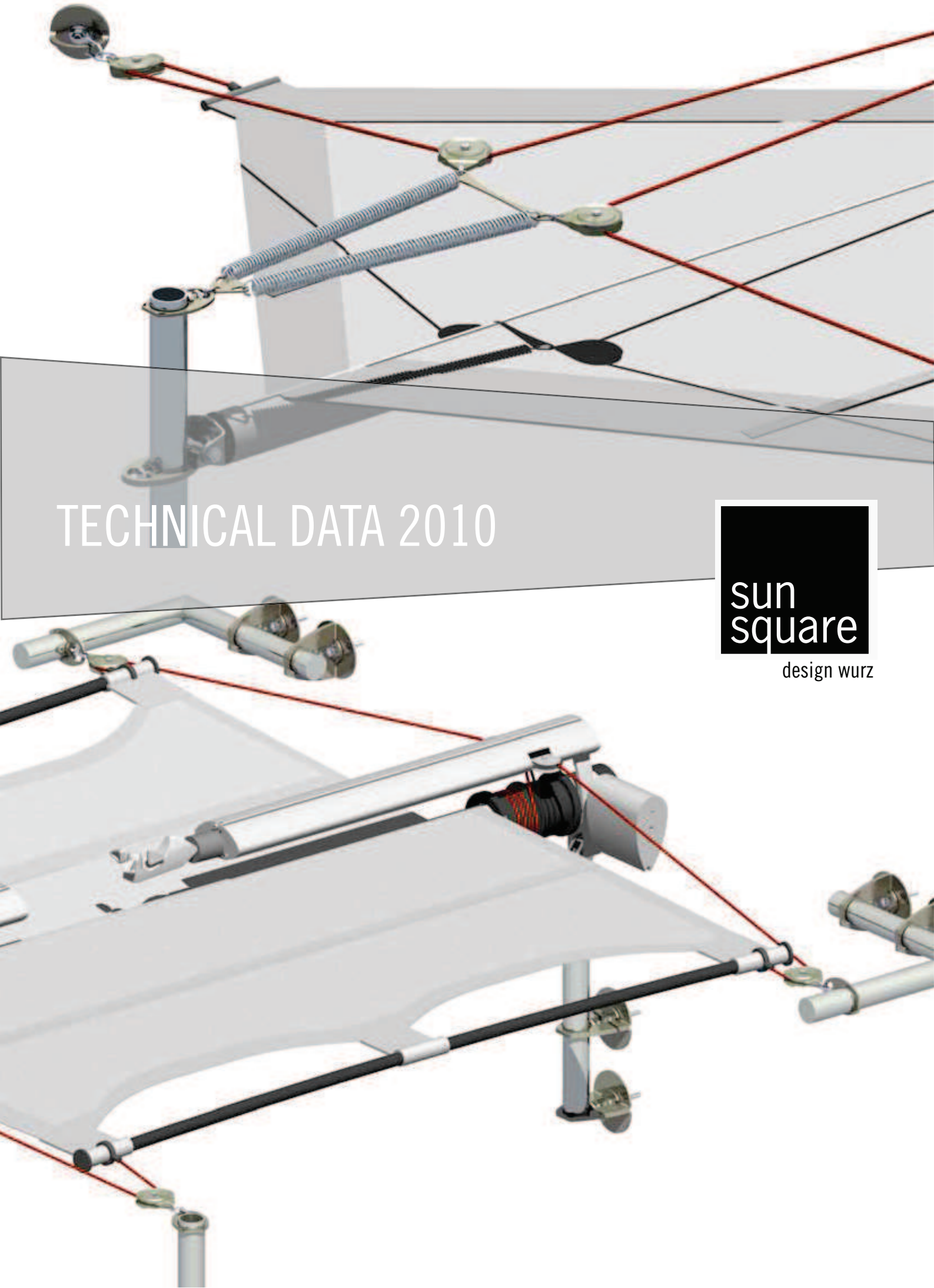
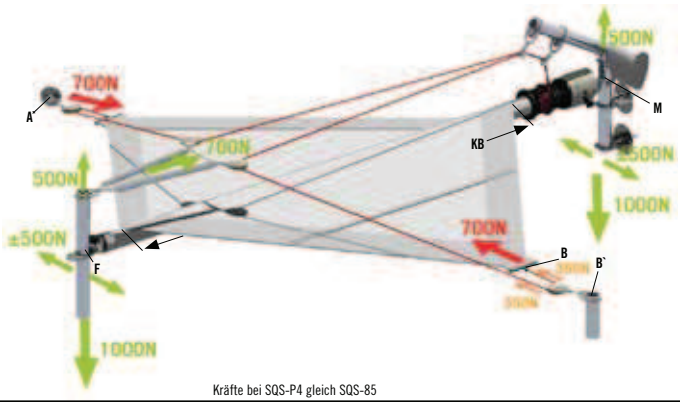


