

ProSigma+ (PrePainted.) - Sleeved Span Rails - Load Tables

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

| Prosigma + Sleeved Span Rail Load Tables S390 |        |        |       |       |       |      |      |      |      | Span = 4.0 |      |        |         |       |       |        |
|-----------------------------------------------|--------|--------|-------|-------|-------|------|------|------|------|------------|------|--------|---------|-------|-------|--------|
| Section Reference                             | Weight | U.D.L. | 1200  | 1400  | 1600  | 1800 | 2000 | 2200 | 2400 | 2600       | 2800 | Defl.  | Gravity | 0     | 1     | 2      |
| DP-PSP145/65/150                              | 3.78   | 12.98  | 2.70  | 2.32  | 2.03  | 1.80 | 1.62 | 1.47 | 1.35 | 1.25       | 1.16 | 16.17  | 19.46   | 20.29 | 27.00 | 27.44  |
| DP-PSP145/65/200                              | 5.03   | 21.36  | 4.45  | 3.81  | 3.34  | 2.97 | 2.67 | 2.43 | 2.22 | 2.05       | 1.91 | 21.36  | 32.53   | 32.44 | 42.92 | 48.27  |
| DP-PSP175/65/150                              | 4.13   | 16.68  | 3.48  | 2.98  | 2.61  | 2.32 | 2.09 | 1.90 | 1.74 | 1.60       | 1.49 | 21.17  | 25.02   | 23.80 | 32.42 | 35.28  |
| DP-PSP175/65/200                              | 5.49   | 27.92  | 5.82  | 4.99  | 4.36  | 3.88 | 3.49 | 3.17 | 2.91 | 2.68       | 2.49 | 27.99  | 41.89   | 37.75 | 51.13 | 62.15  |
| DP-PSP205/65/150                              | 4.47   | 20.68  | 4.31  | 3.69  | 3.23  | 2.87 | 2.58 | 2.35 | 2.15 | 1.99       | 1.85 | 30.74  | 31.01   | 26.73 | 37.34 | 43.73  |
| DP-PSP205/65/200                              | 5.95   | 34.64  | 7.22  | 6.19  | 5.41  | 4.81 | 4.33 | 3.94 | 3.61 | 3.33       | 3.09 | 40.68  | 51.96   | 42.01 | 58.37 | 77.10  |
| DP-PSP235/65/150                              | 4.81   | 24.94  | 5.20  | 4.45  | 3.90  | 3.46 | 3.12 | 2.83 | 2.60 | 2.40       | 2.23 | 37.34  | 37.42   | 31.60 | 44.27 | 52.76  |
| DP-PSP235/65/200                              | 6.42   | 41.83  | 8.71  | 7.47  | 6.54  | 5.81 | 5.23 | 4.75 | 4.36 | 4.02       | 3.73 | 49.46  | 62.75   | 49.69 | 69.06 | 92.37  |
| DP-PSP265/65/150                              | 5.16   | 29.48  | 6.14  | 5.26  | 4.61  | 4.09 | 3.69 | 3.35 | 3.07 | 2.83       | 2.63 | 49.77  | 44.23   | 34.76 | 49.55 | 62.36  |
| DP-PSP265/65/200                              | 6.88   | 49.48  | 10.31 | 8.84  | 7.73  | 6.87 | 6.19 | 5.62 | 5.15 | 4.76       | 4.42 | 65.98  | 74.22   | 54.36 | 76.78 | 104.62 |
| DP-PSP300/65/150                              | 5.56   | 35.12  | 7.32  | 6.27  | 5.49  | 4.88 | 4.39 | 3.99 | 3.66 | 3.38       | 3.14 | 67.11  | 52.68   | 39.00 | 56.30 | 73.91  |
| DP-PSP300/65/200                              | 7.42   | 58.98  | 12.29 | 10.53 | 9.22  | 8.19 | 7.37 | 6.70 | 6.14 | 5.67       | 5.27 | 89.03  | 88.47   | 60.76 | 86.77 | 120.21 |
| DP-PSP325/65/150                              | 5.85   | 39.36  | 8.20  | 7.03  | 6.15  | 5.47 | 4.92 | 4.47 | 4.10 | 3.78       | 3.51 | 81.49  | 59.04   | 41.35 | 60.49 | 80.51  |
| DP-PSP325/65/200                              | 7.80   | 66.14  | 13.78 | 11.81 | 10.33 | 9.19 | 8.27 | 7.52 | 6.89 | 6.36       | 5.91 | 108.15 | 99.21   | 64.16 | 92.75 | 130.37 |

