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***TWIN 3 RS***

Service- Kontrollheft

Maintenance and Service Book

Contrôle et Feuille de Service

Revision: 1.3

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# Technische Daten - technical data - fiche technique

## TWIN 3 RS

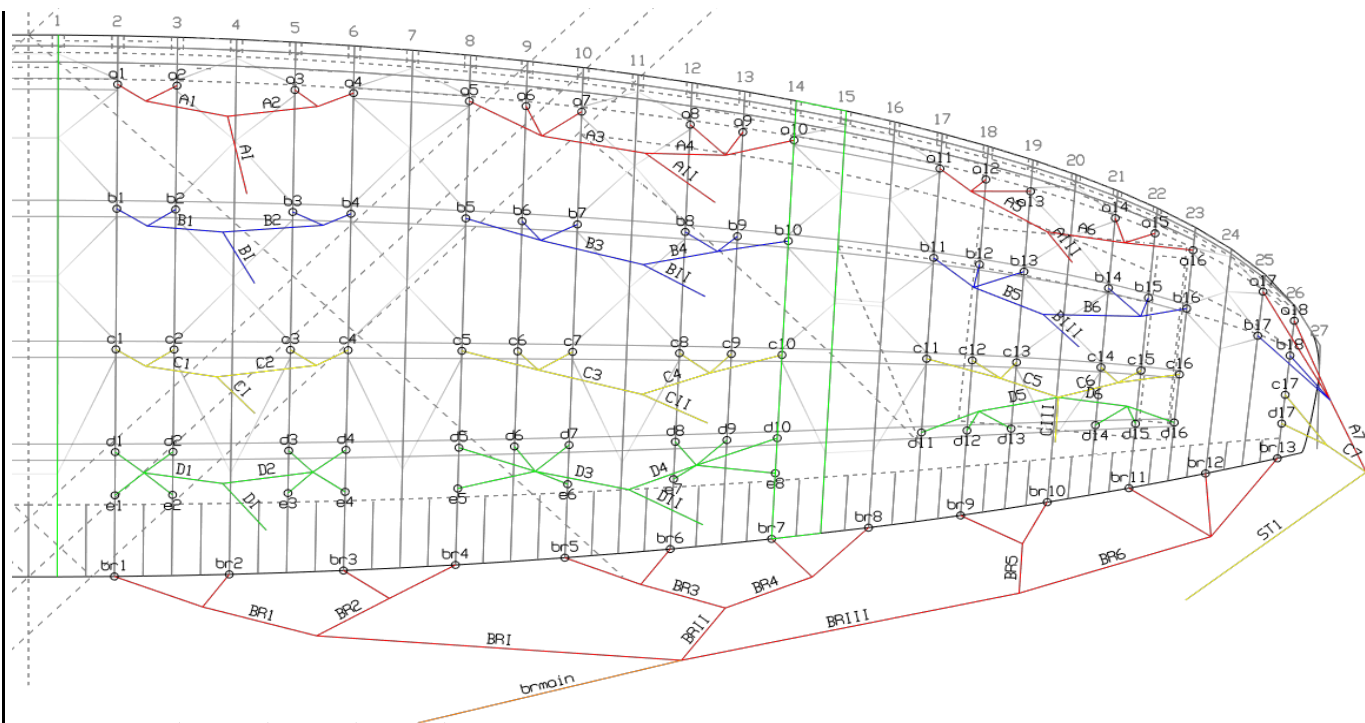
LTF / EN Homologation

**LTF / EN Klassifizierung**

**B**

homologation LTF / EN

|                                                                                                    |           |           |
|----------------------------------------------------------------------------------------------------|-----------|-----------|
| Size<br><b>Größe</b><br>Taille                                                                     | 39        | 42        |
| Take off weight certified<br><b>Startgewicht [kg] zulässig</b><br>poids de décollage certifié      | 110 - 200 | 130 - 230 |
| Take off weight recommended<br><b>Startgewicht [kg] empfohlen</b><br>poids de décollage recommandé | 120 - 195 | 150 - 220 |
| Cells<br><b>Zellen</b><br>Caissons                                                                 | 53        | 53        |
| Wing area<br><b>Flügelfläche [m²]</b><br>Surface                                                   | 39,0      | 42,0      |
| Wing area projected<br><b>Flügelfläche projiziert [m²]</b><br>Surface projetée                     | 33,3      | 35,9      |
| Wing span<br><b>Spannweite [m]</b><br>Envergure                                                    | 14,6      | 15,2      |
| Projected wing span<br><b>Spannweite projiziert [m]</b><br>Envergure projetée                      | 11,6      | 12,1      |
| maximum corde<br><b>Maximale Flügeltiefe [m]</b><br>Corde maximum                                  | 3,4       | 3,5       |
| Aspect ratio<br><b>Streckung</b><br>Allongement                                                    | 5,5       | 5,5       |
| Projected aspect ratio<br><b>Streckung projiziert</b><br>Allongement projetée                      | 4,1       | 4,1       |
| Canopy weight<br><b>Schirmgewicht [kg]</b><br>Poids de l'aile                                      | 7,5       | 7,9       |



