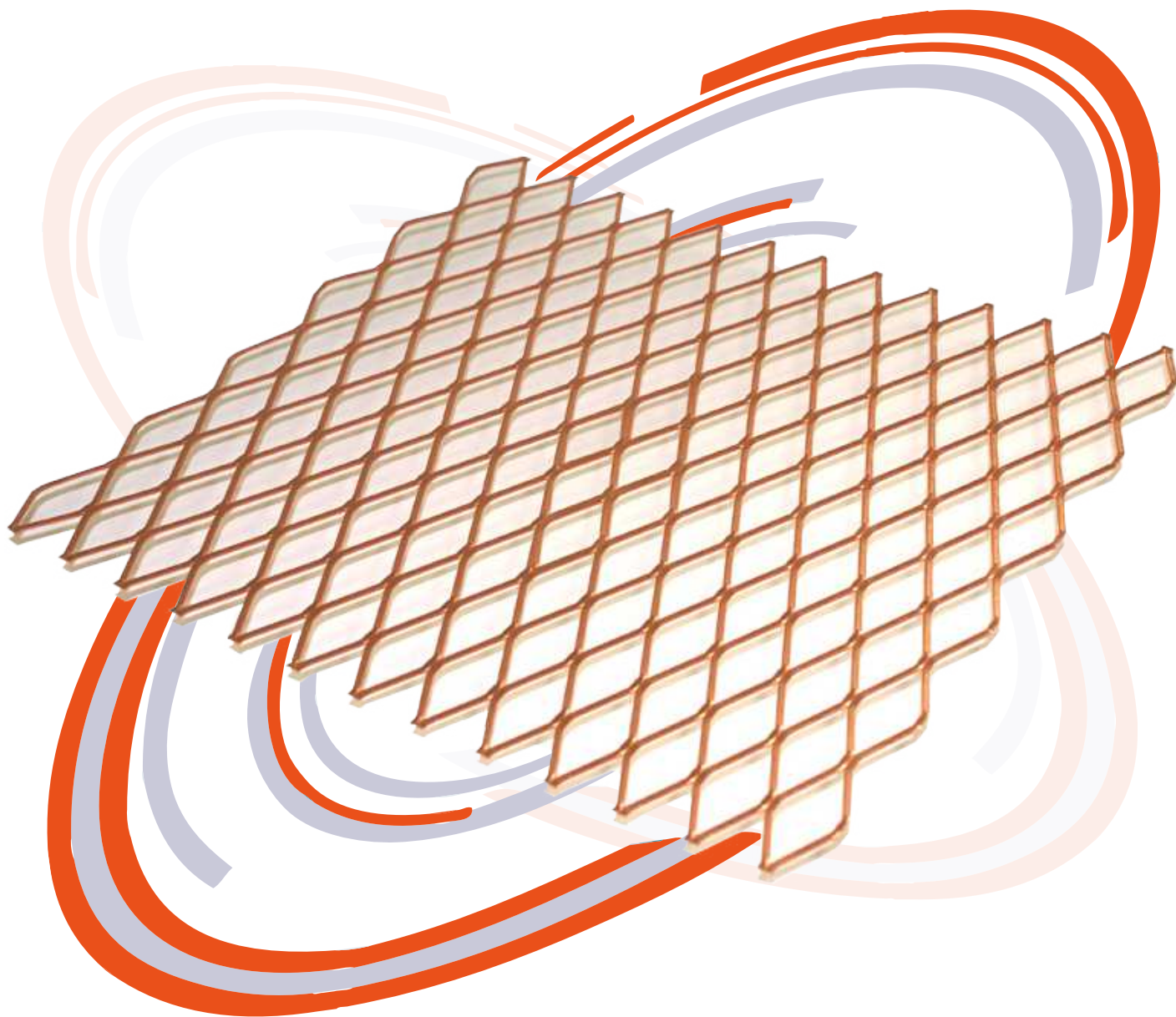
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BOEGGER

