

ProSigma+ (Galv.) - Single Span Rails - Load Tables

| Section reference                                       | Weight<br>(Kg/m) | Total<br>Working<br>U.D.L. (KN) | Working Loads                          |       |      |      |      |      |      |      |      |                         | Ultimate U.D.L. in kN/Span |                         |       |       |                |  |  |  |            |  |  |  |
|---------------------------------------------------------|------------------|---------------------------------|----------------------------------------|-------|------|------|------|------|------|------|------|-------------------------|----------------------------|-------------------------|-------|-------|----------------|--|--|--|------------|--|--|--|
|                                                         |                  |                                 | Allowable loading in kN/m <sup>2</sup> |       |      |      |      |      |      |      |      | Deflection<br>Span /150 | Gravity<br>Load            | Uplift - metal cladding |       |       |                |  |  |  |            |  |  |  |
|                                                         |                  |                                 | Purlin Centres in millimetres          |       |      |      |      |      |      |      |      |                         |                            | Number of anti sag rods |       |       |                |  |  |  |            |  |  |  |
|                                                         |                  |                                 | 1200                                   | 1400  | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 |                         |                            | 0                       | 1     | 2     |                |  |  |  |            |  |  |  |
| Prosigma + Single Span Rails Load Tables Minimum S450GD |                  |                                 |                                        |       |      |      |      |      |      |      |      |                         |                            |                         |       |       | Span = 4.0     |  |  |  |            |  |  |  |
| Section Reference                                       | Weight           | U.D.L.                          | 1200                                   | 1400  | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | Defl.                   | Gravity                    | 0                       | 1     | 2     |                |  |  |  |            |  |  |  |
| DP-SP145/65/150                                         | 3.78             | 11.87                           | 2.47                                   | 2.12  | 1.86 | 1.65 | 1.48 | 1.35 | 1.24 | 1.14 | 1.06 | 14.86                   | 17.81                      | 11.13                   | 16.69 | 17.81 |                |  |  |  |            |  |  |  |
| DP-SP145/65/180                                         | 4.53             | 17.32                           | 3.61                                   | 3.09  | 2.71 | 2.41 | 2.16 | 1.97 | 1.80 | 1.67 | 1.55 | 17.74                   | 25.98                      | 15.37                   | 22.62 | 25.98 |                |  |  |  |            |  |  |  |
| DP-SP145/65/200                                         | 5.03             | 19.63                           | 4.09                                   | 3.50  | 3.07 | 2.73 | 2.45 | 2.23 | 2.04 | 1.89 | 1.75 | 19.63                   | 31.33                      | 18.18                   | 26.41 | 31.33 |                |  |  |  |            |  |  |  |
| DP-SP175/65/150                                         | 4.13             | 15.27                           | 3.18                                   | 2.73  | 2.39 | 2.12 | 1.91 | 1.73 | 1.59 | 1.47 | 1.36 | 19.80                   | 22.90                      | 12.90                   | 19.97 | 22.90 |                |  |  |  |            |  |  |  |
| DP-SP175/65/180                                         | 4.95             | 22.28                           | 4.64                                   | 3.98  | 3.48 | 3.10 | 2.79 | 2.53 | 2.32 | 2.14 | 1.99 | 23.65                   | 33.43                      | 17.73                   | 26.91 | 33.43 |                |  |  |  |            |  |  |  |
| DP-SP175/65/200                                         | 5.49             | 26.18                           | 5.45                                   | 4.67  | 4.09 | 3.64 | 3.27 | 2.97 | 2.73 | 2.52 | 2.34 | 26.18                   | 40.34                      | 20.91                   | 31.34 | 40.34 |                |  |  |  |            |  |  |  |
| DP-SP205/65/150                                         | 4.47             | 18.92                           | 3.94                                   | 3.38  | 2.96 | 2.63 | 2.37 | 2.15 | 1.97 | 1.82 | 1.69 | 28.75                   | 28.38                      | 14.28                   | 22.90 | 28.38 |                |  |  |  |            |  |  |  |
| DP-SP205/65/180                                         | 5.36             | 27.64                           | 5.76                                   | 4.93  | 4.32 | 3.84 | 3.45 | 3.14 | 2.88 | 2.66 | 2.47 | 34.36                   | 41.45                      | 19.52                   | 30.68 | 41.07 |                |  |  |  |            |  |  |  |
| DP-SP205/65/200                                         | 5.95             | 33.36                           | 6.95                                   | 5.96  | 5.21 | 4.63 | 4.17 | 3.79 | 3.48 | 3.21 | 2.98 | 38.05                   | 50.04                      | 22.96                   | 35.63 | 48.28 |                |  |  |  |            |  |  |  |
| DP-SP235/65/150                                         | 4.81             | 22.83                           | 4.76                                   | 4.08  | 3.57 | 3.17 | 2.85 | 2.59 | 2.38 | 2.19 | 2.04 | 35.73                   | 34.24                      | 16.92                   | 27.12 | 34.24 |                |  |  |  |            |  |  |  |
| DP-SP235/65/180                                         | 5.78             | 33.36                           | 6.95                                   | 5.96  | 5.21 | 4.63 | 4.17 | 3.79 | 3.47 | 3.21 | 2.98 | 42.73                   | 50.04                      | 23.14                   | 36.29 | 48.96 |                |  |  |  |            |  |  |  |
| DP-SP235/65/200                                         | 6.42             | 40.28                           | 8.39                                   | 7.19  | 6.29 | 5.60 | 5.04 | 4.58 | 4.20 | 3.87 | 3.60 | 47.33                   | 60.43                      | 27.24                   | 42.14 | 57.51 |                |  |  |  |            |  |  |  |
| DP-SP265/65/150                                         | 5.16             | 26.98                           | 5.62                                   | 4.82  | 4.22 | 3.75 | 3.37 | 3.07 | 2.81 | 2.59 | 2.41 | 47.62                   | 40.47                      | 18.45                   | 30.26 | 40.18 |                |  |  |  |            |  |  |  |
| DP-SP265/65/180                                         | 6.19             | 39.45                           | 8.22                                   | 7.04  | 6.16 | 5.48 | 4.93 | 4.48 | 4.11 | 3.79 | 3.52 | 56.98                   | 59.17                      | 25.15                   | 40.31 | 55.39 |                |  |  |  |            |  |  |  |
| DP-SP265/65/200                                         | 6.88             | 47.65                           | 9.93                                   | 8.51  | 7.45 | 6.62 | 5.96 | 5.41 | 4.96 | 4.58 | 4.25 | 63.13                   | 71.47                      | 29.56                   | 46.71 | 64.94 |                |  |  |  |            |  |  |  |
| DP-SP300/65/150                                         | 5.56             | 32.14                           | 6.70                                   | 5.74  | 5.02 | 4.46 | 4.02 | 3.65 | 3.35 | 3.09 | 2.87 | 64.22                   | 48.21                      | 20.58                   | 34.29 | 46.29 |                |  |  |  |            |  |  |  |
| DP-SP300/65/180                                         | 6.68             | 47.00                           | 9.79                                   | 8.39  | 7.34 | 6.53 | 5.88 | 5.34 | 4.90 | 4.52 | 4.20 | 76.86                   | 70.51                      | 28.01                   | 45.52 | 63.56 |                |  |  |  |            |  |  |  |
