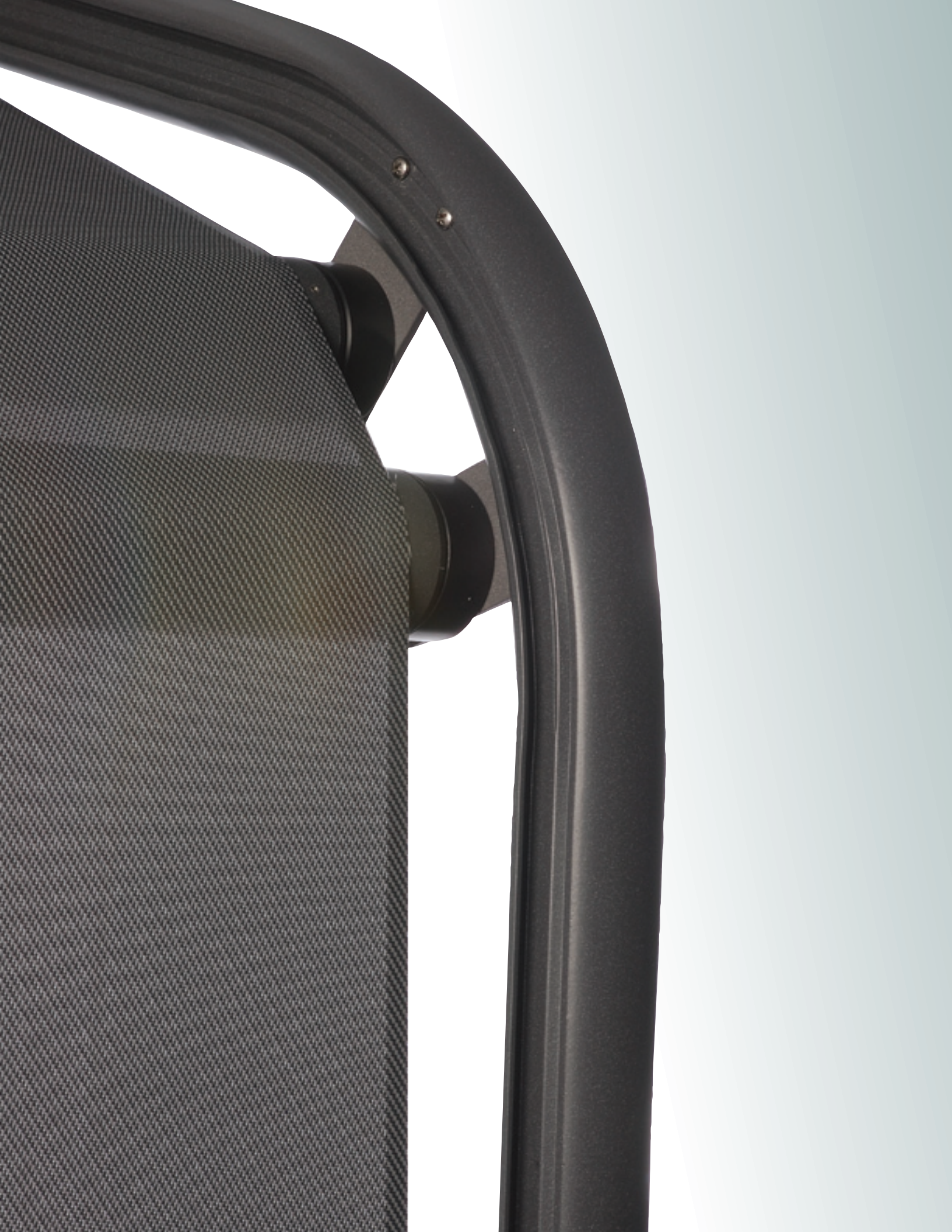




FM 51

roller tension system

SunProject™



FM 51 tension system

The FM 51 tension system is an innovative shading system designed for flat, inclined and vertical glazing. Its' unique tensioning device keeps fabric flat and taut over wide and long spans of glazing. The system provides the ability to customize applications on curved glass such as solariums and irregularly-shaped, and triangular windows. The system is reliable and can be used for both interior and exterior applications. As with all of our exterior-rated products, it is durable, heavy-duty and can withstand the exterior weather and elements.

Tension hembar in side channel



Extension mount bracket for side channel



Special guide cable application





Architects are designing open, outward-looking buildings with large glazed atria and glass openings, where natural light creates harmonious and productive environments. The challenges for most architects and building owners is controlling that light which can cause solar heat gain and glare. Sun Project's FM 51 tension system is a practical and versatile solution to these problems. When installed on the exterior, the system performs best as the heat is stopped before it enters the internal space. The choice of fabric is vital; SunProject provides exterior rated fabrics with superior dimensional stability providing exceptional heat protection that stand up to wider temperature variations, while maintaining their flexibility. Wind-tunnel trials also show their extreme resistance to strong winds.



