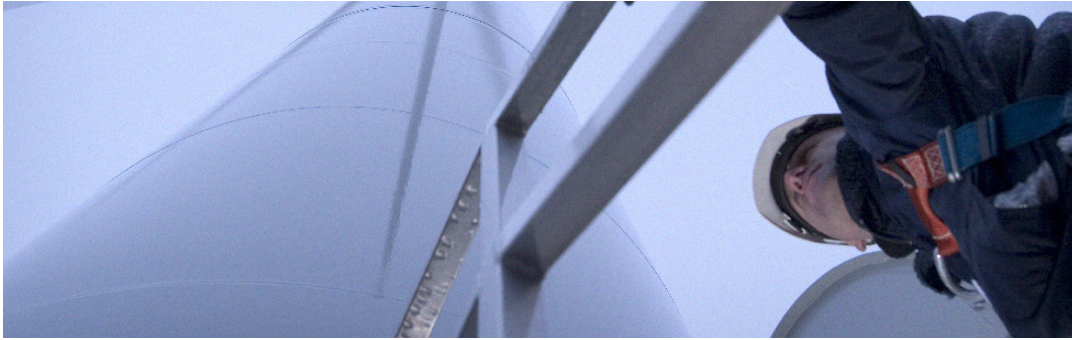


AVANTI STANDARDS APPROVALS AND TESTS - A SAFE INVESTMENT



Health and safety issues has a continuously increasing focus on the agenda in the wind turbine industry. As wind turbines get higher and higher - and as they increase in number - focus is turned to safer equipment for people working with wind turbines. The Avanti Service Lift and other AVANTI products is designed in compliance with or have even been tested by third parties to comply with the standards in Europe, the USA, Australia and New Zealand.

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EUROPE:	Service Lift	Ladder	Fall protection System	Climb Assist	Avanti Anchor
EN 1808	x (1)				
Directive of Machinery 2006/42/EC	x (1)			x	
EN 353-1:2002 (+pr 2008)			x (2)		
TÜV Nel Sit & Fall back test			x (2)		
DIN 18799-1		x			
EN 14122-4/ EN 131-2		x			
EN 795					x
Australian / New Zealand:					
AS/NSZ 1891.3:1997			x (4) (2)		x (4)
AS 1418.8	x				
AS 1657		x			
USA:					
ANSI/UL 1322	x (3)				
ANSI/UL 1323	x (3)				
ANSI A14.3		x (5)			
ANSI Z359.1			x (5)		x (5)
OSHA 29 CFR 1910.27		x (5)			
OSHA 29 CFR 1926.502 Subpart M			x (5)		
Canada:					
CAN/CSA Z271-98	x (3)				
CSA Z 259.2.1			x (5)		
CAN/CSA Z259.12-01			x (5)		

- 1) EEC Type approval by third part: TÜV - NB:0035
- 2) EEC Type approval by third part: Force - NB:0200
- 3) UL-Classified Underwriters Laboratories
- 4) ETRS third part assesment
- 5) Design Compliance Report by: Intertek inc. / Barr Engineering

AVANTI STANDARDS APPROVALS AND TESTS - A SAFE INVESTMENT



EUROPEAN STANDARD

EN 50308:

The European standard EN 50308 includes demands regarding protection equipment, guidelines for design, operation and maintenance. The Avanti Service Lift, ladder, climb assist, fall protection and resting platforms are constructed in accordance with the requirements in EN 50308.

The general demands and objectives with regard to protection of employees have been established to avoid health and safety hazards.

This includes regulation regarding door openings, access roads, floors, platforms and rails, crash protected ladders, passage and working room, anchoring places and handles, lightning, protection of moving parts, protection against electric hazards, noise levels and thermal insulation.

In 2002 The Danish Working Environment Service introduced rules in Denmark stating that a lift system for transportation of service technicians and tools must be installed in wind turbines higher than 45m. The Danish demand has not been included in the European standard at this time. But the standard has been passed with the reservation that it must be revised. The demand is expected to be included in the European standard when a revision is made.

The rules of the Danish Working Environment Service also demand that the vertical ladder has a platform, on which the service technician can rest on his way up or down. According to the new European standard EN 50308, the ladder must also be equipped with a resting platform for each 9m for the entire height of the ladder.