

DIY MODELS

44609 W. Canyon Creek Dr.
Maricopa, AZ 85139-5019

GUNDERSON MAXI STACK IV WELL CARS

The Maxi-Stack® IV car is the mainstay of the United States domestic double-stack car fleet, because it provides the optimum balance between tare weight and capacity. It is a three unit articulated double-stack car that can handle containers from 20' to 53' long in the well and containers from 40' to 57' in the top position. The Maxi-Stack IV utilizes 70-ton end trucks and 125-ton intermediate trucks.

Dimensions per 3 car unit (approximate)	
Length over couplers 203 11 3/4"	Height, extreme loaded 20' 2' – (2-9'6" H Cont.)
Length, between truck cen., end unit 63' 1"	Width, over side sills 9' 109/16"
Length, between truck cen., intermediate unit 63' 7"	Width, extreme 10' 8"
Height, top of rail to top of side sill 5' 1"	Well size, end unit 53' x 102 3/8"
Height, rail to support surface (empty) 12' 1/16"	Well size, intermediate unit 53' x 102 3/8"
WEIGHT / CAPACITY	CURVE NEGOTIABILITY RADIUS
Lightweight 135,700 lbs.	Uncoupled, horizontal 180'
Gross rail load 486,100 lbs.	Uncoupled, vertical 1,250'
Capacity, net 350,400 lbs.	Coupled to like car 306'
Average capacity per well 116,800 lbs.	Coupled to 40' base car 302'
These general dimensions are representative and subject to change without notice as required by customer specifications or design improvements by Greenbrier.	

Tools

All basic model workers tools – files, motor-tool with fine burrs, hobby knife, 1/8" drill, Wood blocks for holding parts square, metal square, etc.

BILL OF MATERIAL FOR GUNDERSON STACK TRAIN WELL CARS						
REF	QTY	MTL. SIZE	LENGTH OR QUANTITY			DESCRIPTION
			A or B	C,D,E	SINGLE	
A	2	.100 x .125	63'0"	61'6"	65'0"	Top Sill Section
B	2	.100 x .156	63'0"	61'6"	65'0"	Center Section
C	2	.100 x .156	55'6"	56'6"	56'6"	Bottom Section
D		8'9" x 11'0" x .040	1		2	End Platform - large
E	2	8'9" x 2'9" x .040"				End Support
F		8'9" x 3'9" x .040"	1	2	0	End Platform - small
G	2	.040" x 8'9" x 53'6"				Bottom Sheet
H						
I		.080" x .250" x 3'6"	1	1	0	Drawbar Spacer
J		.080 x .250 x 7'6"	1	2	0	Drawbar
K		.080" x .250" x 3'6"	1	2	0	Drawbar Spacer
L		.080" x .250" x 11'0"	1	0	2	Coupler & Bolster Support
M	4	.060" x .250" x 3'6"	2	0	4	Bolster Support
N		.125" x .250" x 8'9"	1		2	Bolster
P		.020" x .125" x 9'0"	1		2	End Sill
Q		.100 x .250 x 8'6"	1	0	2	Long Top Deck
R		4' x 8'6"	1		2	Long Top Deck Support
S		.100 x .100 x 8'6"	1	2	1	Short Top Deck Support
T		.040 x 2'0" x 8'9"	1	2	0	Short Top Deck
Decimal dimensions are inches. All others are in HO scale feet						





