

RAILBOUND MANGANESE FROGS



A **Railbound Manganese Steel Frog** is made using a manganese-steel body casting, which is installed between and secured to four specially crafted rails made from standard tee rails. The entire assembly is held together with heat-treated bolts. This frog type is designed for heavy-duty and/or high-speed mainline operations where traffic volume is roughly balanced 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