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**Lance Keimig**



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 relation  $z \geq \frac{1}{\sin^2 \phi}$  eq 1 substituting values in above equation minimum number of teeth on pinion are 18 standard gear  
 ratio for rack and pinion 1 5 therefore no of teeth on rack 18 1 5 27 3 3 selection of

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 directly converts the rotation of the steering wheel to straight line movement at the wheels the steering gear consists of the  
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