Line breaking strength report

Inspection certification number :

Manufacturer name: Professional Flying Team GmbH
Model name and size : Leelou-T
Report valid for the other sizes of model : **Leelou-T**

Maximum weight: **220** kg / **215.6** daN

Line specification and line breaking strength in daN (stronger to weakest value) [1]

Line number	Manufacturer	Type no.	Breaking strength (daN)
1	Edelrid	7343-420	201.4
2	Edelrid	7343-200	125.0
3	Liros	PPSL 120	117.6
4	Liros	DSL 070	73.2

Line number	Manufacturer	Type no.	Breaking strength (daN)
5	Edelrid	7343-140	60.1
6	Edelrid	8000U-140	58.0
7	Edelrid	8000U-090	41.8
8			

Kevlar knot	Liros	DPLS 200	137.8

Line breaking strength, theoretical calculation (see details on the following pages) [2]

		daN	%
Sum A+B+C+D Stabilo line	Level 1	3916.00	18.17
	Level 2	4780.00	22.18
	Level 3	8899.00	41.28
	Level 4	0.00	0.00

A, B and C: the sum of each level must be equal or exceed 1400daN or 14kn

Result **POSITIVE**

		daN
Sum each level of brake lines	Level 1	273.80
	Level 2	439.20
	Level 3	708.00
	Level 4	1416.00
	Level 5	0.00

Brake line, the sum of each level must be equal or exceed 150daN

Result **POSITIVE**

Place of inspection:
Date of issue: **dd.mm.yyyy**
Inspector:

Air Turquoise SA hereborughly tested suspension line samples of paragliders mentioned above, and calculated the overall strength. It certifies its conformity with the standards **EN 926-2:2015 chapter 5.3, 5.4, 6.3 | ETSO: C23-03 chapter 3**

Line junction and detailed line strength calculation

A-Lines

Level 1 | Level 2 | Level 3 | Level 4

Level 1	Level 2	Level 3	Level 4
Edelrid 7343-420 201.4	Edelrid 7343-200 125.0	Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
	Edelrid 7343-200 125.0	Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
Total: 402.8	500.0	708.0	0.0
Edelrid 7343-420 201.4	Edelrid 7343-200 125.0	Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
	Edelrid 7343-200 125.0	Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
Total: 402.8	500.0	708.0	0.0
Edelrid 7343-200 125.0	Edelrid 7343-140 60.1	Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
	Edelrid 7343-140 60.1	Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
Total: 250.0	240.4	708.0	0.0

B-Lines

Level 1	Level 2	Level 3	Level 4
Edelrid 7343-420 201.4	Edelrid 7343-200 125.0	Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
	Edelrid 7343-200 125.0	Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
Total: 402.8	500.0	708.0	0.0
Edelrid 7343-420 201.4	Edelrid 7343-200 125.0	Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
	Edelrid 7343-200 125.0	Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
Total: 402.8	500.0	708.0	0.0
Edelrid 7343-200 125.0	Edelrid 7343-140 60.1	Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
	Edelrid 7343-140 60.1	Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
Total: 250.0	240.4	708.0	0.0

C-Lines

Level 1	Level 2	Level 3	Level 4
Edelrid 7343-420 201.4	Edelrid 7343-200 125.0	Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
	Edelrid 7343-200 125.0	Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
Total: 402.8	500.0	708.0	0.0
Edelrid 7343-420 201.4	Edelrid 7343-200 125.0	Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
	Edelrid 7343-200 125.0	Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
Total: 402.8	500.0	708.0	0.0
Edelrid 7343-200 125.0	Edelrid 7343-140 60.1	Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
	Edelrid 7343-140 60.1	Edelrid 8000U-140 58.0	
		Edelrid 8000U-140 58.0	
Total: 250.0	240.4	708.0	0.0

D-Lines

Level 1	Level 2	Level 3	Level 4
Edelrid 7343-200 125.0	Edelrid 7343-140 60.1	Edelrid 8000U-090 41.8	
		Edelrid 8000U-090 41.8	
		Edelrid 8000U-090 41.8	
		Edelrid 8000U-090 41.8	
		Edelrid 8000U-090 41.8	
		Edelrid 8000U-090 41.8	
		Edelrid 8000U-090 41.8	
		Edelrid 8000U-090 41.8	
Total: 250.0	240.4	836.0	0.0
Edelrid 7343-200 125.0	Edelrid 7343-140 60.1	Edelrid 8000U-090 41.8	
		Edelrid 8000U-090 41.8	
		Edelrid 8000U-090 41.8	
		Edelrid 8000U-090 41.8	
		Edelrid 8000U-090 41.8	
		Edelrid 8000U-090 41.8	
		Edelrid 8000U-090 41.8	
		Edelrid 8000U-090 41.8	
Total: 250.0	240.4	836.0	0.0

Stabilo line

Level 1	Level 2	Level 3	Level 4
Edelrid 7343-200 125.0	Edelrid 8000U-140 58.0	Edelrid 8000U-140 58.0	
	Edelrid 8000U-140 58.0	Edelrid 8000U-140 58.0	
	Edelrid 8000U-140 58.0	Edelrid 8000U-140 58.0	
Total: 250.0	354.0	354.0	0.0

Brake line junction and detailed calculation

Level 1	Level 2	Level 3	Level 4
Liros DPLS 200 137.8	Liros DSL 070 73.2	Edelrid 8000U-140 58.0	Edelrid 8000U-140 58.0
			Edelrid 8000U-140 58.0
			Edelrid 8000U-140 58.0
			Edelrid 8000U-140 58.0
		Edelrid 8000U-140 58.0	Edelrid 8000U-140 58.0
			Edelrid 8000U-140 58.0
			Edelrid 8000U-140 58.0
			Edelrid 8000U-140 58.0
		Edelrid 8000U-140 58.0	Edelrid 8000U-140 58.0
			Edelrid 8000U-140 58.0
			Edelrid 8000U-140 58.0
			Edelrid 8000U-140 58.0
	Liros DSL 070 73.2	Edelrid 8000U-140 58.0	Edelrid 8000U-140 58.0
			Edelrid 8000U-140 58.0
			Edelrid 8000U-140 58.0
			Edelrid 8000U-140 58.0
		Edelrid 8000U-140 58.0	Edelrid 8000U-140 58.0
			Edelrid 8000U-140 58.0
			Edelrid 8000U-140 58.0
			Edelrid 8000U-140 58.0
Total: 275.8	439.2	708.0	1416.0

(1): Suspension lines have been tested according to EN926-2:2015 chapter 6.3, and for the calculation the lower value out of 5 test specimen is used. The minimum breaking strength of any line shall be greater than 200 N.

(2) Handle lines: The connection between the central (main handle) and the line lower of line shall have a minimum breaking strength of 750 N

(3): Sum of each level for A, B, C, stabilo and brake suspension lines and value for the entire paraglidng (part left and right (D)). Subsequent lines are defined by each farthest line junction. First level is defined as the line attached to riser or main central handle.