| Riser | A-R1    | A-R2 | B                  | C             | D       |
|-------|---------|------|--------------------|---------------|---------|
| Lines | A1, AII | AIII | BI, BII, BIII, STI | CI, CII, CIII | DI, DII |

Beim Bestellen bitte Leinenbezeichnung angeben- When ordering, please use line denomination above

## linelength (mm)

## TWIN 3 RS 39

| Nr | A    | B    | C    | D    | E    | Brake |      | Nr  |
|----|------|------|------|------|------|-------|------|-----|
|    |      |      |      |      |      | min   | max  |     |
| 1  | 8400 | 8335 | 8405 | 8505 | 8555 | 9070  | 9120 | 1   |
| 2  | 8335 | 8265 | 8335 | 8435 | 8485 | 8755  | 8805 | 2   |
| 3  | 8305 | 8235 | 8300 | 8415 | 8465 | 8550  | 8600 | 3   |
| 4  | 8350 | 8275 | 8340 | 8450 | 8495 | 8485  | 8535 | 4   |
| 5  | 8335 | 8265 | 8330 | 8460 | 8505 | 8325  | 8375 | 5   |
| 6  | 8235 | 8160 | 8230 | 8355 | 8345 | 8160  | 8210 | 6   |
| 7  | 8210 | 8135 | 8200 | 8310 | 8315 | 8090  | 8140 | 7   |
| 8  | 8175 | 8105 | 8170 | 8285 | 8300 | 8135  | 8185 | 8   |
| 9  | 8160 | 8095 | 8155 | 8255 |      | 8045  | 8095 | 9   |
| 10 | 8210 | 8150 | 8210 | 8275 |      | 7960  | 8010 | 10  |
| 11 | 8075 | 8025 | 8125 | 8190 |      | 7865  | 7915 | 11  |
| 12 | 7985 | 7945 | 8035 | 8100 |      | 7795  | 7845 | 12  |
| 13 | 7945 | 7915 | 7985 | 8045 |      | 7770  | 7820 | 13  |
| 14 | 7855 | 7835 | 7885 | 7935 |      |       |      | 14  |
| 15 | 7820 | 7805 | 7840 | 7885 |      |       |      | 15  |
| 16 | 7835 | 7820 | 7830 | 7875 |      |       |      | 16  |
| 17 | 7580 | 7525 | 7500 | 7560 |      |       |      | 17  |
| 18 | 7450 | 7450 |      |      |      |       |      | 18  |
| 19 |      |      |      |      |      |       |      | 19  |
| 20 |      |      |      |      |      |       |      | 20  |
|    |      |      |      |      |      |       |      |     |
|    |      |      |      |      |      |       |      |     |
|    |      |      |      |      |      |       |      |     |
|    |      |      |      |      |      |       |      |     |
|    |      |      |      |      |      |       |      |     |
| S1 |      |      |      |      |      | 2975  | 3025 | BrM |
| S2 |      |      |      |      |      |       |      |     |
| S3 |      |      |      |      |      |       |      |     |
|    |      |      |      |      |      |       |      |     |

Zum Beispiel: For example: Par exemple:

**A1** A Leine Mitte - inner A Line - A la plus intérieur

**D17** D Leine aussen - outer D line - D extérieur

**Br.** Brakelinelength range

all brake linelength from knote to canopy

all rigging linelength including riser

# single linelength (mm)

# TWIN 3 RS 39

| Nr   | Length (mm) | Articel No. | Nr   | Length (mm) | Articel No. | Nr   | Length (mm) | Articel No. | Nr    | Length (mm) | Articel No. | Nr   | Length (mm) | Articel No. |
|------|-------------|-------------|------|-------------|-------------|------|-------------|-------------|-------|-------------|-------------|------|-------------|-------------|
| a1   | 730         | 6480-90     | b1   | 665         | 6480-90     | c1   | 735         | 6480-90     | d1    | 835         | 6480-90     | e1   | 885         | 6480-90     |
| a2   | 665         | 6480-90     | b2   | 595         | 6480-90     | c2   | 665         | 6480-90     | d2    | 765         | 6480-90     | e2   | 815         | 6480-90     |
| a3   | 635         | 6480-90     | b3   | 565         | 6480-90     | c3   | 630         | 6480-90     | d3    | 745         | 6480-90     | e3   | 795         | 6480-90     |
| a4   | 680         | 6480-90     | b4   | 605         | 6480-90     | c4   | 670         | 6480-90     | d4    | 780         | 6480-90     | e4   | 825         | 6480-90     |
| a5   | 1215        | 6480-90     | b5   | 1145        | 6480-90     | c5   | 1210        | 6480-90     | d5    | 1340        | 6480-90     | e5   | 1385        | 6480-90     |
| a6   | 1115        | 6480-90     | b6   | 1040        | 6480-90     | c6   | 1110        | 6480-90     | d6    | 1235        | 6480-90     | e6   | 1225        | 6480-90     |
| a7   | 1090        | 6480-90     | b7   | 1015        | 6480-90     | c7   | 1080        | 6480-90     | d7    | 1190        | 6480-90     | e7   | 1195        | 6480-90     |
| a8   | 1055        | 6480-90     | b8   | 985         | 6480-90     | c8   | 1050        | 6480-90     | d8    | 1165        | 6480-90     | e8   | 1180        | 6480-90     |
| a9   | 1040        | 6480-90     | b9   | 975         | 6480-90     | c9   | 1035        | 6480-90     | d9    | 1135        | 6480-90     |      |             |             |
| a10  | 1090        | 6480-90     | b10  | 1030        | 6480-90     | c10  | 1090        | 6480-90     | d10   | 1155        | 6480-90     | br1  | 1435        | 6480-90     |
| a11  | 1100        | 6480-90     | b11  | 1050        | 6480-90     | c11  | 1155        | 6480-90     | d11   | 1220        | 6480-90     | br2  | 1120        | 6480-90     |
| a12  | 1010        | 6480-90     | b12  | 970         | 6480-90     | c12  | 1065        | 6480-90     | d12   | 1130        | 6480-90     | br3  | 1345        | 6480-90     |
| a13  | 970         | 6480-90     | b13  | 940         | 6480-90     | c13  | 1015        | 6480-90     | d13   | 1075        | 6480-90     | br4  | 1280        | 6480-90     |
| a14  | 930         | 6480-90     | b14  | 910         | 6480-90     | c14  | 965         | 6480-90     | d14   | 1015        | 6480-90     | br5  | 1240        | 6480-90     |
| a15  | 895         | 6480-90     | b15  | 880         | 6480-90     | c15  | 920         | 6480-90     | d15   | 965         | 6480-90     | br6  | 1075        | 6480-90     |
| a16  | 910         | 6480-90     | b16  | 895         | 6480-90     | c16  | 910         | 6480-90     | d16   | 955         | 6480-90     | br7  | 1085        | 6480-90     |
| a17  | 775         | 6480-90     | b17  | 720         | 6480-90     | c17  | 375         | 6480-90     | d17   | 435         | 6480-90     | br8  | 1130        | 6480-90     |
| a18  | 645         | 6480-90     | b18  | 645         | 6480-90     |      |             |             |       |             |             | br9  | 1060        | 6480-90     |
|      |             |             |      |             |             | C1   | 1550        | 7343-230    | D1    | 1550        | 7343-140    | br10 | 975         | 6480-90     |
| A1   | 1550        | 7343-230    | B1   | 1550        | 7343-230    | C2   | 1550        | 7343-230    | D2    | 1550        | 7343-140    | br11 | 1580        | 6480-90     |
| A2   | 1550        | 7343-230    | B2   | 1550        | 7343-230    | C3   | 1550        | 7343-230    | D3    | 1550        | 7343-140    | br12 | 1510        | 6480-90     |
| A3   | 1550        | 7343-230    | B3   | 1550        | 7343-230    | C4   | 1550        | 7343-230    | D4    | 1550        | 7343-140    | br13 | 1485        | 6480-90     |
| A4   | 1550        | 7343-230    | B4   | 1550        | 7343-230    | C5   | 1000        | 7343-140    | D5    | 1000        | 7343-140    |      |             |             |
| A5   | 1000        | 7343-140    | B5   | 1000        | 7343-140    | C6   | 950         | 7343-140    | D6    | 950         | 7343-140    | BR1  | 1550        | 6480-90     |
| A6   | 950         | 7343-140    | B6   | 950         | 7343-140    | C7   | 700         | 7343-140    |       |             |             | BR2  | 1120        | 6480-90     |
| A7   | 380         | 7343-140    |      |             |             |      |             |             |       |             |             | BR3  | 1200        | 6480-90     |
|      |             |             |      | 5740        |             | CI   | 5750        | 7343-420    | DI    | 5750        | 7343-230    | BR4  | 1120        | 6480-90     |
| AI   | 5740        | 7343-420    | BI   | 5190        | 7343-420    | CII  | 5200        | 7343-420    | DII   | 5200        | 7343-230    | BR5  | 1200        | 6480-90     |
| AII  | 5190        | 7343-420    | BII  | 5600        | 7343-420    | CIII | 5600        | 7343-230    |       |             |             | BR6  | 500         | 6480-90     |
| AIII | 5600        | 7343-230    | BIII | 5900        | 7343-230    |      |             |             | BRI   | 3250        | 7343-140    |      |             |             |
|      |             |             |      |             |             |      |             |             | BRII  | 3050        | 7343-140    |      |             |             |
|      |             |             | ST1  | 6050        | 7343-140    |      |             |             | BRIII | 2950        | 7343-140    | BrM  | 2800        | 10/N-200    |