| Prosigma + Sleeved Span Rail Load Tables S390 |        |        |       |      |      |      |      |      |      | Span = 4.5 |      |       |         |       |       |       |
|-----------------------------------------------|--------|--------|-------|------|------|------|------|------|------|------------|------|-------|---------|-------|-------|-------|
| Section Reference                             | Weight | U.D.L. | 1200  | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600       | 2800 | Defl. | Gravity | 0     | 1     | 2     |
| DP-PSP145/65/150                              | 3.78   | 11.53  | 2.14  | 1.83 | 1.60 | 1.42 | 1.28 | 1.16 | 1.07 | 0.99       | 0.92 | 12.78 | 17.30   | 16.65 | 17.30 | 17.30 |
| DP-PSP145/65/200                              | 5.03   | 16.87  | 3.12  | 2.68 | 2.34 | 2.08 | 1.87 | 1.70 | 1.56 | 1.44       | 1.34 | 16.87 | 28.92   | 26.89 | 28.92 | 28.92 |
| DP-PSP175/65/150                              | 4.13   | 14.83  | 2.75  | 2.35 | 2.06 | 1.83 | 1.65 | 1.50 | 1.37 | 1.27       | 1.18 | 16.73 | 22.24   | 19.41 | 22.24 | 22.24 |
| DP-PSP175/65/200                              | 5.49   | 22.12  | 4.10  | 3.51 | 3.07 | 2.73 | 2.46 | 2.23 | 2.05 | 1.89       | 1.76 | 22.12 | 37.23   | 31.09 | 37.23 | 37.23 |
| DP-PSP205/65/150                              | 4.47   | 18.38  | 3.40  | 2.92 | 2.55 | 2.27 | 2.04 | 1.86 | 1.70 | 1.57       | 1.46 | 24.29 | 27.57   | 21.65 | 27.57 | 27.57 |
| DP-PSP205/65/200                              | 5.95   | 30.79  | 5.70  | 4.89 | 4.28 | 3.80 | 3.42 | 3.11 | 2.85 | 2.63       | 2.44 | 32.14 | 46.19   | 34.37 | 46.19 | 46.19 |
| DP-PSP235/65/150                              | 4.81   | 22.17  | 4.11  | 3.52 | 3.08 | 2.74 | 2.46 | 2.24 | 2.05 | 1.90       | 1.76 | 29.50 | 33.26   | 25.60 | 33.26 | 33.26 |
| DP-PSP235/65/200                              | 6.42   | 37.18  | 6.89  | 5.90 | 5.16 | 4.59 | 4.13 | 3.76 | 3.44 | 3.18       | 2.95 | 39.08 | 55.78   | 40.69 | 55.58 | 55.78 |
| DP-PSP265/65/150                              | 5.16   | 26.21  | 4.85  | 4.16 | 3.64 | 3.24 | 2.91 | 2.65 | 2.43 | 2.24       | 2.08 | 39.32 | 39.31   | 28.04 | 39.31 | 39.31 |
| DP-PSP265/65/200                              | 6.88   | 43.98  | 8.14  | 6.98 | 6.11 | 5.43 | 4.89 | 4.44 | 4.07 | 3.76       | 3.49 | 52.13 | 65.97   | 44.33 | 61.48 | 65.97 |
| DP-PSP300/65/150                              | 5.56   | 31.22  | 5.78  | 4.95 | 4.34 | 3.85 | 3.47 | 3.15 | 2.89 | 2.67       | 2.48 | 53.02 | 46.82   | 31.37 | 45.06 | 46.82 |
| DP-PSP300/65/200                              | 7.42   | 52.43  | 9.71  | 8.32 | 7.28 | 6.47 | 5.83 | 5.30 | 4.85 | 4.48       | 4.16 | 70.34 | 78.64   | 49.43 | 69.22 | 78.64 |
| DP-PSP325/65/150                              | 5.85   | 34.99  | 6.48  | 5.55 | 4.86 | 4.32 | 3.89 | 3.53 | 3.24 | 2.99       | 2.78 | 64.39 | 52.48   | 33.16 | 48.22 | 52.48 |
| DP-PSP325/65/200                              | 7.80   | 58.79  | 10.89 | 9.33 | 8.17 | 7.26 | 6.53 | 5.94 | 5.44 | 5.02       | 4.67 | 85.45 | 88.18   | 52.03 | 73.71 | 88.18 |