| DP-SP300/65/200                                         | 7.42             | 56.80                           | 11.83                                  | 10.14 | 8.87 | 7.89 | 7.10 | 6.45 | 5.92 | 5.46 | 5.07 | 85.19                   | 85.19                      | 32.89                   | 52.67 | 74.39 |                |  |  |  |            |  |  |  |
| DP-SP325/65/150                                         | 5.85             | 36.02                           | 7.50                                   | 6.43  | 5.63 | 5.00 | 4.50 | 4.09 | 3.75 | 3.46 | 3.22 | 77.98                   | 54.03                      | 21.68                   | 36.75 | 50.32 |                |  |  |  |            |  |  |  |
| DP-SP325/65/180                                         | 7.02             | 52.70                           | 10.98                                  | 9.41  | 8.23 | 7.32 | 6.59 | 5.99 | 5.49 | 5.07 | 4.71 | 93.36                   | 79.05                      | 29.42                   | 48.62 | 68.87 |                |  |  |  |            |  |  |  |
| DP-SP325/65/200                                         | 7.80             | 63.69                           | 13.27                                  | 11.37 | 9.95 | 8.85 | 7.96 | 7.24 | 6.63 | 6.12 | 5.69 | 103.49                  | 95.54                      | 34.51                   | 56.18 | 80.48 |                |  |  |  |            |  |  |  |
| Prosigma + Single Span Rails Load Tables Minimum S450GD |                  |                                 |                                        |       |      |      |      |      |      |      |      |                         |                            |                         |       |       | Span = 4.5     |  |  |  |            |  |  |  |
| Section Reference                                       | Weight           | U.D.L.                          | 1200                                   | 1400  | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | Defl.                   | Gravity                    | 0                       | 1     | 2     |                |  |  |  |            |  |  |  |
| DP-SP145/65/150                                         | 3.78             | 10.55                           | 1.95                                   | 1.68  | 1.47 | 1.30 | 1.17 | 1.07 | 0.98 | 0.90 | 0.84 | 11.74                   | 15.83                      | 9.27                    | 13.65 | 15.83 |                |  |  |  |            |  |  |  |
| DP-SP145/65/180                                         | 4.53             | 14.02                           | 2.60                                   | 2.22  | 1.95 | 1.73 | 1.56 | 1.42 | 1.30 | 1.20 | 1.11 | 14.02                   | 23.09                      | 12.90                   | 18.46 | 23.09 |                |  |  |  |            |  |  |  |
| DP-SP145/65/200                                         | 5.03             | 15.51                           | 2.87                                   | 2.46  | 2.15 | 1.91 | 1.72 | 1.57 | 1.44 | 1.33 | 1.23 | 15.51                   | 27.85                      | 15.31                   | 21.57 | 27.85 |                |  |  |  |            |  |  |  |
| DP-SP175/65/150                                         | 4.13             | 13.57                           | 2.51                                   | 2.15  | 1.88 | 1.68 | 1.51 | 1.37 | 1.26 | 1.16 | 1.08 | 15.64                   | 20.36                      | 10.68                   | 16.22 | 20.36 |                |  |  |  |            |  |  |  |
| DP-SP175/65/180                                         | 4.95             | 18.69                           | 3.46                                   | 2.97  | 2.60 | 2.31 | 2.08 | 1.89 | 1.73 | 1.60 | 1.48 | 18.69                   | 29.71                      | 14.80                   | 21.82 | 29.31 |                |  |  |  |            |  |  |  |
| DP-SP175/65/200                                         | 5.49             | 20.68                           | 3.83                                   | 3.28  | 2.87 | 2.55 | 2.30 | 2.09 | 1.92 | 1.77 | 1.64 | 20.68                   | 35.85                      | 17.53                   | 25.42 | 34.36 |                |  |  |  |            |  |  |  |
| DP-SP205/65/150                                         | 4.47             | 16.82                           | 3.11                                   | 2.67  | 2.34 | 2.08 | 1.87 | 1.70 | 1.56 | 1.44 | 1.33 | 22.71                   | 25.23                      | 11.76                   | 18.47 | 24.83 |                |  |  |  |            |  |  |  |
| DP-SP205/65/180                                         | 5.36             | 24.56                           | 4.55                                   | 3.90  | 3.41 | 3.03 | 2.73 | 2.48 | 2.27 | 2.10 | 1.95 | 27.15                   | 36.85                      | 16.20                   | 24.69 | 34.01 |                |  |  |  |            |  |  |  |
| DP-SP205/65/200                                         | 5.95             | 29.65                           | 5.49                                   | 4.71  | 4.12 | 3.66 | 3.29 | 3.00 | 2.75 | 2.53 | 2.35 | 30.06                   | 44.48                      | 19.14                   | 28.68 | 39.77 |                |  |  |  |            |  |  |  |
| DP-SP235/65/150                                         | 4.81             | 20.29                           | 3.76                                   | 3.22  | 2.82 | 2.51 | 2.25 | 2.05 | 1.88 | 1.73 | 1.61 | 28.23                   | 30.44                      | 13.94                   | 21.84 | 29.58 |                |  |  |  |            |  |  |  |
| DP-SP235/65/180                                         | 5.78             | 29.65                           | 5.49                                   | 4.71  | 4.12 | 3.66 | 3.29 | 3.00 | 2.75 | 2.53 | 2.35 | 33.76                   | 44.48                      | 19.24                   | 29.19 | 40.43 |                |  |  |  |            |  |  |  |
| DP-SP235/65/200                                         | 6.42             | 35.81                           | 6.63                                   | 5.68  | 4.97 | 4.42 | 3.98 | 3.62 | 3.32 | 3.06 | 2.84 | 37.40                   | 53.71                      | 22.73                   | 33.92 | 47.24 |                |  |  |  |            |  |  |  |
| DP-SP265/65/150                                         | 5.16             | 23.98                           | 4.44                                   | 3.81  | 3.33 | 2.96 | 2.66 | 2.42 | 2.22 | 2.05 | 1.90 | 37.63                   | 35.98                      | 15.15                   | 24.24 | 33.44 |                |  |  |  |            |  |  |  |
| DP-SP265/65/180                                         | 6.19             | 35.06                           | 6.49                                   | 5.57  | 4.87 | 4.33 | 3.90 | 3.54 | 3.25 | 3.00 | 2.78 | 45.02                   | 52.60                      | 20.83                   | 32.26 | 45.50 |                |  |  |  |            |  |  |  |
| DP-SP265/65/200                                         | 6.88             | 42.36                           | 7.84                                   | 6.72  | 5.88 | 5.23 | 4.71 | 4.28 | 3.92 | 3.62 | 3.36 | 49.88                   | 63.53                      | 24.58                   | 37.41 | 53.05 |                |  |  |  |            |  |  |  |
| DP-SP300/65/150                                         | 5.56             | 28.57                           | 5.29                                   | 4.53  | 3.97 | 3.53 | 3.17 | 2.89 | 2.65 | 2.44 | 2.27 | 50.74                   | 42.85                      | 16.87                   | 27.36 | 38.35 |                |  |  |  |            |  |  |  |
| DP-SP300/65/180                                         | 6.68             | 41.78                           | 7.74                                   | 6.63  | 5.80 | 5.16 | 4.64 | 4.22 | 3.87 | 3.57 | 3.32 | 60.73                   | 62.67                      | 23.16                   | 36.30 | 51.95 |                |  |  |  |            |  |  |  |
