

Destruction Testing Proves this New Chain is Worthy of Your Operation.



Tensile Load Required to Break Chain.

type of chain	0.195" dia rods	0.225" dia rods
Formed 14 gauge	2410#	
Formed 12 gauge		3360#
GEM Equipment	4870#	6970#

Breaking Strength in # tension maximum working load should be 1/5 of breaking strength.

Pull Test used to determine Breaking Strength.

In performing a pull test, an increasing load is applied, under controlled conditions, until the chain fails. This determines the force required to break the chain. To obtain a comparison, pull tests were performed on the formed chain and the new heavy-duty chain. These test revealed that the heavy-duty chain had approximately twice the strength compared to the older style formed chain. With the formed chain, the links failed. With the machined chain, the pins failed.

Batter Applicator



Batter Belt Head Shaft



GEM manufactures the sprockets.

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