Expanded Copper Mesh



PRODUCT SELECTION
& SPECIFICATION GUIDE



EXPANDED COPPER MESH

Versatile expanded copper mesh provides many applications

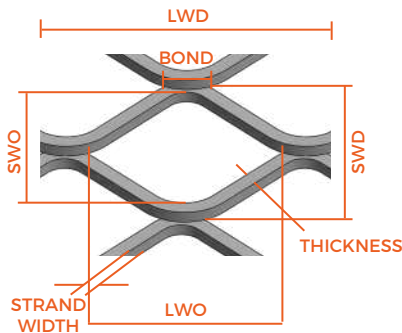
Expanded copper mesh provides an economical way to assure strength and non-slip surface. It is easily cut into irregular shapes and quickly installed by welding or bolting. Hence, it is wildly used in construction, architectural applications, EMI shielding room, high Voltage test lab, concrete reinforcement, non-skid stair treads, filtration, chimney caps and handcrafts.

LWO
(Long Way Opening)

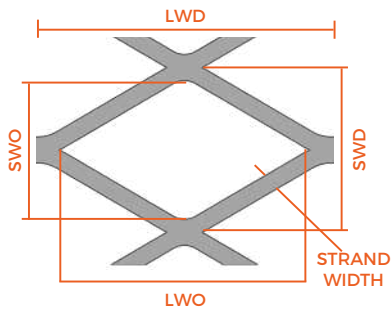
SWD
(Short Way Dimension)

LWD
(Long Way Dimension)

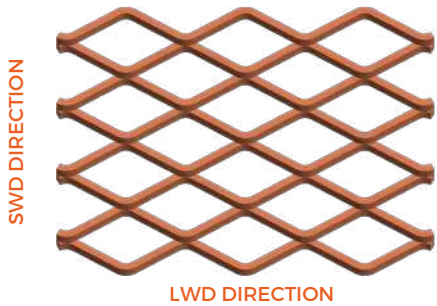
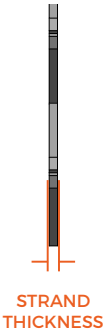
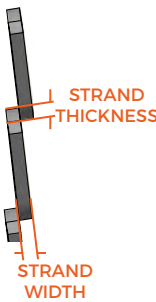
SWO
(Short Way Opening)



