

Expanding Technology™

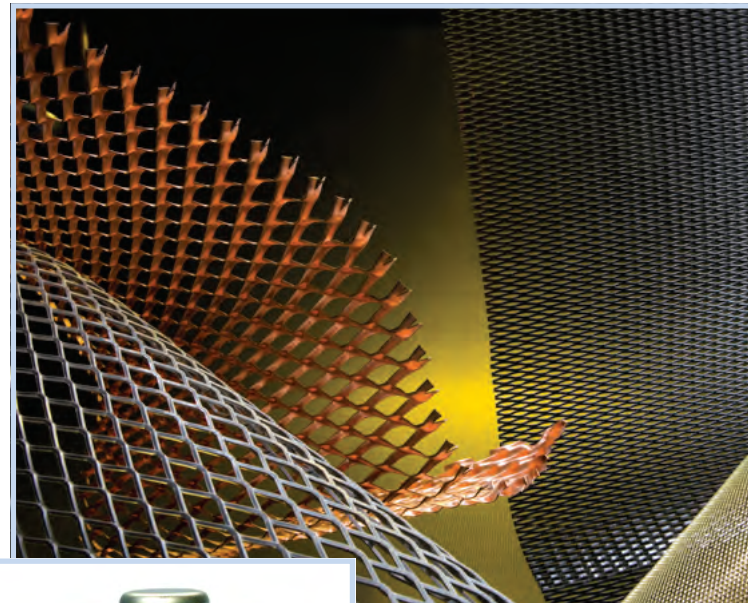
MICROGRID[®] EXPANDED METALS FOR ADVANCED BATTERY, CAPACITOR & ENERGY STORAGE TECHNOLOGIES

Dexmet redefines service and availability for precision-expanded foils and polymers with exacting mechanical and electrical properties that meet unequivocal conductivity, weight and dimensional requirements. Foils are from .001" thin, to 60" width, from 1 to 8500+ openings per square inch.

Materials can be anodized, plated, painted or plastic coated, bent, formed, & punched. Our efficient expanding process is of great advantage with very expensive raw materials such as Silver and Titanium. Dexmet has the ability to expand all ductile materials. Dexmet offers the greatest range of products, capabilities and resources available... all with ISO 9001:2008 certified quality.

Applications & Advantages

- ▲ Anode & Cathode Current Collector Screens
- ▲ Active Material Support Structure
- ▲ Engineered Geometry For Precision Weight, Thickness, Open Area and Conductivity
- ▲ One Piece Single-Unit Structure for Superior Electrical Conductivity



Features

- ▲ Plated or Coated Materials Available
- ▲ Controlled Openings and Thickness Down to 0.025 mm (0.001")
- ▲ 1300+ Openings/cm² (8500+ Openings/inch²)
- ▲ Integrated Battery Tab Eliminates Need for Tab Stock

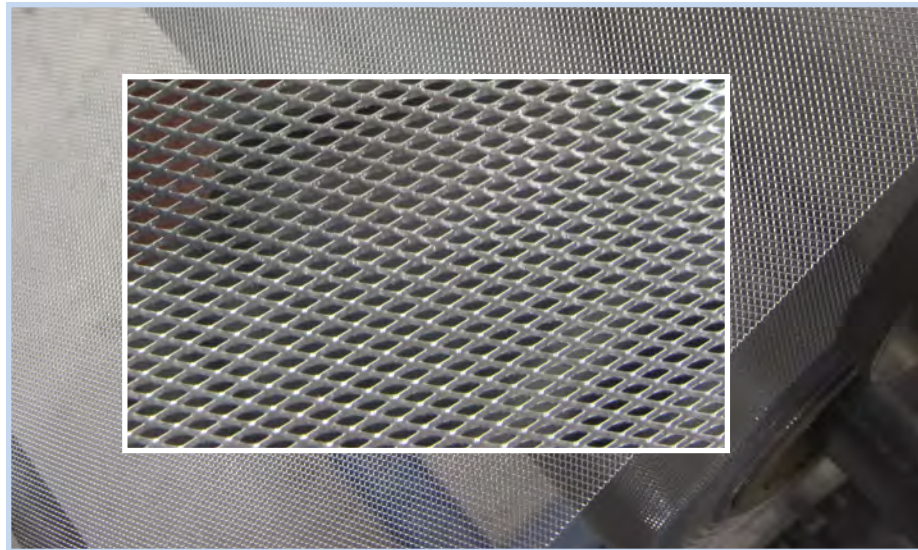
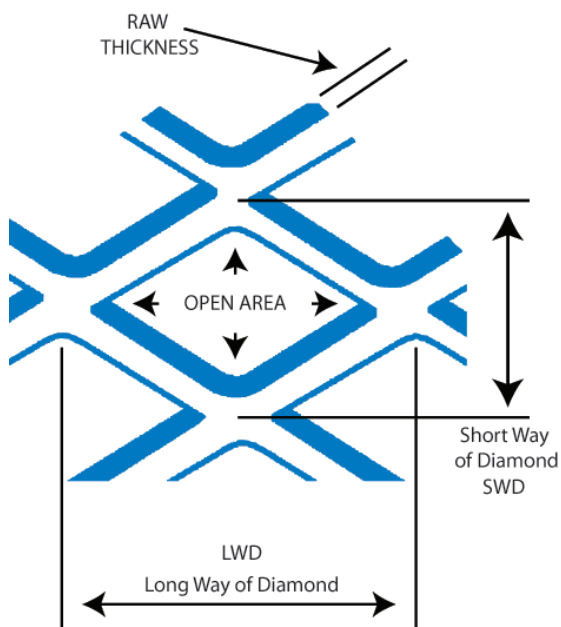
Dexmet Corporation
22 Barnes Industrial Road South
Wallingford, CT 06492 • USA

VISIT OUR WEBSITE FOR MORE INFORMATION

WWW.DEXMET.COM

+1-203-294-4440

MICROGRID® EXPANDED METALS FOR ADVANCED BATTERY, CAPACITOR & ENERGY STORAGE TECHNOLOGIES



Standard Dexamet MicroGrid® Configurations

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
025	0.635	0.318	0.391	0.030	0.203	806.20	992.25	32%	75%	203.2	0.025	0.076
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
500	12.700	2.311	3.632	0.762	3.302	6.98	12.40	35%	90%	609.6	0.127	0.762

DEXMET CORPORATION
 22 BARNES INDUSTRIAL ROAD SOUTH
 WALLINGFORD, CT 06492 • USA

VISIT OUR WEBSITE FOR MORE INFORMATION
WWW.DEXMET.COM
 +1-203-294-4440

MICROGRID® IS A REGISTERED TRADEMARK OF DEXMET CORPORATION. EXPANDING TECHNOLOGY™ IS A TRADEMARK OF DEXMET CORPORATION