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ROLLING RESISTANCE			WINCH POWER REQUIRED =
(W=Weight)	<b>MAX</b>	<b>MIN</b>	<b>1. Rolling Resistance + 2. Damage Resistance + 3. Gradient Resistance</b>  <b>DAMAGE RESISTANCE =</b>  Weight of the casualty Multiplied by no. of damaged wheels Divided by total no. of wheels  <b>GRADIENT RESISTANCE =</b>  Weight of the casualty ÷ 60 Multiplied by the slope (in degrees)
<b>Smooth Road</b>	$W \div 25$		
<b>Grass</b>	$W \div 7$	$W \div 4$	
<b>Gravel</b>	$W \div 7$	$W \div 5$	
<b>Beach Shingle</b>	$W \div 3$		
<b>Sand</b>	$W \div 6$	$W \div 2$	
<b>Mud</b>	$W \div 3$	$W \div 2$	
<b>Soft Clay</b>	$W \div 2$		
<b>BOG to axle</b>	$W \times 1$		
<b>BOG to wheel top</b>	$W \times 2$		
<b>BOG to rad. top</b>	$W \times 3$		