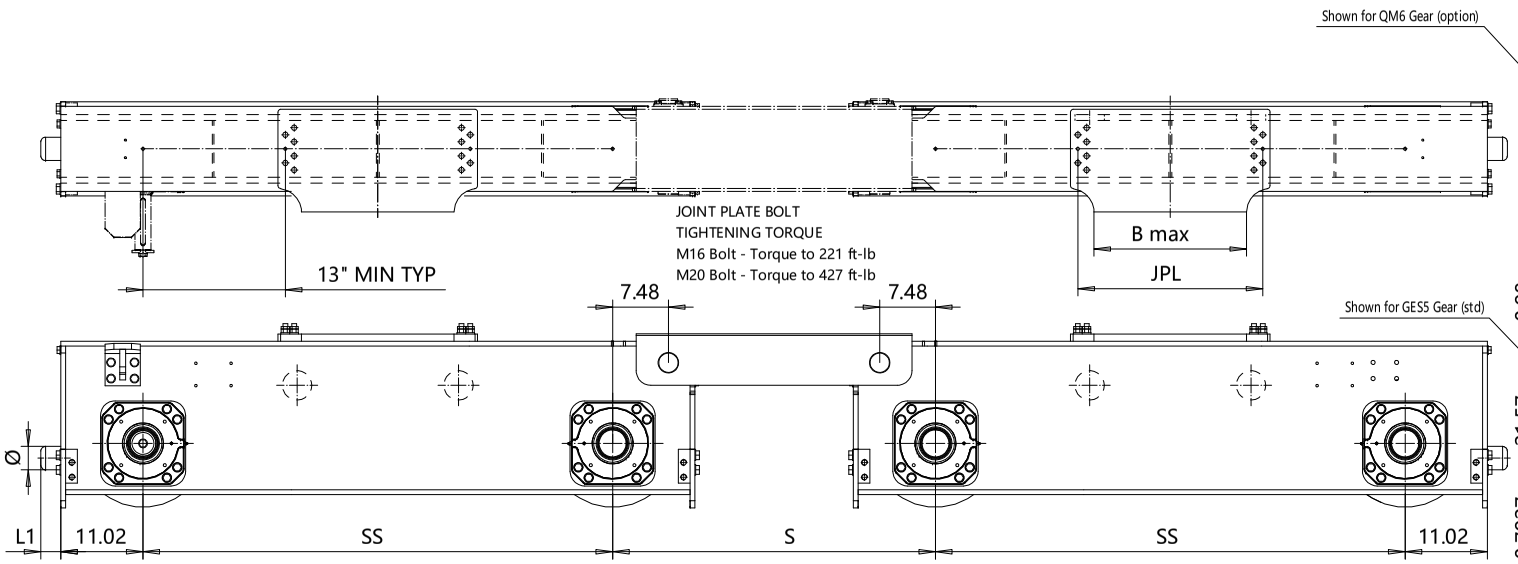
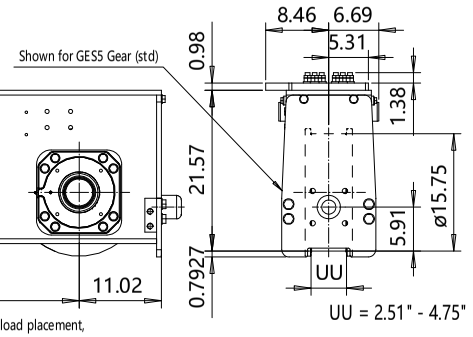
Included in					
Rev	Explanation	Date	Revised by	Checked by	

RTN40B END TRUCK TOP JOINT PLATE TYPE K





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

RTN40B 1675 - S 62180 C 1100 - 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	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".

*Approximate weight of end truck assumes GES5 drive wheel, K5 joint plate, and bogie connector for S = 1100 mm. QM6 drive parts adds extra weight.

Item	Weight, kg
QM6	33
Bogie connector	128 kg + (0.091 x (S - 620))

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		

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

ETTPIA Design	ETTPIA Chd	Appd	Ref Drawing
2008-08-11 Date	END TRUCK		1 : 7
SLEQDOCV Dept	OUTLINE DRAWING		Folder ECN40B
R&M MATERIALS HANDLING	RTN40B-K		
	RTN40B END TRUCK TOP JOINT		Issue 08/2025