## linelength (mm)

## TWIN 3 RS 42

| Nr | A    | B    | C    | D    | E    | Brake |      | Nr  |
|----|------|------|------|------|------|-------|------|-----|
|    |      |      |      |      |      | min   | max  |     |
| 1  | 8715 | 8625 | 8710 | 8805 | 8875 | 9400  | 9450 | 1   |
| 2  | 8640 | 8550 | 8635 | 8725 | 8800 | 9115  | 9165 | 2   |
| 3  | 8615 | 8520 | 8605 | 8705 | 8785 | 8935  | 8985 | 3   |
| 4  | 8670 | 8580 | 8655 | 8760 | 8830 | 8865  | 8915 | 4   |
| 5  | 8665 | 8575 | 8655 | 8770 | 8825 | 8670  | 8720 | 5   |
| 6  | 8555 | 8470 | 8550 | 8660 | 8660 | 8520  | 8570 | 6   |
| 7  | 8520 | 8435 | 8510 | 8610 | 8630 | 8450  | 8500 | 7   |
| 8  | 8485 | 8405 | 8480 | 8575 | 8630 | 8490  | 8540 | 8   |
| 9  | 8480 | 8405 | 8480 | 8555 |      | 8430  | 8480 | 9   |
| 10 | 8540 | 8470 | 8540 | 8590 |      | 8315  | 8365 | 10  |
| 11 | 8385 | 8330 | 8415 | 8490 |      | 8225  | 8275 | 11  |
| 12 | 8295 | 8245 | 8325 | 8400 |      | 8150  | 8200 | 12  |
| 13 | 8250 | 8215 | 8275 | 8345 |      | 8135  | 8185 | 13  |
| 14 | 8155 | 8130 | 8170 | 8230 |      |       |      | 14  |
| 15 | 8115 | 8095 | 8120 | 8170 |      |       |      | 15  |
| 16 | 8130 | 8115 | 8115 | 8175 |      |       |      | 16  |
| 17 | 7895 | 7820 | 7785 | 7870 |      |       |      | 17  |
| 18 | 7760 | 7740 |      |      |      |       |      | 18  |
| 19 |      |      |      |      |      |       |      | 19  |
| 20 |      |      |      |      |      |       |      | 20  |
|    |      |      |      |      |      |       |      |     |
|    |      |      |      |      |      |       |      |     |
|    |      |      |      |      |      |       |      |     |
|    |      |      |      |      |      |       |      |     |
|    |      |      |      |      |      |       |      |     |
| S1 |      |      |      |      |      | 2975  | 3025 | BrM |
| S2 |      |      |      |      |      |       |      |     |
| S3 |      |      |      |      |      |       |      |     |
|    |      |      |      |      |      |       |      |     |

Zum Beispiel: For example: Par exemple:

**A1** A Leine Mitte - inner A Line - A la plus intérieur

**D17** D Leine aussen - outer D line - D extérieur

**Br.** Brakelinelength range  
all brake linelength from knote to canopy

all rigging linelength including riser

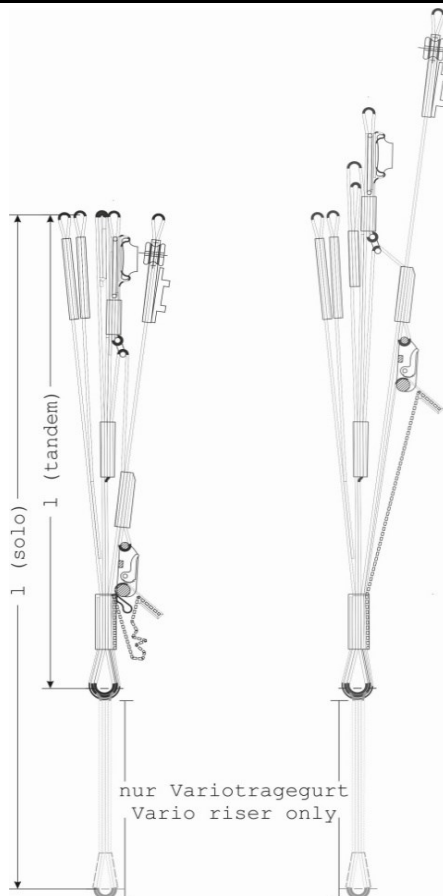
# single linelength (mm)

# TWIN 3 RS 42

| Nr   | Length (mm) | Articel No. | Nr   | Length (mm) | Articel No. | Nr   | Length (mm) | Articel No. | Nr    | Length (mm) | Articel No. | Nr   | Length (mm) | Articel No. |
|------|-------------|-------------|------|-------------|-------------|------|-------------|-------------|-------|-------------|-------------|------|-------------|-------------|
| a1   | 755         | 6480-90     | b1   | 665         | 6480-90     | c1   | 750         | 6480-90     | d1    | 845         | 6480-90     | e1   | 915         | 6480-90     |
| a2   | 680         | 6480-90     | b2   | 590         | 6480-90     | c2   | 675         | 6480-90     | d2    | 765         | 6480-90     | e2   | 840         | 6480-90     |
| a3   | 655         | 6480-90     | b3   | 560         | 6480-90     | c3   | 645         | 6480-90     | d3    | 745         | 6480-90     | e3   | 825         | 6480-90     |
| a4   | 710         | 6480-90     | b4   | 620         | 6480-90     | c4   | 695         | 6480-90     | d4    | 800         | 6480-90     | e4   | 870         | 6480-90     |
| a5   | 1340        | 6480-90     | b5   | 1250        | 6480-90     | c5   | 1330        | 6480-90     | d5    | 1445        | 6480-90     | e5   | 1500        | 6480-90     |
| a6   | 1230        | 6480-90     | b6   | 1145        | 6480-90     | c6   | 1225        | 6480-90     | d6    | 1335        | 6480-90     | e6   | 1335        | 6480-90     |
| a7   | 1195        | 6480-90     | b7   | 1110        | 6480-90     | c7   | 1185        | 6480-90     | d7    | 1285        | 6480-90     | e7   | 1305        | 6480-90     |
| a8   | 1160        | 6480-90     | b8   | 1080        | 6480-90     | c8   | 1155        | 6480-90     | d8    | 1250        | 6480-90     | e8   | 1305        | 6480-90     |
| a9   | 1155        | 6480-90     | b9   | 1080        | 6480-90     | c9   | 1155        | 6480-90     | d9    | 1230        | 6480-90     |      |             |             |
| a10  | 1215        | 6480-90     | b10  | 1145        | 6480-90     | c10  | 1215        | 6480-90     | d10   | 1265        | 6480-90     | br1  | 1390        | 6480-90     |
| a11  | 1060        | 6480-90     | b11  | 1005        | 6480-90     | c11  | 1095        | 6480-90     | d11   | 1170        | 6480-90     | br2  | 1105        | 6480-90     |
| a12  | 970         | 6480-90     | b12  | 920         | 6480-90     | c12  | 1005        | 6480-90     | d12   | 1080        | 6480-90     | br3  | 1365        | 6480-90     |
| a13  | 925         | 6480-90     | b13  | 890         | 6480-90     | c13  | 955         | 6480-90     | d13   | 1025        | 6480-90     | br4  | 1295        | 6480-90     |
| a14  | 900         | 6480-90     | b14  | 875         | 6480-90     | c14  | 920         | 6480-90     | d14   | 980         | 6480-90     | br5  | 1250        | 6480-90     |
| a15  | 860         | 6480-90     | b15  | 840         | 6480-90     | c15  | 870         | 6480-90     | d15   | 920         | 6480-90     | br6  | 1100        | 6480-90     |
| a16  | 875         | 6480-90     | b16  | 860         | 6480-90     | c16  | 865         | 6480-90     | d16   | 925         | 6480-90     | br7  | 1120        | 6480-90     |
| a17  | 720         | 6480-90     | b17  | 645         | 6480-90     | c17  | 260         | 6480-90     | d17   | 345         | 6480-90     | br8  | 1160        | 6480-90     |
| a18  | 585         | 6480-90     | b18  | 565         | 6480-90     |      |             |             |       |             |             | br9  | 1070        | 6480-90     |
|      |             |             |      |             |             | C1   | 1590        | 7343-230    | D1    | 1590        | 7343-140    | br10 | 955         | 6480-90     |
| A1   | 1590        | 7343-230    | B1   | 1590        | 7343-230    | C2   | 1590        | 7343-230    | D2    | 1590        | 7343-140    | br11 | 1615        | 6480-90     |
| A2   | 1590        | 7343-230    | B2   | 1590        | 7343-230    | C3   | 1455        | 7343-230    | D3    | 1455        | 7343-140    | br12 | 1540        | 6480-90     |
| A3   | 1455        | 7343-230    | B3   | 1455        | 7343-230    | C4   | 1455        | 7343-230    | D4    | 1455        | 7343-140    | br13 | 1525        | 6480-90     |
| A4   | 1455        | 7343-230    | B4   | 1455        | 7343-230    | C5   | 1050        | 7343-140    | D5    | 1050        | 7343-140    |      |             |             |
| A5   | 1050        | 7343-140    | B5   | 1050        | 7343-140    | C6   | 980         | 7343-140    | D6    | 980         | 7343-140    | BR1  | 1600        | 6480-90     |
| A6   | 980         | 7343-140    | B6   | 980         | 7343-140    | C7   | 750         | 7343-140    |       |             |             | BR2  | 1160        | 6480-90     |
| A7   | 400         | 7343-140    |      |             |             |      |             |             |       |             |             | BR3  | 1250        | 6480-90     |
|      |             |             |      |             |             | CI   | 6000        | 7343-420    | DI    | 6000        | 7343-230    | BR4  | 1160        | 6480-90     |
| AI   | 5990        | 7343-420    | BI   | 5990        | 7343-420    | CII  | 5500        | 7343-420    | DII   | 5500        | 7343-230    | BR5  | 1250        | 6480-90     |
| AII  | 5490        | 7343-420    | BII  | 5490        | 7343-420    | CIII | 5900        | 7343-230    |       |             |             | BR6  | 500         | 6480-90     |
| AIII | 5900        | 7343-230    | BIII | 5900        | 7343-230    |      |             |             | BRI   | 3400        | 7343-140    |      |             |             |
|      |             |             |      |             |             |      |             |             | BRII  | 3160        | 7343-140    |      |             |             |
|      |             |             | ST1  | 6400        | 7343-140    |      |             |             | BRIII | 3100        | 7343-140    | BrM  | 2975        | 10/N-200    |

