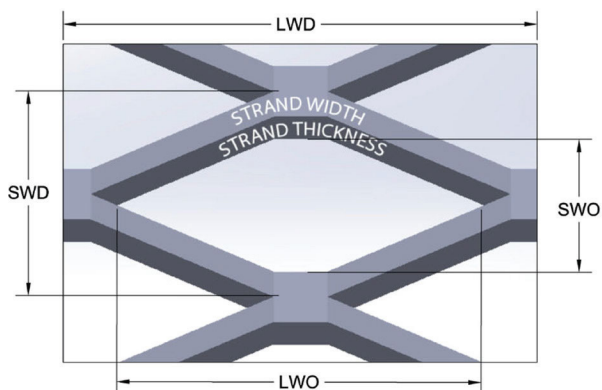




# NILES EXPANDED METALS

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## MANUFACTURING SPECIFICATIONS FOR 48 SWD STOCK SHEETS



**SWD** – The dimensional (US/Metric) size (Short Way Dimension) of the mesh pattern.

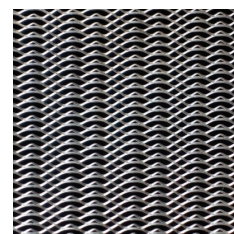
**LWD** – The dimensional (US/Metric) size (Long Way Dimension) of the mesh pattern.

**SWO** – The dimensional (US/Metric) size (Short Way Opening) of the mesh pattern.

**LWO** – The dimensional size (US/Metric) (Long Way Opening) of the mesh pattern.

## CHANTILLY DECORATIVE METAL

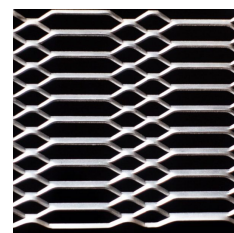
| STYLE       | LBS. PER 100 sq ft | SWD   | LWD       | THICKNESS | WIDTH | OVERALL THICKNESS | OPEN AREA |
|-------------|--------------------|-------|-----------|-----------|-------|-------------------|-----------|
| 1/4" – .032 | 21                 | 0.22  | .375-.750 | 0.032     | 0.05  | 0.09              | 53%       |
| TOLERANCES  | MINIMUM            | +/-5% | ABSOLUTE  | MINIMUM   | +/-5% | +/-10%            | +/-10%    |



\*Created to Niles International standard specifications

## CRESCENDO DECORATIVE METAL

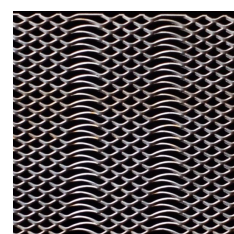
| STYLE       | LBS. PER 100 sq ft | SWD   | LWD      | THICKNESS | WIDTH | OVERALL THICKNESS | OPEN AREA |
|-------------|--------------------|-------|----------|-----------|-------|-------------------|-----------|
| 1/2" – .051 | 28                 | 0.458 | 1.0-2.0  | 0.051     | 0.089 | 0.175             | 61%       |
| 1/2" – .081 | 45                 | 0.458 | 1.0-2.0  | 0.081     | 0.089 | 0.175             | 61%       |
| TOLERANCES  | MINIMUM            | +/-5% | ABSOLUTE | MINIMUM   | +/-5% | +/-10%            | +/-10%    |



\*Created to Niles International standard specifications

## ECHO DECORATIVE METAL

| STYLE       | LBS. PER 100 sq ft | SWD   | LWD       | THICKNESS | WIDTH | OVERALL THICKNESS | OPEN AREA |
|-------------|--------------------|-------|-----------|-----------|-------|-------------------|-----------|
| 1/4" – .032 | 21                 | 0.22  | .375-.750 | 0.032     | 0.05  | 0.09              | 53%       |
| TOLERANCES  | MINIMUM            | +/-5% | ABSOLUTE  | MINIMUM   | +/-5% | +/-10%            | +/-10%    |