| DP-SP300/65/200                                         | 7.42             | 50.49                           | 9.35                                   | 8.01  | 7.01 | 6.23 | 5.61 | 5.10 | 4.67 | 4.32 | 4.01 | 67.31                   | 75.73                      | 27.30                   | 42.05 | 60.47 |                |  |  |  |            |  |  |  |
| DP-SP325/65/150                                         | 5.85             | 32.02                           | 5.93                                   | 5.08  | 4.45 | 3.95 | 3.56 | 3.23 | 2.96 | 2.74 | 2.54 | 61.61                   | 48.03                      | 17.71                   | 29.21 | 41.52 |                |  |  |  |            |  |  |  |
| DP-SP325/65/180                                         | 7.02             | 46.85                           | 8.68                                   | 7.44  | 6.51 | 5.78 | 5.21 | 4.73 | 4.34 | 4.00 | 3.72 | 73.76                   | 70.27                      | 24.26                   | 38.63 | 56.05 |                |  |  |  |            |  |  |  |
| DP-SP325/65/200                                         | 7.80             | 56.61                           | 10.48                                  | 8.99  | 7.86 | 6.99 | 6.29 | 5.72 | 5.24 | 4.84 | 4.49 | 81.77                   | 84.92                      | 28.57                   | 44.68 | 65.13 |                |  |  |  |            |  |  |  |
| Prosigma + Single Span Rails Load Tables                |                  |                                 |                                        |       |      |      |      |      |      |      |      |                         |                            |                         |       |       | Minimum S450GD |  |  |  | Span = 5.0 |  |  |  |
| Section Reference                                       | Weight           | U.D.L.                          | 1200                                   | 1400  | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | Defl.                   | Gravity                    | 0                       | 1     | 2     |                |  |  |  |            |  |  |  |
| DP-SP145/65/150                                         | 3.78             | 9.50                            | 1.58                                   | 1.36  | 1.19 | 1.06 | 0.95 | 0.86 | 0.79 | 0.73 |      | 9.51                    | 14.25                      | 7.93                    | 11.38 | 14.25 |                |  |  |  |            |  |  |  |
| DP-SP145/65/180                                         | 4.53             | 11.35                           | 1.89                                   | 1.62  | 1.42 | 1.26 | 1.14 | 1.03 | 0.95 | 0.87 | 0.81 | 11.35                   | 20.78                      | 11.11                   | 15.41 | 20.49 |                |  |  |  |            |  |  |  |
| DP-SP145/65/200                                         | 5.03             | 12.56                           | 2.09                                   | 1.79  | 1.57 | 1.40 | 1.26 | 1.14 | 1.05 | 0.97 | 0.90 | 12.56                   | 25.06                      | 13.22                   | 18.04 | 23.99 |                |  |  |  |            |  |  |  |
| DP-SP175/65/150                                         | 4.13             | 12.21                           | 2.04                                   | 1.74  | 1.53 | 1.36 | 1.22 | 1.11 | 1.02 | 0.94 | 0.87 | 12.67                   | 18.32                      | 9.09                    | 13.44 | 18.08 |                |  |  |  |            |  |  |  |
| DP-SP175/65/180                                         | 4.95             | 15.14                           | 2.52                                   | 2.16  | 1.89 | 1.68 | 1.51 | 1.38 | 1.26 | 1.16 | 1.08 | 15.14                   | 26.74                      | 12.69                   | 18.10 | 24.64 |                |  |  |  |            |  |  |  |
| DP-SP175/65/200                                         | 5.49             | 16.75                           | 2.79                                   | 2.39  | 2.09 | 1.86 | 1.68 | 1.52 | 1.40 | 1.29 | 1.20 | 16.75                   | 32.27                      | 15.07                   | 21.13 | 28.78 |                |  |  |  |            |  |  |  |
| DP-SP205/65/150                                         | 4.47             | 15.14                           | 2.52                                   | 2.16  | 1.89 | 1.68 | 1.51 | 1.38 | 1.26 | 1.16 | 1.08 | 18.40                   | 22.70                      | 9.95                    | 15.20 | 20.96 |                |  |  |  |            |  |  |  |
| DP-SP205/65/180                                         | 5.36             | 21.99                           | 3.67                                   | 3.14  | 2.75 | 2.44 | 2.20 | 2.00 | 1.83 | 1.69 | 1.57 | 21.99                   | 33.16                      | 13.82                   | 20.35 | 28.41 |                |  |  |  |            |  |  |  |
| DP-SP205/65/200                                         | 5.95             | 24.35                           | 4.06                                   | 3.48  | 3.04 | 2.71 | 2.44 | 2.21 | 2.03 | 1.87 | 1.74 | 24.35                   | 40.03                      | 16.39                   | 23.69 | 33.10 |                |  |  |  |            |  |  |  |
| DP-SP235/65/150                                         | 4.81             | 18.26                           | 3.04                                   | 2.61  | 2.28 | 2.03 | 1.83 | 1.66 | 1.52 | 1.40 | 1.30 | 22.87                   | 27.39                      | 11.82                   | 17.97 | 24.91 |                |  |  |  |            |  |  |  |
| DP-SP235/65/180                                         | 5.78             | 26.69                           | 4.45                                   | 3.81  | 3.34 | 2.97 | 2.67 | 2.43 | 2.22 | 2.05 | 1.91 | 27.35                   | 40.03                      | 16.43                   | 24.07 | 33.70 |                |  |  |  |            |  |  |  |
| DP-SP235/65/200                                         | 6.42             | 30.29                           | 5.05                                   | 4.33  | 3.79 | 3.37 | 3.03 | 2.75 | 2.52 | 2.33 | 2.16 | 30.29                   | 48.34                      | 19.48                   | 28.02 | 39.23 |                |  |  |  |            |  |  |  |
| DP-SP265/65/150                                         | 5.16             | 21.59                           | 3.60                                   | 3.08  | 2.70 | 2.40 | 2.16 | 1.96 | 1.80 | 1.66 | 1.54 | 30.40                   |                            |                         |       |       |                |  |  |  |            |  |  |  |

ProSigma+ (Galv.) - Single Span Rails - Load Tables

| Section reference                        | Weight<br>(kg/m) | Total<br>Working<br>U.D.L. (kN) | Working Loads                          |      |      |      |      |            |      |      |                         |                 | Ultimate U.D.L. in kN/Span |       |       |       |
|------------------------------------------|------------------|---------------------------------|----------------------------------------|------|------|------|------|------------|------|------|-------------------------|-----------------|----------------------------|-------|-------|-------|
|                                          |                  |                                 | Allowable loading in kN/m <sup>2</sup> |      |      |      |      |            |      |      | Deflection<br>Span /150 | Gravity<br>Load | Uplift - metal cladding    |       |       |       |
|                                          |                  |                                 | Purlin Centres in millimetres          |      |      |      |      |            |      |      |                         |                 | Number of anti sag rods    |       |       |       |
|                                          |                  |                                 | 1200                                   | 1400 | 1600 | 1800 | 2000 | 2200       | 2400 | 2600 |                         |                 | 2800                       | 0     | 1     | 2     |
| Prosigma + Single Span Rails Load Tables |                  |                                 | Minimum S450GD                         |      |      |      |      | Span = 5.5 |      |      |                         |                 |                            |       |       |       |
