

ProSigma+ (Galv.) - Double 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> |      |      |      |      |      |      |      |      | Load to<br>Achieve<br>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 + Double 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             | 12.38                           | 2.58                                   | 2.21 | 1.93 | 1.72 | 1.55 | 1.41 | 1.29 | 1.19 | 1.11 | 20.90                                         | 18.57                      | 18.57                   | 18.57 | 18.57 |  |
| DP-SP145/65/180                                         | 4.53             | 17.76                           | 3.70                                   | 3.17 | 2.77 | 2.47 | 2.22 | 2.02 | 1.85 | 1.71 | 1.59 | 24.95                                         | 26.64                      | 26.64                   | 26.64 | 26.64 |  |
| DP-SP145/65/200                                         | 5.03             | 21.28                           | 4.43                                   | 3.80 | 3.33 | 2.96 | 2.66 | 2.42 | 2.22 | 2.05 | 1.90 | 27.60                                         | 31.93                      | 31.93                   | 31.93 | 31.93 |  |
| DP-SP175/65/150                                         | 4.13             | 14.48                           | 3.02                                   | 2.59 | 2.26 | 2.01 | 1.81 | 1.65 | 1.51 | 1.39 | 1.29 | 30.47                                         | 21.72                      | 21.72                   | 21.72 | 21.72 |  |
| DP-SP175/65/180                                         | 4.95             | 21.00                           | 4.37                                   | 3.75 | 3.28 | 2.92 | 2.62 | 2.39 | 2.19 | 2.02 | 1.87 | 36.40                                         | 31.50                      | 31.50                   | 31.50 | 31.50 |  |
| DP-SP175/65/200                                         | 5.49             | 25.27                           | 5.27                                   | 4.51 | 3.95 | 3.51 | 3.16 | 2.87 | 2.63 | 2.43 | 2.26 | 40.29                                         | 37.91                      | 37.91                   | 37.91 | 37.91 |  |
| DP-SP205/65/150                                         | 4.47             | 17.35                           | 3.61                                   | 3.10 | 2.71 | 2.41 | 2.17 | 1.97 | 1.81 | 1.67 | 1.55 | 26.03                                         | 26.03                      | 26.03                   | 26.03 | 26.03 |  |
| DP-SP205/65/180                                         | 5.36             | 25.45                           | 5.30                                   | 4.54 | 3.98 | 3.53 | 3.18 | 2.89 | 2.65 | 2.45 | 2.27 | 52.88                                         | 38.17                      | 38.17                   | 38.17 | 38.17 |  |
| DP-SP205/65/200                                         | 5.95             | 30.77                           | 6.41                                   | 5.49 | 4.81 | 4.27 | 3.85 | 3.50 | 3.21 | 2.96 | 2.75 | 58.56                                         | 46.15                      | 45.90                   | 46.15 | 46.15 |  |
| DP-SP235/65/150                                         | 4.81             | 19.35                           | 4.03                                   | 3.46 | 3.02 | 2.69 | 2.42 | 2.20 | 2.02 | 1.86 | 1.73 | 58.61                                         | 29.02                      | 29.02                   | 29.02 | 29.02 |  |
| DP-SP235/65/180                                         | 5.78             | 28.73                           | 5.99                                   | 5.13 | 4.49 | 3.99 | 3.59 | 3.26 | 2.99 | 2.76 | 2.57 | 70.09                                         | 43.10                      | 43.10                   | 43.10 | 43.10 |  |
| DP-SP235/65/200                                         | 6.42             | 34.90                           | 7.27                                   | 6.23 | 5.45 | 4.85 | 4.36 | 3.97 | 3.64 | 3.36 | 3.12 | 77.63                                         | 52.35                      | 52.35                   | 52.35 | 52.35 |  |
| DP-SP265/65/150                                         | 5.16             | 22.03                           | 4.59                                   | 3.93 | 3.44 | 3.06 | 2.75 | 2.50 | 2.29 | 2.12 | 1.97 | 78.11                                         | 33.05                      | 33.05                   | 33.05 | 33.05 |  |
| DP-SP265/65/180                                         | 6.19             | 33.15                           | 6.91                                   | 5.92 | 5.18 | 4.60 | 4.14 | 3.77 | 3.45 | 3.19 | 2.96 | 93.46                                         | 49.72                      | 49.72                   | 49.72 | 49.72 |  |
| DP-SP265/65/200                                         | 6.88             | 40.46                           | 8.43                                   | 7.23 | 6.32 | 5.62 | 5.06 | 4.60 | 4.21 | 3.89 | 3.61 | 103.55                                        | 60.69                      | 59.33                   | 60.69 | 60.69 |  |
| DP-SP300/65/150                                         | 5.56             | 23.58                           | 4.91                                   | 4.21 | 3.68 | 3.28 | 2.95 | 2.68 | 2.46 | 2.27 | 2.11 | 105.33                                        | 35.37                      | 35.37                   | 35.37 | 35.37 |  |
| DP-SP300/65/180                                         | 6.68             | 34.49                           | 7.19                                   | 6.16 | 5.39 | 4.79 | 4.31 | 3.92 | 3.59 | 3.32 | 3.08 | 126.07                                        | 51.73                      | 51.73                   | 51.73 | 51.73 |  |
| DP-SP300/65/200                                         | 7.42             | 41.67                           | 8.68                                   | 7.44 | 6.51 | 5.79 | 5.21 | 4.74 | 4.34 | 4.01 | 3.72 | 139.73                                        | 62.51                      | 62.51                   | 62.51 | 62.51 |  |
| DP-SP325/65/150                                         | 5.85             | 26.43                           | 5.51                                   | 4.72 | 4.13 | 3.67 | 3.30 | 3.00 | 2.75 | 2.54 | 2.36 | 127.90                                        | 39.65                      | 39.65                   | 39.65 | 39.65 |  |
| DP-SP325/65/180                                         | 7.02             | 38.67                           | 8.06                                   | 6.91 | 6.04 | 5.37 | 4.83 | 4.39 | 4.03 | 3.72 | 3.45 | 153.13                                        | 58.00                      | 58.00                   | 58.00 | 58.00 |  |
| DP-SP325/65/200                                         | 7.80             | 46.73                           | 9.74                                   | 8.35 | 7.30 | 6.49 | 5.84 | 5.31 | 4.87 | 4.49 | 4.17 | 169.75                                        | 70.10                      | 69.82                   | 70.10 | 70.10 |  |
| Prosigma + Double 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             | 11.19                           | 2.07                                   | 1.78 | 1.55 | 1.38 | 1.24 | 1.13 | 1.04 | 0.96 | 0.89 | 16.52                                         | 16.79                      | 16.79                   | 16.79 | 16.79 |  |
| DP-SP145/65/180                                         | 4.53             | 15.97                           | 2.96                                   | 2.54 | 2.22 | 1.97 | 1.77 | 1.61 | 1.48 | 1.37 | 1.27 | 19.71                                         | 23.96                      | 23.96                   | 23.96 | 23.96 |  |
| DP-SP145/65/200                                         | 5.03             | 19.10                           | 3.54                                   | 3.03 | 2.65 | 2.36 | 2.12 | 1.93 | 1.77 | 1.63 | 1.52 | 21.81                                         | 28.66                      | 28.66                   | 28.66 | 28.66 |  |
| DP-SP175/65/150                                         | 4.13             | 13.15                           | 2.43                                   | 2.09 | 1.83 | 1.62 | 1.46 | 1.33 | 1.22 | 1.12 | 1.04 | 24.08                                         | 19.72                      | 19.72                   | 19.72 | 19.72 |  |
| DP-SP175/65/180                                         | 4.95             | 18.94                           | 3.51                                   | 3.01 | 2.63 | 2.34 | 2.10 | 1.91 | 1.75 | 1.62 | 1.50 | 28.76                                         | 28.41                      | 28.41                   | 28.41 | 28.41 |  |
