

# DIY MODELS

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

## GUNDERSON AP-53 WELL CARS

The 53' All-Purpose (AP53) double-stack well car is a single unit designed to maximize flexibility. It can carry either containers or trailers with ease. The AP53 has a 53' well to accommodate containers from 20' to 53' long, as well as containers from 40' to 53' long in the top position. Additionally, the AP53 can accommodate two 28' pup trailers or one long trailer up to 57' long. Each car is capable of carrying nose-mounted containers or trailer refrigeration units.

<b>DIMENSIONS (Approximate)</b>		
Length, over couplers 76 8 3/4"	Height, extreme 20' 2" – 2- 9'6" stacked cont.	
Length, between truck centers (per well) 62' 7"	Width, extreme 10' 7 15/16"	
Height, top of rail to top of side sill 4' 3/16"	Well Size 53' x 102 3/8"	
Height, rail to support surface (empty) 12' 1/16"		
<b>WEIGHT / CAPACITY (Est.)</b>		
Light weight 54,000 lbs.	<b>CURVE NEGOTIABILITY RADIUS</b>	
Gross rail load 220,000 lbs.	Uncoupled 180'	
Load limit 166,000 lbs.	Coupled to like car 303'	
	Coupled to 40' base car 299'	
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.

<b>BILL OF MATERIAL FOR GUNDERSON STACK TRAIN WELL CARS</b>						
			<b>LENGTH OR QUANTITY</b>			
<b>REF</b>	<b>QTY</b>	<b>MTL. SIZE</b>	<b>A or B</b>	<b>C,D,E</b>	<b>SINGLE</b>	<b>DESCRIPTION</b>
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"	55'6"	55'6"	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"	53'6"	53'6"	53'6"	
H	7	.060" x .100" x 7'3"	7	7	7	Cross Bearers to make 8'9" frame
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