| Section Reference                        | Weight           | U.D.L.                          | 1200                                   | 1400 | 1600 | 1800 | 2000 | 2200       | 2400 | 2600 | 2800                    | Defl.           | Gravity                    | 0     | 1     | 2     |
| DP-SP145/65/150                          | 3.78             | 7.86                            | 1.19                                   | 1.02 | 0.89 | 0.79 | 0.71 |            |      |      |                         | 7.86            | 12.95                      | 6.92  | 9.66  | 12.85 |
| DP-SP145/65/180                          | 4.53             | 9.38                            | 1.42                                   | 1.22 | 1.07 | 0.95 | 0.85 | 0.78       | 0.71 |      |                         | 9.38            | 18.89                      | 9.75  | 13.13 | 17.49 |
| DP-SP145/65/200                          | 5.03             | 10.38                           | 1.57                                   | 1.35 | 1.18 | 1.05 | 0.94 | 0.86       | 0.79 | 0.73 |                         | 10.38           | 22.79                      | 11.63 | 15.40 | 20.44 |
| DP-SP175/65/150                          | 4.13             | 10.47                           | 1.59                                   | 1.36 | 1.19 | 1.06 | 0.95 | 0.87       | 0.79 | 0.73 | 0.68                    | 10.47           | 16.65                      | 7.91  | 11.34 | 15.45 |
| DP-SP175/65/180                          | 4.95             | 12.51                           | 1.90                                   | 1.62 | 1.42 | 1.26 | 1.14 | 1.03       | 0.95 | 0.87 | 0.81                    | 12.51           | 24.31                      | 11.10 | 15.34 | 20.92 |
| DP-SP175/65/200                          | 5.49             | 13.85                           | 2.10                                   | 1.80 | 1.57 | 1.40 | 1.26 | 1.14       | 1.05 | 0.97 | 0.90                    | 13.85           | 29.33                      | 13.22 | 17.94 | 24.38 |
| DP-SP205/65/150                          | 4.47             | 13.76                           | 2.08                                   | 1.79 | 1.56 | 1.39 | 1.25 | 1.14       | 1.04 | 0.96 | 0.89                    | 15.20           | 20.64                      | 8.62  | 12.76 | 17.82 |
| DP-SP205/65/180                          | 5.36             | 18.17                           | 2.75                                   | 2.36 | 2.07 | 1.84 | 1.65 | 1.50       | 1.38 | 1.27 | 1.18                    | 18.17           | 30.15                      | 12.05 | 17.14 | 23.97 |
| DP-SP205/65/200                          | 5.95             | 20.12                           | 3.05                                   | 2.61 | 2.29 | 2.03 | 1.83 | 1.66       | 1.52 | 1.41 | 1.31                    | 20.12           | 36.39                      | 14.32 | 20.00 | 27.87 |
| DP-SP235/65/150                          | 4.81             | 16.60                           | 2.52                                   | 2.16 | 1.89 | 1.68 | 1.51 | 1.37       | 1.26 | 1.16 | 1.08                    | 18.90           | 24.90                      | 10.24 | 15.09 | 21.13 |
| DP-SP235/65/180                          | 5.78             | 22.60                           | 3.42                                   | 2.94 | 2.57 | 2.28 | 2.05 | 1.87       | 1.71 | 1.58 | 1.47                    | 22.60           | 36.39                      | 14.33 | 20.28 | 28.39 |
| DP-SP235/65/200                          | 6.42             | 25.03                           | 3.79                                   | 3.25 | 2.84 | 2.53 | 2.28 | 2.07       | 1.90 | 1.75 | 1.63                    | 25.03           | 43.95                      | 17.03 | 23.67 | 32.99 |
| DP-SP265/65/150                          | 5.16             | 19.62                           | 2.97                                   | 2.55 | 2.23 | 1.98 | 1.78 | 1.62       | 1.49 | 1.37 | 1.27                    | 25.19           | 29.43                      | 11.06 | 16.61 | 23.67 |
| DP-SP265/65/180                          | 6.19             | 28.69                           | 4.35                                   | 3.73 | 3.26 | 2.90 | 2.61 | 2.37       | 2.17 | 2.01 | 1.86                    | 30.14           | 43.03                      | 15.44 | 22.24 | 31.65 |
| DP-SP265/65/200                          | 6.88             | 33.39                           | 5.06                                   | 4.34 | 3.79 | 3.37 | 3.04 | 2.76       | 2.53 | 2.34 | 2.17                    | 33.39           | 51.98                      | 18.33 | 25.91 | 36.70 |
| DP-SP300/65/150                          | 5.56             | 23.37                           | 3.54                                   | 3.04 | 2.66 | 2.36 | 2.12 | 1.93       | 1.77 | 1.63 | 1.52                    | 33.97           | 35.06                      | 12.28 | 18.64 | 26.92 |
| DP-SP300/65/180                          | 6.68             | 34.19                           | 5.18                                   | 4.44 | 3.88 | 3.45 | 3.11 | 2.83       | 2.59 | 2.39 | 2.22                    | 40.65           | 51.28                      | 17.11 | 24.90 | 35.85 |
| DP-SP300/65/200                          | 7.42             | 41.31                           | 6.26                                   | 5.36 | 4.69 | 4.17 | 3.76 | 3.41       | 3.13 | 2.89 | 2.68                    | 45.06           | 61.96                      | 20.30 | 28.98 | 41.50 |
| DP-SP325/65/150                          | 5.85             | 26.20                           | 3.97                                   | 3.40 | 2.98 | 2.65 | 2.38 | 2.17       | 1.98 | 1.83 | 1.70                    | 41.24           | 39.30                      | 12.84 | 19.78 | 28.94 |
| DP-SP325/65/180                          | 7.02             | 38.33                           | 5.81                                   | 4.98 | 4.36 | 3.87 | 3.48 | 3.17       | 2.90 | 2.68 | 2.49                    | 49.38           | 57.49                      | 17.85 | 26.35 | 38.40 |
| DP-SP325/65/200                          | 7.80             | 46.32                           | 7.02                                   | 6.02 | 5.26 | 4.68 | 4.21 | 3.83       | 3.51 | 3.24 | 3.01                    | 54.74           | 69.48                      | 21.16 | 30.62 | 44.39 |
| Prosigma + Single Span Rails Load Tables |                  |                                 | Minimum S450GD                         |      |      |      |      | Span = 6.0 |      |      |                         |                 |                            |       |       |       |
| Section Reference                        | Weight           | U.D.L.                          | 1200                                   | 1400 | 1600 | 1800 | 2000 | 2200       | 2400 | 2600 | 2800                    | Defl.           | Gravity                    | 0     | 1     | 2     |
| DP-SP145/65/150                          | 3.78             | 6.61                            | 0.92                                   | 0.79 | 0.69 |      |      |            |      |      |                         | 6.61            | 11.87                      | 6.13  | 8.33  | 11.13 |
| DP-SP145/65/180                          | 4.53             | 7.88                            | 1.10                                   | 0.94 | 0.82 | 0.73 |      |            |      |      |                         | 7.88            | 17.32                      | 8.68  | 11.38 | 15.08 |
| DP-SP145/65/200                          | 5.03             | 8.72                            | 1.21                                   | 1.04 | 0.91 | 0.81 | 0.73 |            |      |      |                         | 8.72            | 20.89                      | 10.38 | 13.38 | 17.61 |
| DP-SP175/65/150                          | 4.13             | 8.80                            | 1.22                                   | 1.05 | 0.92 | 0.81 | 0.73 |            |      |      |                         | 8.80            | 15.27                      | 6.99  | 9.74  | 13.31 |
| DP-SP175/65/180                          | 4.95             | 10.51                           | 1.46                                   | 1.25 | 1.10 | 0.97 | 0.88 | 0.80       | 0.73 |      |                         | 10.51           | 22.28                      | 9.87  | 13.23 | 17.94 |