| DP-SP175/65/200                                         | 5.49             | 22.74                           | 4.21                                   | 3.61 | 3.16 | 2.81 | 2.53 | 2.30 | 2.11 | 1.94 | 1.80 | 31.84                                         | 34.11                      | 34.11                   | 34.11 | 34.11 |  |
| DP-SP205/65/150                                         | 4.47             | 15.83                           | 2.93                                   | 2.51 | 2.20 | 1.95 | 1.76 | 1.60 | 1.47 | 1.35 | 1.26 | 34.96                                         | 23.74                      | 23.62                   | 23.74 | 23.74 |  |
| DP-SP205/65/180                                         | 5.36             | 23.02                           | 4.26                                   | 3.65 | 3.20 | 2.84 | 2.56 | 2.33 | 2.13 | 1.97 | 1.83 | 41.78                                         | 34.53                      | 32.14                   | 34.53 | 34.53 |  |
| DP-SP205/65/200                                         | 5.95             | 27.75                           | 5.14                                   | 4.40 | 3.85 | 3.43 | 3.08 | 2.80 | 2.57 | 2.37 | 2.20 | 46.27                                         | 41.62                      | 37.73                   | 41.62 | 41.62 |  |
| DP-SP235/65/150                                         | 4.81             | 17.74                           | 3.29                                   | 2.82 | 2.46 | 2.19 | 1.97 | 1.79 | 1.64 | 1.52 | 1.41 | 46.31                                         | 26.61                      | 26.61                   | 26.61 | 26.61 |  |
| DP-SP235/65/180                                         | 5.78             | 26.07                           | 4.83                                   | 4.14 | 3.62 | 3.22 | 2.90 | 2.63 | 2.41 | 2.23 | 2.07 | 55.38                                         | 39.11                      | 38.08                   | 39.11 | 39.11 |  |
| DP-SP235/65/200                                         | 6.42             | 31.55                           | 5.84                                   | 5.01 | 4.38 | 3.90 | 3.51 | 3.19 | 2.92 | 2.70 | 2.50 | 61.34                                         | 47.33                      | 44.73                   | 47.33 | 47.33 |  |
| DP-SP265/65/150                                         | 5.16             | 20.32                           | 3.76                                   | 3.22 | 2.82 | 2.51 | 2.26 | 2.05 | 1.88 | 1.74 | 1.61 | 61.72                                         | 30.47                      | 30.47                   | 30.47 | 30.47 |  |
| DP-SP265/65/180                                         | 6.19             | 30.19                           | 5.59                                   | 4.79 | 4.19 | 3.73 | 3.35 | 3.05 | 2.79 | 2.58 | 2.40 | 73.84                                         | 45.28                      | 41.47                   | 45.28 | 45.28 |  |
| DP-SP265/65/200                                         | 6.88             | 36.68                           | 6.79                                   | 5.82 | 5.09 | 4.53 | 4.08 | 3.70 | 3.40 | 3.13 | 2.91 | 81.82                                         | 55.02                      | 48.63                   | 55.02 | 55.02 |  |
| DP-SP300/65/150                                         | 5.56             | 20.96                           | 3.88                                   | 3.33 | 2.91 | 2.59 | 2.33 | 2.12 | 1.94 | 1.79 | 1.66 | 83.22                                         | 31.44                      | 31.44                   | 31.44 | 31.44 |  |
| DP-SP300/65/180                                         | 6.68             | 30.66                           | 5.68                                   | 4.87 | 4.26 | 3.78 | 3.41 | 3.10 | 2.84 | 2.62 | 2.43 | 99.61                                         | 45.99                      | 45.99                   | 45.99 | 45.99 |  |
| DP-SP300/65/200                                         | 7.42             | 37.04                           | 6.86                                   | 5.88 | 5.14 | 4.57 | 4.12 | 3.74 | 3.43 | 3.17 | 2.94 | 110.40                                        | 55.57                      | 54.17                   | 55.57 | 55.57 |  |
| DP-SP325/65/150                                         | 5.85             | 23.49                           | 4.35                                   | 3.73 | 3.26 | 2.90 | 2.61 | 2.37 | 2.18 | 2.01 | 1.86 | 101.06                                        | 35.24                      | 35.24                   | 35.24 | 35.24 |  |
| DP-SP325/65/180                                         | 7.02             | 34.37                           | 6.37                                   | 5.46 | 4.77 | 4.24 | 3.82 | 3.47 | 3.18 | 2.94 | 2.73 | 120.99                                        | 51.56                      | 48.65                   | 51.56 | 51.56 |  |
| DP-SP325/65/200                                         | 7.80             | 41.54                           | 7.69                                   | 6.59 | 5.77 | 5.13 | 4.62 | 4.20 | 3.85 | 3.55 | 3.30 | 134.12                                        | 62.31                      | 56.93                   | 62.31 | 62.31 |  |
| Prosigma + Double 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             | 10.20                           | 1.70                                   | 1.46 | 1.28 | 1.13 | 1.02 | 0.93 | 0.85 | 0.78 | 0.73 | 13.38                                         | 15.31                      | 15.31                   | 15.31 | 15.31 |  |
| DP-SP145/65/180                                         | 4.53             | 14.51                           | 2.42                                   | 2.07 | 1.81 | 1.61 | 1.45 | 1.32 | 1.21 | 1.12 | 1.04 | 15.97                                         | 21.76                      | 21.41                   | 21.76 | 21.76 |  |
| DP-SP145/65/200                                         | 5.03             | 17.33                           | 2.89                                   | 2.48 | 2.17 | 1.93 | 1.73 | 1.58 | 1.44 | 1.33 | 1.24 | 17.67                                         | 25.99                      | 25.35                   | 25.99 | 25.99 |  |
| DP-SP175/65/150                                         | 4.13             | 12.03                           | 2.00                                   | 1.72 | 1.50 | 1.34 | 1.20 | 1.09 | 1.00 | 0.93 | 0.86 | 19.50                                         | 18.04                      | 17.88                   | 18.04 | 18.04 |  |
| DP-SP175/65/180                                         | 4.95             | 17.24                           | 2.87                                   | 2.46 | 2.15 | 1.92 | 1.72 | 1.57 | 1.44 | 1.33 | 1.23 | 23.30                                         | 25.86                      | 24.65                   | 25.86 | 25.86 |  |
| DP-SP175/65/200                                         | 5.49             | 20.66                           | 3.44                                   | 2.95 | 2.58 | 2.30 | 2.07 | 1.88 | 1.72 | 1.59 | 1.48 | 25.79                                         | 30.99                      | 29.11                   | 30.99 | 30.99 |  |
| DP-SP205/65/150                                         | 4.47             | 14.53                           | 2.42                                   | 2.08 | 1.82 | 1.61 | 1.45 | 1.32 | 1.21 | 1.12 | 1.04 | 28.32                                         | 21.80                      | 19.76                   | 21.80 | 21.80 |  |
| DP-SP205/65/180                                         | 5.36             | 21.00                           | 3.50                                   | 3.00 | 2.63 | 2.33 | 2.10 | 1.91 | 1.75 | 1.62 | 1.50 | 33.85                                         | 31.51                      | 27.08                   | 31.51 | 31.51 |  |
| DP-SP205/65/200                                         | 5.95             | 25.26                           | 4.21                                   | 3.61 | 3.16 | 2.81 | 2.53 | 2.30 | 2.10 | 1.94 | 1.80 | 37.48                                         | 37.89                      | 31.91                   | 37.89 | 37.89 |  |
| DP-SP235/65/150                                         | 4.81             | 16.35                           | 2.73                                   | 2.34 | 2.04 | 1.82 | 1.64 | 1.49 | 1.36 | 1.26 | 1.17 | 37.51                                         | 24.53                      | 23.42                   | 24.53 | 24.53 |  |
| DP-SP235/65/180                                         | 5.78             | 23.85                           | 3.97                                   | 3.41 | 2.98 | 2.65 | 2.38 | 2.17 | 1.99 | 1.83 | 1.70 | 44.86                                         | 35.77                      | 32.12                   | 35.77 | 35.77 |  |