- Fully automated retractable shading systems
- Suitable for both internal and external use
- Bottoms up shades are also possible
- For façades, atria, skylights & roof glazing
- Allows full use of solar gain when required
- Maximizes the use of natural daylight
- Reduces electric light consumption
- Significantly reduces air conditioning costs
- Enables employees to work in comfort
- Controls glare on visual display screens
- Perfectly complements modern commercial buildings
- Tension-stabilized fabric under wind condition

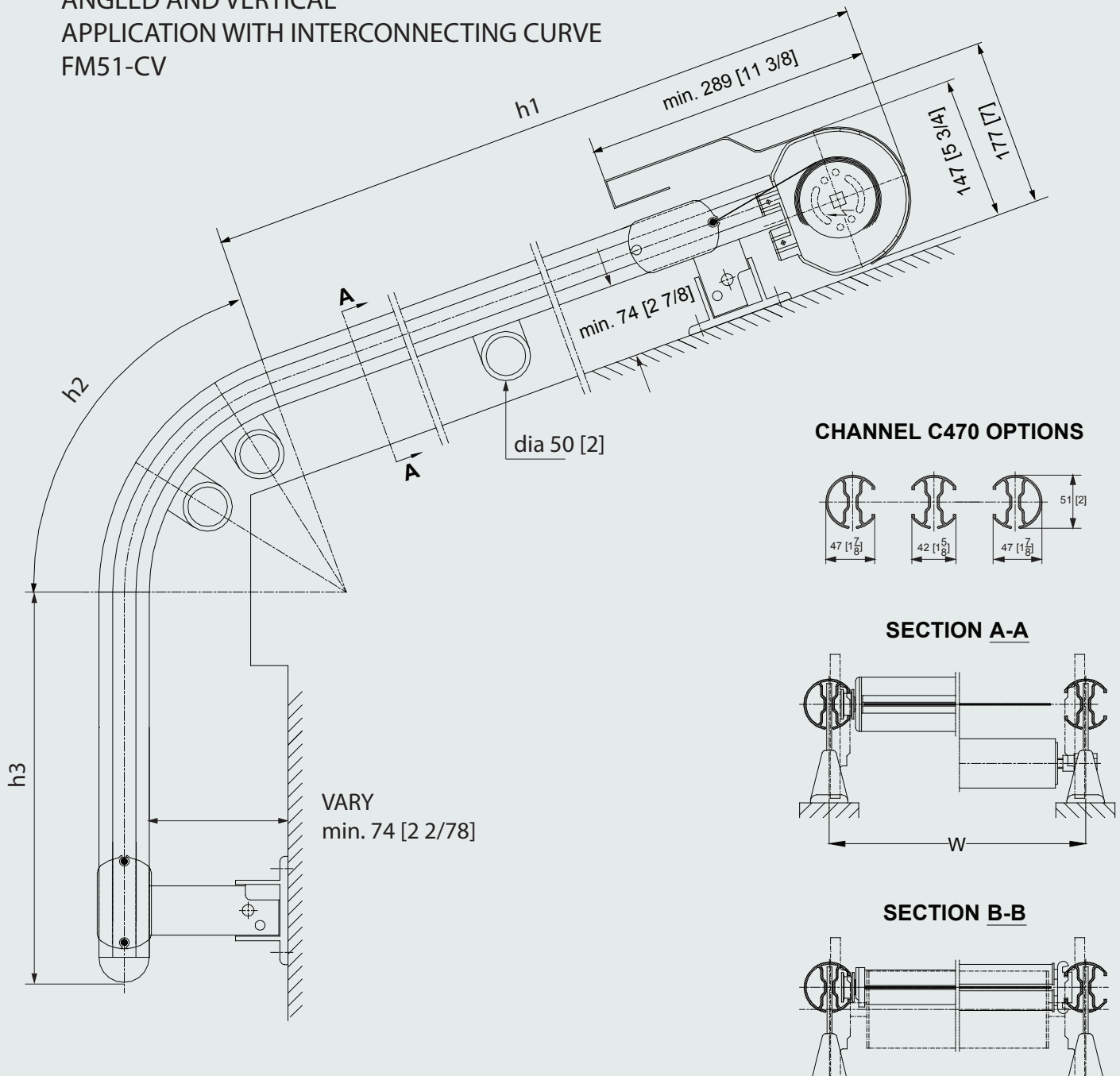


product limitations

Product Type	Min. WIDTH		Max. WIDTH		Max. HEIGHT*				Max. Area			
					with support rollers		without support rollers		with support rollers		without support rollers	
	(W)		(W)		(H)		(H)					
	mm	in	mm	in	mm	in	mm	in	m ²	sq.ft	m ²	sq.ft
FM51-EX	1000	39	4000	157	7000	276	6000	236	15	161	12	129
FM51-SP	800	31	4000	157	4000	157	2900	114	12	129	8	86
FM51-SL	1000	39	3000	118	6000	236	3000	118	12	129	9	97
FM51-CR	1000	39	3000	118	6000	236	n/a	n/a	15	161	n/a	n/a

