

Safety Chains & Drawbar Guidelines

Safety Chain Guidelines

SAE Recommended Practice J697 states that “The safety chain and the means of attaching to the towed and towing vehicles must have an ultimate strength of not less than the TVW (towed vehicle weight) of the vehicle or vehicles being towed.” The recommendation further requires “each chain or cable and its attachment shall have a capacity equal to the TVW of the vehicle or vehicles being towed.” Sauber Mfg. Co. follows these recommendations.

| Sauber Mfg. Co. Safety Chain Configurations | | |
|--|--|---------------------------------------|
| Chain Group Drawing | Working Load Limit (WLL) Chain & Hook | Maximum Trailer GVWR (WLL x 4) |
| 1/4"-Grade 70 - 9053ST | 3150 lbs | 12600 lbs |
| 3/8"-Grade 70 - 8256ST | 6600 lbs | 26400 lbs |
| 1/2"-Grade 70 – 8143ST | 11300 lbs | 45200 lbs |

Drawbar Guidelines

Drawbars (pintle eyes) are selected based on SAE J847 practice and are installed with Grade-8 fasteners w/ lock nuts torqued to manufacturer's recommendations. Except for specialty situations, Sauber Mfg. Co. has standardized on a 3" ID drawbar because it is compatible with all Holland pintle hooks and has a 15000 lbs vertical and 60000 lbs GVWR rating.