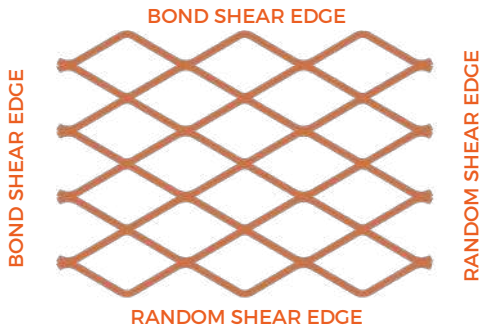
Standard Type



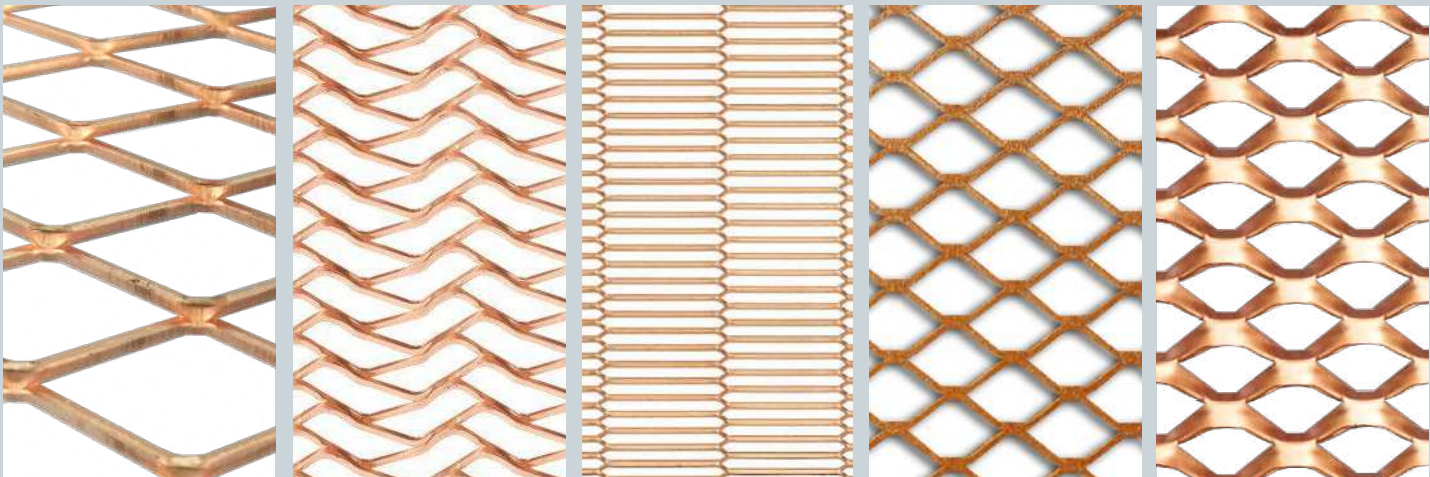
Flattened Type



This is our default mesh direction



This is the two type of expanded mesh edge.





Example SWD size.



Example LWD size.



Example SWO size.



Example LWO size.

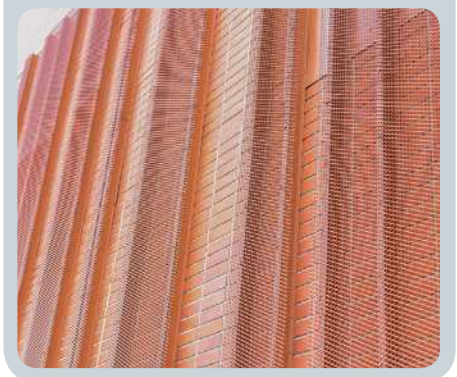


Example strand width size.

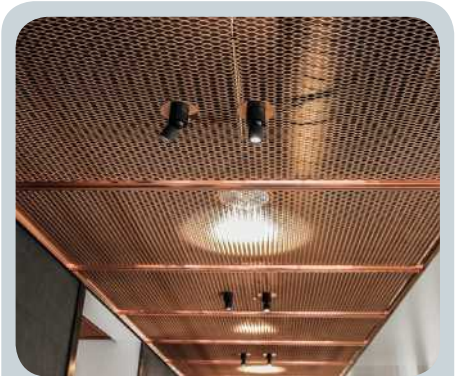


Example thickness size.

▼ Facades



▲ Chimney Cap



▲ Ceiling

Raised Expanded Copper Mesh

Just the expanded copper mesh comes from the press, providing a anti-skidding surface