riser length (l) [mm]

TWIN 3 RS



|                             |    | Trim      | Beschleunigt /<br>Accelerated |
|-----------------------------|----|-----------|-------------------------------|
| Größe / Size                |    | 39, 42    | 39, 42                        |
| Tragegurt<br>Riser          | A1 | 350 (500) | 350 (500)                     |
|                             | A2 | 350 (500) | 350 (500)                     |
|                             | B  | 350 (500) | 373 (523)                     |
|                             | C  | 350 (500) | 400 (550)                     |
|                             | D  | 350 (500) | 450 (600)                     |
| Trimmerweg<br>Trimmerlength |    | 100 mm    |                               |

Rev.: 1.1



**MATERIAL DATEN - MATERIAL DATA****TWIN 3 RS****SEGELTUCH - SAIL CLOTH - TISSUS**

|                                    |       |                         |
|------------------------------------|-------|-------------------------|
| Obersegel - upper sail - extrados  | Nylon | Polyurethan - 38g / 35g |
| Untersegel - lower sail - intrados | Nylon | Polyurethan - 35g       |
| Rippen - ribs - nervures           | Nylon | Polyurethan - 32g       |

**LEINENMATERIAL - LINE MATERIAL - SUSPENTES**

|                    |         |          |       |        |
|--------------------|---------|----------|-------|--------|
|                    | Dyneema | 6480-90  | 0,9mm | 90 daN |
| intermediate lines | Aramid  | 7343-230 | 1,7mm | 230daN |
|                    | Aramid  | 7343-140 | 1,3mm | 140daN |
| main lines         | Aramid  | 7343-420 | 2,1mm | 420daN |
|                    | Aramid  | 7343-230 | 1,7mm | 230daN |

**LEINENLÄNGENTOLERANZEN - LINE LENGTH TOLERANCE****TOLÉRANCE DES LONGEURS DE SUSPENTES**

| Leinen - lines<br>suspentes            | A          | B         | C         | D         | Brake      |
|----------------------------------------|------------|-----------|-----------|-----------|------------|
| länger - longer<br>tolérance en plus   | + 5<br>mm  | + 5<br>mm | +10<br>mm | +10<br>mm | + 10<br>mm |
| kürzer - shorter<br>tolérance en moins | - 10<br>mm | - 5<br>mm | - 5<br>mm | - 5<br>mm | - 10<br>mm |