| DP-SP175/65/200                          | 5.49             | 11.64                           | 1.62                                   | 1.39 | 1.21 | 1.08 | 0.97 | 0.88       | 0.81 | 0.75 | 0.69                    | 11.64           | 26.89                      | 11.77 | 15.52 | 20.89 |
| DP-SP205/65/150                          | 4.47             | 12.61                           | 1.75                                   | 1.50 | 1.31 | 1.17 | 1.05 | 0.96       | 0.88 | 0.81 | 0.75                    | 12.78           | 18.92                      | 7.59  | 10.90 | 15.27 |
| DP-SP205/65/180                          | 5.36             | 15.27                           | 2.12                                   | 1.82 | 1.59 | 1.41 | 1.27 | 1.16       | 1.06 | 0.98 | 0.91                    | 15.27           | 27.64                      | 10.67 | 14.72 | 20.45 |
| DP-SP205/65/200                          | 5.95             | 16.91                           | 2.35                                   | 2.01 | 1.76 | 1.57 | 1.41 | 1.28       | 1.17 | 1.08 | 1.01                    | 16.91           | 33.36                      | 12.71 | 17.21 | 23.75 |
| DP-SP235/65/150                          | 4.81             | 15.22                           | 2.11                                   | 1.81 | 1.59 | 1.41 | 1.27 | 1.15       | 1.06 | 0.98 | 0.91                    | 15.88           | 22.83                      | 9.03  | 12.89 | 18.08 |
| DP-SP235/65/180                          | 5.78             | 18.99                           | 2.64                                   | 2.26 | 1.98 | 1.76 | 1.58 | 1.44       | 1.32 | 1.22 | 1.13                    | 18.99           | 33.36                      | 12.70 | 17.42 | 24.20 |
| DP-SP235/65/200                          | 6.42             | 21.04                           | 2.92                                   | 2.50 | 2.19 | 1.95 | 1.75 | 1.59       | 1.46 | 1.35 | 1.25                    | 21.04           | 40.28                      | 15.14 | 20.38 | 28.09 |
| DP-SP265/65/150                          | 5.16             | 17.99                           | 2.50                                   | 2.14 | 1.87 | 1.67 | 1.50 | 1.36       | 1.25 | 1.15 | 1.07                    | 21.17           | 26.98                      | 9.73  | 14.15 | 20.17 |
| DP-SP265/65/180                          | 6.19             | 25.32                           | 3.52                                   | 3.01 | 2.64 | 2.34 | 2.11 | 1.92       | 1.76 | 1.62 | 1.51                    | 25.32           | 39.45                      | 13.66 | 19.05 | 26.87 |
| DP-SP265/65/200                          | 6.88             | 28.06                           | 3.90                                   | 3.34 | 2.92 | 2.60 | 2.34 | 2.13       | 1.95 | 1.80 | 1.67                    | 28.06           | 47.65                      | 16.26 | 22.25 | 31.14 |
| DP-SP300/65/150                          | 5.56             | 21.43                           | 2.98                                   | 2.55 | 2.23 | 1.98 | 1.79 | 1.62       | 1.49 | 1.37 | 1.28                    | 28.54           | 32.14                      | 10.79 | 15.85 | 22.86 |
| DP-SP300/65/180                          | 6.68             | 31.34                           | 4.35                                   | 3.73 | 3.26 | 2.90 | 2.61 | 2.37       | 2.18 | 2.01 | 1.87                    | 34.16           | 47.00                      | 15.13 | 21.28 | 30.34 |
| DP-SP300/65/200                          | 7.42             | 37.86                           | 5.26                                   | 4.51 | 3.94 | 3.51 | 3.16 | 2.87       | 2.63 | 2.43 | 2.25                    | 37.86           | 56.80                      | 17.99 | 24.84 | 35.12 |
| DP-SP325/65/150                          | 5.85             | 24.02                           | 3.34                                   | 2.86 | 2.50 | 2.22 | 2.00 | 1.82       | 1.67 | 1.54 | 1.43                    | 34.66           | 36.02                      | 11.26 | 16.77 | 24.50 |
| DP-SP325/65/180                          | 7.02             | 35.13                           | 4.88                                   | 4.18 | 3.66 | 3.25 | 2.93 | 2.66       | 2.44 | 2.25 | 2.09                    | 41.49           | 52.70                      | 15.76 | 22.46 | 32.41 |
| DP-SP325/65/200                          | 7.80             | 42.46                           | 5.90                                   | 5.05 | 4.42 | 3.93 | 3.54 | 3.22       | 2.95 | 2.72 | 2.53                    | 46.00           | 63.69                      | 18.73 | 26.18 | 37.45 |
| Prosigma + Single Span Rails Load Tables |                  |                                 | Minimum S450GD                         |      |      |      |      | Span = 6.5 |      |      |                         |                 |                            |       |       |       |
| Section Reference                        | Weight           | U.D.L.                          | 1200                                   | 1400 | 1600 | 1800 | 2000 | 2200       | 2400 | 2600 | 2800                    | Defl.           | Gravity                    | 0     | 1     | 2     |
| DP-SP145/65/150                          | 3.78             | 5.63                            | 0.72                                   |      |      |      |      |            |      |      |                         | 5.63            | 10.96                      | 5.51  | 7.29  | 9.71  |
| DP-SP145/65/180                          | 4.53             | 6.72                            | 0.86                                   | 0.74 |      |      |      |            |      |      |                         | 6.72            | 15.99                      | 7.83  | 10.01 | 13.14 |
| DP-SP145/65/200                          | 5.03             | 7.43                            | 0.95                                   | 0.82 | 0.71 |      |      |            |      |      |                         | 7.43            | 19.28                      | 9.38  | 11.80 | 15.34 |
| DP-SP175/65/150                          | 4.13             | 7.50                            | 0.96                                   | 0.82 | 0.72 |      |      |            |      |      |                         | 7.50            | 14.09                      | 6.26  | 8.49  | 11.56 |
| DP-SP175/65/180                          | 4.95             | 8.96                            | 1.15                                   | 0.98 | 0.86 | 0.77 | 0.69 |            |      |      |                         | 8.96            | 20.57                      | 8.88  | 11.59 | 15.56 |
| DP-SP175/65/200                          | 5.49             | 9.91                            | 1.27                                   | 1.09 | 0.95 | 0.85 | 0.76 | 0.69       |      |      |                         | 9.91            | 24.82                      | 10.62 | 13.63 | 18.12 |
| DP-SP205/65/150                          | 4.47             | 10.89                           | 1.40                                   | 1.20 | 1.05 | 0.93 | 0.84 | 0.76       | 0.70 |      |                         | 10.89           | 17.47                      | 6.78  | 9.46  | 13.20 |
| DP-SP205/65/180                          | 5.36             | 13.01                           | 1.67                                   | 1.43 | 1.25 | 1.11 | 1.00 | 0.91       | 0.83 | 0.77 | 0.71                    | 13.01           | 25.51                      | 9.58  | 12.84 | 17.64 |
| DP-SP205/65/200                          | 5.95             | 14.41                           | 1.85                                   | 1.58 | 1.39 | 1.23 | 1.11 | 1.01       | 0.92 | 0.85 | 0.79                    | 14.41           | 30.80                      | 11.44 | 15.05 | 20.49 |
| DP-SP235/65/150                          | 4.81             | 13.53                           | 1.73                                   | 1.49 | 1.30 | 1.16 | 1.04 | 0.95       | 0.87 | 0.80 | 0.74                    | 13.53           | 21.07                      | 8.08  | 11.20 | 15.62 |
| DP-SP235/65/180                          | 5.78             | 16.18                           | 2.07                                   | 1.78 | 1.56 | 1.38 | 1.24 | 1.13       | 1.04 | 0.96 | 0.89                    | 16.18           | 30.79                      | 11.41 | 15.21 | 20.87 |