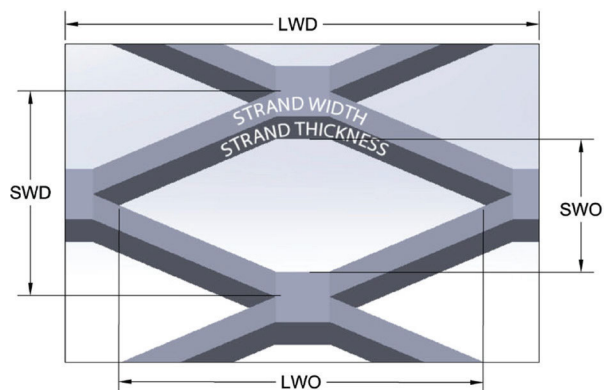
\*Created to Niles International standard specifications



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## MANUFACTURING SPECIFICATIONS FOR 48 SWD STOCK SHEETS



**SWD** – The dimensional (US/Metric) size (Short Way Dimension) of the mesh pattern.

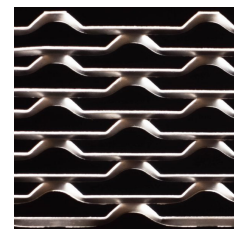
**LWD** – The dimensional (US/Metric) size (Long Way Dimension) of the mesh pattern.

**SWO** – The dimensional (US/Metric) size (Short Way Opening) of the mesh pattern.

**LWO** – The dimensional size (US/Metric) (Long Way Opening) of the mesh pattern.

## GALAXIE DECORATIVE METAL

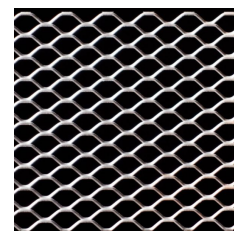
| STYLE        | LBS. PER 100 sq ft | SWD   | LWD      | THICKNESS | WIDTH | OVERALL THICKNESS | OPEN AREA |
|--------------|--------------------|-------|----------|-----------|-------|-------------------|-----------|
| 3/16" – .040 | 34                 | 0.2   | 0.812    | 0.04      | 0.06  | 0.099             | 47%       |
| 1/2" – .051  | 31                 | 0.42  | 1.2      | 0.051     | 0.1   | 0.141             | 57%       |
| 3/4" – .051  | 36                 | 0.7   | 2.5      | 0.051     | 0.1   | 0.275             | 50%       |
| TOLERANCES   | MINIMUM            | +/-5% | ABSOLUTE | MINIMUM   | +/-5% | +/-10%            | +/-10%    |



\*Created to Niles International standard specifications

## HONEYCOMB EXPANDED METAL

| STYLE       | LBS. PER 100 sq ft | SWD   | LWD      | THICKNESS | WIDTH | OVERALL THICKNESS | OPEN AREA |
|-------------|--------------------|-------|----------|-----------|-------|-------------------|-----------|
| 1/4" – .040 | 21                 | 0.23  | 0.4      | 0.04      | 0.05  | 0.094             | 63%       |
| 3/8" – .051 | 23                 | 0.4   | 0.75     | 0.051     | 0.07  | 0.133             | 68%       |
| TOLERANCES  | MINIMUM            | +/-5% | ABSOLUTE | MINIMUM   | +/-5% | +/-10%            | +/-10%    |



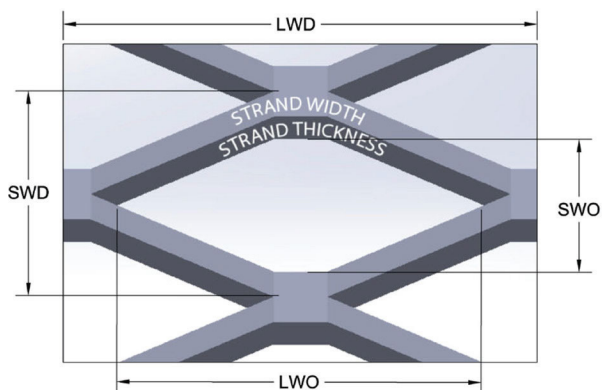
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## MANUFACTURING SPECIFICATIONS FOR 48 SWD STOCK SHEETS



**SWD** – The dimensional (US/Metric) size (Short Way Dimension) of the mesh pattern.

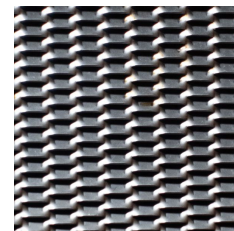
**LWD** – The dimensional (US/Metric) size (Long Way Dimension) of the mesh pattern.