| DP-SP235/65/200                                         | 6.42             | 28.78                           | 4.80                                   | 4.11 | 3.60 | 3.20 | 2.88 | 2.62 | 2.40 | 2.21 | 2.06 | 49.69                                         | 43.16                      | 37.86                   | 43.16 | 43.16 |  |
| DP-SP265/65/150                                         | 5.16             | 18.80                           | 3.13                                   | 2.69 | 2.35 | 2.09 | 1.88 | 1.71 | 1.57 | 1.45 | 1.34 | 49.99                                         | 28.21                      | 25.50                   | 28.21 | 28.21 |  |
| DP-SP265/65/180                                         | 6.19             | 27.68                           | 4.61                                   | 3.95 | 3.46 | 3.08 | 2.77 | 2.52 | 2.31 | 2.13 | 1.98 | 59.81                                         | 41.52                      |                         |       |       |  |

ProSigma+ (Galv.) - Double 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> |      |      |      |        |      |      |      |      | Load to<br>Achieve<br>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 + Double 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             | 9.38                            | 1.42                                   | 1.22 | 1.07 | 0.95 | 0.85   | 0.77 | 0.71 |      |      | 11.06                                         | 14.06                      | 13.36                   | 14.06 | 14.06 |  |
| DP-SP145/65/180                          | 4.53             | 13.20                           | 2.00                                   | 1.71 | 1.50 | 1.33 | 1.20   | 1.09 | 1.00 | 0.92 | 0.86 | 13.20                                         | 19.93                      | 18.62                   | 19.93 | 19.93 |  |
| DP-SP145/65/200                          | 5.03             | 14.60                           | 2.21                                   | 1.90 | 1.66 | 1.47 | 1.33   | 1.21 | 1.11 | 1.02 | 0.95 | 14.60                                         | 23.77                      | 22.10                   | 23.77 | 23.77 |  |
| DP-SP175/65/150                          | 4.13             | 11.08                           | 1.68                                   | 1.44 | 1.26 | 1.12 | 1.01   | 0.92 | 0.84 | 0.77 | 0.72 | 16.12                                         | 16.62                      | 15.38                   | 16.62 | 16.62 |  |
| DP-SP175/65/180                          | 4.95             | 15.82                           | 2.40                                   | 2.05 | 1.80 | 1.60 | 1.44   | 1.31 | 1.20 | 1.11 | 1.03 | 19.25                                         | 23.72                      | 21.34                   | 23.72 | 23.72 |  |
| DP-SP175/65/200                          | 5.49             | 18.92                           | 2.87                                   | 2.46 | 2.15 | 1.91 | 1.72   | 1.56 | 1.43 | 1.32 | 1.23 | 21.31                                         | 28.39                      | 25.28                   | 28.39 | 28.39 |  |
| DP-SP205/65/150                          | 4.47             | 13.42                           | 2.03                                   | 1.74 | 1.53 | 1.36 | 1.22   | 1.11 | 1.02 | 0.94 | 0.87 | 23.40                                         | 20.13                      | 16.91                   | 20.13 | 20.13 |  |
| DP-SP205/65/180                          | 5.36             | 19.31                           | 2.93                                   | 2.51 | 2.19 | 1.95 | 1.76   | 1.60 | 1.46 | 1.35 | 1.25 | 27.97                                         | 28.96                      | 23.34                   | 28.96 | 28.96 |  |
| DP-SP205/65/200                          | 5.95             | 23.17                           | 3.51                                   | 3.01 | 2.63 | 2.34 | 2.11   | 1.91 | 1.76 | 1.62 | 1.50 | 30.97                                         | 34.76                      | 27.59                   | 34.76 | 34.76 |  |
| DP-SP235/65/150                          | 4.81             | 15.15                           | 2.30                                   | 1.97 | 1.72 | 1.53 | 1.38   | 1.25 | 1.15 | 1.06 | 0.98 | 31.00                                         | 22.72                      | 20.06                   | 22.72 | 22.72 |  |
| DP-SP235/65/180                          | 5.78             | 21.96                           | 3.33                                   | 2.85 | 2.50 | 2.22 | 2.00   | 1.81 | 1.66 | 1.54 | 1.43 | 37.07                                         | 32.94                      | 27.71                   | 32.94 | 32.94 |  |
| DP-SP235/65/200                          | 6.42             | 26.44                           | 4.01                                   | 3.43 | 3.00 | 2.67 | 2.40   | 2.19 | 2.00 | 1.85 | 1.72 | 41.06                                         | 39.66                      | 32.76                   | 39.66 | 39.66 |  |
| DP-SP265/65/150                          | 5.16             | 17.48                           | 2.65                                   | 2.27 | 1.99 | 1.77 | 1.59   | 1.44 | 1.32 | 1.22 | 1.13 | 41.32                                         | 26.22                      | 21.78                   | 26.22 | 26.22 |  |
| DP-SP265/65/180                          | 6.19             | 25.54                           | 3.87                                   | 3.32 | 2.90 | 2.58 | 2.32   | 2.11 | 1.94 | 1.79 | 1.66 | 49.43                                         | 38.31                      | 30.00                   | 38.31 | 38.31 |  |
| DP-SP265/65/200                          | 6.88             | 30.85                           | 4.67                                   | 4.01 | 3.51 | 3.12 | 2.80   | 2.55 | 2.34 | 2.16 | 2.00 | 54.77                                         | 46.28                      | 35.41                   | 46.07 | 46.28 |  |
| DP-SP300/65/150                          | 5.56             | 17.15                           | 2.60                                   | 2.23 | 1.95 | 1.73 | 1.56   | 1.42 | 1.30 | 1.20 | 1.11 | 55.71                                         | 25.72                      | 24.24                   | 25.72 | 25.72 |  |
| DP-SP300/65/180                          | 6.68             | 24.40                           | 3.70                                   | 3.17 | 2.77 | 2.46 | 2.22   | 2.02 | 1.85 | 1.71 | 1.58 | 66.68                                         | 36.60                      | 33.33                   | 36.60 | 36.60 |  |
| DP-SP300/65/200                          | 7.42             | 28.75                           | 4.36                                   | 3.73 | 3.27 | 2.90 | 2.61   | 2.38 | 2.18 | 2.01 | 1.87 | 73.91                                         | 43.13                      | 39.32                   | 43.13 | 43.13 |  |
| DP-SP325/65/150                          | 5.85             | 19.11                           | 2.90                                   | 2.48 | 2.17 | 1.93 | 1.74   | 1.58 | 1.45 | 1.34 | 1.24 | 67.65                                         | 28.66                      | 25.45                   | 28.66 | 28.66 |  |
| DP-SP325/65/180                          | 7.02             | 26.55                           | 4.02                                   | 3.45 | 3.02 | 2.68 | 2.41   | 2.19 | 2.01 | 1.86 | 1.72 | 80.99                                         | 39.83                      | 34.90                   | 39.83 | 39.83 |  |
| DP-SP325/65/200                          | 7.80             | 31.24                           | 4.73                                   | 4.06 | 3.55 | 3.16 | 2.84   | 2.58 | 2.37 | 2.18 | 2.03 | 89.79                                         | 46.87                      | 41.13                   | 46.87 | 46.87 |  |
| Prosigma + Double 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             | 8.67                            | 1.20                                   | 1.03 | 0.90 | 0.80 | 0.72   |      |      |      |      | 9.29                                          | 13.00                      | 11.74                   | 13.00 | 13.00 |  |
| DP-SP145/65/180                          | 4.53             | 11.09                           | 1.54                                   | 1.32 | 1.16 | 1.03 | 0.92   | 0.84 | 0.77 | 0.71 |      | 11.09                                         | 18.38                      | 16.45                   | 18.38 | 18.38 |  |
| DP-SP145/65/200                          | 5.03             | 12.27                           | 1.70                                   | 1.46 | 1.28 | 1.14 | 1.02   | 0.93 | 0.85 | 0.79 | 0.73 | 12.27                                         | 21.91                      | 19.58                   | 21.91 | 21.91 |  |