| Prosigma + Sleeved Span Rail Load Tables S390 |        |        |      |      |      |      |      |      |      |      |      | 5.0   |         |       |       |       |
|-----------------------------------------------|--------|--------|------|------|------|------|------|------|------|------|------|-------|---------|-------|-------|-------|
| Section Reference                             | Weight | U.D.L. | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | Defl. | Gravity | 0     | 1     | 2     |
| DP-PSP145/65/150                              | 3.78   | 10.35  | 1.73 | 1.48 | 1.29 | 1.15 | 1.04 | 0.94 | 0.86 | 0.80 | 0.74 | 10.35 | 15.57   | 14.02 | 15.57 | 15.57 |
| DP-PSP145/65/200                              | 5.03   | 13.67  | 2.28 | 1.95 | 1.71 | 1.52 | 1.37 | 1.24 | 1.14 | 1.05 | 0.98 | 13.67 | 26.03   | 22.87 | 26.03 | 26.03 |
| DP-PSP175/65/150                              | 4.13   | 13.35  | 2.22 | 1.91 | 1.67 | 1.48 | 1.33 | 1.21 | 1.11 | 1.03 | 0.95 | 13.55 | 20.02   | 16.26 | 20.02 | 20.02 |
| DP-PSP175/65/200                              | 5.49   | 17.91  | 2.99 | 2.56 | 2.24 | 1.99 | 1.79 | 1.63 | 1.49 | 1.38 | 1.28 | 17.91 | 33.51   | 26.32 | 33.51 | 33.51 |
| DP-PSP205/65/150                              | 4.47   | 16.54  | 2.76 | 2.36 | 2.07 | 1.84 | 1.65 | 1.50 | 1.38 | 1.27 | 1.18 | 19.67 | 24.81   | 18.03 | 24.81 | 24.81 |
| DP-PSP205/65/200                              | 5.95   | 26.04  | 4.34 | 3.72 | 3.25 | 2.89 | 2.60 | 2.37 | 2.17 | 2.00 | 1.86 | 26.04 | 41.57   | 28.93 | 38.77 | 41.57 |
| DP-PSP235/65/150                              | 4.81   | 19.96  | 3.33 | 2.85 | 2.49 | 2.22 | 2.00 | 1.81 | 1.66 | 1.54 | 1.43 | 23.90 | 29.93   | 21.34 | 29.46 | 29.93 |
| DP-PSP235/65/200                              | 6.42   | 31.66  | 5.28 | 4.52 | 3.96 | 3.52 | 3.17 | 2.88 | 2.64 | 2.44 | 2.26 | 31.66 | 50.20   | 34.28 | 45.82 | 50.20 |
| DP-PSP265/65/150                              | 5.16   | 23.59  | 3.93 | 3.37 | 2.95 | 2.62 | 2.36 | 2.14 | 1.97 | 1.81 | 1.68 | 31.85 | 35.38   | 23.29 | 32.64 | 35.38 |
| DP-PSP265/65/200                              | 6.88   | 39.58  | 6.60 | 5.65 | 4.95 | 4.40 | 3.96 | 3.60 | 3.30 | 3.04 | 2.83 | 42.22 | 59.38   | 37.22 | 50.47 | 59.38 |
| DP-PSP300/65/150                              | 5.56   | 28.09  | 4.68 | 4.01 | 3.51 | 3.12 | 2.81 | 2.55 | 2.34 | 2.16 | 2.01 | 42.95 | 42.14   | 25.99 | 36.80 | 42.14 |
| DP-PSP300/65/200                              | 7.42   | 47.18  | 7.86 | 6.74 | 5.90 | 5.24 | 4.72 | 4.29 | 3.93 | 3.63 | 3.37 | 56.98 | 70.77   | 41.42 | 56.65 | 70.77 |
| DP-PSP325/65/150                              | 5.85   | 31.49  | 5.25 | 4.50 | 3.94 | 3.50 | 3.15 | 2.86 | 2.62 | 2.42 | 2.25 | 52.15 | 47.24   | 27.40 | 39.24 | 47.24 |
| DP-PSP325/65/200                              | 7.80   | 52.91  | 8.82 | 7.56 | 6.61 | 5.88 | 5.29 | 4.81 | 4.41 | 4.07 | 3.78 | 69.22 | 79.37   | 43.49 | 60.14 | 79.37 |

