

# Line strength calculation DIN EN 926-1:2016-02

|               |                         |        |                   |
|---------------|-------------------------|--------|-------------------|
| Model:        | <b>Bolero 6</b>         | Sizes: | <b>XXS to XL</b>  |
| Manufacturer: | <b>Gin Gliders Inc.</b> | Date:  | <b>02.05.2017</b> |



# G I N

| Line         | Line type | Break force after test | Number of lines | Level 1 | Level 2 | Level 3 | Level 4 | Level 1 | Level 2 | Level 3 | Level 4 |
|--------------|-----------|------------------------|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Upper</b> |           |                        |                 |         |         |         |         |         |         |         |         |
| a1           | TGL080    | 48,6                   | 2               |         |         | 97,2    |         |         |         | X       |         |
| a2           | TGL080    | 48,6                   | 2               |         |         | 97,2    |         |         |         | X       |         |
| a3           | TGL080    | 48,6                   | 2               |         |         | 97,2    |         |         |         | X       |         |
| a4           | TGL080    | 48,6                   | 2               |         |         | 97,2    |         |         |         | X       |         |
| a5           | TGL080    | 48,6                   | 2               |         |         | 97,2    |         |         |         | X       |         |
| a6           | TGL080    | 48,6                   | 2               |         |         | 97,2    |         |         |         | X       |         |
| a7           | TGL080    | 48,6                   | 2               |         |         | 97,2    |         |         |         | X       |         |
| a8           | TGL080    | 48,6                   | 2               |         |         | 97,2    |         |         |         | X       |         |
| a9           | TGL080    | 48,6                   | 2               |         |         | 97,2    |         |         |         | X       |         |
| a10          | TGL080    | 48,6                   | 2               |         |         | 97,2    |         |         |         | X       |         |
| a11          | TGL080    | 48,6                   | 2               |         |         | 97,2    |         |         |         | X       |         |
| a12          | TGL080    | 48,6                   | 2               |         |         | 97,2    |         |         |         | X       |         |
| a13          | TGL080    | 48,6                   | 2               |         |         | 97,2    |         |         |         | X       |         |
| a14          | TGL080    | 48,6                   | 2               |         |         | 97,2    |         |         |         | X       |         |
| a15          | TGL080    | 48,6                   | 2               |         |         | 97,2    |         |         |         | X       |         |
| a16          |           |                        | 2               |         |         |         |         |         |         |         |         |
| a17          |           |                        | 2               |         |         |         |         |         |         |         |         |
| a18          |           |                        | 2               |         |         |         |         |         |         |         |         |
| a19          |           |                        | 2               |         |         |         |         |         |         |         |         |
| a20          |           |                        | 2               |         |         |         |         |         |         |         |         |
| a21          |           |                        | 2               |         |         |         |         |         |         |         |         |
| a22          |           |                        | 2               |         |         |         |         |         |         |         |         |
| a23          |           |                        | 2               |         |         |         |         |         |         |         |         |
| a24          |           |                        | 2               |         |         |         |         |         |         |         |         |
| a25          |           |                        | 2               |         |         |         |         |         |         |         |         |

|                 |        |      |   |  |       |  |  |  |   |  |  |
|-----------------|--------|------|---|--|-------|--|--|--|---|--|--|
| <b>High mid</b> |        |      |   |  |       |  |  |  |   |  |  |
| A1              | TGL145 | 85,5 | 2 |  | 171   |  |  |  | X |  |  |
| A2              | TGL145 | 85,5 | 2 |  | 171   |  |  |  | X |  |  |
| A3              | TGL125 | 75,4 | 2 |  | 150,8 |  |  |  | X |  |  |
| A4              | TGL125 | 75,4 | 2 |  | 150,8 |  |  |  | X |  |  |
| A5              | TGL125 | 75,4 | 2 |  | 150,8 |  |  |  | X |  |  |
| A6              | TGL125 | 75,4 | 2 |  | 150,8 |  |  |  | X |  |  |
| A7              | TGL125 | 75,4 | 2 |  | 150,8 |  |  |  | X |  |  |
| A8              |        |      | 2 |  |       |  |  |  |   |  |  |
| A9              |        |      | 2 |  |       |  |  |  |   |  |  |
| A10             |        |      | 2 |  |       |  |  |  |   |  |  |
| A11             |        |      | 2 |  |       |  |  |  |   |  |  |
| A12             |        |      | 2 |  |       |  |  |  |   |  |  |
| A13             |        |      | 2 |  |       |  |  |  |   |  |  |
| A14             |        |      | 2 |  |       |  |  |  |   |  |  |
| A15             |        |      | 2 |  |       |  |  |  |   |  |  |

