



## ENGINEERING TECH BULLETIN

### Use of Liteflex SimilAir™ Composite Spring in Hutch Suspensions

Hutchens Industries has elected to allow the installation the Liteflex SimilAir™ 11173 or 11220 springs into limited configurations of the H/CH9700 and 9600 suspensions. The 11173 spring is to be used with the 5-inch round axle and the 11220 is used with the 5 ¾ or 6-inch round axles.

The springs may be installed in the majority of overslung (spring over the axle) suspension configurations available from Hutchens, however, there are some limitations.

- The springs cannot be used with underslung axle configurations.
- The springs will not fit into suspensions requiring the use of inverted U-bolts.
- The springs cannot be installed into hangers using supplemental wear pad liners or limited spring freeplay (LSF) bushings.

Installation requires the omission of the conventional spring top-plate and the selection of the proper U-bolt length to accommodate the over-clamp of these specific springs. As opposed to the current 16316-01 composite spring, the use of heavy-duty seats are not required. The 11173 or 11220 springs installs on the axle using either ¾ or 7/8-inch U-bolts with locknuts using the installation torque values as shown on decal 16354-01.

The 11173 spring will produce a nominal 14.875-inch mounting height the 11220 when used with the 5 ¾ inch axle will produce a 15.25-inch mounting height and a 15.375-inch mounting height when used with a 6-inch axle. These are all at no-load when installed with 0.75-inch spring seats in a fabricated under-mount suspension with a 49 inch wheelbase.

Should you have an application for one of our suspension and intend to use the Liteflex Similar™ spring we suggest you contact Hutchens Industries at 1-800-654-8824. We can supply further information regarding the suspension configurations that will accommodate these springs and can assist in the selection of the proper seat and U-bolts.

Contact Liteflex for availability and additional information regarding these springs. Liteflex LLC will be responsible for all sales, service, and warranty on the SimilAir™ composite springs.

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