ProSigma+ (PrePainted.) - Sleeved Span Rails - Load Tables

| Section reference                             | Weight<br>(Kg/m) | Working Loads                          |                               |      |      |      |      |      |      |      |      |       | Ultimate U.D.L. in kN/Span |                                                   |                         |       |   |
|-----------------------------------------------|------------------|----------------------------------------|-------------------------------|------|------|------|------|------|------|------|------|-------|----------------------------|---------------------------------------------------|-------------------------|-------|---|
|                                               |                  | Allowable loading in kN/m <sup>2</sup> |                               |      |      |      |      |      |      |      |      |       | Gravity Load               | Uplift - metal                                    |                         |       |   |
|                                               |                  | Total Working U.D.L.                   | Purlin Centres in millimetres |      |      |      |      |      |      |      |      |       |                            | Working Load at Limiting Deflection<br>(L/150) KN | Number of anti sag rods |       |   |
|                                               |                  |                                        | (kN)                          | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800  |                            |                                                   | 0                       | 1     | 2 |
|                                               |                  |                                        |                               |      |      |      |      |      |      |      |      |       |                            |                                                   |                         |       |   |
| Prosigma + Sleeved Span Rail Load Tables S390 |                  |                                        |                               |      |      |      |      |      |      |      |      | 5.5   |                            |                                                   |                         |       |   |
| Section Reference                             | Weight           | U.D.L.                                 | 1200                          | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | Defl. | Gravity                    | 0                                                 | 1                       | 2     |   |
| DP-PSP145/65/200                              | 5.03             | 11.30                                  | 1.71                          | 1.47 | 1.28 | 1.14 | 1.03 | 0.93 | 0.86 | 0.79 | 0.73 | 11.30 | 23.66                      | 19.87                                             | 23.66                   | 23.66 |   |
| DP-PSP175/65/150                              | 4.13             | 11.20                                  | 1.70                          | 1.45 | 1.27 | 1.13 | 1.02 | 0.93 | 0.85 | 0.78 | 0.73 | 11.20 | 18.20                      | 13.93                                             | 18.20                   | 18.20 |   |
| DP-PSP175/65/200                              | 5.49             | 14.81                                  | 2.24                          | 1.92 | 1.68 | 1.50 | 1.35 | 1.22 | 1.12 | 1.04 | 0.96 | 14.81 | 30.46                      | 22.77                                             | 29.18                   | 30.46 |   |
| DP-PSP205/65/150                              | 4.47             | 15.04                                  | 2.28                          | 1.95 | 1.71 | 1.52 | 1.37 | 1.24 | 1.14 | 1.05 | 0.98 | 16.26 | 22.55                      | 15.37                                             | 20.90                   | 22.55 |   |
| DP-PSP205/65/200                              | 5.95             | 21.52                                  | 3.26                          | 2.79 | 2.45 | 2.17 | 1.96 | 1.78 | 1.63 | 1.50 | 1.40 | 21.52 | 37.79                      | 24.91                                             | 32.65                   | 37.79 |   |
| DP-PSP235/65/150                              | 4.81             | 18.14                                  | 2.75                          | 2.36 | 2.06 | 1.83 | 1.65 | 1.50 | 1.37 | 1.27 | 1.18 | 19.75 | 27.21                      | 18.21                                             | 24.70                   | 27.21 |   |
| DP-PSP235/65/200                              | 6.42             | 26.16                                  | 3.96                          | 3.40 | 2.97 | 2.64 | 2.38 | 2.16 | 1.98 | 1.83 | 1.70 | 26.16 | 45.63                      | 29.54                                             | 38.60                   | 45.63 |   |
| DP-PSP265/65/150                              | 5.16             | 21.44                                  | 3.25                          | 2.78 | 2.44 | 2.17 | 1.95 | 1.77 | 1.62 | 1.50 | 1.39 | 26.32 | 32.16                      | 19.80                                             | 27.27                   | 32.16 |   |
| DP-PSP265/65/200                              | 6.88             | 34.90                                  | 5.29                          | 4.53 | 3.97 | 3.52 | 3.17 | 2.88 | 2.64 | 2.44 | 2.27 | 34.90 | 53.98                      | 31.98                                             | 42.36                   | 53.98 |   |
| DP-PSP300/65/150                              | 5.56             | 25.54                                  | 3.87                          | 3.32 | 2.90 | 2.58 | 2.32 | 2.11 | 1.93 | 1.79 | 1.66 | 35.50 | 38.31                      | 22.07                                             | 30.65                   | 38.31 |   |
| DP-PSP300/65/200                              | 7.42             | 42.89                                  | 6.50                          | 5.57 | 4.87 | 4.33 | 3.90 | 3.54 | 3.25 | 3.00 | 2.79 | 47.09 | 64.34                      | 35.54                                             | 47.44                   | 64.34 |   |
| DP-PSP325/65/150                              | 5.85             | 28.63                                  | 4.34                          | 3.72 | 3.25 | 2.89 | 2.60 | 2.37 | 2.17 | 2.00 | 1.86 | 43.10 | 42.94                      | 23.20                                             | 32.59                   | 42.94 |   |
| DP-PSP325/65/200                              | 7.80             | 48.10                                  | 7.29                          | 6.25 | 5.47 | 4.86 | 4.37 | 3.98 | 3.64 | 3.36 | 3.12 | 57.21 | 72.15                      | 37.23                                             | 50.21                   | 72.15 |   |
|                                               |                  |                                        |                               |      |      |      |      |      |      |      |      |       |                            |                                                   |                         |       |   |
| Prosigma + Sleeved Span Rail Load Tables S390 |                  |                                        |                               |      |      |      |      |      |      |      |      | 6.0   |                            |                                                   |                         |       |   |
| DP-PSP145/65/150                              | 3.78             | 7.19                                   | 1.00                          | 0.86 | 0.75 |      |      |      |      |      | 7.19 | 12.98 | 10.57                      | 12.98                                             | 12.98                   |       |   |
| DP-PSP145/65/200                              | 5.03             | 9.49                                   | 1.32                          | 1.13 | 0.99 | 0.88 | 0.79 | 0.72 |      |      |      | 9.49  | 21.69                      | 17.55                                             | 21.63                   | 21.69 |   |
| DP-PSP175/65/150                              | 4.13             | 9.41                                   | 1.31                          | 1.12 | 0.98 | 0.87 | 0.78 | 0.71 |      |      |      | 9.41  | 16.68                      | 12.16                                             | 15.87                   | 16.68 |   |
| DP-PSP175/65/200                              | 5.49             | 12.44                                  | 1.73                          | 1.48 | 1.30 | 1.15 | 1.04 | 0.94 | 0.86 | 0.80 | 0.74 | 12.44 | 27.92                      | 20.04                                             | 25.16                   | 27.92 |   |