| DP-SP235/65/200                          | 6.42             | 17.92                           | 2.30                                   | 1.97 | 1.72 | 1.53 | 1.38 | 1.25       | 1.15 | 1.06 | 0.98                    | 17.92           | 37.19                      | 13.62 | 17.84 | 24.23 |
| DP-SP265/65/150                          | 5.16             | 16.60                           | 2.13                                   | 1.82 | 1.60 | 1.42 | 1.28 | 1.16       | 1.06 | 0.98 | 0.91                    | 18.04           | 24.91                      | 8.69  | 12.25 | 17.36 |
| DP-SP265/65/180                          | 6.19             | 21.58                           | 2.77                                   | 2.37 | 2.07 | 1.84 | 1.66 | 1.51       | 1.38 | 1.28 | 1.19                    | 21.58           | 36.41                      | 12.25 | 16.58 | 23.09 |
| DP-SP265/65/200                          | 6.88             | 23.91                           | 3.07                                   | 2.63 | 2.30 | 2.04 | 1.84 | 1.67       | 1.53 | 1.41 | 1.31                    | 23.91           |                            |       |       |       |

ProSigma+ (Galv.) - Single Span Rails - Load Tables

| Section reference | Weight<br>(Kg/m) | Total<br>Working<br>U.D.L. (KN) | Working Loads                          |      |      |      |      |      |      |      |      | Ultimate U.D.L. in kN/Span |                 |                         |   |   |
|-------------------|------------------|---------------------------------|----------------------------------------|------|------|------|------|------|------|------|------|----------------------------|-----------------|-------------------------|---|---|
|                   |                  |                                 | Allowable loading in kN/m <sup>2</sup> |      |      |      |      |      |      |      |      | Deflection<br>Span /150    | Gravity<br>Load | Uplift - metal cladding |   |   |
|                   |                  |                                 | Purlin Centres in millimetres          |      |      |      |      |      |      |      |      |                            |                 | Number of anti sag rods |   |   |
|                   |                  |                                 | 1200                                   | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 |                            |                 | 0                       | 1 | 2 |

| Prosigma + Single Span Rails Load Tables |        |        | Minimum S450GD |      |      |      |      |      |      |      |      | Span = | 7.0     |       |       |       |
|------------------------------------------|--------|--------|----------------|------|------|------|------|------|------|------|------|--------|---------|-------|-------|-------|
| Section Reference                        | Weight | U.D.L. | 1200           | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | Defl.  | Gravity | 0     | 1     | 2     |
| DP-SP145/65/150                          | 3.78   | 4.85   |                |      |      |      |      |      |      |      |      | 4.85   | 10.18   | 5.00  | 6.47  | 8.55  |
| DP-SP145/65/180                          | 4.53   | 5.79   | 0.69           |      |      |      |      |      |      |      |      | 5.79   | 14.84   | 7.14  | 8.92  | 11.56 |
| DP-SP145/65/200                          | 5.03   | 6.41   | 0.76           |      |      |      |      |      |      |      |      | 6.41   | 17.90   | 8.56  | 10.53 | 13.51 |
| DP-SP175/65/150                          | 4.13   | 6.47   | 0.77           |      |      |      |      |      |      |      |      | 6.47   | 13.09   | 5.68  | 7.51  | 10.13 |
| DP-SP175/65/180                          | 4.95   | 7.72   | 0.92           | 0.79 | 0.69 |      |      |      |      |      |      | 7.72   | 19.10   | 8.08  | 10.29 | 13.63 |
| DP-SP175/65/200                          | 5.49   | 8.55   | 1.02           | 0.87 | 0.76 |      |      |      |      |      |      | 8.55   | 23.05   | 9.67  | 12.13 | 15.89 |
| DP-SP205/65/150                          | 4.47   | 9.39   | 1.12           | 0.96 | 0.84 | 0.74 |      |      |      |      |      | 9.39   | 16.22   | 6.13  | 8.32  | 11.51 |
| DP-SP205/65/180                          | 5.36   | 11.22  | 1.34           | 1.14 | 1.00 | 0.89 | 0.80 | 0.73 |      |      |      | 11.22  | 23.69   | 8.69  | 11.35 | 15.39 |
| DP-SP205/65/200                          | 5.95   | 12.42  | 1.48           | 1.27 | 1.11 | 0.99 | 0.89 | 0.81 | 0.74 | 0.68 |      | 12.42  | 28.60   | 10.40 | 13.34 | 17.89 |
| DP-SP235/65/150                          | 4.81   | 11.67  | 1.39           | 1.19 | 1.04 | 0.93 | 0.83 | 0.76 | 0.69 |      |      | 11.67  | 19.57   | 7.30  | 9.86  | 13.61 |
| DP-SP235/65/180                          | 5.78   | 13.95  | 1.66           | 1.42 | 1.25 | 1.11 | 1.00 | 0.91 | 0.83 | 0.77 | 0.71 | 13.95  | 28.59   | 10.36 | 13.46 | 18.20 |
| DP-SP235/65/200                          | 6.42   | 15.45  | 1.84           | 1.58 | 1.38 | 1.23 | 1.10 | 1.00 | 0.92 | 0.85 | 0.79 | 15.45  | 34.53   | 12.39 | 15.82 | 21.16 |
| DP-SP265/65/150                          | 5.16   | 15.42  | 1.84           | 1.57 | 1.38 | 1.22 | 1.10 | 1.00 | 0.92 | 0.85 | 0.79 | 15.55  | 23.13   | 7.85  | 10.76 | 15.09 |
| DP-SP265/65/180                          | 6.19   | 18.60  | 2.21           | 1.90 | 1.66 | 1.48 | 1.33 | 1.21 | 1.11 | 1.02 | 0.95 | 18.60  | 33.81   | 11.11 | 14.64 | 20.08 |
| DP-SP265/65/200                          | 6.88   | 20.61  | 2.45           | 2.10 | 1.84 | 1.64 | 1.47 | 1.34 | 1.23 | 1.13 | 1.05 | 20.61  | 40.84   | 13.28 | 17.18 | 23.31 |
| DP-SP300/65/150                          | 5.56   | 18.36  | 2.19           | 1.87 | 1.64 | 1.46 | 1.31 | 1.19 | 1.09 | 1.01 | 0.94 | 20.97  | 27.55   | 8.68  | 12.01 | 17.01 |
| DP-SP300/65/180                          | 6.68   | 25.10  | 2.99           | 2.56 | 2.24 | 1.99 | 1.79 | 1.63 | 1.49 | 1.38 | 1.28 | 25.10  | 40.29   | 12.29 | 16.31 | 22.58 |
| DP-SP300/65/200                          | 7.42   | 27.82  | 3.31           | 2.84 | 2.48 | 2.21 | 1.99 | 1.81 | 1.66 | 1.53 | 1.42 | 27.82  | 48.68   | 14.67 | 19.13 | 26.17 |
| DP-SP325/65/150                          | 5.85   | 20.58  | 2.45           | 2.10 | 1.84 | 1.63 | 1.47 | 1.34 | 1.23 | 1.13 | 1.05 | 25.46  | 30.88   | 9.04  | 12.66 | 18.14 |
| DP-SP325/65/180                          | 7.02   | 30.12  | 3.59           | 3.07 | 2.69 | 2.39 | 2.15 | 1.96 | 1.79 | 1.65 | 1.54 | 30.48  | 45.17   | 12.77 | 17.14 | 24.00 |
| DP-SP325/65/200                          | 7.80   | 33.79  | 4.02           | 3.45 | 3.02 | 2.68 | 2.41 | 2.19 | 2.01 | 1.86 | 1.72 | 33.79  | 54.59   | 15.24 | 20.09 | 27.78 |

| Prosigma + Single Span Rails Load Tables |        |        | Minimum S450GD |      |      |      |      |      |      |      |      | Span = | 7.5     |       |       |       |
|------------------------------------------|--------|--------|----------------|------|------|------|------|------|------|------|------|--------|---------|-------|-------|-------|
| Section Reference                        | Weight | U.D.L. | 1200           | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | Defl.  | Gravity | 0     | 1     | 2     |
| DP-SP145/65/150                          | 3.78   | 4.23   |                |      |      |      |      |      |      |      |      | 4.23   | 9.50    | 4.58  | 5.80  | 7.59  |
| DP-SP145/65/180                          | 4.53   | 5.05   |                |      |      |      |      |      |      |      |      | 5.05   | 13.85   | 6.56  | 8.03  | 10.28 |
| DP-SP145/65/200                          | 5.03   | 5.58   |                |      |      |      |      |      |      |      |      | 5.58   | 16.71   | 7.87  | 9.51  | 12.02 |
| DP-SP175/65/150                          | 4.13   | 5.63   |                |      |      |      |      |      |      |      |      | 5.63   | 12.21   | 5.19  | 6.71  | 8.96  |
| DP-SP175/65/180                          | 4.95   | 6.73   | 0.75           |      |      |      |      |      |      |      |      | 6.73   | 17.83   | 7.41  | 9.24  | 12.07 |
| DP-SP175/65/200                          | 5.49   | 7.45   | 0.83           | 0.71 |      |      |      |      |      |      |      | 7.45   | 21.51   | 8.88  | 10.92 | 14.09 |
| DP-SP205/65/150                          | 4.47   | 8.18   | 0.91           | 0.78 | 0.68 |      |      |      |      |      |      | 8.18   | 15.14   | 5.59  | 7.41  | 10.13 |