| DP-SP175/65/150                          | 4.13             | 10.26                           | 1.43                                   | 1.22 | 1.07 | 0.95 | 0.86   | 0.78 | 0.71 |      |      | 13.54                                         | 15.40                      | 13.47                   | 15.40 | 15.40 |  |
| DP-SP175/65/180                          | 4.95             | 14.61                           | 2.03                                   | 1.74 | 1.52 | 1.35 | 1.22   | 1.11 | 1.01 | 0.94 | 0.87 | 16.18                                         | 21.91                      | 18.80                   | 21.91 | 21.91 |  |
| DP-SP175/65/200                          | 5.49             | 17.46                           | 2.42                                   | 2.08 | 1.82 | 1.62 | 1.45   | 1.32 | 1.21 | 1.12 | 1.04 | 17.91                                         | 26.19                      | 22.33                   | 26.19 | 26.19 |  |
| DP-SP205/65/150                          | 4.47             | 12.46                           | 1.73                                   | 1.48 | 1.30 | 1.15 | 1.04   | 0.94 | 0.87 | 0.80 | 0.74 | 19.66                                         | 18.70                      | 14.75                   | 18.70 | 18.70 |  |
| DP-SP205/65/180                          | 5.36             | 17.86                           | 2.48                                   | 2.13 | 1.86 | 1.65 | 1.49   | 1.35 | 1.24 | 1.14 | 1.06 | 23.50                                         | 26.79                      | 20.48                   | 26.16 | 26.79 |  |
| DP-SP205/65/200                          | 5.95             | 21.40                           | 2.97                                   | 2.55 | 2.23 | 1.98 | 1.78   | 1.62 | 1.49 | 1.37 | 1.27 | 26.03                                         | 32.10                      | 24.28                   | 30.60 | 32.10 |  |
| DP-SP235/65/150                          | 4.81             | 14.10                           | 1.96                                   | 1.68 | 1.47 | 1.31 | 1.18   | 1.07 | 0.98 | 0.90 | 0.84 | 26.05                                         | 21.15                      | 17.51                   | 21.15 | 21.15 |  |
| DP-SP235/65/180                          | 5.78             | 20.35                           | 2.83                                   | 2.42 | 2.12 | 1.88 | 1.70   | 1.54 | 1.41 | 1.30 | 1.21 | 31.15                                         | 30.52                      | 24.34                   | 30.52 | 30.52 |  |
| DP-SP235/65/200                          | 6.42             | 24.45                           | 3.40                                   | 2.91 | 2.55 | 2.26 | 2.04   | 1.85 | 1.70 | 1.57 | 1.46 | 34.50                                         | 36.68                      | 28.85                   | 36.23 | 36.68 |  |
| DP-SP265/65/150                          | 5.16             | 16.31                           | 2.27                                   | 1.94 | 1.70 | 1.51 | 1.36   | 1.24 | 1.13 | 1.05 | 0.97 | 34.72                                         | 24.47                      | 18.96                   | 24.47 | 24.47 |  |
| DP-SP265/65/180                          | 6.19             | 23.70                           | 3.29                                   | 2.82 | 2.47 | 2.19 | 1.98   | 1.80 | 1.65 | 1.52 | 1.41 | 41.54                                         | 35.55                      | 26.28                   | 33.86 | 35.55 |  |
| DP-SP265/65/200                          | 6.88             | 28.57                           | 3.97                                   | 3.40 | 2.98 | 2.65 | 2.38   | 2.16 | 1.98 | 1.83 | 1.70 | 46.02                                         | 42.85                      | 31.12                   | 39.55 | 42.85 |  |
| DP-SP300/65/150                          | 5.56             | 15.44                           | 2.15                                   | 1.84 | 1.61 | 1.43 | 1.29   | 1.17 | 1.07 | 0.99 | 0.92 | 46.81                                         | 23.17                      | 21.08                   | 23.17 | 23.17 |  |
| DP-SP300/65/180                          | 6.68             | 21.32                           | 2.96                                   | 2.54 | 2.22 | 1.97 | 1.78   | 1.61 | 1.48 | 1.37 | 1.27 | 56.03                                         | 31.97                      | 29.17                   | 31.97 | 31.97 |  |
| DP-SP300/65/200                          | 7.42             | 25.00                           | 3.47                                   | 2.98 | 2.60 | 2.32 | 2.08   | 1.89 | 1.74 | 1.60 | 1.49 | 62.10                                         | 37.51                      | 34.51                   | 37.51 | 37.51 |  |
| DP-SP325/65/150                          | 5.85             | 16.81                           | 2.33                                   | 2.00 | 1.75 | 1.56 | 1.40   | 1.27 | 1.17 | 1.08 | 1.00 | 56.85                                         | 25.22                      | 22.08                   | 25.22 | 25.22 |  |
| DP-SP325/65/180                          | 7.02             | 23.13                           | 3.21                                   | 2.75 | 2.41 | 2.14 | 1.93   | 1.75 | 1.61 | 1.48 | 1.38 | 68.06                                         | 34.70                      | 30.49                   | 34.70 | 34.70 |  |
| DP-SP325/65/200                          | 7.80             | 27.09                           | 3.76                                   | 3.23 | 2.82 | 2.51 | 2.26   | 2.05 | 1.88 | 1.74 | 1.61 | 75.44                                         | 40.64                      | 36.04                   | 40.64 | 40.64 |  |
| Prosigma + Double Span Rails Load Tables |                  |                                 | Minmun 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             | 7.92                            | 1.01                                   | 0.87 | 0.76 |      |        |      |      |      |      | 7.92                                          | 12.09                      | 10.47                   | 12.09 | 12.09 |  |
| DP-SP145/65/180                          | 4.53             | 9.45                            | 1.21                                   | 1.04 | 0.91 | 0.81 | 0.73   |      |      |      |      | 9.45                                          | 17.06                      | 14.74                   | 17.06 | 17.06 |  |
| DP-SP145/65/200                          | 5.03             | 10.45                           | 1.34                                   | 1.15 | 1.01 | 0.89 | 0.80   | 0.73 |      |      |      | 10.45                                         | 20.31                      | 17.58                   | 20.31 | 20.31 |  |
| DP-SP175/65/150                          | 4.13             | 9.56                            | 1.23                                   | 1.05 | 0.92 | 0.82 | 0.74   |      |      |      |      | 11.54                                         | 14.34                      | 11.97                   | 14.34 | 14.34 |  |
| DP-SP175/65/180                          | 4.95             | 13.57                           | 1.74                                   | 1.49 | 1.30 | 1.16 | 1.04   | 0.95 | 0.87 | 0.80 | 0.75 | 13.79                                         | 20.35                      | 16.80                   | 20.35 | 20.35 |  |
| DP-SP175/65/200                          | 5.49             | 15.26                           | 1.96                                   | 1.68 | 1.47 | 1.30 | 1.17   | 1.07 | 0.98 | 0.90 | 0.84 | 15.26                                         | 24.30                      | 19.99                   | 24.24 | 24.30 |  |
| DP-SP205/65/150                          | 4.47             | 11.63                           | 1.49                                   | 1.28 | 1.12 | 0.99 | 0.89   | 0.81 | 0.75 | 0.69 |      | 16.76                                         | 17.45                      | 13.06                   | 16.82 | 17.45 |  |
| DP-SP205/65/180                          | 5.36             | 16.61                           | 2.13                                   | 1.83 | 1.60 | 1.42 | 1.28   | 1.16 | 1.06 | 0.98 | 0.91 | 20.03                                         | 24.91                      | 18.24                   | 22.82 | 24.91 |  |
| DP-SP205/65/200                          | 5.95             | 19.88                           | 2.55                                   | 2.18 | 1.91 | 1.70 | 1.53   | 1.39 | 1.27 | 1.18 | 1.09 | 22.18                                         | 29.82                      | 21.67                   | 26.76 | 29.82 |  |