TECHNICAL DATA 2010

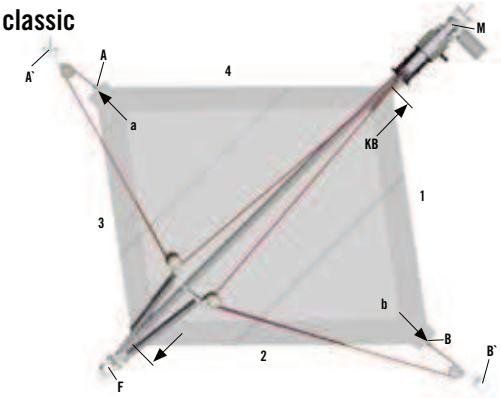
sun square

design wurz

SQS classic

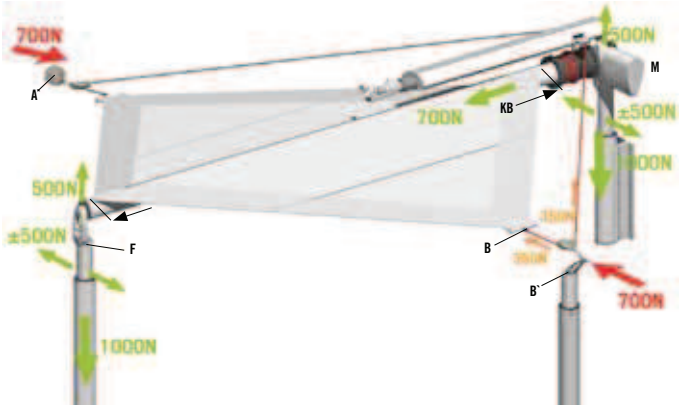


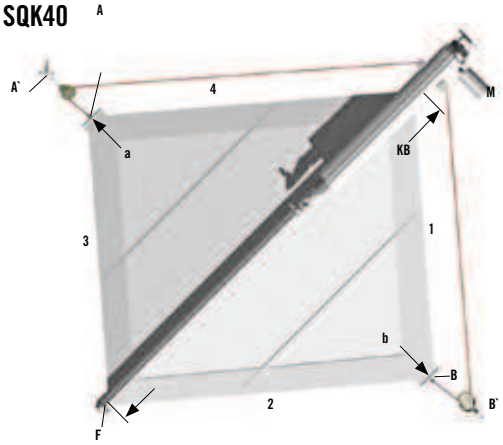
Kräfte bei SQS-P4 gleich SQS-85



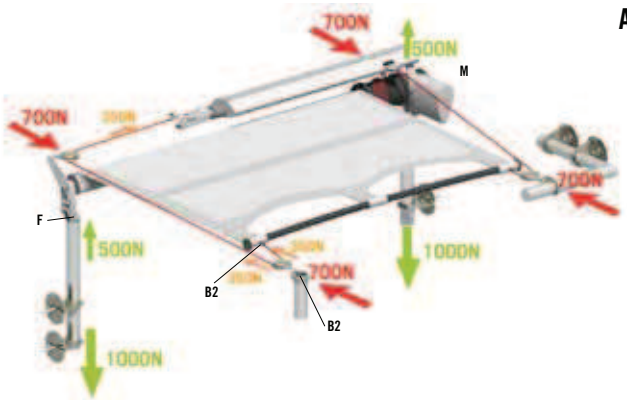
Kräftediagramme

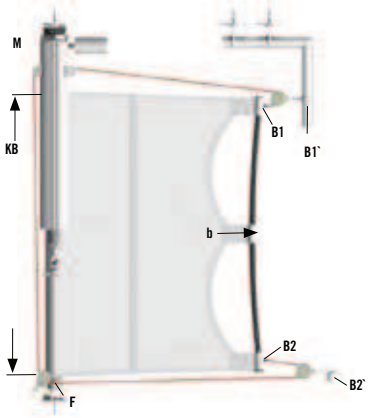
SQK40





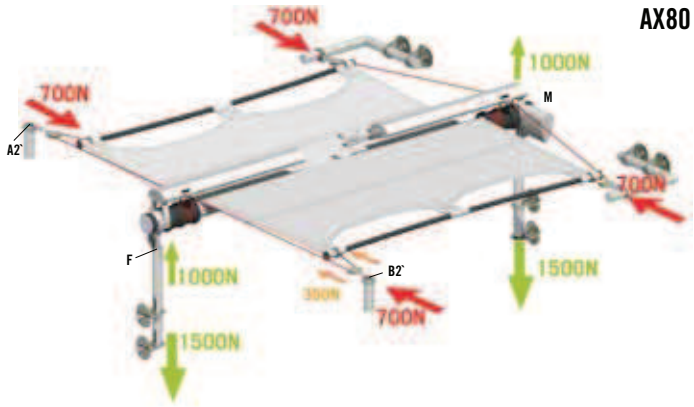
AX40

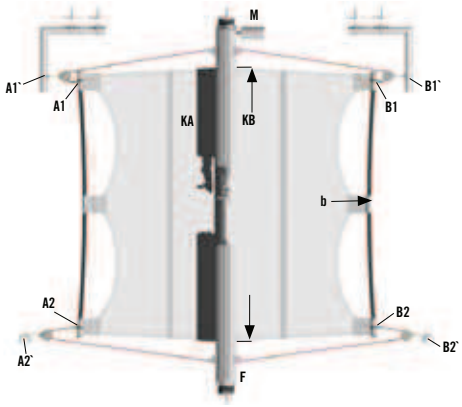




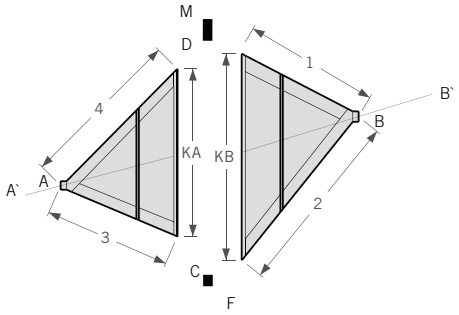
