

PAS 2012 Technical Interpretation		Interpretation number	013
Title	Winch Safe Working Load		
PAS Version	2012 : 2015		
Clause(s)	5.6.2.2		
Enquiry	<p>“The PAS document refers to the SWL as not being greater than the line pull, P. If $P=(85+75)*\sin$ of the ramp angle, the resulting number will be very small, (for example 30kg). Marking this on the winch might cause a lot of confusion. Is it acceptable to mark both numbers on the winch? (i.e. PAS SWL 30Kg but also add the capacity of 150Kg)?”</p> <p>Should the requirement not be for the sticker to give the heaviest combined wheelchair plus user that can be hauled up the ramp?</p>		
Decision	ONLY the larger mass needs to be marked on the winch.		
Rationale	<p>The original clause is misleading and does, indeed, lead to the “line pull” being marked on the winch as the safe Working Load. This is a meaningless figure for any end user and will only cause confusion if marked. The clause will be re-drafted in the next review, scheduled for the end of 2017. In the meantime, please use the following alternative text when applying 5.6.2.2</p> <p>5.6.2.2 The SWL shall not be greater than the value of $(M_{max} + 75)$ used in 5.6.1.2.</p>		
Effective date	2/05/2017		