| DP-SP205/65/180                          | 5.36   | 9.77   | 1.09           | 0.93 | 0.81 | 0.72 |      |      |      |      |      | 9.77   | 22.11   | 7.96  | 10.15 | 13.57 |
| DP-SP205/65/200                          | 5.95   | 10.82  | 1.20           | 1.03 | 0.90 | 0.80 | 0.72 |      |      |      |      | 10.82  | 26.69   | 9.53  | 11.97 | 15.79 |
| DP-SP235/65/150                          | 4.81   | 10.16  | 1.13           | 0.97 | 0.85 | 0.75 |      |      |      |      |      | 10.16  | 18.26   | 6.67  | 8.78  | 11.98 |
| DP-SP235/65/180                          | 5.78   | 12.15  | 1.35           | 1.16 | 1.01 | 0.90 | 0.81 | 0.74 |      |      |      | 12.15  | 26.69   | 9.49  | 12.05 | 16.04 |
| DP-SP235/65/200                          | 6.42   | 13.46  | 1.50           | 1.28 | 1.12 | 1.00 | 0.90 | 0.82 | 0.75 | 0.69 |      | 13.46  | 32.23   | 11.37 | 14.20 | 18.68 |
| DP-SP265/65/150                          | 5.16   | 13.55  | 1.51           | 1.29 | 1.13 | 1.00 | 0.90 | 0.82 | 0.75 | 0.69 |      | 13.55  | 21.59   | 7.15  | 9.56  | 13.24 |
| DP-SP265/65/180                          | 6.19   | 16.21  | 1.80           | 1.54 | 1.35 | 1.20 | 1.08 | 0.98 | 0.90 | 0.83 | 0.77 | 16.21  | 31.56   | 10.17 | 13.07 | 17.66 |
| DP-SP265/65/200                          | 6.88   | 17.96  | 2.00           | 1.71 | 1.50 | 1.33 | 1.20 | 1.09 | 1.00 | 0.92 | 0.86 | 17.96  | 38.12   | 12.17 | 15.39 | 20.52 |
| DP-SP300/65/150                          | 5.56   | 17.14  | 1.90           | 1.63 | 1.43 | 1.27 | 1.14 | 1.04 | 0.95 | 0.88 | 0.82 | 18.27  | 25.71   | 7.91  | 10.66 | 14.90 |
| DP-SP300/65/180                          | 6.68   | 21.86  | 2.43           | 2.08 | 1.82 | 1.62 | 1.46 | 1.33 | 1.21 | 1.12 | 1.04 | 21.86  | 37.60   | 11.24 | 14.55 | 19.81 |
| DP-SP300/65/200                          | 7.42   | 24.23  | 2.69           | 2.31 | 2.02 | 1.79 | 1.62 | 1.47 | 1.35 | 1.24 | 1.15 | 24.23  | 45.44   | 13.44 | 17.11 | 23.00 |
| DP-SP325/65/150                          | 5.85   | 19.21  | 2.13           | 1.83 | 1.60 | 1.42 | 1.28 | 1.16 | 1.07 | 0.99 | 0.91 | 22.18  | 28.82   | 8.23  | 11.22 | 15.85 |
| DP-SP325/65/180                          | 7.02   | 26.56  | 2.95           | 2.53 | 2.21 | 1.97 | 1.77 | 1.61 | 1.48 | 1.36 | 1.26 | 26.56  | 42.16   | 11.67 | 15.27 | 21.02 |
| DP-SP325/65/200                          | 7.80   | 29.44  | 3.27           | 2.80 | 2.45 | 2.18 | 1.96 | 1.78 | 1.64 | 1.51 | 1.40 | 29.44  | 50.95   | 13.94 | 17.94 | 24.37 |

| Prosigma + Single Span Rails Load Tables |        |        | Minimum S450GD |      |      |      |      |      |      |      |      | Span = | 8.0     |       |       |       |
|------------------------------------------|--------|--------|----------------|------|------|------|------|------|------|------|------|--------|---------|-------|-------|-------|
| Section Reference                        | Weight | U.D.L. | 1200           | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | Defl.  | Gravity | 0     | 1     | 2     |
| DP-SP145/65/150                          | 3.78   | 3.72   |                |      |      |      |      |      |      |      |      | 3.72   | 8.91    | 4.23  | 5.25  | 6.79  |
| DP-SP145/65/180                          | 4.53   | 4.44   |                |      |      |      |      |      |      |      |      | 4.44   | 12.99   | 6.06  | 7.30  | 9.21  |
| DP-SP145/65/200                          | 5.03   | 4.91   |                |      |      |      |      |      |      |      |      | 4.91   | 15.67   | 7.29  | 8.66  | 10.80 |
| DP-SP175/65/150                          | 4.13   | 4.95   |                |      |      |      |      |      |      |      |      | 4.95   | 11.45   | 4.78  | 6.05  | 7.99  |
| DP-SP175/65/180                          | 4.95   | 5.91   |                |      |      |      |      |      |      |      |      | 5.91   | 16.71   | 6.84  | 8.38  | 10.78 |
| DP-SP175/65/200                          | 5.49   | 6.54   | 0.68           |      |      |      |      |      |      |      |      | 6.54   | 20.17   | 8.22  | 9.92  | 12.61 |
| DP-SP205/65/150                          | 4.47   | 7.19   | 0.75           |      |      |      |      |      |      |      |      | 7.19   | 14.19   | 5.14  | 6.66  | 9.00  |
| DP-SP205/65/180                          | 5.36   | 8.59   | 0.89           | 0.77 |      |      |      |      |      |      |      | 8.59   | 20.73   | 7.34  | 9.18  | 12.07 |
| DP-SP205/65/200                          | 5.95   | 9.51   | 0.99           | 0.85 | 0.74 |      |      |      |      |      |      | 9.51   | 25.02   | 8.80  | 10.84 | 14.08 |
| DP-SP235/65/150                          | 4.81   | 8.93   | 0.93           | 0.80 | 0.70 |      |      |      |      |      |      | 8.93   | 17.12   | 6.14  | 7.90  | 10.64 |
| DP-SP235/65/180                          | 5.78   | 10.68  | 1.11           | 0.95 | 0.83 | 0.74 |      |      |      |      |      | 10.68  | 25.02   | 8.76  | 10.89 | 14.28 |
| DP-SP235/65/200                          | 6.42   | 11.83  | 1.23           | 1.06 | 0.92 | 0.82 | 0.74 |      |      |      |      | 11.83  | 30.21   | 10.51 | 12.86 | 16.65 |
| DP-SP265/65/150                          | 5.16   | 11.91  | 1.24           | 1.06 | 0.93 | 0.83 | 0.74 |      |      |      |      | 11.91  | 20.24   | 6.58  | 8.59  | 11.73 |
| DP-SP265/65/180                          | 6.19   | 14.24  | 1.48           | 1.27 | 1.11 | 0.99 | 0.89 | 0.81 | 0.74 | 0.68 |      | 14.24  | 29.58   | 9.38  | 11.80 | 15.68 |
| DP-SP265/65/200                          | 6.88   | 15.78  | 1.64           | 1.41 | 1.23 | 1.10 | 0.99 | 0.90 | 0.82 | 0.76 | 0.70 | 15.78  | 35.74   | 11.23 | 13.92 | 18.25 |
| DP-SP300/65/150                          | 5.56   | 16.05  | 1.67           | 1.43 | 1.25 | 1.11 | 1.00 | 0.91 | 0.84 | 0.77 | 0.72 | 16.05  | 24.10   | 7.27  | 9.56  | 13.17 |
| DP-SP300/65/180                          | 6.68   | 19.22  | 2.00           | 1.72 | 1.50 | 1.33 | 1.20 | 1.09 | 1.00 | 0.92 | 0.86 | 19.22  | 35.25   | 10.36 | 13.12 | 17.57 |
| DP-SP300/65/200                          | 7.42   | 21.30  | 2.22           | 1.90 | 1.66 | 1.48 | 1.33 | 1.21 | 1.11 | 1.02 | 0.95 | 21.30  | 42.60   | 12.40 | 15.46 | 20.43 |
| DP-SP325/65/150                          | 5.85   | 18.01  | 1.88           | 1.61 | 1.41 | 1.25 | 1.13 | 1.02 | 0.94 | 0.87 | 0.80 | 19.49  | 27.02   | 7.55  | 10.05 | 13.99 |
| DP-SP325/65/180                          | 7.02   | 23.34  | 2.43           | 2.08 | 1.82 | 1.62 | 1.46 | 1.33 | 1.22 | 1.12 | 1.04 | 23.34  | 39.53   | 10.74 | 13.75 | 18.60 |
| DP-SP325/65/200                          | 7.80   | 25.87  | 2.70           | 2.31 | 2.02 | 1.80 | 1.62 | 1.47 | 1.35 | 1.24 | 1.16 | 25.87  | 47.77   | 12.86 | 16.18 | 21.60 |

ProSigma+ (Galv.) - Single Span Rails - Load Tables

| Section reference | Weight<br>(Kg/m) | Total<br>Working<br>U.D.L. (KN) | Working Loads                          |      |      |      |      |      |      |      |                         | Ultimate U.D.L. in kN/Span |                         |   |   |
|-------------------|------------------|---------------------------------|----------------------------------------|------|------|------|------|------|------|------|-------------------------|----------------------------|-------------------------|---|---|
|                   |                  |                                 | Allowable loading in kN/m <sup>2</sup> |      |      |      |      |      |      |      | Deflection<br>Span /150 | Gravity<br>Load            | Uplift - metal cladding |   |   |
|                   |                  |                                 | Purlin Centres in millimetres          |      |      |      |      |      |      |      |                         |                            | Number of anti sag rods |   |   |
|                   |                  |                                 | 1200                                   | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 |                         |                            | 2800                    | 0 | 1 |

| Prosigma + Single Span Rails Load Tables |        |        | Minimum S450GD |      |      |      |      |      |      |      |      | Span = 8.5 |         |       |       |       |
|------------------------------------------|--------|--------|----------------|------|------|------|------|------|------|------|------|------------|---------|-------|-------|-------|
