



## Line and Riser measurements report for flight test glider

Report number: **PG\_1683.2020**  
 Manufacturer: **Dudek**

Sample name: **V-King ES 16**  
 S/N: **P-197211**

### Total line length include riser and carabiner/connect [mm]

|          |    | A    | B    | C    | D    | E    | Stab | Brakes |
|----------|----|------|------|------|------|------|------|--------|
| Center   | 1  | 5395 | 5379 | 5378 | 5415 | 5476 | 4938 | 5626   |
|          | 2  | 5339 | 5266 | 5264 | 5298 | 5333 | 4846 | 5359   |
|          | 3  | 5320 | 5253 | 5254 | 5281 | 5320 | 4878 | 5252   |
|          | 4  | 5354 | 5330 | 5339 | 5370 | 5433 | 4818 | 5159   |
|          | 5  | 5370 | 5318 | 5361 | 5402 | 5457 | 4884 | 5093   |
|          | 6  | 5296 | 5204 | 5231 | 5269 | 5297 | 4820 | 5119   |
|          | 7  | 5293 | 5239 | 5231 | 5262 | 5292 |      | 5044   |
|          | 8  | 5288 | 5188 | 5234 | 5266 | 5288 |      | 4987   |
|          | 9  | 5288 | 5102 | 5245 | 5275 | 5297 |      | 4946   |
|          | 10 | 5351 | 5053 | 5316 | 5346 | 5366 |      | 4921   |
|          | 11 | 5258 |      | 5211 | 5274 | 5294 |      | 4954   |
|          | 12 | 5181 |      | 5107 | 5195 | 5211 |      |        |
|          | 13 | 5149 |      | 5048 | 5152 |      |      |        |
|          | 14 | 5110 |      |      | 5092 |      |      |        |
| Wing tip | 15 | 5076 |      |      | 5038 |      |      |        |
|          | 16 | 5079 |      |      | 5006 |      |      |        |
|          | 17 |      |      |      |      |      |      |        |
|          | 18 |      |      |      |      |      |      |        |

### Measure total riser length without carabiners/connect [mm]

| Risers  | Std | Acc   |
|---------|-----|-------|
| A       | 482 | 428   |
| A'      | 580 | 525   |
| B       | 485 | 437   |
| C       | 486 | 461   |
| D       | 483 | 483   |
| Acc     | 50  | *[mm] |
| Trimmer | n/a | [mm]  |

\*Travel range (distance between A and rear riser)