Item	Sheet Size				Bond				OPENING SIZE				STRAND SIZE				Open Area %	Sheet Thickness	
	SWD		LWD		SWD		LWD		SWO		LWO		Width		Thickness			inch	mm
	feet	m	feet	m	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm			
BG-RECM-01	4, 8	1.22, 2.44	8, 4	2.44, 1.22	0.500	12.70	1.20	30.48	0.438	11.13	0.938	23.83	0.072	1.83	0.036	0.91	80	0.140	3.56
BG-RECM-02	4, 8	1.22, 2.44	8, 4	2.44, 1.22	0.500	12.70	1.20	30.48	0.440	11.18	0.938	23.83	0.088	2.24	0.048	1.22	72	0.172	4.37
BG-RECM-03	4, 8	1.22, 2.44	8, 4	2.44, 1.22	0.500	12.70	1.20	30.48	0.375	9.53	0.938	23.83	0.086	2.18	0.060	1.52	65	0.175	4.45
BG-RECM-04	4, 8	1.22, 2.44	8, 10, 4	2.44, 3, 1.22	0.500	12.70	1.20	30.48	0.312	7.92	0.938	23.83	0.096	2.44	0.092	2.34	57	0.204	5.18
BG-RECM-05	4, 8	1.22, 2.44	8, 4	2.44, 1.22	0.500	12.70	1.20	30.48	0.250	6.35	0.800	20.32	0.188	4.78	0.092	2.34	25	0.275	6.99
BG-RECM-06	4, 8	1.22, 2.44	8, 4	2.44, 1.22	0.923	23.40	2.00	50.80	0.813	20.65	1.750	44.45	0.099	2.51	0.060	1.52	78	0.210	5.33
BG-RECM-07	4, 8	1.22, 2.44	8, 4	2.44, 1.22	0.923	23.40	2.00	50.80	0.750	19.05	1.688	42.88	0.096	2.44	0.092	2.34	76	0.205	5.21
BG-RECM-08	4, 8	1.22, 2.44	8, 4	2.44, 1.22	0.923	23.40	2.00	50.80	0.750	19.05	1.625	41.28	0.144	3.66	0.092	2.34	72	0.290	7.37
BG-RECM-09	4, 8	1.22, 2.44	8, 4	2.44, 1.22	0.923	23.40	2.00	50.80	0.688	17.48	1.563	39.70	0.148	3.76	0.134	3.40	68	0.312	7.92
BG-RECM-10	4, 8	1.22, 2.44	8, 4	2.44, 1.22	1.000	25.40	2.25	57.15	1.000	25.40	2.063	52.40	0.096	2.44	0.060	1.52	82	0.192	4.88
BG-RECM-11	4, 8	1.22, 2.44	8, 4	2.44, 1.22	1.000	25.40	2.25	57.15	0.875	22.23	1.563	39.70	0.125	3.18	0.074	1.88	75	0.225	5.72
BG-RECM-12	4, 8	1.22, 2.44	8, 4	2.44, 1.22	1.000	25.40	2.25	57.15	0.907	23.04	1.563	39.70	0.109	2.77	0.105	2.67	78	0.225	5.72
BG-RECM-13	4, 8	1.22, 2.44	8, 10, 4	2.44, 3, 1.22	1.000	25.40	2.25	57.15	0.750	19.05	1.563	39.70	0.155	3.94	0.135	3.43	62	0.375	9.53
BG-RECM-14	4, 8	1.22, 2.44	8, 10, 4	2.44, 3, 1.22	1.000	25.40	2.25	57.15	0.725	18.42	1.563	39.70	0.180	4.57	0.135	3.43	60	0.390	9.91
BG-RECM-15	8	2.44	4	1.22	1.000	25.40	2.25	57.15	0.576	14.63	1.563	39.70	0.275	6.99	0.183	4.65	45	0.550	13.97
BG-RECM-16	4, 8	1.22, 2.44	8, 4	2.44, 1.22	1.330	33.78	3.00	76.20	1.313	33.35	2.625	66.68	0.067	1.70	0.048	1.22	90	0.140	3.56
BG-RECM-17	4, 8	1.22, 2.44	8, 4	2.44, 1.22	1.330	33.78	3.00	76.20	1.250	31.75	2.625	66.68	0.107	2.72	0.060	1.52	85	0.230	5.84
BG-RECM-18	4, 8	1.22, 2.44	8, 4	2.44, 1.22	1.330	33.78	3.00	76.20	1.188	30.18	2.500	63.50	0.104	2.64	0.092	2.34	85	0.242	6.15
BG-RECM-19	4, 8	1.22, 2.44	8, 4	2.44, 1.22	1.330	33.78	3.00	76.20	1.188	30.18	2.500	63.50	0.137	3.48	0.092	2.34	80	0.284	7.21
BG-RECM-20	4, 8	1.22, 2.44	8, 4	2.44, 1.22	1.330	33.78	3.00	76.20	1.000	25.40	2.375	60.33	0.200	5.08	0.135	3.43	74	0.350	8.89
BG-RECM-21	4, 8	1.22, 2.44	8, 4	2.44, 1.22	1.330	33.78	3.00	76.20	0.830	21.08	2.375	60.33	0.240	6.10	0.135	3.43	72	0.460	11.68
BG-RECM-22	4, 8	1.22, 2.44	8, 4	2.44, 1.22	1.330	33.78	3.00	76.20	1.125	28.58	2.375	60.33	0.142	3.61	0.134	3.40	76	0.312	7.92
BG-RECM-23	8	2.44	4	1.22	1.330	33.78	3.00	76.20	1.000	25.40	2.313	58.75	0.201	5.11	0.198	5.03	69	0.433	11.00
BG-RECM-24	8, 10	2.44, 3	3, 4	0.914, 1.22	1.330	33.78	5.33	135.38	0.940	23.88	3.440	87.38	0.264	6.71	0.183	4.65	60	0.540	13.72
BG-RECM-25	8	2.44	4, 3	1.22, 0.914	1.330	33.78	5.33	135.38	0.940	23.88	3.440	87.38	0.300	7.62	0.215	5.46	55	0.618	15.70

