

# HOLLAND KOMPENSATOR®

KOMPENSATOR  
BASES FOR  
FW35 AND FW70  
FIFTH WHEELS





# KOMPENSATOR®

## CAPACITY

- 165 kN D-Value

## WARRANTY:

- 12 Months Materials and Workmanship Warranty

**THE KOMPENSATOR IS A PATENTED SPECIALITY FIFTH WHEEL DESIGNED FOR USE WITH TORSIONALLY RIGID TRAILERS SUCH AS LIQUID & DRYBULK TANKERS, BOTTOM DUMPS, GRAIN AND B-DOUBLES. AVAILABLE IN STATIONARY, STABILISED OR SLIDING MODELS.**

## FEATURES:

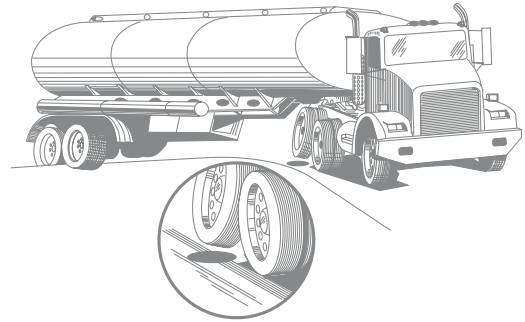
- Patented construction for applications where torsional relief between truck/trailer is desired, eg. tank trailers.
- Stress reductions up to 130% in the trailer plate, 40% in the cargo tank and 25% in the trailer frame.
- Improves stability, axle-weight distribution, and tyre tread life.
- Incorporates the rugged cast steel top plates from the Holland pro-hitch 351, FW342 LowLube™ or FW70 fifth wheels for long life and high strength capabilities.
- Recommended for use where trailer centre of gravity is at or below 1 metre above the top of the fifth wheel.
- Mounting must be carried out in accordance with our instructions.
- Standard fifth wheel height = 240mm

## PROBLEM:

When torsionally rigid trailers encounter uneven terrain, tight turns, curbs, etc. they do not flex to relieve the twisting force experienced between truck and trailer. This puts great strain on truck and trailer frames, tank and tyres. (Figure 1)

The results are frame cracks, tank leaking and premature drive tyre wear.

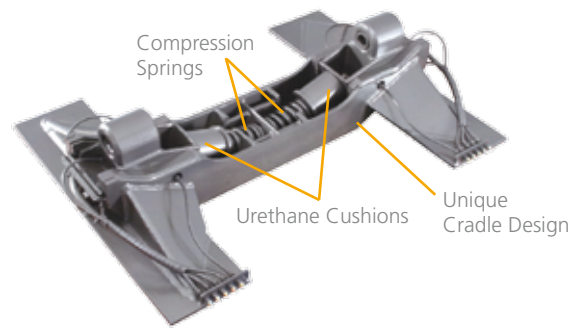
Figure 1



## SOLUTION:

A compensating fifth wheel to provide torsional stress relief. The Kompensators' unique cradle design (Figure 2) provides side-to-side compensation. It allows more flexibility between truck and trailer by reducing torque and twist transfer through the fifth wheel.

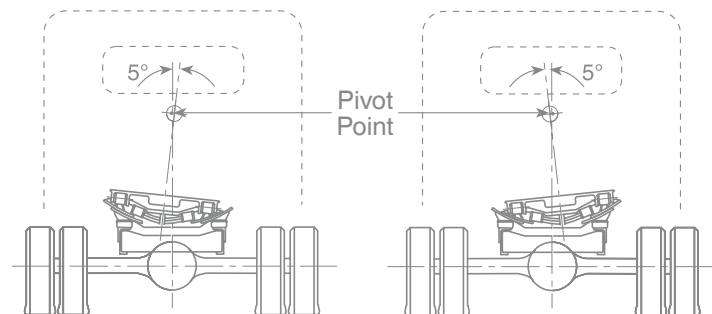
Figure 2



## KOMPENSATOR BASE DESIGN:

Only fifth wheel in the world with unique "Kompensation" to help reduce frame and tank damage.

Provides smooth, spring cushioned kompensation through a 10 degree range.



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