

TECHNIQUES of OPERA

9 DEC 2019- Rev.1

 **OPERA**

OPERA			XS	S	SM	M	L	XL
CELLS	NUMBER		128					
	CLOSED		12					
FLAT	AREA	m ²	19.2	21.0	22.7	23.6	25.5	27.5
	SPAN	m	12.27	12.83	13.34	13.60	14.14	14.68
	ASPECT RATIO		7.84					
PROJECTED	AREA	m ²	16.6	18.1	19.6	20.4	22.0	23.7
	SPAN	m	10.04	10.50	10.92	11.13	11.57	12.02
	ASPECT RATIO		6.08					
FLATTENING		%	13.66%					
CORD	MAX	m	1.953	2.043	2.124	2.166	2.251	2.34
	AVER	m	1.565	1.637	1.702	1.735	1.803	1.873
LINES	HEIGHT	m	7.60	7.96	8.27	8.43	8.77	9.10
	MAIN		2+1/3					
RISERS	NUMBER		A+A'/B					
	TRIMS		140					
PILOT WEIGHT (FREE FLIGHT)	MIN-MAX	KG	80-92	85-100	95-110	100-115	110-125	120-135
CERTIFICATION	8G EN926-1/2	KG	CCC	CCC	CCC	CCC	CCC	CCC
GLIDER WEIGHT		KG	-	-	-	-	-	-

MATERIALS DATA

CANOPY	FABRIC CODE	SUPPLIER
UPPER SURFACE leading Edge	30D MF	DOMINICO TEXTILE CO
UPPER SURFACE except leading Edge	SKYTEX 27	Pocher Industires
BOTTOM SURFACE	SKYTEX 27	Pocher Industires
PROFILES (supported)	70032 E4D	Pocher Industires
PROFILES (unsupported)	E91	Pocher Industires
DIAGONALS	70032 E4D	Pocher Industires
Plastic Reinforcements	2.5/2.0mm	Plastic from korea
TRAILING EDGE REINFORCEMENT	Light Laminated	NCV INDUSTRIES

SUSPENSION LINES	FABRIC CODE	SUPPLIER
UPPER CASCADES	8000U- 130/90/70/50 9200-30	EDELRID
MIDDLE CASCADES	8000U- 190/130/90/70/50 9200-30	EDELRID
MAIN	8000U- 360/190/130/50 DSL140	EDELRID
UPPER STABLE	9200-30	EDELRID
MAIN STABLE	9200-30	EDELRID
UPPER BRAKE	9200-30	EDELRID
MIDDLE BRAKE	8000U-50	EDELRID
MAIN BREAK	8000U-190 10N-200	EDELRID

RISERS	FABRIC CODE	SUPPLIER
MATERIAL	12MM polyester	GUTH&WOLF GMBH
THREAD	210D/3, 420D/3	COATS THREAD THAILAND
PULLEYS	Pulley	Ronstan