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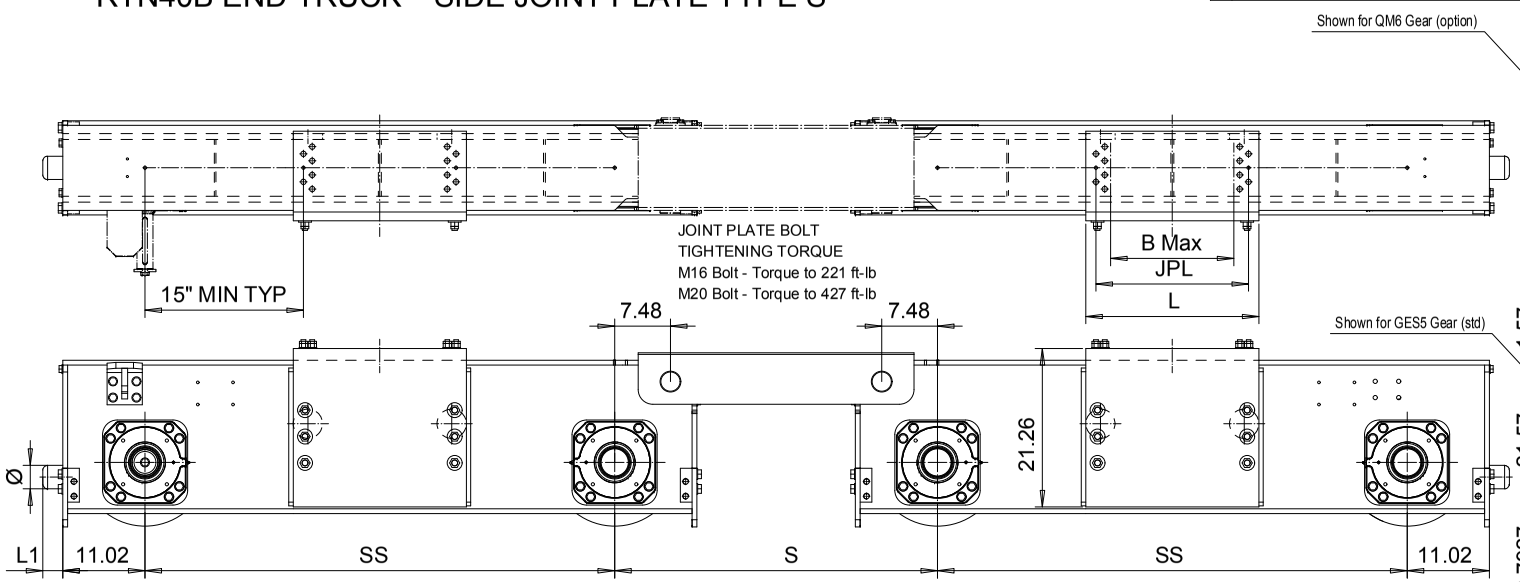
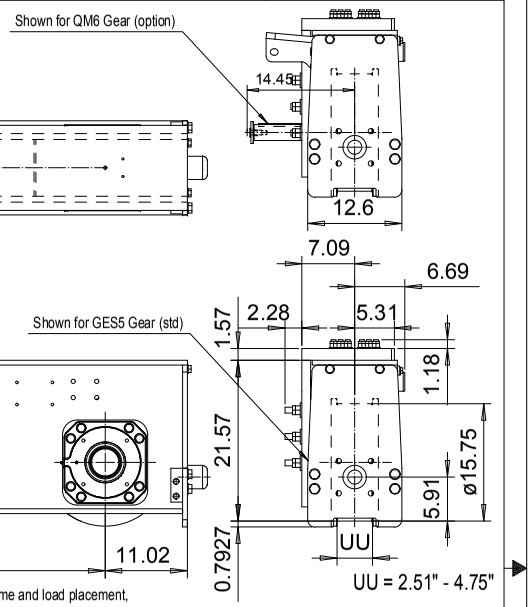
Included in					

Rev	Explanation	Date	Revised by	Checked by

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 GES5 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"))

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

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 INC.	R&M MATERIALS HANDLING, INC. HOIST & CRANE PRODUCTS SPRINGFIELD, OHIO	RTN40B-S		Issue 3/2018
		RTN40B END TRUCK SIDE JOINT		