| DP-SP235/65/150                          | 4.81             | 13.18                           | 1.69                                   | 1.45 | 1.27 | 1.13 | 1.01   | 0.92 | 0.85 | 0.78 | 0.72 | 22.19                                         | 19.78                      | 15.52                   | 19.78 | 19.78 |  |
| DP-SP235/65/180                          | 5.78             | 18.95                           | 2.43                                   | 2.08 | 1.82 | 1.62 | 1.46   | 1.33 | 1.21 | 1.12 | 1.04 | 26.54                                         | 28.42                      | 21.69                   | 27.03 | 28.42 |  |
| DP-SP235/65/200                          | 6.42             | 22.74                           | 2.91                                   | 2.50 | 2.19 | 1.94 | 1.75   | 1.59 | 1.46 | 1.35 | 1.25 | 29.40                                         | 34.11                      | 25.77                   | 31.71 | 34.11 |  |
| DP-SP265/65/6                            |                  |                                 |                                        |      |      |      |        |      |      |      |      |                                               |                            |                         |       |       |  |

ProSigma+ (Galv.) - Double 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> |      |      |      |      |      |      |      |      | Load to<br>Achieve<br>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 + Double 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             | 6.83                            | 0.81                                   | 0.70 |      |      |      |      |      |      |      | 6.83                                          | 11.30                      | 9.44                    | 11.30 | 11.30 |
| DP-SP145/65/180                          | 4.53             | 8.15                            | 0.97                                   | 0.83 | 0.73 |      |      |      |      |      |      | 8.15                                          | 15.91                      | 13.35                   | 15.85 | 15.91 |
| DP-SP145/65/200                          | 5.03             | 9.01                            | 1.07                                   | 0.92 | 0.80 | 0.72 |      |      |      |      |      | 9.01                                          | 18.93                      | 15.95                   | 18.73 | 18.93 |
| DP-SP175/65/150                          | 4.13             | 8.95                            | 1.06                                   | 0.91 | 0.80 | 0.71 |      |      |      |      |      | 9.95                                          | 13.42                      | 10.77                   | 13.34 | 13.42 |
| DP-SP175/65/180                          | 4.95             | 11.89                           | 1.42                                   | 1.21 | 1.06 | 0.94 | 0.85 | 0.77 | 0.71 |      |      | 11.89                                         | 19.00                      | 15.18                   | 18.30 | 19.00 |
| DP-SP175/65/200                          | 5.49             | 13.16                           | 1.57                                   | 1.34 | 1.17 | 1.04 | 0.94 | 0.85 | 0.78 | 0.72 |      | 13.16                                         | 22.67                      | 18.10                   | 21.57 | 22.67 |
| DP-SP205/65/150                          | 4.47             | 10.90                           | 1.30                                   | 1.11 | 0.97 | 0.87 | 0.78 | 0.71 |      |      |      | 14.45                                         | 16.35                      | 11.71                   | 14.80 | 16.35 |
| DP-SP205/65/180                          | 5.36             | 15.52                           | 1.85                                   | 1.58 | 1.39 | 1.23 | 1.11 | 1.01 | 0.92 | 0.85 | 0.79 | 17.27                                         | 23.28                      | 16.43                   | 20.18 | 23.28 |
| DP-SP205/65/200                          | 5.95             | 18.56                           | 2.21                                   | 1.89 | 1.66 | 1.47 | 1.33 | 1.21 | 1.10 | 1.02 | 0.95 | 19.12                                         | 27.84                      | 19.57                   | 23.72 | 27.84 |
| DP-SP235/65/150                          | 4.81             | 12.38                           | 1.47                                   | 1.26 | 1.10 | 0.98 | 0.88 | 0.80 | 0.74 |      |      | 19.14                                         | 18.56                      | 13.93                   | 17.52 | 18.56 |
| DP-SP235/65/180                          | 5.78             | 17.73                           | 2.11                                   | 1.81 | 1.58 | 1.41 | 1.27 | 1.15 | 1.06 | 0.97 | 0.90 | 22.89                                         | 26.59                      | 19.56                   | 23.92 | 26.59 |
| DP-SP235/65/200                          | 6.42             | 21.24                           | 2.53                                   | 2.17 | 1.90 | 1.69 | 1.52 | 1.38 | 1.26 | 1.17 | 1.08 | 25.35                                         | 31.87                      | 23.29                   | 28.13 | 31.87 |
| DP-SP265/65/150                          | 5.16             | 14.37                           | 1.71                                   | 1.47 | 1.28 | 1.14 | 1.03 | 0.93 | 0.86 | 0.79 | 0.73 | 25.51                                         | 21.55                      | 15.02                   | 19.12 | 21.55 |
| DP-SP265/65/180                          | 6.19             | 20.70                           | 2.46                                   | 2.11 | 1.85 | 1.64 | 1.48 | 1.34 | 1.23 | 1.14 | 1.06 | 30.52                                         | 31.05                      | 21.05                   | 26.02 | 31.05 |
| DP-SP265/65/200                          | 6.88             | 24.87                           | 2.96                                   | 2.54 | 2.22 | 1.97 | 1.78 | 1.61 | 1.48 | 1.37 | 1.27 | 33.81                                         | 37.30                      | 25.03                   | 30.55 | 37.30 |
| DP-SP300/65/150                          | 5.56             | 12.12                           | 1.44                                   | 1.24 | 1.08 | 0.96 | 0.87 | 0.79 | 0.72 |      |      | 34.39                                         | 18.19                      | 16.66                   | 18.19 | 18.19 |
| DP-SP300/65/180                          | 6.68             | 16.44                           | 1.96                                   | 1.68 | 1.47 | 1.30 | 1.17 | 1.07 | 0.98 | 0.90 | 0.84 | 41.17                                         | 24.66                      | 23.31                   | 24.66 | 24.66 |
| DP-SP300/65/200                          | 7.42             | 19.14                           | 2.28                                   | 1.95 | 1.71 | 1.52 | 1.37 | 1.24 | 1.14 | 1.05 | 0.98 | 45.63                                         | 28.72                      | 27.71                   | 28.72 | 28.72 |
| DP-SP325/65/150                          | 5.85             | 13.13                           | 1.56                                   | 1.34 | 1.17 | 1.04 | 0.94 | 0.85 | 0.78 | 0.72 |      | 41.76                                         | 19.70                      | 17.40                   | 19.70 | 19.70 |
| DP-SP325/65/180                          | 7.02             | 17.75                           | 2.11                                   | 1.81 | 1.58 | 1.41 | 1.27 | 1.15 | 1.06 | 0.98 | 0.91 | 50.00                                         | 26.62                      | 24.29                   | 26.62 | 26.62 |
| DP-SP325/65/200                          | 7.80             | 20.63                           | 2.46                                   | 2.10 | 1.84 | 1.64 | 1.47 | 1.34 | 1.23 | 1.13 | 1.05 | 55.43                                         | 30.94                      | 28.85                   | 30.94 | 30.94 |
| Prosigma + Double Span Rails Load Tables |                  |                                 | Minmun 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             | 5.95                            |                                        |      |      |      |      |      |      |      |      | 5.95                                          | 10.60                      | 8.60                    | 10.31 | 10.60 |
| DP-SP145/65/180                          | 4.53             | 7.10                            | 0.79                                   |      |      |      |      |      |      |      |      | 7.10                                          | 14.90                      | 12.20                   | 14.28 | 14.90 |
| DP-SP145/65/200                          | 5.03             | 7.85                            | 0.87                                   | 0.75 |      |      |      |      |      |      |      | 7.85                                          | 17.72                      | 14.60                   | 16.90 | 17.72 |
