



The wheel loads listed are only a guideline. The max. dyn. wheel load listed is based on the structural integrity of the frame and load placement, and it does not take into account permissible wheel loading or bearing life. The load placement is at the center of each truck. The permissible dynamic wheel load listed is based on assumptions that the bridge speed is 32 m/min [100 fpm], end truck duty is Fem Zn, and the runway rail as listed. The actual wheel load should not exceed the permissible wheel load. If the permissible dynamic wheel load is greater than the maximum dyn wheel load, then the actual wheel load cannot exceed maximum dyn wheel load.
 Dyn wheel load = 1.15x static wheel load.

Product Code example
RTN40B1675-S62180C1100-N

N=standard, E=Special
 -primer paint, color code
 Inner wheel distance (S), 1000 mm [39.37"] min.
 Buffer type
 Joint plate distance (pin to pin, with double DG girder)

Joint plate code
 * = 1WD, D = 2WD (Number of driving wheels/end carriage)
 Wheel groove = UU
 Wheel base = SS
 B = Bogie
 Type of end carriage

Wheelbase code	SS	Max dyn whl load, (kip)	Permissible whl load, (kip)	Approx. Wt.*/Bogie Trk (lb)
16	5'-3"	78.8	ASCE 60 45.7	3821
18	5'-10 7/8"	78.8	ASCE 85 50.7	4023
20	6'-6 3/4"	78.8	BETH 135 66.6	4231
22	7'-2 5/8"	78.8	66.6	4433
25	8'-2 7/16"	78.8	66.6	4742

Joint plate	JPL	B max	Weight/pc (lb)
K4	20.47"	16.14"	86
K5	24.80"	20.47"	104
K7	33.46"	29.13"	137
K9	43.31"	38.98"	174

Minimum wheelbase with K9 joint plate is 10'-4".

Item	Weight, lb
QM6	73
Bogie connector	128 lb * (1.1 * (S - 26.61"))

*Approximate weight of end truck assumes GESS drive wheel K5 joint plate, and bogie connector for S = 1100 mm. QM6 drive parts adds extra weight.

Buffer type	L1	Ø
B	2 11/16"	3 3/16"
C	3 5/16"	3 15/16"
D	4 1/8"	4 15/16"
E	5 15/16"	3 15/16"
F	7 1/2"	4 15/16"
H	6 5/16"	6 5/16"
I	7 7/8"	7 7/8"
M	4 15/16"	4 15/16"
P	9 7/16"	6 5/16"
S	11 13/16"	7 7/8"
T	13 3/4"	9 7/8"
Y	18 3/4"	9 7/8"

B, C, D rubber
 K, G, E, F, H, I, M, P, S polyurethane