* The ratio of the shade's height to width must be less than 4

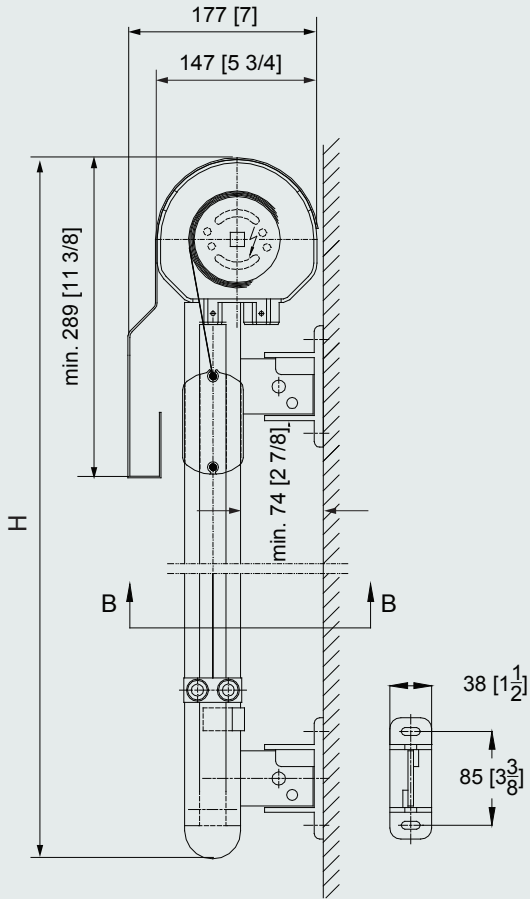
ANGLED AND VERTICAL APPLICATION WITH INTERCONNECTING CURVE
FM51-CV



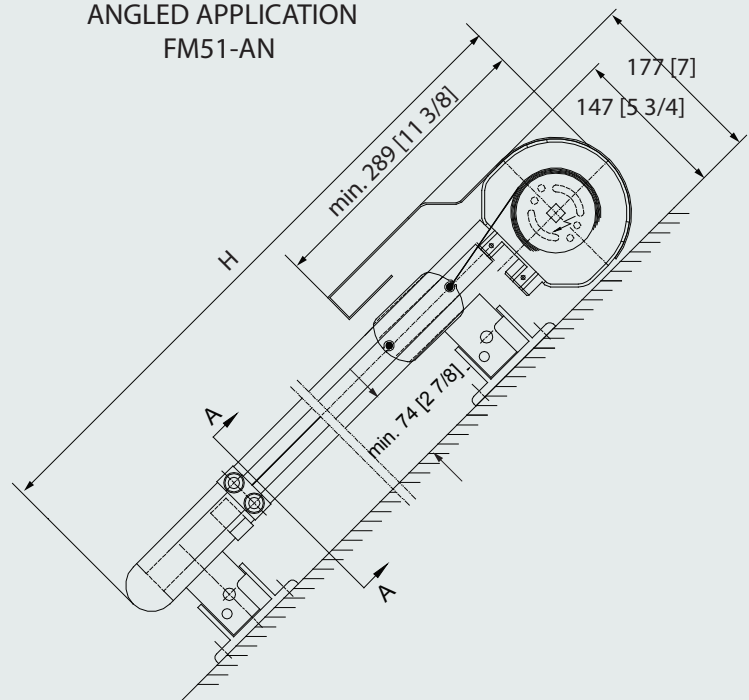
H	Total Height
W	Total Width of Opening
Total Height	$(H)=h1+h2+h3$

For sizes that exceed the product limitations, please contact our technical department

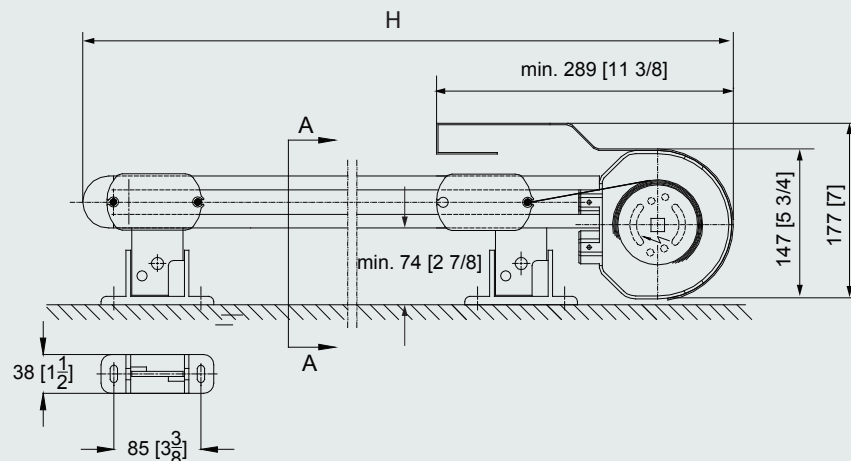
**VERTICAL APPLICATION
FM51-EX**



**ANGLED APPLICATION
FM51-AN**



**HORIZONTAL (FLAT) APPLICATION
FM51-SL**



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