The Axent Display System consists of two major components - tubes and nodes - assembled together to form modules.

- A module is a series of tubes interconnected by nodes to form a prescribed pattern.
- Since most Axent space-frames are equilateral polygons, the module size is the length of one square or rectangular side from one node to the center of the adjacent node.

- Standard Module lengths begin at 12" and progress geometrically by a factor of \( \sqrt{2} \). The standard tubes are designated by the module length they form rounded to the nearest inch.
- Nodes are designated by their number of holes and their geometric pattern.

- Axent is available in three materials: Plastic, Aluminum and Steel.

- Part numbers for tubes and nodes are designated by material (P, A or S); item (T or N); module size or node number as shown below.

<table>
<thead>
<tr>
<th>Axent</th>
<th>Material</th>
<th>Tube or Node</th>
<th>Module Length of Node Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>P</td>
<td>T</td>
<td>12&quot; 17&quot; 24&quot; 34&quot; 48&quot; 68&quot;</td>
</tr>
<tr>
<td>or A*</td>
<td></td>
<td>1200 1700 2400 3400 4800 6800</td>
<td></td>
</tr>
<tr>
<td>or S</td>
<td></td>
<td>6 Hole 14 Hole 18 Hole 18 Hole</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0600 1200 1400 1800 1801 2601 2602</td>
<td></td>
</tr>
</tbody>
</table>

- EXAMPLE: An Axent 18 Hole plastic node would be designated XPN1800 (color).
- EXAMPLE: An Axent Steel Tube for a 17" module would be designated XST1700 (finish).

* Aluminum is available in three diameters (7/8", 1-1/4", and 1-9/16"), designated by an additional digit in the part number (XAT17002). See Pricing Sheet for additional information.

Heaviest line weight — indicates top chord
Middle line weight — indicates webs
Lightest line weight — indicates bottom chord

QUICK MATERIAL COUNT

- When using the standard module.

- All tubes are the same length and all nodes an 1800 node.

1. Total Number of Tubes =
   Total Number of Modules x 8
2. Total Number of Nodes =
   \[ ((\text{number of modules in a horizontal row} + 1) \times \text{(number of modules in a vertical row} + 1) + \text{(total number of modules})] \]

EXAMPLE:
Total Number of Tubes = \((6 \times 5) \times 8 = 240\) Tubes
Total Number of Nodes = \(([6+1] \times (5+1) + (6+5))] = 72\) nodes
STANDARD MODULE

Heaviest line weight—indicates top chord
Middle line weight—indicates webs
Lightest line weight—indicates bottom chord

STANDARD MODULE WITH EDGE-FRAMING

Heaviest line weight—indicates top chord
Middle line weight—indicates webs
Lightest line weight—indicates bottom chord
Dotted line—indicates hidden tubes

- Edge facing refers to squaring off the perimeter of the space-frame. Since the perimeter is sloped, the edge facing makes the outer edges square. This application is occasionally desired to secure such things as signs, headers, banners, and the like, both for aesthetic and structural reasons.

- The web and vertical tubes used for edge-facing are the same length and will be the next standard length shorter than the module size used.
ALTERNATING MODULE

Heaviest line weight—indicates top chord
Middle line weight—indicates webs
Lightest line weight—indicates bottom chord
Dotted line—indicates hidden diagonal tubes

- All top, bottom, and web tubes are the same length. Diagonal tubes are the next standard length longer.
- All nodes are an 1800 node.

REDUCED DEPTH MODULE

Heaviest line weight—indicates top chord
Middle line weight—indicates webs
Lightest line weight—indicates bottom chord

- All top and bottom chord tubes are the same length. All web tubes are a different length. All nodes are a 1400 node.
CUBE MODULE

Heaviest line weight—indicates top chord
Middle line weight—indicates webs
Lightest line weight—indicates bottom chord
Dotted line—indicates hidden diagonal tubes

- All horizontal and vertical tubes are the same length. Diagonal tubes are the next standard length longer. All nodes are an 1800 node.

TRIANGULAR MODULE

Heaviest line weight—indicates top chord
Middle line weight—indicates webs
Lightest line weight—indicates bottom chord

- All tubes are the same length. All nodes are an 1800 node.