# Recommended Strut for Suspension
# EDITION 3: JULY 20th 2025
# CONCENTRATED/POINT LOADS (TYPICALLY EQUIPMENT SUSPENSION)

Notes:

1. Model numbers and loads are based on Sasco and Unistrut – 1-5/8" wide. If an alternative strut is used a full review may be required. Details to be provided to Capital Seismic & Engineering Ltd before installation.
2. All strut to be 12 gauge as per models below (with the exception of S7)
3. The tables below assumes slotted. A small increase in loading is permissible with solid strut. Contact Capital Seismic & Engineering Ltd for further information/review.
4. Loads listed at the maximum per strut.
5. Connections to the structure must be confirmed to be capable of the required loads.
6. These values are a guide only and an engineering review is always recommended to prevent potential harm to occupants/equipment.

| SASCO | Unistrut | Depth | Allowable load per strut (lb) with maximum spans noted below | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (") | 2ft | 3ft | 4ft | 5ft | 6ft | 7ft | 8ft | 9ft | 10ft | 12ft |
| S9BB | P5001 | 6-1/2 | 2250 | 2150 | 2150 | 2150 | 2150 | 1900 | 1700 | 1500 | 1300 | 1100 |
| S1BB | P5501 | 4 – 14/16 | 1650 | 1650 | 1650 | 1650 | 1350 | 1150 | 1000 | 900 | 800 | 650 |
| S2BB | P100A | 3-1/4 | 1100 | 1100 | 1000 | 800 | 700 | 550 | 500 | 400 | 350 | 300 |
| S1 | P5500 | 2-7/16 | 1400 | 900 | 700 | 550 | 450 | 350 | 300 | 300 | 250 | 200 |
| S2 | P1000 | 1-5/8 | 700 | 450 | 350 | 250 | 200 | 200 | 150 | 150 | 100 | 100 |
| S8 | P3000 | 1-3/8 | 550 | 350 | 250 | 200 | 150 | 150 | 100 | 100 | 100 | 50 |
| S5 | P4400 | 1 | 300 | 200 | 150 | 100 | 100 | 50 | 50 | 50 | 50 | 0 |
| S7 | P4100 | 13/16 | 150 | 100 | 50 | 50 | 50 | 50 | 0 | 0 | 0 | 0 |

| SASCO | Unistrut | Depth | Allowable load per strut (kg) with maximum spans noted below in metres | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (mm) | 0.6 | 0.9 | 1.2 | 1.5 | 1.825 | 2.125 | 2.425 | 2.725 | 3.025 | 3.65 |
| S9BB | P5001 | 165 | 1000 | 975 | 975 | 975 | 975 | 875 | 750 | 675 | 600 | 500 |
| S1BB | P5501 | 124 | 750 | 750 | 750 | 725 | 600 | 525 | 450 | 400 | 350 | 300 |
| S2BB | P100A | 83 | 500 | 500 | 450 | 350 | 325 | 250 | 225 | 200 | 175 | 125 |
| S1 | P5500 | 62 | 625 | 425 | 300 | 250 | 200 | 175 | 150 | 125 | 100 | 100 |
| S2 | P1000 | 42 | 325 | 200 | 150 | 125 | 100 | 75 | 75 | 50 | 50 | 50 |
| S8 | P3000 | 35 | 250 | 150 | 125 | 75 | 75 | 50 | 50 | 50 | 25 | 25 |
| S5 | P4400 | 25 | 125 | 75 | 50 | 50 | 25 | 25 | 25 | 25 | 25 | 0 |
| S7 | P4100 | 21 | 75 | 50 | 25 | 25 | 25 | 0 | 0 | 0 | 0 | 0 |

Contact Capital Seismic & Engineering Ltd if the application does not fit within the above parameters and we can provide a more detailed review.

# Recommended Strut for Suspension
# EDITION 3: JULY 20th 2025
# DISTRIBUTED LOADS (TYPICALLY PIPING/CONDUIT SUSPENSION)

Notes:

1. Model numbers and loads are based on Sasco and Unistrut – 1-5/8" wide. If an alternative strut is used a full review may be required. Details to be provided to Capital Seismic & Engineering Ltd before installation.
2. All strut to be 12 gauge as per models below (with the exception of S7)
3. The tables below assumes slotted. A small increase in loading is permissible with solid strut. Contact Capital Seismic & Engineering Ltd for further information/review.
4. Loads listed at the maximum per strut.
5. Connections to the structure must be confirmed to be capable of the required loads.
6. These values are a guide only and an engineering review is always recommended to prevent potential harm to occupants/equipment.

| SASCO | Unistrut | Depth | Allowable load per strut (lb) with maximum spans noted below | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (") | 2ft | 3ft | 4ft | 5ft | 6ft | 7ft | 8ft | 9ft | 10ft | 12ft |
| S9BB | P5001 | 6-1/2 | 3600 | 3500 | 3500 | 3500 | 3500 | 3100 | 2700 | 2400 | 2150 | 1750 |
| S1BB | P5501 | 4 – 14/16 | 2650 | 2650 | 2650 | 2600 | 2150 | 1850 | 1600 | 1400 | 1250 | 1050 |
| S2BB | P100A | 3-1/4 | 1750 | 1750 | 1600 | 1300 | 1150 | 900 | 800 | 700 | 600 | 500 |
| S1 | P5500 | 2-7/16 | 2250 | 1450 | 1100 | 850 | 700 | 600 | 550 | 450 | 400 | 350 |
| S2 | P1000 | 1-5/8 | 1150 | 750 | 550 | 450 | 350 | 300 | 250 | 200 | 200 | 150 |
| S8 | P3000 | 1-3/8 | 850 | 550 | 400 | 350 | 250 | 200 | 200 | 150 | 150 | 100 |
| S5 | P4400 | 1 | 500 | 350 | 250 | 200 | 150 | 100 | 100 | 100 | 50 | 50 |
| S7 | P4100 | 13/16 | 300 | 200 | 150 | 100 | 100 | 50 | 50 | 0 | 0 | 0 |

| SASCO | Unistrut | Depth | Allowable load per strut (kg) with maximum spans noted below in metres | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (mm) | 0.6 | 0.9 | 1.2 | 1.5 | 1.825 | 2.125 | 2.425 | 2.725 | 3.025 | 3.65 |
| S9BB | P5001 | 165 | 1625 | 1575 | 1575 | 1575 | 1575 | 1400 | 1225 | 1075 | 975 | 800 |
| S1BB | P5501 | 124 | 1200 | 1200 | 1200 | 1175 | 975 | 825 | 725 | 650 | 575 | 475 |
| S2BB | P100A | 83 | 800 | 800 | 725 | 575 | 525 | 400 | 350 | 300 | 275 | 225 |
| S1 | P5500 | 62 | 1000 | 675 | 500 | 400 | 325 | 275 | 225 | 200 | 175 | 150 |
| S2 | P1000 | 42 | 525 | 350 | 250 | 200 | 150 | 125 | 125 | 100 | 100 | 75 |
| S8 | P3000 | 35 | 400 | 250 | 200 | 150 | 125 | 100 | 75 | 75 | 75 | 50 |
| S5 | P4400 | 25 | 225 | 150 | 100 | 75 | 75 | 50 | 50 | 25 | 25 | 25 |
| S7 | P4100 | 21 | 125 | 75 | 50 | 50 | 25 | 25 | 25 | 0 | 0 | 0 |

Contact Capital Seismic & Engineering Ltd if the application does not fit within the above parameters and we can provide a more detailed review.