**LEINENFESTIGKEITEN [kg] / LINE STRENGTH****RÉSISTANCE DES SUSPENTES**

|                               |    |    |
|-------------------------------|----|----|
| Schirmgröße<br>size - tailles | 39 | 42 |
|-------------------------------|----|----|

**Top Lines**

|     |         |         |
|-----|---------|---------|
| all | 50 / 40 | 58 / 46 |
|-----|---------|---------|

**Intermediate Lines**

|     |         |         |
|-----|---------|---------|
| A+B | 83 / 67 | 96 / 77 |
| C+D | 80 / 60 | 92 / 69 |

**Main Lines**

|     |           |           |
|-----|-----------|-----------|
| A+B | 167 / 133 | 192 / 153 |
| C+D | 160 / 120 | 184 / 138 |

**minimum / absol. minimum**

**Porositätstabelle - porosity table - table de porosité**

| <b>Messgerät - instrument - appareil de mesure</b><br>Messwert - test result - mesure |                   |                   |                  |                                                                          |                                                         |                                                 |
|---------------------------------------------------------------------------------------|-------------------|-------------------|------------------|--------------------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------|
| <b>Kretschmer</b>                                                                     |                   |                   | <b>JDC</b>       | <b>Zustand</b>                                                           | <b>condition</b>                                        | <b>état</b>                                     |
| LD 100<br>[1s]                                                                        | LD 100<br>[1/10s] | LD 150<br>[1/10s] | [s]              |                                                                          |                                                         |                                                 |
| >600                                                                                  | >6000             | >25000            | <b>&gt;250</b>   | neuwertig                                                                | like new                                                | comme neuf                                      |
| 250 - 600                                                                             | 2500 - 6000       | 10000 - 25000     | <b>100 - 250</b> | gebraucht, sehr guter Zustand                                            | used - in very good condition                           | utilisé - en très bon état                      |
| 150 - 250                                                                             | 1500 - 2500       | 4000 - 10000      | <b>40 - 100</b>  | gebraucht, guter Zustand                                                 | used - in good condition                                | utilisé - en bon état                           |
| 50 - 150                                                                              | 500 - 1500        | 1500 - 4000       | <b>15 - 40</b>   | deutlich gebraucht, guter Zustand                                        | hard used - in good condition                           | très utilisé - en bon état                      |
| 30 - 50                                                                               | 200 - 500         | 500 - 1500        | <b>5 - 15</b>    | stark gebraucht,<br>Materialkontrolle in kürzeren Abständen erforderlich | hard used - material check in short intervals necessary | très utilisé - matériel à contrôler fréquemment |
| <b>&lt;30</b>                                                                         | <b>&lt;200</b>    | <b>&lt;500</b>    | <b>0 - 5</b>     | <b>überbeansprucht<br/>NICHT mehr lufttüchtig</b>                        | <b>worn out<br/>NOT airworthy anymore</b>               | <b>plus en état de vol -<br/>NON homologué</b>  |

Maintenence and Service sheet  
**Kontroll und Serviceblatt**  
 Contrôle et Feuille de Service



Type:

Typ: **TWIN 3 RS** \_\_\_\_\_

Type de voile:

Color:

**Farbe:** \_\_\_\_\_

couleur:

Serial Number

**Serien Nummer:**

Numéro de Série:

/ / - / / / - / / / / /

Checkflight (date):

**Eingeflogen am:**

1 / - 1 / 20

Première main ou voile d'occasion (Date):

Mark and signature:

**Händlerstempel und Unterschrift:**

cachet et signature

[illegible]

owner

**Halter**

détenteur



### 1. Pilot

Name:

**Name:**

nome:

street

**Straße:**

rue:

City:

**Wohnort:**

domicile:

Telephone:

**Telefon:**

telephone:

Email:

**Email:**

email:

### 2. Pilot

Name:

**Name:**

nome:

street

**Straße:**

rue:

City:

**Wohnort:**

domicile:

Telephone:

**Telefon:**

telephone:

Email:

**Email:**

email:

### 3. Pilot

Name:

**Name:**

nome:

street

**Straße:**

rue:

City:

**Wohnort:**

domicile:

Telephone:

**Telefon:**

telephone:

Email:

**Email:**

email:

## Paraglider inspection certificate

Inspection certificate number: PG\_2288.2023

### Manufacturer data

Manufacturer name: Swing Flugsportgeräte GmbH  
Representative: Günther Wörl  
Street: An der Leiten 4  
Post code / place: 82290 Landsberied  
Country: Germany

### Sample data

|                              |           |                            |            |
|------------------------------|-----------|----------------------------|------------|
| Name:                        | TWIN 3 RS | Size:                      | 42         |
| Min weight in flight [kg]:   | 130       | Max weight in flight [kg]: | 230        |
| Weight [kg]:                 | 8.6       | Number of seat:            | Two-seater |
| Sample load serial number:   | n/a       | Date of reception:         | n/a        |
| Sample flight serial number: | 99412     | Date of reception:         | 17.10.2023 |

### Test report summary

| Test report summary                  | Result   | Place                  | Date of test |
|--------------------------------------|----------|------------------------|--------------|
| 91_23   Shock loading test:          | POSITIVE | Fürstenfeldburch (DHV) | 18.12.2023   |
| 91_23   Sustained loading test:      | POSITIVE | Fürstenfeldburch (DHV) | 18.12.2023   |
| 91_22   Flight test:                 | B        | Villeneuve             | 06.12.2023   |
| 91_24   Measurement:                 | POSITIVE | Villeneuve             | 08.12.2023   |
| 91_27   Suspension line calculation: | POSITIVE | Villeneuve             | 21.12.2023   |

### Issue data

Place of declaration: Villeneuve  
Date of issue: 07.02.2024  
Managing Director: Andrea Wigger  
Signature:



This signature approves the validity of the test reports 91\_22, 91\_23, 91\_24 and 91\_27 (Only if test reports are applicable).

Air Turquoise SA, has thoroughly tested the sample mentioned above and certifies its conformity with the following standards:

EN926-2:2013+A1:2021<sup>1</sup>, EN926-1:2015 and NF 2-565-20

<sup>1</sup>This standard is NOT covered by accreditation D-IS-19457-01

The certificate of inspection is completed with test reports, if available, number: 91\_22, 91\_23, 91\_24, 91\_25, 91\_27  
(If the 91\_23 tests are not done, it has been done for another size of a sample within the definition of same model)

The declaration must not be reproduced in part without the written permission of Air Turquoise SA.

## Line and Riser measurements report for flight test glider

Report number: **PG\_2288.2023**Sample name: **TWIN 3 RS 42**Manufacturer: **Swing Flugsportgeräte Gmb**S/N: **99412**

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

|          |    | A    | B    | C    | D    | E    | Stab | Brakes |
|----------|----|------|------|------|------|------|------|--------|
| Center   | 1  | 8709 | 8615 | 8697 | 8793 | 8864 |      | 9396   |
|          | 2  | 8630 | 8540 | 8623 | 8721 | 8790 |      | 9121   |
|          | 3  | 8603 | 8509 | 8593 | 8701 | 8773 |      | 8941   |
|          | 4  | 8658 | 8571 | 8644 | 8753 | 8819 |      | 8865   |
|          | 5  | 8651 | 8573 | 8645 | 8756 | 8814 |      | 8663   |
|          | 6  | 8549 | 8462 | 8535 | 8647 | 8652 |      | 8515   |
|          | 7  | 8512 | 8429 | 8502 | 8602 | 8619 |      | 8447   |
|          | 8  | 8471 | 8403 | 8474 | 8561 | 8618 |      | 8488   |
|          | 9  | 8470 | 8401 | 8475 | 8548 |      |      | 8434   |
|          | 10 | 8525 | 8467 | 8534 | 8581 |      |      | 8323   |
|          | 11 | 8383 | 8321 | 8416 | 8481 |      |      | 8229   |
|          | 12 | 8287 | 8237 | 8325 | 8396 |      |      | 8159   |
|          | 13 | 8242 | 8201 | 8269 | 8339 |      |      | 8133   |
|          | 14 | 8144 | 8119 | 8172 | 8223 |      |      |        |
|          | 15 | 8107 | 8087 | 8119 | 8168 |      |      |        |
|          | 16 | 8122 | 8103 | 8117 | 8161 |      |      |        |
| Wing tip | 17 | 7885 | 7808 | 7773 | 7860 |      |      |        |
|          | 18 | 7750 | 7740 |      |      |      |      |        |

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

| Risers  | Std  | Acc   |
|---------|------|-------|
| A       | 351  | 351   |
| A'      | 351  | 350   |
| B       | 350  | 350   |
| C       | 355  | 401   |
| D       | 358  | 455   |
| Acc     |      | *[mm] |
| Trimmer | 97.4 | [mm]  |

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