| DP-PSP205/65/150                              | 4.47             | 13.66                                  | 1.90                          | 1.63 | 1.42 | 1.26 | 1.14 | 1.03 | 0.95 | 0.88 | 0.81 | 13.66 | 20.68                      | 13.35                                             | 17.82                   | 20.68 |   |
| DP-PSP205/65/200                              | 5.95             | 18.08                                  | 2.51                          | 2.15 | 1.88 | 1.67 | 1.51 | 1.37 | 1.26 | 1.16 | 1.08 | 18.08 | 34.64                      | 21.84                                             | 28.01                   | 34.64 |   |
| DP-PSP235/65/150                              | 4.81             | 16.60                                  | 2.30                          | 1.98 | 1.73 | 1.54 | 1.38 | 1.26 | 1.15 | 1.06 | 0.99 | 16.60 | 24.94                      | 15.83                                             | 21.07                   | 24.94 |   |
| DP-PSP235/65/200                              | 6.42             | 21.98                                  | 3.05                          | 2.62 | 2.29 | 2.04 | 1.83 | 1.67 | 1.53 | 1.41 | 1.31 | 21.98 | 41.83                      | 25.92                                             | 33.13                   | 41.83 |   |
| DP-PSP265/65/150                              | 5.16             | 19.66                                  | 2.73                          | 2.34 | 2.05 | 1.82 | 1.64 | 1.49 | 1.36 | 1.26 | 1.17 | 22.12 | 29.48                      | 17.17                                             | 23.18                   | 29.48 |   |
| DP-PSP265/65/200                              | 6.88             | 29.32                                  | 4.07                          | 3.49 | 3.05 | 2.72 | 2.44 | 2.22 | 2.04 | 1.88 | 1.75 | 29.32 | 49.48                      | 28.00                                             | 36.24                   | 49.48 |   |
| DP-PSP300/65/150                              | 5.56             | 23.41                                  | 3.25                          | 2.79 | 2.44 | 2.17 | 1.95 | 1.77 | 1.63 | 1.50 | 1.39 | 29.83 | 35.12                      | 19.11                                             | 26.00                   | 35.12 |   |
| DP-PSP300/65/200                              | 7.42             | 39.32                                  | 5.46                          | 4.68 | 4.10 | 3.64 | 3.28 | 2.98 | 2.73 | 2.52 | 2.34 | 39.57 | 58.98                      | 31.07                                             | 40.51                   | 57.85 |   |
| DP-PSP325/65/150                              | 5.85             | 26.24                                  | 3.64                          | 3.12 | 2.73 | 2.43 | 2.19 | 1.99 | 1.82 | 1.68 | 1.56 | 36.22 | 39.36                      | 20.05                                             | 27.57                   | 39.36 |   |
| DP-PSP325/65/200                              | 7.80             | 44.09                                  | 6.12                          | 5.25 | 4.59 | 4.08 | 3.67 | 3.34 | 3.06 | 2.83 | 2.62 | 48.07 | 66.14                      | 32.48                                             | 42.77                   | 61.83 |   |
|                                               |                  |                                        |                               |      |      |      |      |      |      |      |      |       |                            |                                                   |                         |       |   |
| Prosigma + Sleeved Span Rail Load Tables S390 |                  |                                        |                               |      |      |      |      |      |      |      |      | 6.5   |                            |                                                   |                         |       |   |
| Section Reference                             | Weight           | U.D.L.                                 | 1200                          | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | Defl. | Gravity                    | 0                                                 | 1                       | 2     |   |
| DP-PSP145/65/150                              | 3.78             | 6.12                                   | 0.79                          |      |      |      |      |      |      |      |      | 6.12  | 11.98                      | 9.40                                              | 11.82                   | 11.98 |   |
| DP-PSP145/65/200                              | 5.03             | 8.09                                   | 1.04                          | 0.89 | 0.78 | 0.69 |      |      |      |      |      | 8.09  | 20.02                      | 15.71                                             | 19.02                   | 20.02 |   |
| DP-PSP175/65/150                              | 4.13             | 8.02                                   | 1.03                          | 0.88 | 0.77 | 0.69 |      |      |      |      |      | 8.02  | 15.40                      | 10.77                                             | 13.80                   | 15.40 |   |
| DP-PSP175/65/200                              | 5.49             | 10.60                                  | 1.36                          | 1.16 | 1.02 | 0.91 | 0.82 | 0.74 |      |      |      | 10.60 | 25.78                      | 17.89                                             | 22.04                   | 25.78 |   |
| DP-PSP205/65/150                              | 4.47             | 11.64                                  | 1.49                          | 1.28 | 1.12 | 0.99 | 0.90 | 0.81 | 0.75 | 0.69 |      | 11.64 | 19.08                      | 11.78                                             | 15.43                   | 19.08 |   |
| DP-PSP205/65/200                              | 5.95             | 15.41                                  | 1.98                          | 1.69 | 1.48 | 1.32 | 1.19 | 1.08 | 0.99 | 0.91 | 0.85 | 15.41 | 31.98                      | 19.43                                             | 24.42                   | 31.98 |   |
| DP-PSP235/65/150                              | 4.81             | 14.14                                  | 1.81                          | 1.55 | 1.36 | 1.21 | 1.09 | 0.99 | 0.91 | 0.84 | 0.78 | 14.14 | 23.03                      | 13.98                                             | 18.25                   | 23.03 |   |
| DP-PSP235/65/200                              | 6.42             | 18.73                                  | 2.40                          | 2.06 | 1.80 | 1.60 | 1.44 | 1.31 | 1.20 | 1.11 | 1.03 | 18.73 | 38.61                      | 23.08                                             | 28.89                   | 38.61 |   |
| DP-PSP265/65/150                              | 5.16             | 18.14                                  | 2.33                          | 1.99 | 1.74 | 1.55 | 1.40 | 1.27 | 1.16 | 1.07 | 1.00 | 18.85 | 27.22                      | 15.13                                             | 20.01                   | 27.22 |   |
| DP-PSP265/65/200                              | 6.88             | 24.98                                  | 3.20                          | 2.75 | 2.40 | 2.14 | 1.92 | 1.75 | 1.60 | 1.48 | 1.37 | 24.98 | 45.67                      | 24.88                                             | 31.52                   | 44.01 |   |
| DP-PSP300/65/150                              | 5.56             | 21.61                                  | 2.77                          | 2.37 | 2.08 | 1.85 | 1.66 | 1.51 | 1.39 | 1.28 | 1.19 | 25.41 | 32.42                      | 16.81                                             | 22.40                   | 32.28 |   |
| DP-PSP300/65/200                              | 7.42             | 33.71                                  | 4.32                          | 3.70 | 3.24 | 2.88 | 2.59 | 2.36 | 2.16 | 1.99 | 1.85 | 33.71 | 54.44                      | 27.58                                             | 35.17                   | 49.61 |   |
| DP-PSP325/65/150                              | 5.85             | 24.22                                  | 3.11                          | 2.66 | 2.33 | 2.07 | 1.86 | 1.69 | 1.55 | 1.43 | 1.33 | 30.86 | 36.34                      | 17.61                                             | 23.71                   | 34.59 |   |
| DP-PSP325/65/200                              | 7.80             | 40.70                                  | 5.22                          | 4.47 | 3.91 | 3.48 | 3.13 | 2.85 | 2.61 | 2.41 | 2.24 | 40.96 | 61.05                      | 28.78                                             | 37.06                   | 52.89 |   |