| DP-SP175/65/150                          | 4.13             | 8.40                            | 0.93                                   | 0.80 | 0.70 |      |      |      |      |      |      | 8.67                                          | 12.61                      | 9.79                    | 11.92 | 12.61 |
| DP-SP175/65/180                          | 4.95             | 10.35                           | 1.15                                   | 0.99 | 0.86 | 0.77 | 0.69 |      |      |      |      | 10.35                                         | 17.82                      | 13.85                   | 16.43 | 17.82 |
| DP-SP175/65/200                          | 5.49             | 11.46                           | 1.27                                   | 1.09 | 0.96 | 0.85 | 0.76 | 0.69 |      |      |      | 11.46                                         | 21.24                      | 16.54                   | 19.41 | 21.24 |
| DP-SP205/65/150                          | 4.47             | 10.25                           | 1.14                                   | 0.98 | 0.85 | 0.76 | 0.68 |      |      |      |      | 12.58                                         | 15.38                      | 10.61                   | 13.17 | 15.38 |
| DP-SP205/65/180                          | 5.36             | 14.57                           | 1.62                                   | 1.39 | 1.21 | 1.08 | 0.97 | 0.88 | 0.81 | 0.75 | 0.69 | 15.04                                         | 21.85                      | 14.96                   | 18.05 | 21.85 |
| DP-SP205/65/200                          | 5.95             | 16.66                           | 1.85                                   | 1.59 | 1.39 | 1.23 | 1.11 | 1.01 | 0.93 | 0.85 | 0.79 | 16.66                                         | 26.10                      | 17.84                   | 21.27 | 26.10 |
| DP-SP235/65/150                          | 4.81             | 11.66                           | 1.30                                   | 1.11 | 0.97 | 0.86 | 0.78 | 0.71 |      |      |      | 16.67                                         | 17.49                      | 12.63                   | 15.61 | 17.49 |
| DP-SP235/65/180                          | 5.78             | 16.65                           | 1.85                                   | 1.59 | 1.39 | 1.23 | 1.11 | 1.01 | 0.93 | 0.85 | 0.79 | 19.94                                         | 24.98                      | 17.81                   | 21.42 | 24.98 |
| DP-SP235/65/200                          | 6.42             | 19.94                           | 2.22                                   | 1.90 | 1.66 | 1.48 | 1.33 | 1.21 | 1.11 | 1.02 | 0.95 | 22.08                                         | 29.90                      | 21.24                   | 25.24 | 29.90 |
| DP-SP265/65/150                          | 5.16             | 13.55                           | 1.51                                   | 1.29 | 1.13 | 1.00 | 0.90 | 0.82 | 0.75 | 0.70 |      | 22.22                                         | 20.33                      | 13.60                   | 17.00 | 20.33 |
| DP-SP265/65/180                          | 6.19             | 19.46                           | 2.16                                   | 1.85 | 1.62 | 1.44 | 1.30 | 1.18 | 1.08 | 1.00 | 0.93 | 26.58                                         | 29.20                      | 19.14                   | 23.24 | 29.20 |
| DP-SP265/65/200                          | 6.88             | 23.35                           | 2.59                                   | 2.22 | 1.95 | 1.73 | 1.56 | 1.42 | 1.30 | 1.20 | 1.11 | 29.45                                         | 35.03                      | 22.80                   | 27.36 | 35.03 |
| DP-SP300/65/150                          | 5.56             | 10.79                           | 1.20                                   | 1.03 | 0.90 | 0.80 | 0.72 |      |      |      |      | 29.96                                         | 16.18                      | 15.07                   | 16.18 | 16.18 |
| DP-SP300/65/180                          | 6.68             | 14.53                           | 1.61                                   | 1.38 | 1.21 | 1.08 | 0.97 | 0.88 | 0.81 | 0.74 | 0.69 | 35.86                                         | 21.79                      | 21.18                   | 21.79 | 21.79 |
| DP-SP300/65/200                          | 7.42             | 16.87                           | 1.87                                   | 1.61 | 1.41 | 1.25 | 1.12 | 1.02 | 0.94 | 0.87 | 0.80 | 39.75                                         | 25.31                      | 25.23                   | 25.31 | 25.31 |
| DP-SP325/65/150                          | 5.85             | 11.66                           | 1.30                                   | 1.11 | 0.97 | 0.86 | 0.78 | 0.71 |      |      |      | 36.38                                         | 17.49                      | 15.72                   | 17.49 | 17.49 |
| DP-SP325/65/180                          | 7.02             | 15.64                           | 1.74                                   | 1.49 | 1.30 | 1.16 | 1.04 | 0.95 | 0.87 | 0.80 | 0.74 | 43.56                                         | 23.46                      | 22.05                   | 23.46 | 23.46 |
| DP-SP325/65/200                          | 7.80             | 18.13                           | 2.01                                   | 1.73 | 1.51 | 1.34 | 1.21 | 1.10 | 1.01 | 0.93 | 0.86 | 48.28                                         | 27.20                      | 26.24                   | 27.20 | 27.20 |
| Prosigma + Double 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             | 5.23                            |                                        |      |      |      |      |      |      |      |      | 5.23                                          | 9.98                       | 7.89                    | 9.33  | 9.98  |
| DP-SP145/65/180                          | 4.53             | 6.24                            |                                        |      |      |      |      |      |      |      |      | 6.24                                          | 14.02                      | 11.24                   | 12.98 | 14.02 |
| DP-SP145/65/200                          | 5.03             | 6.90                            | 0.72                                   |      |      |      |      |      |      |      |      | 6.90                                          | 16.66                      | 13.46                   | 15.39 | 16.66 |
| DP-SP175/65/150                          | 4.13             | 7.62                            | 0.79                                   | 0.68 |      |      |      |      |      |      |      | 7.62                                          | 11.89                      | 8.97                    | 10.76 | 11.89 |
| DP-SP175/65/180                          | 4.95             | 9.10                            | 0.95                                   | 0.81 | 0.71 |      |      |      |      |      |      | 9.10                                          | 16.77                      | 12.73                   | 14.90 | 16.77 |
| DP-SP175/65/200                          | 5.49             | 10.07                           | 1.05                                   | 0.90 | 0.79 | 0.70 |      |      |      |      |      | 10.07                                         | 19.98                      | 15.23                   | 17.63 | 19.98 |
| DP-SP205/65/150                          | 4.47             | 9.68                            | 1.01                                   | 0.86 | 0.76 |      |      |      |      |      |      | 11.06                                         | 14.52                      | 9.70                    | 11.85 | 14.52 |
| DP-SP205/65/180                          | 5.36             | 13.22                           | 1.38                                   | 1.18 | 1.03 | 0.92 | 0.83 | 0.75 | 0.69 |      |      | 13.22                                         | 20.58                      | 13.73                   | 16.31 | 20.58 |
| DP-SP205/65/200                          | 5.95             | 14.64                           | 1.52                                   | 1.31 | 1.14 | 1.02 | 0.91 | 0.83 | 0.76 | 0.70 |      | 14.64                                         | 24.57                      | 16.40                   | 19.26 | 24.57 |
| DP-SP235/65/150                          | 4.81             | 11.02                           | 1.15                                   | 0.98 | 0.86 | 0.76 | 0.69 |      |      |      |      | 14.65                                         | 16.52                      | 11.56                   | 14.05 | 16.52 |