**SWO** – The dimensional (US/Metric) size (Short Way Opening) of the mesh pattern.

**LWO** – The dimensional size (US/Metric) (Long Way Opening) of the mesh pattern.

## LOUVER DECORATIVE METAL

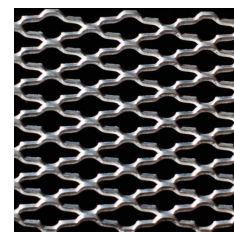
| STYLE        | LBS. PER 100 sq ft | SWD   | LWD      | THICKNESS | WIDTH | OVERALL THICKNESS | OPEN AREA |
|--------------|--------------------|-------|----------|-----------|-------|-------------------|-----------|
| 1/8" – .040  | 44                 | 0.13  | 0.5      | 0.04      | 0.05  | 0.08              | 18%       |
| 3/16" – .040 | 48                 | 0.19  | 0.75     | 0.04      | 0.08  | 0.175             | 11%       |
| TOLERANCES   | MINIMUM            | +/-5% | ABSOLUTE | MINIMUM   | +/-5% | +/-10%            | +/-10%    |



\*Created to Niles International standard specifications

## PROVINCIAL DECORATIVE METAL

| STYLE       | LBS. PER 100 sq ft | SWD   | LWD      | THICKNESS | WIDTH | OVERALL THICKNESS | OPEN AREA |
|-------------|--------------------|-------|----------|-----------|-------|-------------------|-----------|
| 1/2" – .081 | 40                 | 0.52  | 1.26     | 0.081     | 0.09  | 0.175             | 73%       |
| TOLERANCES  | MINIMUM            | +/-5% | ABSOLUTE | MINIMUM   | +/-5% | +/-10%            | +/-10%    |



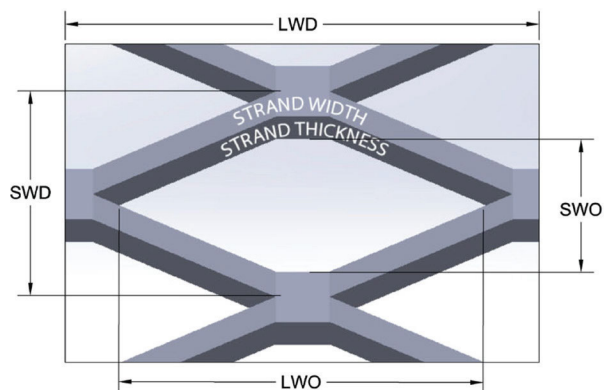
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## MANUFACTURING SPECIFICATIONS FOR 48 SWD STOCK SHEETS



**SWD** – The dimensional (US/Metric) size (Short Way Dimension) of the mesh pattern.

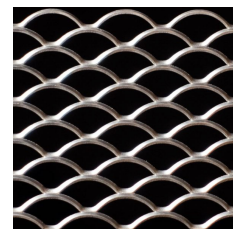
**LWD** – The dimensional (US/Metric) size (Long Way Dimension) of the mesh pattern.

