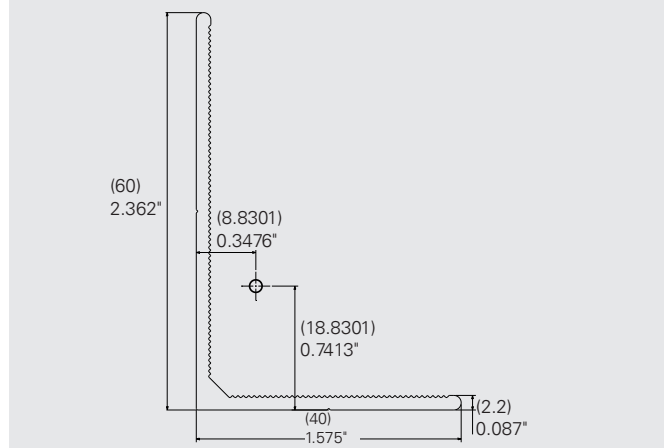


# NVELOPE™

## 2.2 mm L-rail



### Product Selection

| Material No. | Description                              | NAC Code           | Material          |
|--------------|--|--------------------|-------------------|
| 1521357      | L profile 60 × 40 × 2.2 × 3000 (118.11") | NV-L60-40-2.2-3000 | 6005A-T6 Aluminum |
| 1521375      | L profile 60 × 40 × 2.2 × 6000 (236.22") | NV-L60-40-2.2-6000 | 6005A-T6 Aluminum |

\*Note: Other sizes are available, please contact SFS for additional information.

### Performance Data

#### Rail Material Properties

|                      |   |
|----------------------|---|
| Young's Modulus      | 10,100 ksi (70 GPa)                             |
| Tensile Strength     | 38 ksi (260 MPa)                                |
| Shear Strength       | 24 ksi (165 MPa)                                |
| Tensile Yield        | 35 ksi (240 MPa)                                |
| Thermal Conductivity | 1,310 Btu-in/ft <sup>2</sup> -hr-°F (183 W/m-k) |

#### Rail Section Properties

|                |  |
|----------------|--|
| I <sub>x</sub> | 0.183 in <sup>4</sup> (76,269 mm <sup>4</sup> )  |
| I <sub>y</sub> | 0.067 in <sup>4</sup> (27,910 mm <sup>4</sup> )  |
| R <sub>x</sub> | 0.766 in (19.46 mm)                              |
| R <sub>y</sub> | 0.464 in (11.77 mm)                              |
| A              | 0.312 in <sup>2</sup> (201.31 mm <sup>2</sup> )  |
| S <sub>x</sub> | 0.112 in <sup>3</sup> (1,834.7 mm <sup>3</sup> ) |
| S <sub>y</sub> | 0.054 in <sup>3</sup> (889.44 mm <sup>3</sup> )  |