ProSigma+ (PrePainted.) - Sleeved Span Rails - Load Tables

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

Prosigma + Sleeved Span Rail Load Tables S390Span = 7.0

| Section Reference | Weight | U.D.L. | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | Defl. | Gravity | 0     | 1     | 2     |
|-------------------|--------|--------|------|------|------|------|------|------|------|------|------|-------|---------|-------|-------|-------|
| DP-PSP145/65/150  | 3.78   | 5.28   |      |      |      |      |      |      |      |      |      | 5.28  | 11.12   | 8.45  | 10.45 | 11.12 |
| DP-PSP145/65/200  | 5.03   | 6.97   | 0.83 | 0.71 |      |      |      |      |      |      |      | 6.97  | 18.59   | 14.22 | 16.94 | 18.59 |
| DP-PSP175/65/150  | 4.13   | 6.91   | 0.82 | 0.71 |      |      |      |      |      |      |      | 6.91  | 14.30   | 9.66  | 12.16 | 14.30 |
| DP-PSP175/65/200  | 5.49   | 9.14   | 1.09 | 0.93 | 0.82 | 0.73 |      |      |      |      |      | 9.14  | 23.93   | 16.16 | 19.55 | 23.93 |
| DP-PSP205/65/150  | 4.47   | 10.04  | 1.19 | 1.02 | 0.90 | 0.80 | 0.72 |      |      |      |      | 10.04 | 17.72   | 10.53 | 13.54 | 17.72 |
| DP-PSP205/65/200  | 5.95   | 13.28  | 1.58 | 1.36 | 1.19 | 1.05 | 0.95 | 0.86 | 0.79 | 0.73 |      | 13.28 | 29.69   | 17.50 | 21.58 | 29.32 |
| DP-PSP235/65/150  | 4.81   | 12.19  | 1.45 | 1.24 | 1.09 | 0.97 | 0.87 | 0.79 | 0.73 |      |      | 12.19 | 21.38   | 12.51 | 16.02 | 21.38 |
| DP-PSP235/65/200  | 6.42   | 16.15  | 1.92 | 1.65 | 1.44 | 1.28 | 1.15 | 1.05 | 0.96 | 0.89 | 0.82 | 16.15 | 35.86   | 20.79 | 25.55 | 34.65 |
| DP-PSP265/65/150  | 5.16   | 16.25  | 1.93 | 1.66 | 1.45 | 1.29 | 1.16 | 1.06 | 0.97 | 0.89 | 0.83 | 16.25 | 25.27   | 13.51 | 17.52 | 24.80 |
| DP-PSP265/65/200  | 6.88   | 21.54  | 2.56 | 2.20 | 1.92 | 1.71 | 1.54 | 1.40 | 1.28 | 1.18 | 1.10 | 21.54 | 42.41   | 22.38 | 27.80 | 38.27 |
| DP-PSP300/65/150  | 5.56   | 20.07  | 2.39 | 2.05 | 1.79 | 1.59 | 1.43 | 1.30 | 1.19 | 1.10 | 1.02 | 21.91 | 30.10   | 14.99 | 19.58 | 28.02 |
| DP-PSP300/65/200  | 7.42   | 29.07  | 3.46 | 2.97 | 2.60 | 2.31 | 2.08 | 1.89 | 1.73 | 1.60 | 1.48 | 29.07 | 50.55   | 24.78 | 30.98 | 43.05 |
| DP-PSP325/65/150  | 5.85   | 22.49  | 2.68 | 2.30 | 2.01 | 1.79 | 1.61 | 1.46 | 1.34 | 1.24 | 1.15 | 26.61 | 33.74   | 15.68 | 20.68 | 29.94 |
| DP-PSP325/65/200  | 7.80   | 35.32  | 4.20 | 3.60 | 3.15 | 2.80 | 2.52 | 2.29 | 2.10 | 1.94 | 1.80 | 35.32 | 56.69   | 25.83 | 32.58 | 45.79 |

Prosigma + Sleeved Span Rail Load Tables S390Span = 7.5

| Section Reference | Weight | U.D.L. | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | Defl. | Gravity | 0     | 1     | 2     |
|-------------------|--------|--------|------|------|------|------|------|------|------|------|------|-------|---------|-------|-------|-------|
| DP-PSP145/65/150  | 3.78   | 4.60   |      |      |      |      |      |      |      |      |      | 4.60  | 10.38   | 7.68  | 9.35  | 10.38 |
| DP-PSP145/65/200  | 5.03   | 6.07   |      |      |      |      |      |      |      |      |      | 6.07  | 17.35   | 12.99 | 15.25 | 17.35 |
| DP-PSP175/65/150  | 4.13   | 6.02   |      |      |      |      |      |      |      |      |      | 6.02  | 13.35   | 8.76  | 10.84 | 13.35 |
| DP-PSP175/65/200  | 5.49   | 7.96   | 0.88 | 0.76 |      |      |      |      |      |      |      | 7.96  | 22.34   | 14.73 | 17.55 | 22.34 |
| DP-PSP205/65/150  | 4.47   | 8.74   | 0.97 | 0.83 | 0.73 |      |      |      |      |      |      | 8.74  | 16.54   | 9.52  | 12.02 | 16.54 |
| DP-PSP205/65/200  | 5.95   | 11.57  | 1.29 | 1.10 | 0.96 | 0.86 | 0.77 | 0.70 |      |      |      | 11.57 | 27.71   | 15.91 | 19.29 | 25.84 |
| DP-PSP235/65/150  | 4.81   | 10.62  | 1.18 | 1.01 | 0.89 | 0.79 | 0.71 |      |      |      |      | 10.62 | 19.96   | 11.31 | 14.23 | 19.64 |
| DP-PSP235/65/200  | 6.42   | 14.07  | 1.56 | 1.34 | 1.17 | 1.04 | 0.94 | 0.85 | 0.78 | 0.72 |      | 14.07 | 33.47   | 18.92 | 22.85 | 30.55 |
| DP-PSP265/65/150  | 5.16   | 14.16  | 1.57 | 1.35 | 1.18 | 1.05 | 0.94 | 0.86 | 0.79 | 0.73 |      | 14.16 | 23.59   | 12.20 | 15.52 | 21.76 |
| DP-PSP265/65/200  | 6.88   | 18.77  | 2.09 | 1.79 | 1.56 | 1.39 | 1.25 | 1.14 | 1.04 | 0.96 | 0.89 | 18.77 | 39.58   | 20.33 | 24.81 | 33.64 |
| DP-PSP300/65/150  | 5.56   | 18.73  | 2.08 | 1.78 | 1.56 | 1.39 | 1.25 | 1.14 | 1.04 | 0.96 | 0.89 | 19.09 | 28.09   | 13.52 | 17.33 | 24.53 |
| DP-PSP300/65/200  | 7.42   | 25.32  | 2.81 | 2.41 | 2.11 | 1.88 | 1.69 | 1.53 | 1.41 | 1.30 | 1.21 | 25.32 | 47.18   | 22.50 | 27.62 | 37.77 |
| DP-PSP325/65/150  | 5.85   | 20.99  | 2.33 | 2.00 | 1.75 | 1.56 | 1.40 | 1.27 | 1.17 | 1.08 | 1.00 | 23.18 | 31.49   | 14.12 | 18.26 | 26.16 |
| DP-PSP325/65/200  | 7.80   | 30.76  | 3.42 | 2.93 | 2.56 | 2.28 | 2.05 | 1.86 | 1.71 | 1.58 | 1.46 | 30.76 | 52.91   | 23.43 | 28.99 | 40.09 |

