

Recommended Strut for Suspension

EDITION 2: MARCH 31st 2025

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.
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. Allowable loads may be increased if distributed uniformly (below assumes concentrated).
6. Connections to the structure must be confirmed to be capable of the required loads.

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

SASCO	Unistrut	Depth (mm)	Allowable load per strut (kg) with maximum spans noted below in metres									
			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

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