NOTE:

SWD - Short Way of Design; LWD - Long Way of Design.

Usually SWD is before the LWD, eg. 4 × 8 sheet dimensions means 4' in SWD direction and 8' in LWD direction.

SWO - Short Way of Opening; LWO - Long Way of Opening.

STRAND THICKNESS - Gauge thickness of the base panel.

Flattened Expanded Copper Mesh

Cold-rolled expanded copper mesh, providing a smooth and flat surface.

Item	Sheet Size				Bond				OPENING SIZE				STRAND SIZE				Open Area %	Sheet Thickness	
	SWD		LWD		SWD		LWD		SWO		LWO		Width		Thickness			inch	mm
	feet	m	feet	m	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm			
BG-FECM-01	4, 8	1.22, 2.44	8, 4	2.44, 1.22	0.500	12.70	1.25	31.75	0.375	9.53	1.000	25.40	0.079	2.01	0.029	0.74	65	0.029	0.74
BG-FECM-02	4, 8	1.22, 2.44	8, 4	2.44, 1.22	0.500	12.70	1.25	31.75	0.312	7.92	1.000	25.40	0.097	2.46	0.039	0.99	60	0.039	0.99
BG-FECM-03	4, 8	1.22, 2.44	8, 4	2.44, 1.22	0.500	12.70	1.25	31.75	0.312	7.92	1.000	25.40	0.096	2.44	0.050	1.27	63	0.050	1.27
BG-FECM-04	4, 8	1.22, 2.44	8, 4	2.44, 1.22	0.500	12.70	1.25	31.75	0.265	6.73	1.000	25.40	0.107	2.72	0.070	1.78	52	0.070	1.78
BG-FECM-05	4, 8	1.22, 2.44	8, 4	2.44, 1.22	0.923	23.44	2.10	53.34	0.750	19.05	1.750	44.45	0.111	2.82	0.048	1.22	74	0.048	1.22
BG-FECM-06	4, 8	1.22, 2.44	8, 4	2.44, 1.22	0.923	23.44	2.10	53.34	0.688	17.48	1.781	45.24	0.106	2.69	0.070	1.78	74	0.070	1.78
BG-FECM-07	4, 8	1.22, 2.44	8, 4	2.44, 1.22	0.923	23.44	2.10	53.34	0.637	16.18	1.755	44.58	0.160	4.06	0.070	1.78	68	0.070	1.78
BG-FECM-08	4, 8	1.22, 2.44	8, 4	2.44, 1.22	0.923	23.44	2.10	53.34	0.563	14.30	1.688	42.88	0.165	4.19	0.120	3.05	63	0.120	3.05
BG-FECM-09	4, 8	1.22, 2.44	8, 4	2.44, 1.22	1.000	25.40	2.30	58.42	0.813	20.65	2.250	57.15	0.098	2.49	0.050	1.27	78	0.050	1.27
BG-FECM-10	4, 8	1.22, 2.44	8, 4	2.44, 1.22	1.000	25.40	2.30	58.42	0.790	20.07	2.000	50.80	0.125	3.18	0.070	1.78	80	0.070	1.78
BG-FECM-11	4, 8	1.22, 2.44	8, 4	2.44, 1.22	1.000	25.40	2.30	58.42	0.785	19.94	2.000	50.80	0.156	3.96	0.085	2.16	74	0.085	2.16
BG-FECM-12	4, 8	1.22, 2.44	8, 4	2.44, 1.22	1.000	25.40	2.30	58.42	0.750	19.05	1.900	48.26	0.160	4.06	0.110	2.79	58	0.110	2.79
BG-FECM-13	4, 8	1.22, 2.44	8, 4	2.44, 1.22	1.330	33.78	3.20	81.28	1.062	26.97	2.750	69.85	0.119	3.02	0.048	1.22	83	0.048	1.22
BG-FECM-14	4, 8	1.22, 2.44	8, 4	2.44, 1.22	1.330	33.78	3.20	81.28	1.062	26.97	2.750	69.85	0.116	2.95	0.070	1.78	80	0.070	1.78
BG-FECM-15	4, 8	1.22, 2.44	8, 4	2.44, 1.22	1.330	33.78	3.20	81.28	0.900	22.86	2.560	65.02	0.188	4.78	0.110	2.79	63	0.110	2.79
BG-FECM-16	4, 8	1.22, 2.44	8, 4	2.44, 1.22	1.330	33.78	3.20	81.28	1.000	25.40	2.563	65.10	0.158	4.01	0.110	2.79	75	0.110	2.79