Prosigma + Sleeved Span Rail Load Tables S390Span = 8.0

| Section Reference | Weight | U.D.L. | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | Defl. | Gravity | 0     | 1     | 2     |
|-------------------|--------|--------|------|------|------|------|------|------|------|------|------|-------|---------|-------|-------|-------|
| DP-PSP145/65/150  | 3.78   | 4.04   |      |      |      |      |      |      |      |      |      | 4.04  | 9.73    | 7.04  | 8.44  | 9.73  |
| DP-PSP145/65/200  | 5.03   | 5.34   |      |      |      |      |      |      |      |      |      | 5.34  | 16.27   | 11.96 | 13.85 | 16.27 |
| DP-PSP175/65/150  | 4.13   | 5.29   |      |      |      |      |      |      |      |      |      | 5.29  | 12.51   | 8.00  | 9.76  | 12.51 |
| DP-PSP175/65/200  | 5.49   | 7.00   | 0.73 |      |      |      |      |      |      |      |      | 7.00  | 20.94   | 13.54 | 15.90 | 20.52 |
| DP-PSP205/65/150  | 4.47   | 7.68   | 0.80 | 0.69 |      |      |      |      |      |      |      | 7.68  | 15.51   | 8.68  | 10.78 | 14.75 |
| DP-PSP205/65/200  | 5.95   | 10.17  | 1.06 | 0.91 | 0.79 | 0.71 |      |      |      |      |      | 10.17 | 25.98   | 14.59 | 17.42 | 23.00 |
| DP-PSP235/65/150  | 4.81   | 9.33   | 0.97 | 0.83 | 0.73 |      |      |      |      |      |      | 9.33  | 18.71   | 10.32 | 12.77 | 17.43 |
| DP-PSP235/65/200  | 6.42   | 12.37  | 1.29 | 1.10 | 0.97 | 0.86 | 0.77 | 0.70 |      |      |      | 12.37 | 31.37   | 17.36 | 20.65 | 27.19 |
| DP-PSP265/65/150  | 5.16   | 12.44  | 1.30 | 1.11 | 0.97 | 0.86 | 0.78 | 0.71 |      |      |      | 12.44 | 22.11   | 11.11 | 13.90 | 19.26 |
| DP-PSP265/65/200  | 6.88   | 16.49  | 1.72 | 1.47 | 1.29 | 1.15 | 1.03 | 0.94 | 0.86 | 0.79 | 0.74 | 16.49 | 37.11   | 18.64 | 22.38 | 29.87 |
| DP-PSP300/65/150  | 5.56   | 16.78  | 1.75 | 1.50 | 1.31 | 1.17 | 1.05 | 0.95 | 0.87 | 0.81 | 0.75 | 16.78 | 26.34   | 12.31 | 15.50 | 21.67 |
| DP-PSP300/65/200  | 7.42   | 22.26  | 2.32 | 1.99 | 1.74 | 1.55 | 1.39 | 1.26 | 1.16 | 1.07 | 0.99 | 22.26 | 44.23   | 20.61 | 24.88 | 33.48 |
| DP-PSP325/65/150  | 5.85   | 19.68  | 2.05 | 1.76 | 1.54 | 1.37 | 1.23 | 1.12 | 1.03 | 0.95 | 0.88 | 20.37 | 29.52   | 12.84 | 16.31 | 23.07 |
| DP-PSP325/65/200  | 7.80   | 27.04  | 2.82 | 2.41 | 2.11 | 1.88 | 1.69 | 1.54 | 1.41 | 1.30 | 1.21 | 27.04 | 49.60   | 21.43 | 26.08 | 35.47 |

