

A-14 STRUCTURAL BATTEN

The Vortek® A-14 Structural Batten is designed with flexibility in mind. The A-14 batten is a structural member extruded from 6061 aluminum. The Vortek® A-14 Structural Batten is approximately half the weight and exhibits at least twice the strength of standard 1.5" ID schedule 40 black pipe. Using the structural benefits of the extruded aluminum design, the A-14 batten can be suspended between 20ft. pick centers. The A-14 batten can be used as a scenery batten, or as a backbone in supporting curtain track or pipe when hanging lighting fixtures.

PRODUCT FEATURES

BENEFITS:

1. Batten can be used as a structural backbone in many applications
2. Can be anodized black (additional colors available upon request)
3. Half the weight of 1.5" schedule 40 black pipe (weight per foot)
4. Can be suspended between 20ft. pick centers
5. Molded end caps for safety

APPLICATIONS:

1. Backbone for FOH (front of house) lighting pipes
2. Backbone for HL (house light) lowering system
3. Backbone for architectural lighting
4. Backbone for orchestra shell
5. Backbone for curtain track
6. Backbone for electric's
7. Scenery batten

HARDWARE BRACKETS AVAILABLE FOR:

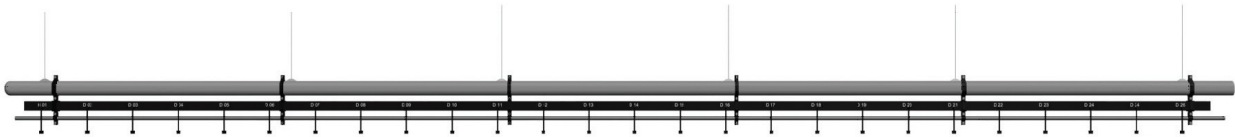
1. Attaching architectural raceway
2. Attaching electrical raceway
3. Attaching lighting pipes
4. Attaching curtain tracks
5. Attaching trusses

A-14 STRUCTURAL BATTEN (CONTINUED)

A-14 as Scenery batten



A-14 as FOH (front of house) batten



A-14 as HL (house light) batten



A-14 STRUCTURAL BATTEN (CONTINUED)

PIPE BATTENS vs. VORTEK A-14 BATTEN LOADING CHART
DISTRIBUTED LOAD

Span	1 1/2" Sched 40 black pipe		Vortek A-14	
	Tot. Load	Deflection	Tot. Load	Deflection
10'	-----	-----	1363*	.786
10'	547*	.685	548	.316
10'	400	.500	400	.231
10'	300	.375	300	.173
10'	200	.250	200	.115
10'	100	.125	100	.058
Span	Tot. Load	Deflection	Tot. Load	Deflection
12.5'	-----	-----	1090*	1.228
12.5'	438*	1.070	438	.494
12.5'	400	.976	400	.451
12.5'	300	.732	300	.338
12.5'	200	.488	200	.225
12.5'	100	.244	100	.113
Span	Tot. Load	Deflection	Tot. Load	Deflection
15'	-----	-----	908*	1.768
15'	365*	1.540	365	.711
15'	400	1.687	400	.779
15'	300	1.265	300	.584
15'	200	.843	200	.389
15'	100	.422	100	.195
Span	Tot. Load	Deflection	Tot. Load	Deflection
20'	-----	-----	681*	3.144
20'	273*	2.738	274	1.265
20'	400	3.998	400	1.847
20'	300	2.999	300	1.385
20'	200	1.999	200	.923
20'	100	1.000	100	.462
	1 1/2" sched 40 blackpipe		Vortek A-14	
LBS/FT	2.72		1.4	

* = equal maximum allowable loading.

i-Batten Safety for Underload—Overload and load profiling available on Pro-Series and Pendant Series.
Specifications and drawings available at www.vortekrigging.com/projectcentral US Patent #6,634,622 and US Patent #6,691,986