

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.