

Tyre pressures to length of footprint

Data taken from test of a B.F.Goodrich 16 x 235 mud terrain tyre fitted to the rear axle of a Range Rover.

Tyre pressure		Length of footprint	
38 psi	262kpa	9 3/8"	237mm
30 psi	207kpa	10 9/16"	268mm
14 psi	96kpa	12 13/16"	325mm
12 psi	83kpa	13 3/4"	349mm
10 psi	69kpa	14 1/2"	368mm

Tyre pressure		% increase of footprint		
from	to	from	to	
38 psi	14 psi	262	96 kpa	37%
30 psi	14 psi	207	96 kpa	21%
38 psi	12 psi	262	83 kpa	47%
30 psi	12 psi	207	83 kpa	30%
38 psi	10 psi	262	69 kpa	55%
30 psi	10 psi	207	69 kpa	37%

Cross ply or bias tyres air pressure can be lowered lower than radial ply tyres increasing the footprint even further.