ProSigma+ (PrePainted.) - Sleeved Span Rails - Load Tables

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

Prosigma + Sleeved Span Rail Load Tables S390Span = 8.5

| Section Reference | Weight | U.D.L. | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | Defl. | Gravity | 0     | 1     | 2     |
|-------------------|--------|--------|------|------|------|------|------|------|------|------|------|-------|---------|-------|-------|-------|
| DP-PSP145/65/150  | 3.78   | 3.58   |      |      |      |      |      |      |      |      |      | 3.58  | 9.16    | 6.49  | 7.69  | 9.16  |
| DP-PSP145/65/200  | 5.03   | 4.73   |      |      |      |      |      |      |      |      |      | 4.73  | 15.31   | 11.08 | 12.69 | 15.31 |
| DP-PSP175/65/150  | 4.13   | 4.69   |      |      |      |      |      |      |      |      |      | 4.69  | 11.78   | 7.37  | 8.86  | 11.70 |
| DP-PSP175/65/200  | 5.49   | 6.20   |      |      |      |      |      |      |      |      |      | 6.20  | 19.71   | 12.53 | 14.52 | 18.48 |
| DP-PSP205/65/150  | 4.47   | 6.81   |      |      |      |      |      |      |      |      |      | 6.81  | 14.59   | 7.98  | 9.76  | 13.19 |
| DP-PSP205/65/200  | 5.95   | 9.01   | 0.88 | 0.76 |      |      |      |      |      |      |      | 9.01  | 24.45   | 13.48 | 15.87 | 20.64 |
| DP-PSP235/65/150  | 4.81   | 8.27   | 0.81 | 0.69 |      |      |      |      |      |      |      | 8.27  | 17.61   | 9.49  | 11.56 | 15.59 |
| DP-PSP235/65/200  | 6.42   | 10.95  | 1.07 | 0.92 | 0.81 | 0.72 |      |      |      |      |      | 10.95 | 29.53   | 16.05 | 18.82 | 24.41 |
| DP-PSP265/65/150  | 5.16   | 11.02  | 1.08 | 0.93 | 0.81 | 0.72 |      |      |      |      |      | 11.02 | 20.81   | 10.20 | 12.57 | 17.19 |
| DP-PSP265/65/200  | 6.88   | 14.61  | 1.43 | 1.23 | 1.07 | 0.95 | 0.86 | 0.78 | 0.72 |      |      | 14.61 | 34.93   | 17.20 | 20.36 | 26.75 |
| DP-PSP300/65/150  | 5.56   | 14.86  | 1.46 | 1.25 | 1.09 | 0.97 | 0.87 | 0.79 | 0.73 |      |      | 14.86 | 24.79   | 11.30 | 13.99 | 19.31 |
| DP-PSP300/65/200  | 7.42   | 19.72  | 1.93 | 1.66 | 1.45 | 1.29 | 1.16 | 1.05 | 0.97 | 0.89 | 0.83 | 19.72 | 41.63   | 19.01 | 22.61 | 29.94 |
| DP-PSP325/65/150  | 5.85   | 18.05  | 1.77 | 1.52 | 1.33 | 1.18 | 1.06 | 0.97 | 0.88 | 0.82 | 0.76 | 18.05 | 27.79   | 11.77 | 14.70 | 20.51 |
| DP-PSP325/65/200  | 7.80   | 23.95  | 2.35 | 2.01 | 1.76 | 1.57 | 1.41 | 1.28 | 1.17 | 1.08 | 1.01 | 23.95 | 46.69   | 19.76 | 23.67 | 31.67 |
|                   |        |        |      |      |      |      |      | #N/A |      |      |      |       |         |       |       |       |

Prosigma + Sleeved Span Rail Load Tables S390Span = 9.0

| Section Reference | Weight | U.D.L. | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | Defl. | Gravity | 0     | 1     | 2     |
|-------------------|--------|--------|------|------|------|------|------|------|------|------|------|-------|---------|-------|-------|-------|
| DP-PSP145/65/150  | 3.78   | 3.19   |      |      |      |      |      |      |      |      |      | 3.19  | 8.65    | 6.03  | 7.05  | 8.65  |
| DP-PSP145/65/200  | 5.03   | 4.22   |      |      |      |      |      |      |      |      |      | 4.22  | 14.46   | 10.33 | 11.70 | 14.42 |
| DP-PSP175/65/150  | 4.13   | 4.18   |      |      |      |      |      |      |      |      |      | 4.18  | 11.12   | 6.83  | 8.11  | 10.58 |
| DP-PSP175/65/200  | 5.49   | 5.53   |      |      |      |      |      |      |      |      |      | 5.53  | 18.62   | 11.66 | 13.36 | 16.78 |
| DP-PSP205/65/150  | 4.47   | 6.07   |      |      |      |      |      |      |      |      |      | 6.07  | 13.78   | 7.38  | 8.90  | 11.88 |
| DP-PSP205/65/200  | 5.95   | 8.04   | 0.74 |      |      |      |      |      |      |      |      | 8.04  | 23.10   | 12.53 | 14.56 | 18.67 |
| DP-PSP235/65/150  | 4.81   | 7.38   | 0.68 |      |      |      |      |      |      |      |      | 7.38  | 16.63   | 8.78  | 10.55 | 14.05 |
| DP-PSP235/65/200  | 6.42   | 9.77   | 0.90 | 0.78 |      |      |      |      |      |      |      | 9.77  | 27.89   | 14.92 | 17.28 | 22.09 |
| DP-PSP265/65/150  | 5.16   | 9.83   | 0.91 | 0.78 | 0.68 |      |      |      |      |      |      | 9.83  | 19.66   | 9.44  | 11.45 | 15.45 |
| DP-PSP265/65/200  | 6.88   | 13.03  | 1.21 | 1.03 | 0.91 | 0.80 | 0.72 |      |      |      |      | 13.03 | 32.99   | 15.98 | 18.67 | 24.16 |
| DP-PSP300/65/150  | 5.56   | 13.26  | 1.23 | 1.05 | 0.92 | 0.82 | 0.74 |      |      |      |      | 13.26 | 23.41   | 10.44 | 12.74 | 17.33 |
| DP-PSP300/65/200  | 7.42   | 17.59  | 1.63 | 1.40 | 1.22 | 1.09 | 0.98 | 0.89 | 0.81 | 0.75 | 0.70 | 17.59 | 39.32   | 17.65 | 20.71 | 27.00 |
| DP-PSP325/65/150  | 5.85   | 16.10  | 1.49 | 1.28 | 1.12 | 0.99 | 0.89 | 0.81 | 0.75 | 0.69 |      | 16.10 | 26.24   | 10.86 | 13.36 | 18.38 |
| DP-PSP325/65/200  | 7.80   | 21.36  | 1.98 | 1.70 | 1.48 | 1.32 | 1.19 | 1.08 | 0.99 | 0.91 | 0.85 | 21.36 | 44.09   | 18.33 | 21.66 | 28.52 |