

DIY MODELS

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

GUNDERSON MAXI-STACK I WELL CARS

The Maxi-Stack® I is a five-unit articulated double-stack car that carries one 40' or two 20' ISO containers in each of its five wells. Additionally, the car carries 40', 45', or 48' containers in any top position, as well as boxes on certain Platforms. Featuring 125-ton trucks and unique patented side sills with "strength rings," the Maxi-Stack I has an ideal ratio between tare weight and strength.

DIMENSIONS per 5-unit car (Approximate)

Length, over couplers (5-unit car) 265' 1 1/2"	Height, extreme - 20 2" Loaded with 2-9' stacked containers
Length, between truck centers, end unit 50' 2"	Width, over side sills 9' 1 1/2"
Length, between truck centers, inter. 50' 3 1/4"	Width, between side sills 8' 1 1/2"
Height, top of rail to top of side sill 4' 9 3/8"	Width, extreme 10' 8"
Height, rail to support surface (empty) 11' 1/16"	Well Size 40' 0' x 8' 0"
WEIGHT/ CAPACITY (Estimated)	CURVE NEGOTIABILITY RADIUS
Light weight 177,200 lbs.	Uncoupled 180'
Gross rail load 800,500 lbs.	Coupled to like car 248'
Capacity, net 623,500 lbs.	Coupled to 40' base car 245'
Average capy per well 124,700 lbs.	

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	48'0"	46'6"	50'0"	Top Sill Section
B	2	.100 x .156	48'0"	46'6"	50'0"	Center Section
C	2	.100 x .156	41'6"	41'6"	41'6"	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	.060" x .100"	40'6"	40'6"	40'6"	
H	7	.060" x .100" x 7'3"	4	4	4	Cross Bearers to make 8'9" frame – space evenly – drawing shows more for larger car
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



