

ABSTRACT

The present invention relates to an explosion-proof security tyre for vehicles. The tyre includes an outer tyre, a split rim, a L-shaped sealing ring, a combined support loop and a valve core. The combined support loop includes a plurality layers of support rings they are sleeved by layer on layer and fixed with the rim. The size of the tyre can increased by the combined support loop so as to furthest shorten the distance between the inner wall of the outer tyre and the outer wall of the combined support loop at a normal pressure of tyre. At the moment that the tyre is burst, the combined support loop can support the outer tyre quickly and effectively, and control the change of acting radius of the tyre in a minimum range so as to ensure the basic performance of the tyre and to prevent accidents caused by sudden control loss of running direction and avoid potential security risks. Moreover, the split rim is benefit for mounting the combined support loop by layering, and is easy to be assembled and disassembled so that the tyre can be maintained and replaced by normal tools.



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