| DP-SP235/65/180                          | 5.78             | 15.70                           | 1.64                                   | 1.40 | 1.23 | 1.09 | 0.98 | 0.89 | 0.82 | 0.75 | 0.70 | 17.52                                         | 23.55                      | 16.35                   | 19.36 | 23.55 |
| DP-SP235/65/200                          | 6.42             | 18.78                           | 1.96                                   | 1.68 | 1.47 | 1.30 | 1.17 | 1.07 | 0.98 | 0.90 | 0.84 | 19.41                                         | 28.16                      | 19.54                   | 22.87 | 28.16 |
| DP-SP265/65/150                          | 5.16             | 12.82                           | 1.34                                   | 1.14 | 1.00 | 0.89 | 0.80 | 0.73 |      |      |      | 19.53                                         | 19.23                      | 12.43                   | 15.27 | 19.23 |
| DP-SP265/65/180                          | 6.19             | 18.37                           | 1.91                                   | 1.64 | 1.43 | 1.28 | 1.15 | 1.04 | 0.96 | 0.88 | 0.82 | 23.36                                         | 27.55                      | 17.55                   | 20.98 | 27.55 |
| DP-SP265/65/200                          | 6.88             | 22.01                           | 2.29                                   | 1.97 | 1.72 | 1.53 | 1.38 | 1.25 | 1.15 | 1.06 | 0.98 | 25.89                                         | 33.02                      | 20.95                   | 24.74 | 32.45 |
| DP-SP300/65/150                          | 5.56             | 9.63                            | 1.00                                   | 0.86 | 0.75 |      |      |      |      |      |      | 26.33                                         | 14.45                      | 13.76                   | 14.45 | 14.45 |
| DP-SP300/65/180                          | 6.68             | 12.89                           | 1.34                                   | 1.15 | 1.01 | 0.90 | 0.81 | 0.73 |      |      |      | 31.52                                         | 19.34                      | 19.34                   | 19.34 | 19.34 |
| DP-SP300/65/200                          | 7.42             | 14.95                           | 1.56                                   | 1.33 | 1.17 | 1.04 | 0.93 | 0.85 | 0.78 | 0.72 |      | 34.93                                         | 22.42                      | 22.42                   | 22.42 | 22.42 |
| DP-SP325/65/150                          | 5.85             | 10.38                           | 1.08                                   | 0.93 | 0.81 | 0.72 |      |      |      |      |      | 31.98                                         | 15.57                      | 14.33                   | 15.57 | 15.57 |
| DP-SP325/65/180                          | 7.02             | 13.85                           | 1.44                                   | 1.24 | 1.08 | 0.96 | 0.87 | 0.79 | 0.72 |      |      | 38.28                                         | 20.77                      | 20.19                   | 20.77 | 20.77 |
| DP-SP325/65/200                          | 7.80             | 16.032                          |                                        |      |      |      |      |      |      |      |      |                                               |                            |                         |       |       |

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

| Section reference                        | Weight<br>(Kg/m) |                                 | Working Loads                          |      |      |      |      |      |      |      |       | Ultimate U.D.L. in kN/Span                    |                 |                         |       |       |       |
|------------------------------------------|------------------|---------------------------------|----------------------------------------|------|------|------|------|------|------|------|-------|-----------------------------------------------|-----------------|-------------------------|-------|-------|-------|
|                                          |                  | Total<br>Working<br>U.D.L. (KN) | Allowable loading in kN/m <sup>2</sup> |      |      |      |      |      |      |      |       | Load to<br>Achieve<br>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 + Double Span Rails Load Tables |                  |                                 | Minmun 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             | 4.63                            |                                        |      |      |      |      |      |      |      |       | 4.63                                          | 9.43            | 7.30                    | 8.52  | 9.43  |       |
| DP-SP145/65/180                          | 4.53             | 5.53                            |                                        |      |      |      |      |      |      |      |       | 5.53                                          | 13.23           | 10.42                   | 11.89 | 13.23 |       |
| DP-SP145/65/200                          | 5.03             | 6.11                            |                                        |      |      |      |      |      |      |      |       | 6.11                                          | 15.72           | 12.50                   | 14.13 | 15.72 |       |
| DP-SP175/65/150                          | 4.13             | 6.75                            |                                        |      |      |      |      |      |      |      |       | 6.75                                          | 11.24           | 8.28                    | 9.79  | 11.24 |       |
| DP-SP175/65/180                          | 4.95             | 8.06                            | 0.79                                   |      |      |      |      |      |      |      |       | 8.06                                          | 15.84           | 11.79                   | 13.61 | 15.84 |       |
| DP-SP175/65/200                          | 5.49             | 8.92                            | 0.87                                   | 0.75 |      |      |      |      |      |      |       | 8.92                                          | 18.86           | 14.12                   | 16.14 | 18.86 |       |
| DP-SP205/65/150                          | 4.47             | 9.16                            | 0.90                                   | 0.77 |      |      |      |      |      |      |       | 9.80                                          | 13.74           | 8.94                    | 10.75 | 13.74 |       |
| DP-SP205/65/180                          | 5.36             | 11.71                           | 1.15                                   | 0.98 | 0.86 | 0.77 | 0.69 |      |      |      |       | 11.71                                         | 19.46           | 12.68                   | 14.87 | 19.27 |       |
| DP-SP205/65/200                          | 5.95             | 12.97                           | 1.27                                   | 1.09 | 0.95 | 0.85 | 0.76 | 0.69 |      |      |       | 12.97                                         | 23.21           | 15.17                   | 17.59 | 22.51 |       |
| DP-SP235/65/150                          | 4.81             | 10.44                           | 1.02                                   | 0.88 | 0.77 | 0.68 |      |      |      |      |       | 12.98                                         | 15.66           | 10.65                   | 12.76 | 15.66 |       |
| DP-SP235/65/180                          | 5.78             | 14.85                           | 1.46                                   | 1.25 | 1.09 | 0.97 | 0.87 | 0.79 | 0.73 |      |       | 15.52                                         | 22.27           | 15.12                   | 17.66 | 22.27 |       |
| DP-SP235/65/200                          | 6.42             | 17.19                           | 1.69                                   | 1.44 | 1.26 | 1.12 | 1.01 | 0.92 | 0.84 | 0.78 | 0.72  | 17.19                                         | 26.62           | 18.09                   | 20.90 | 26.62 |       |
| DP-SP265/65/150                          | 5.16             | 12.17                           | 1.19                                   | 1.02 | 0.89 | 0.80 | 0.72 |      |      |      |       | 17.30                                         | 18.25           | 11.44                   | 13.84 | 18.25 |       |
| DP-SP265/65/180                          | 6.19             | 17.38                           | 1.70                                   | 1.46 | 1.28 | 1.14 | 1.02 | 0.93 | 0.85 | 0.79 | 0.73  | 20.70                                         | 26.07           | 16.21                   | 19.10 | 24.98 |       |