**SWO** – The dimensional (US/Metric) size (Short Way Opening) of the mesh pattern.

**LWO** – The dimensional size (US/Metric) (Long Way Opening) of the mesh pattern.

## RHYTHM DECORATIVE METAL

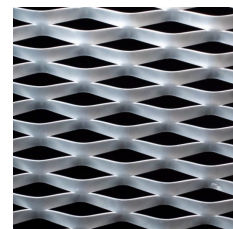
| STYLE         | LBS. PER 100 sq ft | SWD   | LWD      | THICKNESS | WIDTH | OVERALL THICKNESS | OPEN AREA |
|---------------|--------------------|-------|----------|-----------|-------|-------------------|-----------|
| 5/16" – .040  | 23                 | 0.3   | 0.6      | 0.04      | 0.06  | 0.1               | 60%       |
| 1/2" – .051   | 21                 | 0.6   | 1.2      | 0.051     | 0.09  | 0.168             | 72%       |
| 1/2" – .081   | 33                 | 0.6   | 1.2      | 0.081     | 0.09  | 0.185             | 70%       |
| 1-1/2" .051   | 19                 | 1.5   | 3        | 0.081     | 0.12  | 0.225             | 82%       |
| 1-1/2" – .081 | 34                 | 1.5   | 3        | 0.125     | 0.14  | 0.225             | 78%       |
| TOLERANCES    | MINIMUM            | +/-5% | ABSOLUTE | MINIMUM   | +/-5% | +/-10%            | +/-10%    |



\*Created to Niles International standard specifications

## SUNSHADE DECORATIVE METAL

| STYLE         | LBS. PER 100 sq ft | SWD   | LWD      | THICKNESS | WIDTH | OVERALL THICKNESS | OPEN AREA |
|---------------|--------------------|-------|----------|-----------|-------|-------------------|-----------|
| 5/16" – .040  | 38                 | 0.28  | 0.6      | 0.04      | 0.1   | 0.103             | 30%       |
| 1/2" – .051   | 48                 | 0.6   | 1.2      | 0.051     | 0.2   | 0.219             | 35%       |
| 1/2" – .081   | 77                 | 0.6   | 1.2      | 0.081     | 0.2   | 0.219             | 35%       |
| 1-1/2" .051   | 59                 | 1.3   | 3        | 0.051     | 0.5   | 0.5               | 21%       |
| 1-1/2" – .081 | 89                 | 1.3   | 3        | 0.081     | 0.5   | 0.53              | 23%       |
| TOLERANCES    | MINIMUM            | +/-5% | ABSOLUTE | MINIMUM   | +/-5% | +/-10%            | +/-10%    |



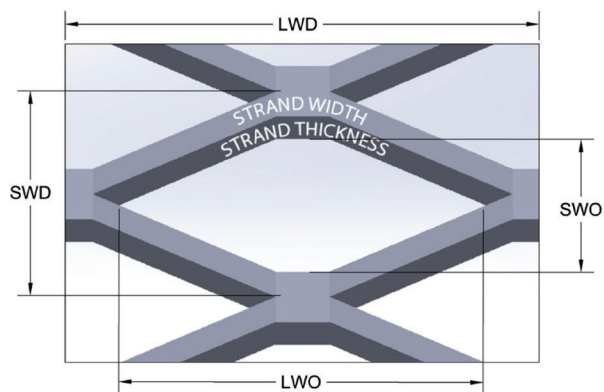
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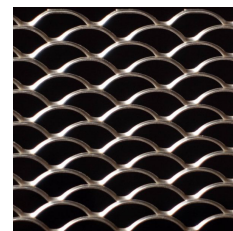
**LWD** – The dimensional (US/Metric) size (Long Way Dimension) of the mesh pattern.

**SWO** – The dimensional (US/Metric) size (Short Way Opening) of the mesh pattern.

**LWO** – The dimensional size (US/Metric) (Long Way Opening) of the mesh pattern.

## SURF DECORATIVE METAL

| STYLE       | LBS. PER 100 sq ft | SWD   | LWD      | THICKNESS | WIDTH | OVERALL THICKNESS | OPEN AREA |
|-------------|--------------------|-------|----------|-----------|-------|-------------------|-----------|
| 1/2" – .051 | 27                 | 0.6   | 1.2      | 0.051     | 1.2   | 0.165             | 63%       |
| 3/4" – .051 | 43                 | 0.6   | 1.2      | 0.081     | 1.2   | 0.185             | 61%       |
| TOLERANCES  | MINIMUM            | +/-5% | ABSOLUTE | MINIMUM   | +/-5% | +/-10%            | +/-10%    |



\*Created to Niles International standard specifications