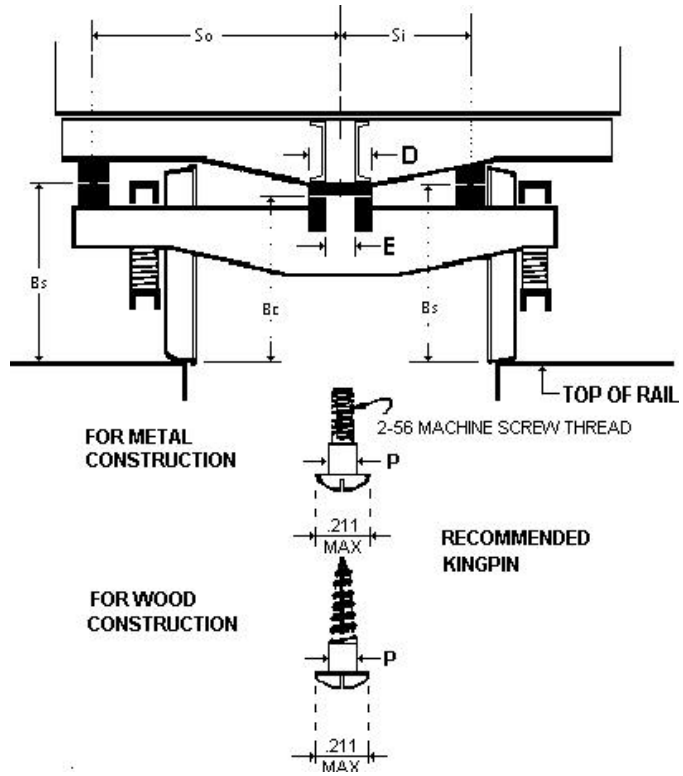


NMRA RECOMMENDED PRACTICES	
BOLSTERS	
Revised Dec 2011	RP-23

NMRA RECOMMENDED PRACTICES RP-23 Bolsters



Note: Specifications on this sheet are designed to permit easy interchange of trucks between cars.

For On3 Scale: **D** shall not exceed 3/8" on either body or truck bolsters.

Name of Scale	P Kingpin Size	E Truck Bolster Hole	D Center Plate Dia.	Bc Center Bolster Bearing Above Top of Rail	Frnt. Cars	Pass. Cars
O, O(17)	.112" (#4)	.116 (#32 Drill)	1/4"	17/32"		43/64"
S	.112" (#4)	.116 (#32 Drill)	3/8" ---- Max	13/32"		1/2"
OO	.112" (#4)	.116 (#32 Drill)	3/8" ---- Max	11/32"		27/64"
HO	.086" (#2)	.089 (#43 Drill)	3/8" ---- Max	5/16"		3/8"
TT	.073" (#1)	.081 (#46 Drill)	5/32"	15/64"		15/64"
HOn3	.086" (#2)	.094 (#42 Drill)		1/4"		9/32"

Name of Scale	Bs Side Bolster Bearing Above Top of Rail		Si cc Distance	So Side
	Frnt. Cars	Pass. Cars	Bolster Bearings to Center Inside Type	Bolster Bearings to Center Outside Type
O, O17	5/8"	49/64"	17/32"	1"
S	Side bearings not recommended.			
OO	Side bearings not recommended.			
HO	Side bearings not recommended.			
TT	Side bearings not recommended.			
HOn3				

Note:

Use passenger car bolster bearing heights on tenders and high speed freight cars generally fitted in the prototype with passenger type trucks.

Body kits shall be supplied with the recommended kingpin and with body bolsters so designed that couplers will be at **STANDARD** height (see **STANDARD S-1**) when the bottom face of the body bolster center and side bearings are at recommended height (**Bc** and **Bs** respectively) above top of rail. Lower face of body bolster shall allow clearance for maximum center bearing diameter on truck bolster.

Truck bolsters shall have center hole diameter to accommodate the recommended kingpin and depth of the hole shall not exceed 5/64". Clearance below shall accommodate the recommended screw head, and clearance above shall accommodate the maximum diameter center bearing on the body bolster.

Insulating means shall be provided to prevent passage of current between the wheels and the car body.

Revision History

1. 1961: unknown revisions from previous version
2. December 6, 2011: Corrected drawing of 'D' dimension.
- 3.