

# RAILBOUND MANGANESE FROGS



A **Railbound Manganese Steel Frog** is constructed with a manganese-steel body casting. This casting is fitted into and between four rails that are specially fabricated from standard tee rails. The assembly is fastened with heat-treated bolts. This type of frog is used for heavy and/or high-speed main line service, where the traffic is approximately equal on both sides of the frog.

## Standard AREMA Frog Lengths Rails 112 lb. or Heavier

Frog No.	Total Length	Toe Length	Toe Spread	Heel Length	Heel Spread
6	11'0"	3'9"	7"	7'3"	14-15/16"
7	12'0"	4'8-1/2"	7-9/16"	7'3-1/2"	13"
8	13'0"	5'1"	7-1/8"	7'11"	12-3/8"
9	16'0"	6'4-1/2"	8"	9'7-1/2"	13-5/16"
10	16'6"	6'5"	7-3/16"	10'1"	12-5/8"
11	18'8-1/2"	7'0"	7-1/8"	11'8-1/2"	13-1/4"

## Quantities of Hook Twin Tie Plates

5-1/2" Base Rail						
Frog	L23	L27	L31	LR23	LR27	LR31
6	4	8	2	2	2	2
7	4	10	2	2	2	2
8	6	10	2	2	4	2
9	8	10	2	2	4	2
10	10	10	2	2	4	2
11	10	12	2	4	2	2

6" Base Rail						
Frog	L23	L27	L31	LR23	LR27	LR31
6	4	8	2	2	2	2
7	4	10	2	2	2	2
8	6	10	2	2	4	2
9	8	10	2	2	4	2
10	10	12	2	2	4	2
11	10	14	2	4	2	4