|                |  |  |   |  |  |  |  |  |  |  |  |
|----------------|--|--|---|--|--|--|--|--|--|--|--|
| <b>Low mid</b> |  |  |   |  |  |  |  |  |  |  |  |
| A1             |  |  | 2 |  |  |  |  |  |  |  |  |
| A2             |  |  | 2 |  |  |  |  |  |  |  |  |
| A3             |  |  | 2 |  |  |  |  |  |  |  |  |
| A4             |  |  | 2 |  |  |  |  |  |  |  |  |
| A5             |  |  | 2 |  |  |  |  |  |  |  |  |
| A6             |  |  | 2 |  |  |  |  |  |  |  |  |
| A7             |  |  | 2 |  |  |  |  |  |  |  |  |
| A8             |  |  | 2 |  |  |  |  |  |  |  |  |
| A9             |  |  | 2 |  |  |  |  |  |  |  |  |
| A10            |  |  | 2 |  |  |  |  |  |  |  |  |

## Main

|      |        |       |   |       |  |  |  |   |  |  |  |
|------|--------|-------|---|-------|--|--|--|---|--|--|--|
| AI   | TGL220 | 117,0 | 2 | 234   |  |  |  | X |  |  |  |
| AII  | TGL220 | 117,0 | 2 | 234   |  |  |  | X |  |  |  |
| AIII | TGL180 | 115,3 | 2 | 230,6 |  |  |  | X |  |  |  |
| AIV  |        |       | 2 |       |  |  |  |   |  |  |  |

## Upper

|    |        |      |   |  |  |      |  |  |  |   |  |
|----|--------|------|---|--|--|------|--|--|--|---|--|
| b1 | TGL080 | 48,6 | 2 |  |  | 97,2 |  |  |  | X |  |
| b2 | TGL080 | 48,6 | 2 |  |  | 97,2 |  |  |  | X |  |
| b3 | TGL080 | 48,6 | 2 |  |  | 97,2 |  |  |  | X |  |
| b4 | TGL080 | 48,6 | 2 |  |  | 97,2 |  |  |  | X |  |
| b5 | TGL080 | 48,6 | 2 |  |  | 97,2 |  |  |  | X |  |

**B**

**A**

[illegible][illegible]

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|---|--|--|--|
| X |  |  |  |
| X |  |  |  |
| X |  |  |  |
| X |  |  |  |

[illegible]

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[illegible][illegible]

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|---|--|--|--|
| X |  |  |  |
| X |  |  |  |
| X |  |  |  |
|   |  |  |  |

[illegible][illegible]



|      |
|------|
| EI   |
| EII  |
| EIII |
| EIV  |

|  |   |  |  |  |  |
|--|---|--|--|--|--|
|  | 2 |  |  |  |  |
|  | 2 |  |  |  |  |
|  | 2 |  |  |  |  |
|  | 2 |  |  |  |  |

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Enter the max Load [kg]

135,0

| Fbreak L1 | Fbreak L2 | Fbreak L3 | Fbreak L4 |
|-----------|-----------|-----------|-----------|
| 2246,6    | 3288      | 6220,8    |           |
| Wmax L1   | Wmax L2   | Wmax L3   | Wmax L4   |
| 163,6     | 239,4     | 452,9     |           |

|         | Brake  |       |    |       |       |       |  |   |
|---------|--------|-------|----|-------|-------|-------|--|---|
| level 1 | TGL280 | 157,6 | 2  | 315,2 |       |       |  | X |
| level 2 | TGL080 | 48,6  | 6  |       | 291,6 |       |  | X |
| level 3 | TGL080 | 48,6  | 12 |       |       | 583,2 |  | X |
| level 4 |        |       | 26 |       |       |       |  |   |

| Fbreak L1 | Fbreak L2 | Fbreak L3 | Fbreak L4 |
|-----------|-----------|-----------|-----------|
| 315,2     | 291,6     | 583,2     |           |

Enter the strength of the connection between the handle and the first level of line [daN]

80