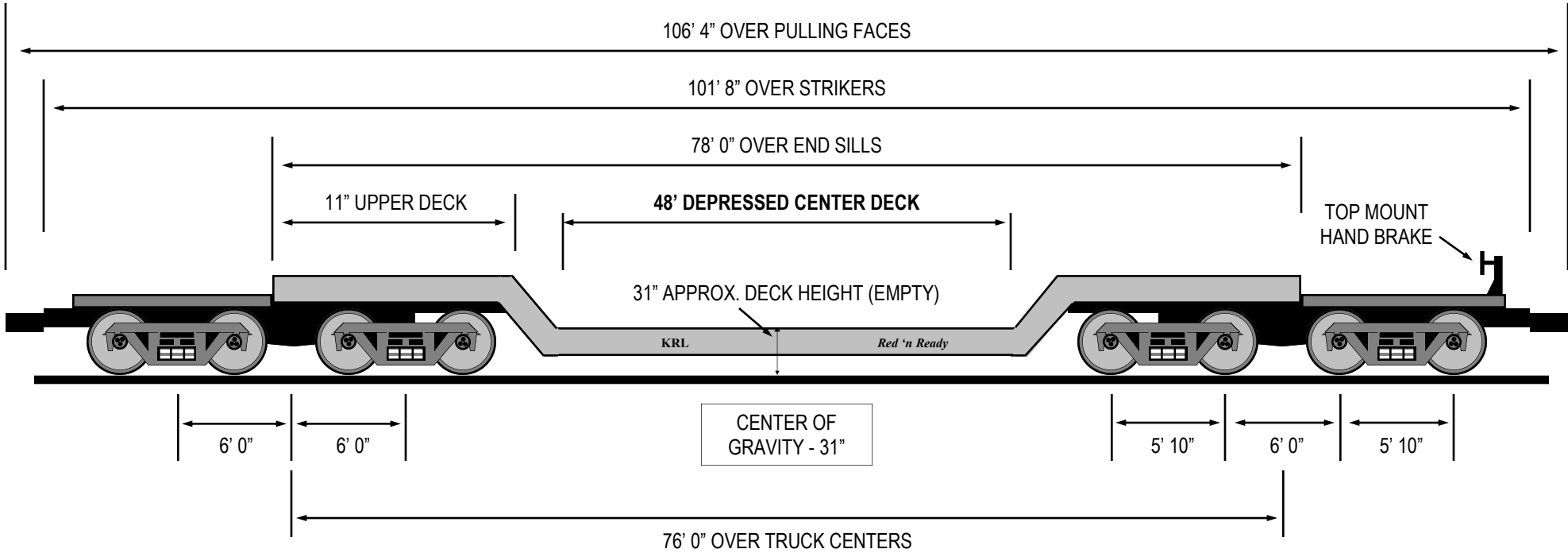


KRL 152



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
0	209,400	152	320,000	206,000	526,000	3 11/16"	48' 0"	2' 7"	6 1/2 X 12 ROLLER
4	222,600					WHEEL DIAMETER (in)	DECK WIDTH (ft-in)	DRAFT GEAR	
8	298,000					36"	8' 6"	15" EOC	
12	306,000								
16	315,000								
18 & OVER	LOAD LIMIT								

KRL 152
160 Ton - 48' Depressed Deck Flat Car
Drawing No. A19602, Rev. C

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

COOPER RATING
KASGRO RAIL CORP
KRL 152

LOAD	AXLE SPACING
65.75	5.83
65.75	6.17
65.75	5.83
65.75	58.17
65.75	5.83
65.75	6.17
65.75	5.83
65.75	0

SPAN FT	BENDING		END SHEAR		FLOOR BEAM REACTION	
	FT-KIPS	E	KIPS	E	KIPS	E
6	99	65.7	67	57.8	68	50.7
8	131	65.7	81	59.1	98	56.0
10	165	58.7	91	60.9	118	59.0
12	226	56.5	98	55.9	132	56.4
13	257	54.1	104	56.5	142	57.5
14	296	53.8	106	55.2	150	57.6
15	345	55.2	117	58.7	158	57.7
16	394	56.3	123	57.9	164	57.8
18	493	58.0	132	56.5	175	57.8
20	592	57.4	145	57.9	184	56.2
25	879	57.7	169	59.4	200	52.9
30	1204	58.7	184	58.3	210	48.8
35	1530	58.5	194	56.2	218	44.7
40	1857	56.6	203	53.8	224	41.3
45	2184	54.6	210	51.3	228	38.3
50	2511	53.1	215	49.3	231	35.8
60	3166	48.9	224	45.4	237	30.8
70	3822	44.8	229	41.4	246	27.7
80	4479	41.4	237	38.1	276	27.6
90	5135	38.3	250	36.5	304	27.7
100	5792	35.8	278	37.1	326	27.4
110	6449	32.2	297	36.8	344	27.0
120	7106	30.8	319	36.7	359	26.3
130	7975	29.3	335	36.2	372	25.7
140	9210	29.6	346	35.2	383	24.8
150	10473	29.9	361	35.1	393	24.2
160	11740	29.4	371	33.9	401	23.2
170	13015	29.1	377	33.1	408	22.5
180	14293	28.9	387	32.2	415	21.7
200	16862	28.3	402	30.7	426	20.3
225	20088	27.4	416	28.8	437	18.7
250	23325	26.4	426	27.1	446	17.3
275	26573	25.4	436	25.6	453	16.1
300	29826	24.3	443	24.2	459	15.0
350	36347	22.3	453	21.7	469	13.2
400	42884	20.4	461	19.7	476	11.8