reddot design award
winner 2010

AX80



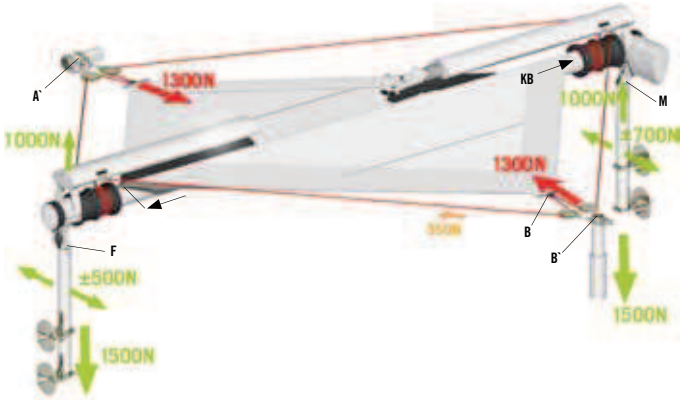


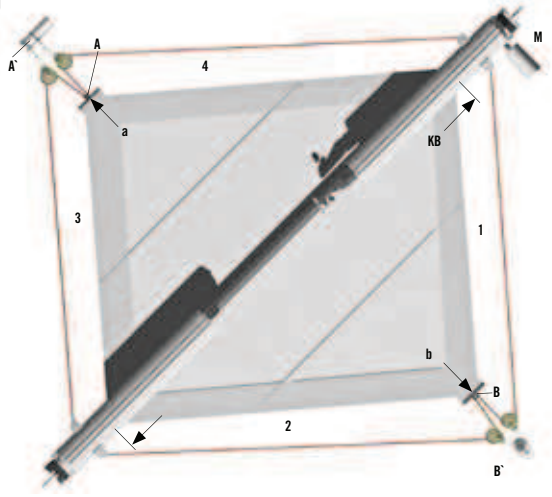
	SQS-85	SQS-P4	SQK 40	SQK 80
1:2(2:1)	1:1,3	1:1,3	1:1,3	1:1,3
3:4(4:3)	1:1,3	1:1,3	1:1,3	1:1,3
1, 2, 3, 4	7,5 m	8,5 m	8,5 m	9,0 m
KA, KB	9,3 m	12,9 m	12,9 m	12,9 m
MF	10,0 m	13,5 m	13,5 m	13,5 m
a,b	6,0 m	7 m	7 m	7 m
=a-b	±0,5m	±0,5m	±0,5m	±0,5m
AA‘	25 cm	30 cm	30 cm	30 cm
BB‘	25 cm	30 cm	30 cm	30 cm
MD	50 cm	50 cm	40 cm	40 cm
