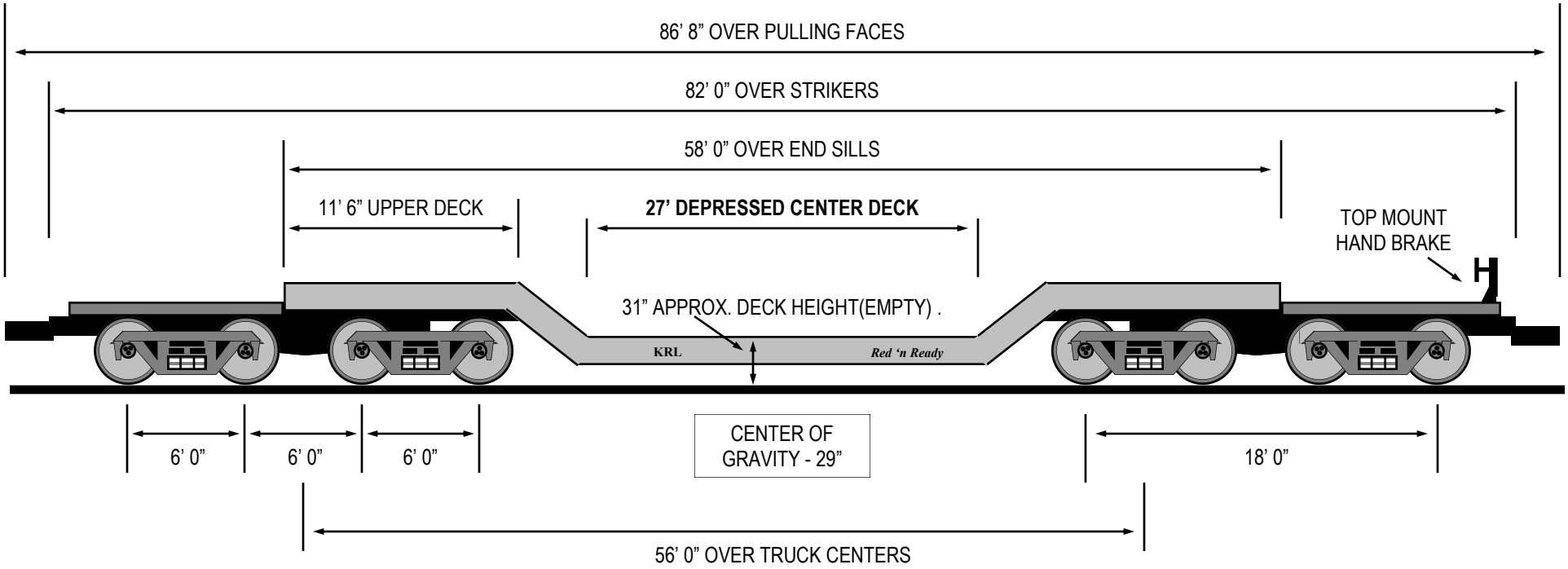
KRL 27100-27106



LENGTH OF LADING (ft)	LOAD LIMITS (lbs)	CAR NUMBERS	LOAD LIMITS (lbs)	LIGHT WEIGHTS (lbs)	MAXIMUM GROSS (lbs)	SPRING TRAVEL (in)	DECK LENGTH (ft-in)	DECK HEIGHT (ft-in)	JOURNAL SIZE BEARING TYPE
2	413,000	**27100-27106**	464,000	166,000	630,000	3 11/16”	27’ 0”	2’ 7”	7 X 12 ROLLER
4	420,000					WHEEL DIAMETER (in)	DECK WIDTH (ft-in)	DRAFT GEAR	
6	428,000								
8	437,000								
10	437,000					38”	9’ 4”	15” EOC	
12	445,000								
14 & OVER	LOAD LIMIT								

KRL 27100-27106
232 Ton - 27’ Depressed Deck Flat Car
Drawing No. A19617 Rev. A

GENERAL NOTES:

NO CUTTING, WELDING, OR BURNING ALLOWED IN DECK TRANSITION AREAS EITHER END OF RAILCAR.

COOPER RATING
KASGRO RAIL CORP
27100-27106

LOAD	AXLE SPACING
78.75	6
78.75	6
78.75	6
78.75	38
78.75	6
78.75	6
78.75	6
78.75	0

SPAN	BENDING		END SHEAR		FLOOR BEAM REACTION	
FT	FT-KIPS	E	KIPS	E	KIPS	E
6	118	78.4	74	63.0	79	59.1
8	157	78.7	98	71.0	118	67.2
10	197	70.0	110	73.1	141	70.7
12	266	66.4	118	67.4	158	67.5
13	303	63.8	124	67.1	170	68.9
14	354	64.4	134	69.6	180	69.0
15	413	66.1	142	70.8	189	69.1
16	472	67.5	145	68.4	197	69.2
18	590	69.4	157	67.2	210	69.2
20	709	68.7	169	67.7	221	67.3
25	1052	69.0	198	69.9	239	63.3
30	1441	70.2	218	69.3	252	58.4
35	1831	70.0	233	67.3	261	53.5
40	2223	67.8	243	64.5	268	49.5
45	2614	65.3	249	61.0	275	46.1
50	3007	63.6	256	58.5	287	44.3
60	3792	58.6	271	54.9	336	43.7
70	4578	53.6	300	54.3	378	42.5
80	5364	49.5	333	53.7	410	41.0
90	6230	46.5	367	53.4	434	39.5
100	7499	46.4	392	52.2	454	38.0
110	9021	45.1	415	51.4	470	36.8
120	10554	45.8	432	49.7	483	35.3
130	12092	44.4	448	48.4	494	34.1
140	13636	43.8	459	46.7	504	32.6
150	15183	43.4	470	45.7	591	36.4
160	16735	41.9	481	43.9	520	30.1
170	18289	40.8	491	43.1	526	29.0
180	19845	40.1	497	41.3	532	27.8
200	22964	38.5	509	38.9	542	25.8
225	26869	36.7	524	36.4	552	23.6
250	30782	34.8	535	34.1	559	21.7
275	34698	33.1	543	31.9	566	20.0
300	38619	31.5	551	30.1	571	18.6
350	46466	28.4	563	27.0	580	16.3
400	54322	25.8	569	24.3	586	14.5