| Section Reference                        | Weight | U.D.L. | 1200           | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | Defl.      | Gravity | 0     | 1     | 2     |
| DP-SP145/65/150                          | 3.78   | 3.29   |                |      |      |      |      |      |      |      |      | 3.29       | 8.38    | 3.93  | 4.79  | 6.12  |
| DP-SP145/65/180                          | 4.53   | 3.93   |                |      |      |      |      |      |      |      |      | 3.93       | 12.22   | 5.64  | 6.69  | 8.33  |
| DP-SP145/65/200                          | 5.03   | 4.35   |                |      |      |      |      |      |      |      |      | 4.35       | 14.74   | 6.79  | 7.95  | 9.78  |
| DP-SP175/65/150                          | 4.13   | 4.38   |                |      |      |      |      |      |      |      |      | 4.38       | 10.78   | 4.44  | 5.51  | 7.18  |
| DP-SP175/65/180                          | 4.95   | 5.24   |                |      |      |      |      |      |      |      |      | 5.24       | 15.73   | 6.36  | 7.66  | 9.72  |
| DP-SP175/65/200                          | 5.49   | 5.80   |                |      |      |      |      |      |      |      |      | 5.80       | 18.98   | 7.64  | 9.08  | 11.38 |
| DP-SP205/65/150                          | 4.47   | 6.37   |                |      |      |      |      |      |      |      |      | 6.37       | 13.36   | 4.76  | 6.05  | 8.06  |
| DP-SP205/65/180                          | 5.36   | 7.61   | 0.75           |      |      |      |      |      |      |      |      | 7.61       | 19.51   | 6.82  | 8.36  | 10.84 |
| DP-SP205/65/200                          | 5.95   | 8.43   | 0.83           | 0.71 |      |      |      |      |      |      |      | 8.43       | 23.55   | 8.18  | 9.90  | 12.66 |
| DP-SP235/65/150                          | 4.81   | 7.91   | 0.78           |      |      |      |      |      |      |      |      | 7.91       | 16.11   | 5.68  | 7.18  | 9.53  |
| DP-SP235/65/180                          | 5.78   | 9.46   | 0.93           | 0.80 | 0.70 |      |      |      |      |      |      | 9.46       | 23.55   | 8.14  | 9.93  | 12.83 |
| DP-SP235/65/200                          | 6.42   | 10.48  | 1.03           | 0.88 | 0.77 | 0.69 |      |      |      |      |      | 10.48      | 28.44   | 9.77  | 11.76 | 14.98 |
| DP-SP265/65/150                          | 5.16   | 10.55  | 1.03           | 0.89 | 0.78 | 0.69 |      |      |      |      |      | 10.55      | 19.05   | 6.09  | 7.78  | 10.48 |
| DP-SP265/65/180                          | 6.19   | 12.62  | 1.24           | 1.06 | 0.93 | 0.82 | 0.74 |      |      |      |      | 12.62      | 27.84   | 8.70  | 10.74 | 14.05 |
| DP-SP265/65/200                          | 6.88   | 13.98  | 1.37           | 1.17 | 1.03 | 0.91 | 0.82 | 0.75 | 0.69 |      |      | 13.98      | 33.64   | 10.44 | 12.70 | 16.39 |
| DP-SP300/65/150                          | 5.56   | 14.22  | 1.39           | 1.20 | 1.05 | 0.93 | 0.84 | 0.76 | 0.70 |      |      | 14.22      | 22.69   | 6.72  | 8.66  | 11.75 |
| DP-SP300/65/180                          | 6.68   | 17.02  | 1.67           | 1.43 | 1.25 | 1.11 | 1.00 | 0.91 | 0.83 | 0.77 | 0.72 | 17.02      | 33.18   | 9.61  | 11.93 | 15.72 |
| DP-SP300/65/200                          | 7.42   | 18.87  | 1.85           | 1.59 | 1.39 | 1.23 | 1.11 | 1.01 | 0.92 | 0.85 | 0.79 | 18.87      | 40.09   | 11.52 | 14.09 | 18.32 |
| DP-SP325/65/150                          | 5.85   | 16.95  | 1.66           | 1.42 | 1.25 | 1.11 | 1.00 | 0.91 | 0.83 | 0.77 | 0.71 | 17.27      | 25.43   | 6.98  | 9.08  | 12.46 |
| DP-SP325/65/180                          | 7.02   | 20.67  | 2.03           | 1.74 | 1.52 | 1.35 | 1.22 | 1.11 | 1.01 | 0.94 | 0.87 | 20.67      | 37.20   | 9.96  | 12.49 | 16.62 |
| DP-SP325/65/200                          | 7.80   | 22.92  | 2.25           | 1.93 | 1.69 | 1.50 | 1.35 | 1.23 | 1.12 | 1.04 | 0.96 | 22.92      | 44.96   | 11.93 | 14.73 | 19.34 |

| Prosigma + Single Span Rails Load Tables |        |        | Minimum S450GD |      |      |      |      |      |      |      |      | Span = 9.0 |         |       |       |       |
|------------------------------------------|--------|--------|----------------|------|------|------|------|------|------|------|------|------------|---------|-------|-------|-------|
| Section Reference                        | Weight | U.D.L. | 1200           | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | Defl.      | Gravity | 0     | 1     | 2     |
| DP-SP145/65/150                          | 3.78   | 2.94   |                |      |      |      |      |      |      |      |      | 2.94       | 7.92    | 3.66  | 4.40  | 5.55  |
| DP-SP145/65/180                          | 4.53   | 3.50   |                |      |      |      |      |      |      |      |      | 3.50       | 11.55   | 5.28  | 6.17  | 7.58  |
| DP-SP145/65/200                          | 5.03   | 3.88   |                |      |      |      |      |      |      |      |      | 3.88       | 13.92   | 6.35  | 7.34  | 8.92  |
| DP-SP175/65/150                          | 4.13   | 3.91   |                |      |      |      |      |      |      |      |      | 3.91       | 10.18   | 4.14  | 5.05  | 6.50  |
| DP-SP175/65/180                          | 4.95   | 4.67   |                |      |      |      |      |      |      |      |      | 4.67       | 14.86   | 5.95  | 7.05  | 8.82  |
| DP-SP175/65/200                          | 5.49   | 5.17   |                |      |      |      |      |      |      |      |      | 5.17       | 17.93   | 7.15  | 8.37  | 10.35 |
| DP-SP205/65/150                          | 4.47   | 5.68   |                |      |      |      |      |      |      |      |      | 5.68       | 12.61   | 4.44  | 5.53  | 7.27  |
| DP-SP205/65/180                          | 5.36   | 6.79   |                |      |      |      |      |      |      |      |      | 6.79       | 18.42   | 6.36  | 7.68  | 9.81  |
| DP-SP205/65/200                          | 5.95   | 7.52   | 0.70           |      |      |      |      |      |      |      |      | 7.52       | 22.24   | 7.64  | 9.10  | 11.48 |
| DP-SP235/65/150                          | 4.81   | 7.06   |                |      |      |      |      |      |      |      |      | 7.06       | 15.22   | 5.30  | 6.57  | 8.60  |
| DP-SP235/65/180                          | 5.78   | 8.44   | 0.78           |      |      |      |      |      |      |      |      | 8.44       | 22.24   | 7.60  | 9.13  | 11.61 |
| DP-SP235/65/200                          | 6.42   | 9.35   | 0.87           | 0.74 |      |      |      |      |      |      |      | 9.35       | 26.86   | 9.13  | 10.82 | 13.59 |
| DP-SP265/65/150                          | 5.16   | 9.41   | 0.87           | 0.75 |      |      |      |      |      |      |      | 9.41       | 17.99   | 5.67  | 7.11  | 9.43  |
| DP-SP265/65/180                          | 6.19   | 11.25  | 1.04           | 0.89 | 0.78 | 0.69 |      |      |      |      |      | 11.25      | 26.30   | 8.12  | 9.86  | 12.70 |
| DP-SP265/65/200                          | 6.88   | 12.47  | 1.15           | 0.99 | 0.87 | 0.77 | 0.69 |      |      |      |      | 12.47      | 31.77   | 9.75  | 11.67 | 14.83 |
| DP-SP300/65/150                          | 5.56   | 12.68  | 1.17           | 1.01 | 0.88 | 0.78 | 0.70 |      |      |      |      | 12.68      | 21.43   | 6.26  | 7.90  | 10.56 |
| DP-SP300/65/180                          | 6.68   | 15.18  | 1.41           | 1.20 | 1.05 | 0.94 | 0.84 | 0.77 | 0.70 |      |      | 15.18      | 31.34   | 8.96  | 10.94 | 14.19 |
| DP-SP300/65/200                          | 7.42   | 16.83  | 1.56           | 1.34 | 1.17 | 1.04 | 0.93 | 0.85 | 0.78 | 0.72 |      | 16.83      | 37.86   | 10.75 | 12.94 | 16.56 |
| DP-SP325/65/150                          | 5.85   | 15.40  | 1.43           | 1.22 | 1.07 | 0.95 | 0.86 | 0.78 | 0.71 |      |      | 15.40      | 24.02   | 6.49  | 8.28  | 11.18 |
| DP-SP325/65/180                          | 7.02   | 18.44  | 1.71           | 1.46 | 1.28 | 1.14 | 1.02 | 0.93 | 0.85 | 0.79 | 0.73 | 18.44      | 35.13   | 9.28  | 11.43 | 14.98 |
| DP-SP325/65/200                          | 7.80   | 20.44  | 1.89           | 1.62 | 1.42 | 1.26 | 1.14 | 1.03 | 0.95 | 0.87 | 0.81 | 20.44      | 42.46   | 11.14 | 13.51 | 17.45 |