

PAS 2012 Technical Interpretation		Interpretation number	017
Title	Multiple winch line attachment		
PAS Version	2012 : 2015 and 2012 : 2019		
Clause(s)	5.6.4 (2015) and 5.7.3 (2019)	Winch line and attachment	
Enquiry	Clause 5.6.4.2 of PAS 2012 – 1 : 2015 appears to put a maximum separation of 100mm on the two winch lines for a winch with two winch lines. This seems unreasonably close together?		
Decision	This is not the intention behind the clause. In a winch with twin winch lines, the lines may be any distance apart. The clause only specifies that they need to be symmetrically positioned either side of the ramp centreline and the 100mm is only a tolerance on the degree of symmetry.		
Rationale	<p>Under the drafting requirements for a PAS, it is unreasonable to specify that the lines should be “symmetrical” as any deviation from perfect symmetry, regardless how small, would then render the vehicle non-compliant. The intention behind the wording, is that the two lines have to be symmetrical (an unspecified distance apart) either side of a vertical plane which, itself, lies within 100mm of the centreline of the ramp.</p> <p>Ramp CL</p> <p>Ramp CL OK. Because regardless how far apart they are, they are symmetrical about the red plane which itself lies within 30mm of the ramp centreline.</p> <p>Ramp CL Only just OK. Regardless how far apart they are, they're symmetrical about the red plane which is right on the 100mm limit from the ramp centreline.</p> <p>Ramp CL OK because they are symmetrical about a plane which coincides with the ramp centreline. However, being only 300mm apart, they'd probably fall foul of the recommendation not to come into contact with the wheelchair user.</p> <p>Ramp CL Not OK. They're symmetrical about the red plane, which is more than 100mm from the ramp centreline.</p> <p>Ramp CL OK, even at 500mm apart, because they're symmetrical about the red plane that lies 75mm from the ramp centreline.</p>		
Effective date	27 /04/2021		