

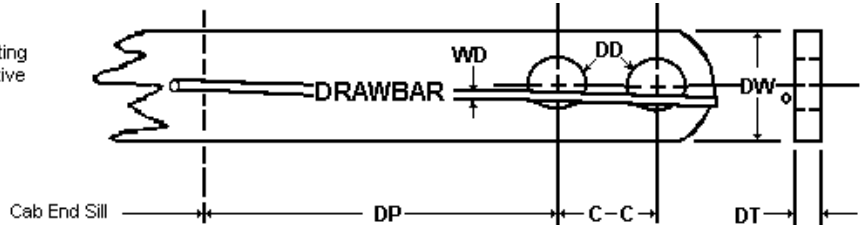
NMRA RECOMMENDED PRACTICES	
LOCOMOTIVE --- TENDER DRAWBAR and PIN DIMENSIONS	
RP-37.1	Approved: Mar. 1997

NMRA RECOMMENDED PRACTICES RP-37.1 Locomotive - Tender Drawbar and Pin Dimensions

This sheet establishes the "standardized" dimensions of locomotive Drawbars and tender pivot Pins to support the relationships of **RP-37**.

To assure positive electrical contact between the Drawbar and the tender pivot Pin, a wire spring may be soldered to the Drawbar so as to lie across both holes, thus bearing with spring pressure against the Pin when it is inserted in operating position.

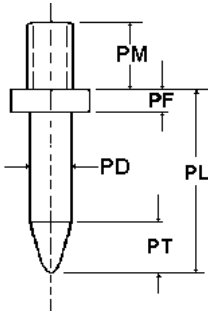
Drawbar Mounting
to suit Locomotive



Materials used for the Drawbar and its spring wire should be electrically conductive such as Brass or Nickel-Silver. Nickel plating of the Brass will prevent oxidation.

DRAWBAR DIMENSIONS

Scale	Height DH	Width DW	Thickness DT	Hole Dia. DD	Hole Centers CC	Wire Dia. WD
O On3						
S Sn3						
HO HOn3	5/16"	11/64"	.040"	#45 drill(.082)	5/32"	.022"
TT TTn3	17/64"	1/8"	.032"	#51 drill(.067)	1/8"	.022"
	7/32"	1/8"	.032"	#51 drill(.067)	1/8"	.022"



TENDER PIN DETAILS

The tender pivot Pin should be mounted to the tender floor so as to clear the railhead by the amount specified in the Table below and setback from the tender end sill by the amount specified in **RP-37**. Mounting may be threaded as shown, or firmly soldered in place, to be in conductive connection to tender trucks. If the tender floor height varies from that shown, Pin length should be modified to suit.

Material used for the Pin should be electrically conductive, such as Brass or Nickel-Silver. Nickel plating of the Brass will prevent oxidation.

TENDER PIN DIMENSIONS

Scale	Clearance PC	Diameter PD	Length PL	Taper PT	Flange PF	Mounting PM
O On3						
S Sn3						
HO HOn3	3/32"	.078"	11/32"	3/32"	5/32Hex x 3/64	2-56Th'd x 3/64
TT TTn3	5/64"	.062"	9/32"	1/16"	7/64Hex x 3/64	1-72Th'd x 1/16
	5/64"	.062"	13/64"	1/16"	7/64Hex x 3/64	1-72Th'd x 1/16