

Line breaking strength report

Inspection certification number : **CCC_021.2018**
 Manufacturer name: **Sol Paraglider**
 Model name and size : **TR27 XS**
 Report valid for the other sizes of model : -

Maximum weight: **90** kg **88.2** daN

Line specification and line breaking strength in daN (strongest to weakest value) ⁽¹⁾

Line number	Manufacturer	Type no.	Breaking strength (daN)
1	Cousin	Vectran 16560	243.6
2	Cousin	Vectran 16999	440.3
3	Cousin	Vectran 12470	186.6
4	Cousin	Vectran 16330	127.2

Line number	Manufacturer	Type no.	Breaking strength (daN)
5	Cousin	Vectran 12400	96.2
6	Cousin	Vectran 12100	35.8
7			
8			

Line breaking strength, theoretical calculation (see details on the following pages) ⁽³⁾

		daN	g
Sum A+B+C+ Stabilo lines	Level 1	3368.00	38.19
	Level 2	4154.80	47.11
	Level 3	4996.00	56.64
	Level 4	7544.00	85.53

A, B and C, the sum of each level must be equal or exceed 2300daN or 23g

Result **POSITIVE**

Place of inspection: **Villeneuve**
 Date of issue: **28.06.2018**
 Inspector: **Alain Zoller**

CIVL Competition Class (CCC)



Line junction and detailed line strength calculation

Level 1		Level 2		Level 3		Level 4					
AR1	16999	440.3	AML1	16560	243.6	AM1	16330	127.2	A1	12400	96.2
						AM2	16330	127.2	B1	12400	96.2
						AM3	16330	127.2	A2	12400	96.2
						AM4	16330	127.2	B2	12400	96.2
			AML2	16560	243.6			A3	12400	96.2	
								B3	12400	96.2	
								A4	12400	96.2	
								B4	12400	96.2	
Total:		880.6		974.4		1017.6			1539.2		
AR2	16999	440.3	AML3	16560	243.6	AM5	16330	127.2	A5	12400	96.2
						AM6	16330	127.2	B5	12400	96.2
						AM7	16330	127.2	A6	12400	96.2
						AM8	16330	127.2	B6	12400	96.2
			AML4	16560	243.6			A7	12400	96.2	
								B7	12400	96.2	
								A8	12400	96.2	
								B8	12400	96.2	
Total:		880.6		974.4		1017.6			1539.2		
AR3	16560	243.6	AML5	16560	243.6	AM9	16330	127.2	A9	12400	96.2
						AM10	16330	127.2	A10	12400	96.2
									A11	12400	96.2
									A12	12400	96.2
			AML6	12400	96.2	AM11	12100	35.8	A13	12400	96.2
								A14	12100	35.8	
								B14	12100	35.8	
								A15	12100	35.8	
								B15	12100	35.8	
								AM12	12100	35.8	
								A16	12100	35.8	
								B16	12100	35.8	
								C16	12400	96.2	
Total:		487.2		679.6		652			1584		



BR1	12470	186.6	BML1	16330	127.2	BM1	12400	96.2	C1	12400	96.2		
						BM2	12400	96.2	D1	12100	35.8		
								C2	12400	96.2	D2	12100	35.8
			BML2	16330	127.2	BM3	12400	96.2	C3	12400	96.2	D3	12100
						BM4	12400	96.2	C4	12400	96.2		
									D4	12100	35.8		
Total:		373.2			508.8			769.6			1056		
BR2	12470	186.6	BML3	16330	127.2	BM5	12400	96.2	C5	12400	96.2		
						BM6	12400	96.2	D5	12100	35.8		
								C6	12400	96.2	D6	12100	35.8
			BML4	16330	127.2	BM7	12400	96.2	C7	12400	96.2	D7	12100
						BM8	12400	96.2	C8	12400	96.2		
									D8	12100	35.8		
Total:		373.2			508.8			769.6			1056		
BR3	12470	186.6	BM9	16330	127.2	C9	12400	96.2	B9	12400	96.2		
						C10	12400	96.2	B10	12400	96.2		
			BM10	16330	127.2	C11	12400	96.2	B11	12400	96.2		
					C12	12400	96.2	B12	12400	96.2			
Total:		373.2			508.8			769.6			769.6		