FC	20 cm	20 cm	5 cm	40 cm
max m2	50m2	50m2	50m2	70m2



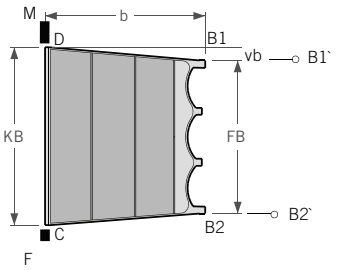
sun square

SQK80

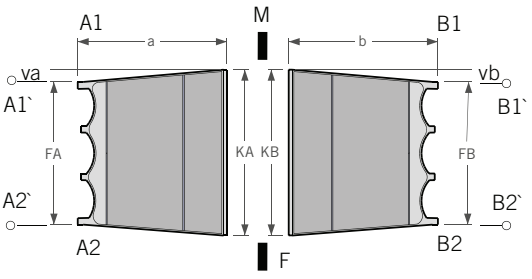




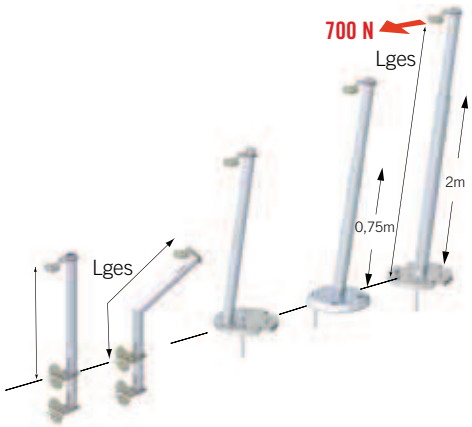
design wurz 2010



	AXIS 40	AXIS 80
FB	max. 5,2m	max. 5,2m
Kanten	min.2°-9°	min.2°-9°
vb	30 cm	30cm
KB	5,8 m	5,8 m
MF	6,4m	6,4m
a,b	7m	7m
=a-b	10cm	10cm
AA‘	30 cm	30 cm
BB‘	30 cm	30 cm
MD	40 cm	40 cm
FC	5 cm	40 cm
max m2	35 m2	70 m2



