

MicroGrid[®] Expanded Metals for Advanced Battery & Capacitor Technologies

Applications & Advantages

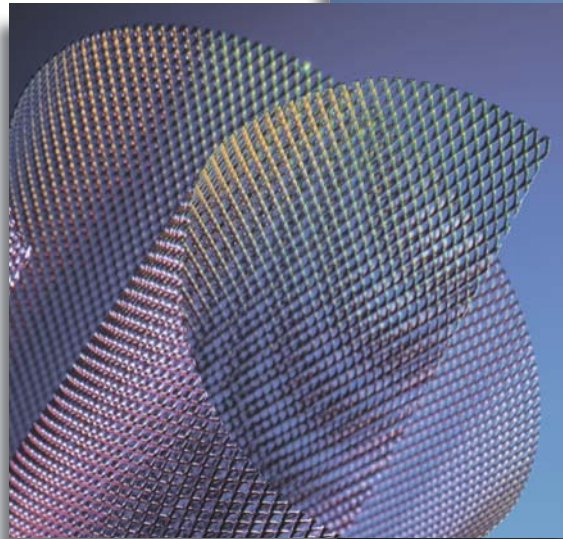
- Anode & Cathode Current Collector Screens
- Active Material Support Structure
- Engineered Geometry for Precision Weight, Thickness, Open Area and Conductivity
- One Piece Construction, No Loose Wires

Features

- Controlled Openings and Thickness Down to 0.025mm (0.001")
- 1300+ Openings/cm² (8500+ Openings/inch²)
- Integrated Battery Tab Requires No Welding
- Plated or Coated Materials Available

Common Materials

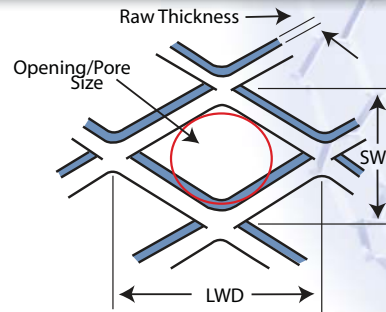
Aluminum, Copper, Stainless Steel, Nickel, Silver, Titanium
*Dexmet has the ability to expand all ductile materials



NEW 6,000 Sq/Meter Facility

Custom Equipment & Automation
Equals Lower Cost

ISO 9001:2008 Certified



Dexmet MicroGrid® Parameters

Tool Code	LWD (mm)	SWD (mm)		Hole Size (mm)		Opening/SQCM		Open Area		Width (mm)	Raw Thickness (mm)	
		Min	Max	Min	Max	Min	Max	Min	Max		Min	Max
020	0.508	0.279	0.330	0.025	0.178	1162.79	1395.35	32%	75%	203.2	0.025	0.051
031	0.787	0.457	0.610	0.038	0.254	410.85	550.39	32%	82%	304.8	0.025	0.127
040	1.016	0.559	0.813	0.051	0.432	271.32	348.84	24%	85%	304.8	0.038	0.152
050	1.270	0.610	0.914	0.076	0.559	173.64	254.26	21%	89%	609.6	0.038	0.203
060	1.524	0.762	1.092	0.076	0.686	120.93	178.29	20%	90%	609.6	0.038	0.229
075	1.905	0.762	0.940	0.084	0.762	111.63	136.43	15%	90%	965.2	0.038	0.229
077	1.956	0.838	1.422	0.102	0.838	73.64	120.16	15%	90%	914.4	0.051	0.305
080	2.032	0.940	1.702	0.178	1.016	58.14	104.65	16%	90%	1219.2	0.051	0.356
090	2.286	1.143	1.422	0.178	1.143	62.02	77.52	16%	90%	609.6	0.051	0.356
100	2.540	1.016	1.956	0.178	1.168	38.76	73.64	16%	90%	965.2	0.051	0.432
105	2.667	1.270	1.956	0.178	1.219	38.76	54.26	20%	90%	609.6	0.051	0.457
125	3.175	1.270	2.819	0.203	1.321	23.26	50.39	20%	90%	1219.2	0.051	0.635
140	3.556	1.499	3.175	0.254	1.651	17.05	38.76	30%	90%	609.6	0.076	0.762
158	4.001	1.956	3.175	0.279	1.905	15.50	27.91	30%	90%	685.8	0.076	0.762
180	4.572	1.803	2.819	0.279	2.032	15.50	23.26	32%	90%	609.6	0.102	0.762
190	4.826	1.702	2.540	0.508	2.235	12.40	20.16	35%	90%	609.6	0.127	0.762
215	5.461	2.108	3.632	0.508	2.413	10.08	17.05	35%	90%	609.6	0.127	0.762
236	5.994	2.311	3.632	0.635	2.540	9.30	13.95	35%	90%	609.6	0.127	0.762
250	6.350	2.540	4.424	0.686	2.794	7.75	12.40	35%	90%	609.6	0.127	0.762
284	7.214	2.311	3.632	0.762	3.302	6.98	12.40	35%	90%	609.6	0.127	0.762
400	10.160	3.175	8.458	0.889	4.572	2.33	6.20	35%	90%	609.6	0.127	0.762

Consult our Sales and Engineering professionals
regarding your specific application requirements.

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