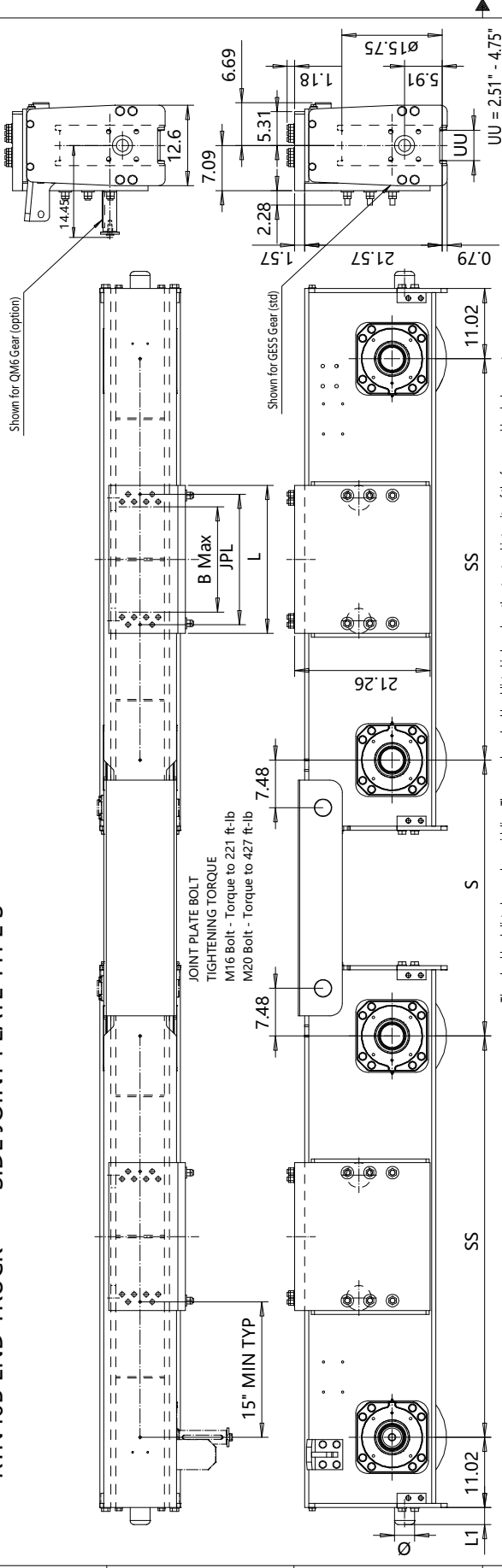


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RTN40B END TRUCK SIDE JOINT PLATE TYPE S



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 2m, 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 = 1.15 x 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

Joint plate	JPL	B max	L	Weight/pc (lb)
S6	20.47"	16.14"	11.42"	306
S7	28.35"	24.41"	31.5"	408
S9	43.31"	38.98"	46.06"	584

Minimum wheelbase with S9 joint plate is 10'-4"

*Approximate weight of end truck assumes GESS drive wheel, S6 joint plate, and bogie connector for S = 1100 mm. QM6 drive parts adds extra weight.

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

Wheelbase code	SS	Max dyn whl load, (kip)	Perm dyn whl load, (kip)	Approx. Wt.*/Bogie Trk (lb)
16	5'-3"	78.8	ASCE 60 45.7	BETH 135 4226
18	5'-10 7/8"	78.8	ASCE 85 50.7	66.6 4429
20	6'-6 3/4"	78.8	50.7 66.6	4636
22	7'-2 5/8"	78.8	50.7 66.6	4839
25	8'-2 7/16"	78.8	50.7 66.6	5148

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		

Design	Chd	Ref Drawing
ETTPA	ETTPA	
2008-08-11	END TRUCK	
SLEDDOCV	OUTLINE DRAWING	
Part	RTN40B-S	
RTN40B END TRUCK SIDE JOINT		
RTN40B		
08/2025		