NOTE:

SWD - Short Way of Design; LWD - Long Way of Design.

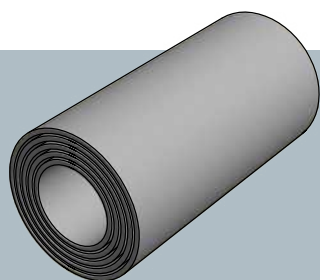
Usually SWD is before the LWD, eg. 4 × 8 sheet dimensions means 4' in SWD direction and 8' in LWD direction.

SWO - Short Way of Opening; LWO - Long Way of Opening.

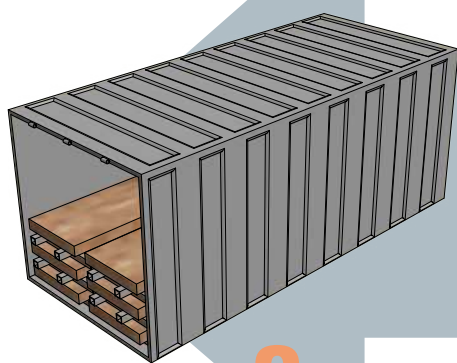
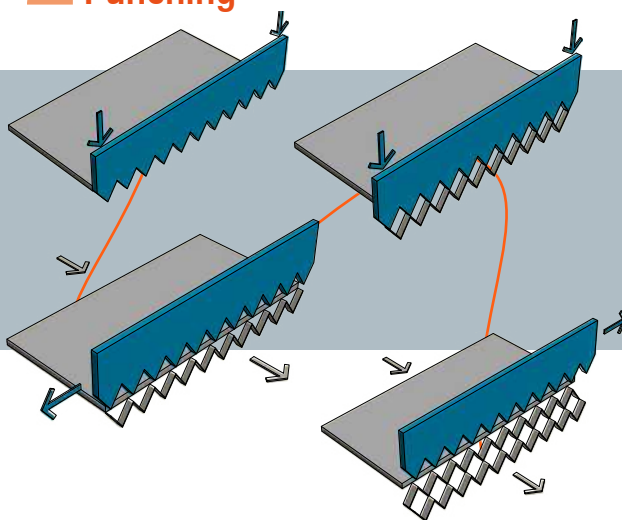
STRAND THICKNESS - Gauge thickness of the base panel.

