



**PRODUCT IDENTIFICATION**

STUD DEPTH — **362 PS 137 - 24** — MATERIAL THICKNESS  
 250 = 2 1/2"  
 362 = 3 3/8"  
 400 = 4"  
 600 = 6"  
 PS - PRIMESTUD  
 PT - PRIMETRACK  
 FLANGE SIZE  
 137 = 1 3/8"  
 125 = 1 1/4"  
 IN MILS  
 1 MIL = 0.001 INCH



**PrimeStud Track Properties Table**

| Member Designation | Minimum Thickness (inch) | Design Thickness (inch) | Min. Yield Stress (ksi) | Weight (lb/ft) | GROSS SECTION PROPERTIES |                                   |                     | EFFECTIVE PROPERTIES              |                     |                                    |                                    | TORSIONAL PROPERTIES                |                                   |                      | Lu (in) |                     |  |                                   |                     |      |
|--------------------|--------------------------|-------------------------|-------------------------|----------------|--------------------------|-----------------------------------|---------------------|-----------------------------------|---------------------|------------------------------------|------------------------------------|-------------------------------------|-----------------------------------|----------------------|---------|---------------------|--|-----------------------------------|---------------------|------|
|                    |                          |                         |                         |                | Area (in <sup>2</sup> )  | I <sub>x</sub> (in <sup>4</sup> ) | r <sub>x</sub> (in) | I <sub>y</sub> (in <sup>4</sup> ) | r <sub>y</sub> (in) | I <sub>xe</sub> (in <sup>4</sup> ) | S <sub>xe</sub> (in <sup>3</sup> ) | M <sub>ax</sub> (k-in) Fully Braced | M <sub>ax</sub> (k-in) @ 48" o.c. | V <sub>a</sub> (lbs) |         | X <sub>o</sub> (in) | J x 10 <sup>3</sup> (in <sup>4</sup> ) | C <sub>w</sub> (in <sup>6</sup> ) | F <sub>o</sub> (in) | β    |
| 162PS125-15        | 0.015                    | 0.0158                  | 41                      | 0.24           | 0.075                    | 0.034                             | 0.678               | 0.017                             | 0.475               | 0.030                              | 0.034                              | 0.85                                | 0.71                              | 215                  | -1.155  | 0.00062             | 0.012                                  | 1.421                             | 0.339               | 29.3 |
| 250PS125-15        | 0.015                    | 0.0158                  | 41                      | 0.29           | 0.088                    | 0.091                             | 1.015               | 0.019                             | 0.465               | 0.081                              | 0.060                              | 1.47                                | 1.23                              | 221                  | -0.992  | 0.00735             | 0.027                                  | 1.494                             | 0.559               | 29.9 |
| 362PS125-15        | 0.015                    | 0.0158                  | 41                      | 0.34           | 0.106                    | 0.214                             | 1.422               | 0.021                             | 0.447               | 0.188                              | 0.095                              | 2.33                                | 1.95                              | 273                  | -0.853  | 0.00883             | 0.059                                  | 1.717                             | 0.753               | 31.9 |
| 400PS125-15        | 0.015                    | 0.0158                  | 41                      | 0.36           | 0.112                    | 0.270                             | 1.552               | 0.022                             | 0.441               | 0.235                              | 0.107                              | 2.62                                | 2.19                              | 232                  | -0.816  | 0.00933             | 0.073                                  | 1.808                             | 0.796               | 31.7 |
| 600PS125-15        | 0.015                    | 0.0158                  | 41                      | 0.46           | 0.144                    | 0.709                             | 2.222               | 0.024                             | 0.409               | 0.599                              | 0.174                              | 4.27                                | 3.40                              | 195                  | -0.670  | 0.01196             | 0.177                                  | 2.357                             | 0.919               | 27.4 |
| 162PS137-24        | 0.0236                   | 0.0248                  | 41                      | 0.40           | 0.123                    | 0.057                             | 0.680               | 0.033                             | 0.515               | 0.054                              | 0.064                              | 1.57                                | 1.39                              | 231                  | -1.273  | 0.02513             | 0.023                                  | 1.532                             | 0.310               | 31.8 |
| 250PS137-24        | 0.0236                   | 0.0248                  | 41                      | 0.47           | 0.144                    | 0.150                             | 1.021               | 0.037                             | 0.508               | 0.143                              | 0.110                              | 2.70                                | 2.36                              | 318                  | -1.102  | 0.02958             | 0.052                                  | 1.586                             | 0.517               | 32.4 |
| 362PS137-24        | 0.0236                   | 0.0248                  | 41                      | 0.56           | 0.172                    | 0.353                             | 1.432               | 0.041                             | 0.491               | 0.331                              | 0.176                              | 4.33                                | 3.79                              | 323                  | -0.954  | 0.03530             | 0.113                                  | 1.790                             | 0.716               | 34.5 |
| 400PS137-24        | 0.0236                   | 0.0248                  | 41                      | 0.59           | 0.181                    | 0.444                             | 1.565               | 0.043                             | 0.484               | 0.416                              | 0.199                              | 4.89                                | 4.31                              | 303                  | -0.915  | 0.03721             | 0.140                                  | 1.876                             | 0.762               | 34.8 |
| 600PS137-24        | 0.0236                   | 0.0248                  | 41                      | 0.75           | 0.231                    | 1.161                             | 2.241               | 0.047                             | 0.451               | 1.067                              | 0.358                              | 8.06                                | 6.86                              | 351                  | -0.757  | 0.04737             | 0.341                                  | 2.408                             | 0.901               | 30.8 |

For SI: 1 inch = 25.4 mm, 1lb/ft = 14.6 N/m, 1 in-lb = 0.112985 N-m.

