



R30V

Up to 135% stronger

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R30V

The R30V series truss is a high performance truss which is constructed of mainchords (50x5 mm) and diagonal members in the sides (25x3 mm). On the top and bottom surface it has straight members (25x3 mm top and 48x3 mm bottom). The truss modules makes use of the heavy duty CCS7 coupling system. Due to the straight members in the bottom side, it is possible to suspend loads in the centerline of the truss.

The exceptional strength in relation to the relatively small dimensions of this type of truss makes it the ideal solution for structures where high performance is required.

Technical Specifications - R30V

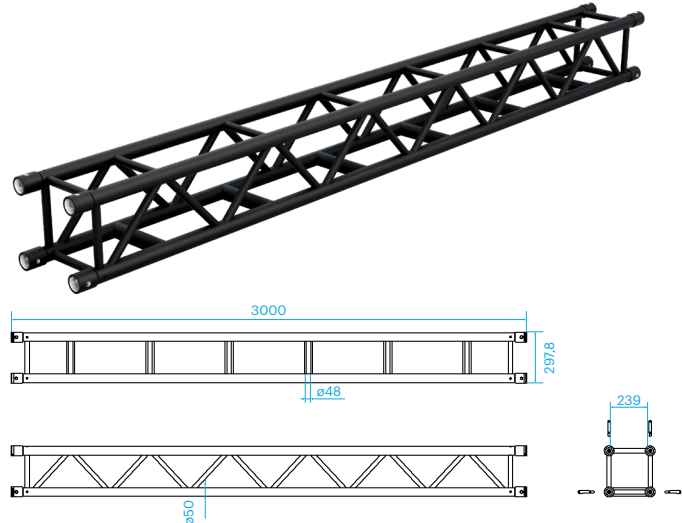
Types	Square (V)
Alloy	EN AW 6082 T6
Main Chords	50x5 mm
Diagonal Members	25x3 mm
Straight Members	48x3/25x3 mm
Coupling System	CCS7

R30V-RS series - standard available lengths and codes

Metres	Feet	Code
1.00	3.28	R30V-L100-RS
1.50	4.92	R30V-L150-RS
2.00	6.56	R30V-L200-RS
2.50	8.2	R30V-L250-RS
3.00	9.84	R30V-L300-RS
4.00	13.12	R30V-L400-RS

Powdercoated mat black textured

Metres	Feet	Code
1.00	3.28	PC-R30V-L100-RS-RAL9005-TXT
1.50	4.92	PC-R30V-L150-RS-RAL9005-TXT
2.00	6.56	PC-R30V-L200-RS-RAL9005-TXT
2.50	8.2	PC-R30V-L250-RS-RAL9005-TXT
3.00	9.84	PC-R30V-L300-RS-RAL9005-TXT
4.00	13.12	PC-R30V-L400-RS-RAL9005-TXT



R30V-RS comparisson UDL & CPL of R30V vs H30V

SPAN		Uniformly Distributed Load				Centre Point Load			
		UDL R30V		UDL H30V		CPL R30V		CPL H30V	
m	ft	kg/m	lbs/ft	kg/m	lbs/ft	kg	lbs	kg/m	lbs/ft
3	9.8	1532.2	1031.0	649.0	436.7	2367.5	5225.0	1667.9	3681.0
4	13.1	1146.5	771.4	485.3	326.5	1930.9	4261.4	1298.1	2864.9
5	16.4	842.6	567.0	387.1	260.5	1627.1	3591.0	1074.2	2370.9
6	19.7	581.9	391.5	321.6	216.4	1403.0	3096.4	914.4	2018.2
7	23.0	424.6	285.7	255.6	172.0	1230.4	2715.5	794.4	1753.2
8	26.2	322.6	217.0	194.4	130.8	1093.0	2412.3	700.6	1546.3
9	29.5	252.6	170.0	152.4	102.5	980.8	2164.6	625.2	1379.9
10	32.8	202.6	136.3	122.3	82.3	887.1	1957.9	563.2	1242.9
11	36.1	165.5	111.4	100.1	67.4	807.6	1782.3	511.0	1127.8
12	39.4	137.4	92.4	83.2	56.0	739.0	1631.0	466.5	1029.6
13	42.6	115.4	77.7	70.1	47.2	679.1	1498.8	428.0	944.6
14	45.9	98.1	66.0	59.6	40.1	626.3	1382.2	394.3	870.2
15	49.2	84.0	56.5	51.2	34.5	579.1	1278.2	364.5	804.3

R30V - Allowable loading

SPAN				DEFLECTION		MAXIMUM ALLOWABLE POINT LOADS										SPAN	
						Centre Point Load		DEFLECTION		Single load third points Load per point		Single load fourth points Load per point		Single load fifth points Load per point			
						CPL	UDL			TPL	QPL	FPL					
m	ft	kg/m	lbs/ft	mm	in	kg	lbs	mm	in	kg	lbs	kg	lbs	kg	lbs	Total weight	
3	9.8	1532.2	1031.0	10	0.4	2367.5	5225.0	8	0.3	1559.5	3441.9	1259.9	2780.5	1070.9	2363.5	11.0	
4	13.1	1146.5	771.4	18	0.7	1930.9	4261.4	15	0.6	1275.2	2814.3	1061.5	2342.7	841.9	1858.2	22.0	
5	16.4	842.6	567.0	28	1.1	1627.1	3591.0	23	0.9	1095.1	2416.9	918.0	2026.1	704.2	1554.2	33.0	
6	19.7	581.9	391.5	41	1.6	1403.0	3096.4	33	1.3	957.9	2114.2	777.8	1716.7	603.9	1332.8	44.0	
7	23.0	424.6	285.7	56	2.2	1230.4	2715.5	45	1.8	849.7	1875.3	673.1	1485.6	527.4	1164.0	55.0	
8	26.2	322.6	217.0	73	2.9	1093.0	2412.3	58	2.3	761.9	1681.6	591.7	1306.0	467.0	1030.7	66.0	
9	29.5	252.6	170.0	92	3.6	980.8	2164.6	74	2.9	689.1	1520.9	526.5	1162.0	418.0	922.5	77.0	
10	32.8	202.6	136.3	114	4.5	887.1	1957.9	91	3.6	627.6	1385.2	472.9	1043.7	377.3	832.7	88.0	
11	36.1	165.5	111.4	137	5.4	807.6	1782.3	110	4.3	574.9	1268.8	428.0	944.5	342.9	756.8	99.0	
12	39.4	137.4	92.4	164	6.5	739.0	1631.0	131	5.2	529.0	1167.6	389.9	859.9	313.4	691.6	110.0	
13	42.6	115.4	77.7	192	7.6	679.1	1498.8	154	6.1	488.7	1078.5	365.5	768.8	287.7	634.9	121.0	
14	45.9	98.1	66.0	223	8.8	626.3	1382.2	178	7.0	452.9	999.5	327.5	722.7	265.0	584.9	132.0	
15	49.2	84.0	56.5	256	10.1	579.1	1278.2	205	8.1	420.7	928.6	301.8	666.1	244.9	540.6	143.0	