PRODUCTION LINE

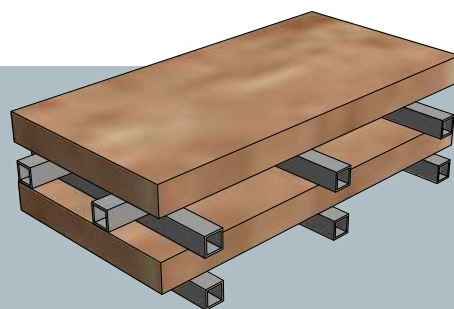
1 Steel plates



2 Punching



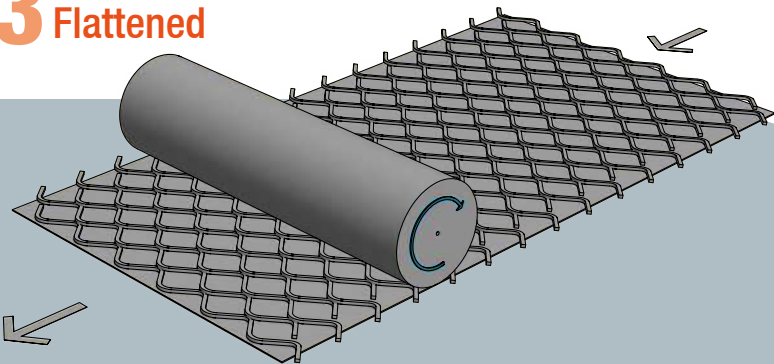
8 Loading



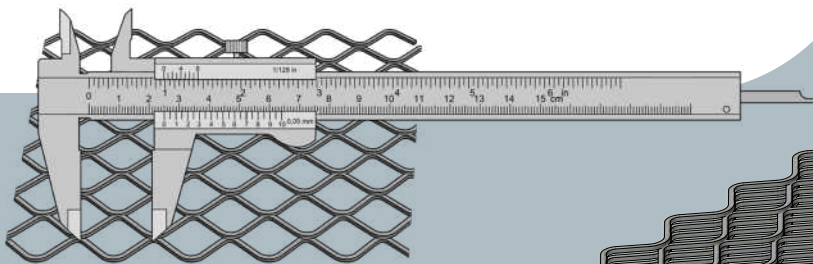
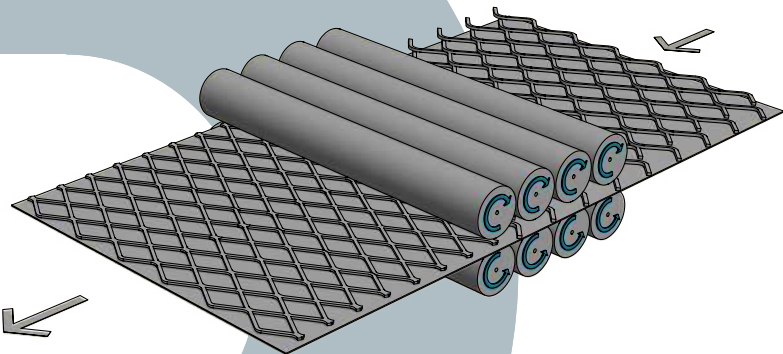
7 Package



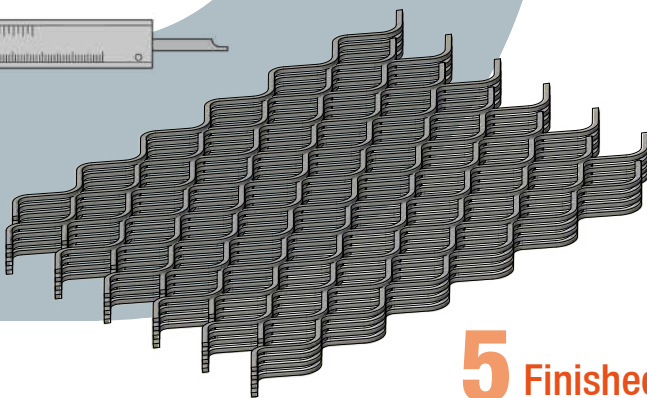
3 Flattened



4 Make Level



6 Test



5 Finished