

NOMINEE



Mack Trucks (Volvo) Twin Y Rear Suspension

The Mack Twin Y is a trailing arm style suspension featuring two stamped high strength steel blades which clamp the top and bottom surfaces of the axle. They contain four bushings at the top and bottom axle seats, thus providing a mechanical advantage to prevent axle windup from braking and tractive forces which are present in any typical trailing leaf spring air suspension.



- The Mack Twin Y is a trailing arm style suspension with two stamped high strength steel blades that weighs up to 403 lbs less than the Mack AL Series
- Trucking industry first for class 8 market to use high strength steel blades in place of spring steel
- Significant ride and handling improvements as well as significant tire wear reduction in the new Mack Trucks Pinnacle 2014
- MotionView used to create the correct suspension geometry and desired suspension responses. Once design prototyped was proven, it was further improved by optimizing the spring hanger bracket and axle seats using OptiStruct



Presented in collaboration with:

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