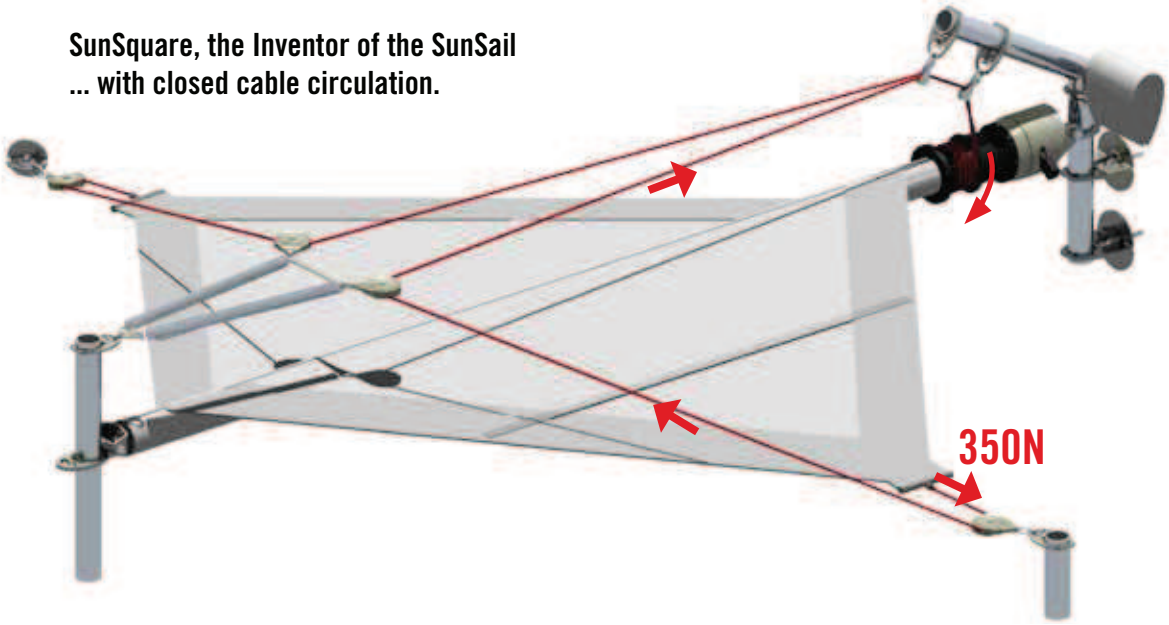
SQ Stützen Edelstahl



	Gerade GAB	Knick KAB	Bodenstütze B60 TE36	- B60 NT	- B7660
	Lges				
ø33	0,4	0,4	-	-	-
ø48	1,2	1,2	3,7	-	-
ø60	2,5	2,5	4,0	3,3	
ø60 + RD	4,0	4,0	4,0	4,8	6,0

RD...Rohrdorn ø50
Lges...Angabe für 700N Belastung. Bei 1300N beträgt Lges 54%.

SunSquare, the Inventor of the SunSail
... with closed cable circulation.



In 1995, inventor Gerald Wurz and producer Norbert Kautzky applied for a patent on a SunSail with a closed cable circulation system. The cables are pre-tensioned with an open stainless steel spring, which has since become a visual trademark. In 2009, SunSquare presented their new interior cable circulation system, featuring the „compensator".
This patented closed cable circulation system guarantees that an equal and maximum stress of 350 N is channeled through the cabling. In the compensator (1) two pneumatic pumps tension the left (2) and right (3) cables independently. When wind gusts occur, the four pneumatic pumps provide 1.6 m of travel for the cabling to ensure the forces introduced remain at a maximum of 350 N. Additionally, the system compensates for the unequal extension and retraction lengths of the sail (5) and the cable drum (6). In an extended state, the wrapping diameter on the sail (d) is approx. 20% less than the cable drum diameter (D). Theoretically, while retracting the motor must achieve the torsional point at which the extended sail diameter is equal to the cable drum diameter. The 40 Nm Somfy motor need not contribute a further torsional point in order to safely retract the sail due to wind gusts. This is the significant difference between SunSquare's and all other sail rolling systems, which must additionally overcome the forces within the cabling.