**PrimeStud Track Properties Table**

| Member Designation | Minimum Steel Thickness (inch) | Design Steel Thickness (inch) | Min. Yield Stress (ksi) | Weight (lbs./ft.) | GROSS SECTION PROPERTIES |                                   |                      | EFFECTIVE PROPERTIES              |                      |                                    |                                    | TORSIONAL PROPERTIES   |                        |                      |  |                                   |                      |       |
|--------------------|--------------------------------|-------------------------------|-------------------------|-------------------|--------------------------|-----------------------------------|----------------------|-----------------------------------|----------------------|------------------------------------|------------------------------------|------------------------|------------------------|----------------------|--|-----------------------------------|----------------------|-------|
|                    |                                |                               |                         |                   | Area (in <sup>2</sup> )  | I <sub>x</sub> (in <sup>4</sup> ) | r <sub>x</sub> (in.) | I <sub>y</sub> (in <sup>4</sup> ) | r <sub>y</sub> (in.) | I <sub>xe</sub> (in <sup>4</sup> ) | S <sub>xe</sub> (in <sup>3</sup> ) | M <sub>ax</sub> (k-in) | M <sub>ax</sub> (k-in) | X <sub>o</sub> (in.) | J x 10 <sup>3</sup> (in <sup>4</sup> ) | C <sub>w</sub> (in <sup>6</sup> ) | r <sub>o</sub> (in.) | β     |
| 162PT125-15        | 0.015                          | 0.0158                        | 41                      | 0.22              | 0.069                    | 0.035                             | 0.716                | 0.013                             | 0.434                | 0.030                              | 0.032                              | 0.79                   | 0.50                   | -0.960               | 0.00574                                | 0.007                             | 1.274                | 0.432 |
| 250PT125-15        | 0.015                          | 0.0158                        | 41                      | 0.27              | 0.083                    | 0.090                             | 1.041                | 0.015                             | 0.420                | 0.078                              | 0.056                              | 1.37                   | 0.83                   | -0.822               | 0.00689                                | 0.018                             | 1.392                | 0.651 |
| 362PT125-15        | 0.015                          | 0.0158                        | 41                      | 0.32              | 0.101                    | 0.207                             | 1.435                | 0.016                             | 0.399                | 0.178                              | 0.088                              | 2.15                   | 1.33                   | -0.703               | 0.00837                                | 0.041                             | 1.647                | 0.818 |
| 400PT125-15        | 0.015                          | 0.0158                        | 41                      | 0.34              | 0.107                    | 0.260                             | 1.562                | 0.016                             | 0.392                | 0.222                              | 0.098                              | 2.41                   | 1.51                   | -0.672               | 0.00886                                | 0.051                             | 1.745                | 0.852 |
| 600PT125-15        | 0.015                          | 0.0158                        | 41                      | 0.45              | 0.138                    | 0.678                             | 2.215                | 0.018                             | 0.359                | 0.548                              | 0.155                              | 3.80                   | 2.64                   | -0.547               | 0.00115                                | 0.128                             | 2.310                | 0.944 |
| 162PT125-24        | 0.0236                         | 0.0248                        | 41                      | 0.35              | 0.108                    | 0.056                             | 0.718                | 0.020                             | 0.432                | 0.053                              | 0.060                              | 1.48                   | 1.08                   | -0.956               | 0.02219                                | 0.011                             | 1.271                | 0.435 |
| 250PT125-24        | 0.0236                         | 0.0248                        | 41                      | 0.42              | 0.130                    | 0.141                             | 1.044                | 0.023                             | 0.418                | 0.135                              | 0.102                              | 2.50                   | 1.81                   | -0.818               | 0.02663                                | 0.028                             | 1.391                | 0.654 |
| 362PT125-24        | 0.0236                         | 0.0248                        | 41                      | 0.51              | 0.158                    | 0.326                             | 1.437                | 0.025                             | 0.397                | 0.313                              | 0.165                              | 4.05                   | 2.90                   | -0.700               | 0.03235                                | 0.064                             | 1.647                | 0.819 |
| 400PT125-24        | 0.0236                         | 0.0248                        | 41                      | 0.54              | 0.167                    | 0.409                             | 1.564                | 0.025                             | 0.390                | 0.391                              | 0.186                              | 4.56                   | 3.30                   | -0.669               | 0.03426                                | 0.080                             | 1.745                | 0.853 |
| 600PT125-24        | 0.0236                         | 0.0248                        | 41                      | 0.70              | 0.217                    | 1.065                             | 2.216                | 0.028                             | 0.357                | 0.978                              | 0.298                              | 7.31                   | 5.76                   | -0.544               | 0.04443                                | 0.200                             | 2.310                | 0.944 |

For SI: 1 inch = 25.4 mm, 1lb/ft = 14.6 N/m, 1 in-lb = 0.112985 N-m.