| DP-SP265/65/200                          | 6.88             | 20.81                           | 2.04                                   | 1.75 | 1.53 | 1.36 | 1.22 | 1.11 | 1.02 | 0.94 | 0.87  | 22.93                                         | 31.22           | 19.37                   | 22.57 | 29.13 |       |
| DP-SP300/65/150                          | 5.56             | 8.63                            | 0.85                                   | 0.72 |      |      |      |      |      |      |       | 23.33                                         | 12.94           | 12.66                   | 12.94 | 12.94 |       |
| DP-SP300/65/180                          | 6.68             | 11.50                           | 1.13                                   | 0.97 | 0.85 | 0.75 |      |      |      |      | 27.92 | 17.25                                         | 17.25           | 17.25                   | 17.25 |       |       |
| DP-SP300/65/200                          | 7.42             | 13.32                           | 1.31                                   | 1.12 | 0.98 | 0.87 | 0.78 | 0.71 |      |      |       | 30.94                                         | 19.98           | 19.98                   | 19.98 | 19.98 |       |
| DP-SP325/65/150                          | 5.85             | 9.28                            | 0.91                                   | 0.78 | 0.68 |      |      |      |      |      |       | 28.32                                         | 13.92           | 13.17                   | 13.92 | 13.92 |       |
| DP-SP325/65/180                          | 7.02             | 12.33                           | 1.21                                   | 1.04 | 0.91 | 0.81 | 0.73 |      |      |      |       | 33.91                                         | 18.49           | 18.49                   | 18.49 | 18.49 |       |
| DP-SP325/65/200                          | 7.80             | 14.25                           | 1.40                                   | 1.20 | 1.05 | 0.93 | 0.84 | 0.76 | 0.70 |      |       | 37.59                                         | 21.38           | 21.38                   | 21.38 | 21.38 |       |
| Prosigma + Double Span Rails Load Tables |                  |                                 | Minmun 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             | 4.13                            |                                        |      |      |      |      |      |      |      |       | 4.13                                          | 8.94            | 6.79                    | 7.83  | 8.94  |       |
| DP-SP145/65/180                          | 4.53             | 4.93                            |                                        |      |      |      |      |      |      |      |       | 4.93                                          | 12.53           | 9.71                    | 10.97 | 12.53 |       |
| DP-SP145/65/200                          | 5.03             | 5.45                            |                                        |      |      |      |      |      |      |      |       | 5.45                                          | 14.88           | 11.66                   | 13.05 | 14.88 |       |
| DP-SP175/65/150                          | 4.13             | 6.02                            |                                        |      |      |      |      |      |      |      |       | 6.02                                          | 10.66           | 7.69                    | 8.98  | 10.66 |       |
| DP-SP175/65/180                          | 4.95             | 7.19                            |                                        |      |      |      |      |      |      |      |       | 7.19                                          | 15.01           | 10.98                   | 12.53 | 15.01 |       |
| DP-SP175/65/200                          | 5.49             | 7.96                            | 0.74                                   |      |      |      |      |      |      |      |       | 7.96                                          | 17.86           | 13.16                   | 14.89 | 17.86 |       |
| DP-SP205/65/150                          | 4.47             | 8.70                            | 0.81                                   | 0.69 |      |      |      |      |      |      |       | 8.74                                          | 13.05           | 8.29                    | 9.83  | 12.92 |       |
| DP-SP205/65/180                          | 5.36             | 10.45                           | 0.97                                   | 0.83 | 0.73 |      |      |      |      |      |       | 10.45                                         | 18.44           | 11.79                   | 13.65 | 17.44 |       |
| DP-SP205/65/200                          | 5.95             | 11.57                           | 1.07                                   | 0.92 | 0.80 | 0.71 |      |      |      |      |       | 11.57                                         | 21.99           | 14.12                   | 16.18 | 20.40 |       |
| DP-SP235/65/150                          | 4.81             | 9.92                            | 0.92                                   | 0.79 | 0.69 |      |      |      |      |      |       | 11.58                                         | 14.88           | 9.88                    | 11.67 | 14.88 |       |
| DP-SP235/65/180                          | 5.78             | 13.84                           | 1.28                                   | 1.10 | 0.96 | 0.85 | 0.77 | 0.70 |      |      |       | 13.84                                         | 21.12           | 14.07                   | 16.23 | 20.65 |       |
| DP-SP235/65/200                          | 6.42             | 15.34                           | 1.42                                   | 1.22 | 1.06 | 0.95 | 0.85 | 0.77 | 0.71 |      |       | 15.34                                         | 25.23           | 16.84                   | 19.23 | 24.16 |       |
| DP-SP265/65/150                          | 5.16             | 11.57                           | 1.07                                   | 0.92 | 0.80 | 0.71 |      |      |      |      |       | 15.43                                         | 17.36           | 10.60                   | 12.64 | 16.77 |       |
| DP-SP265/65/180                          | 6.19             | 16.50                           | 1.53                                   | 1.31 | 1.15 | 1.02 | 0.92 | 0.83 | 0.76 | 0.71 |       |                                               | 18.46           | 24.75                   | 15.07 | 17.52 | 22.57 |
| DP-SP265/65/200                          | 6.88             | 19.74                           | 1.83                                   | 1.57 | 1.37 | 1.22 | 1.10 | 1.00 | 0.91 | 0.84 | 0.78  | 20.45                                         | 29.61           | 18.03                   | 20.75 | 26.37 |       |
| DP-SP300/65/150                          | 5.56             | 7.76                            | 0.72                                   |      |      |      |      |      |      |      |       | 20.81                                         | 11.64           | 11.64                   | 11.64 | 11.64 |       |
| DP-SP300/65/180                          | 6.68             | 10.31                           | 0.95                                   | 0.82 | 0.72 |      |      |      |      |      |       | 24.90                                         | 15.47           | 15.47                   | 15.47 | 15.47 |       |
| DP-SP300/65/200                          | 7.42             | 11.93                           | 1.10                                   | 0.95 | 0.83 | 0.74 |      |      |      |      |       | 27.60                                         | 17.90           | 17.90                   | 17.90 | 17.90 |       |
| DP-SP325/65/150                          | 5.85             | 8.33                            | 0.77                                   |      |      |      |      |      |      |      |       | 25.26                                         | 12.49           | 12.19                   | 12.49 | 12.49 |       |
| DP-SP325/65/180                          | 7.02             | 11.03                           | 1.02                                   | 0.88 | 0.77 | 0.68 |      |      |      |      |       | 30.25                                         | 16.54           | 16.54                   | 16.54 | 16.54 |       |
| DP-SP325/65/200                          | 7.80             | 12.75                           | 1.18                                   | 1.01 | 0.89 | 0.79 | 0.71 |      |      |      |       | 33.53                                         | 19.12           | 19.12                   | 19.12 | 19.12 |       |