

Viribeam Coated Purlin S390 Section Properties

Span (m)	Section	# of Anti Sag Bars	Weight (kg/m)	Ultimate total UDL kN		load (kN) to reach deflection limit (L/180)
				Gravity	Suction	
4.50	S145065150-S390	0	3.47	13.05	14.30	14.21
	S145065200-S390	0	4.61	19.25	21.50	19.43
	S175065150-S390	0	3.81	16.20	16.90	21.60
	S175065200-S390	0	5.07	24.50	25.40	29.89
	S205065150-S390	0	4.16	19.30	17.10	30.64
	S205065200-S390	0	5.53	29.50	25.70	43.00
5.00	S145065150-S390	0	3.47	12.10	12.80	11.60
	S145065200-S390	0	4.61	17.60	19.30	15.80
	S175065150-S390	0	3.81	14.80	14.90	17.60
	S175065150-S390	0	5.07	22.20	22.60	24.33
	S205065150-S390	0	4.16	17.50	15.30	25.16
	S205065200-S390	0	5.53	26.30	23.50	34.90
6.00	S145065150-S390	0	3.47	10.80	10.50	8.15
	S145065150-S390	0	4.61	15.30	15.80	11.07
	S175065150-S390	0	3.81	12.80	12.20	12.47
	S175065200-S390	0	5.07	18.75	18.55	17.08
	S205065150-S390	0	4.16	14.80	12.80	17.08
	S205065200-S390	0	5.53	21.85	19.70	24.60
7.00	S175065150-S390	1	3.81	12.95	11.10	9.25
	S175065200-S390	1	5.07	19.35	16.90	12.65
	S205065150-S390	1	4.16	15.35	12.25	13.25
	S205065200-S390	1	5.53	23.20	18.75	18.25
8.0	S175065150-S390	2	3.81	12.30	10.80	7.15
	S175065200-S390	2	5.07	18.40	16.25	9.72
	S205065150-S390	2	4.16	14.65	12.45	10.25
	S205065200-S390	2	5.53	22.20	18.90	14.10
9.0	S205065150-S390	2	4.16	11.90	10.40	8.17
	S205065200-S390	2	5.53	17.70	15.90	11.13