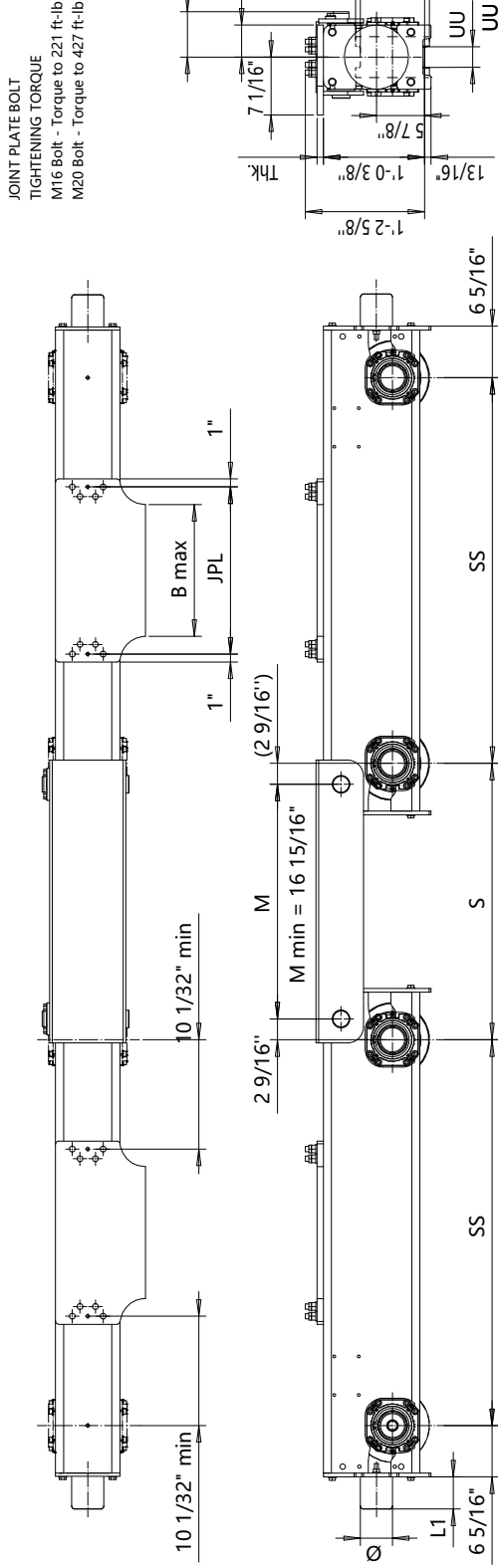


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RTN20B END TRUCK TOP JOINT PLATE TYPE L



(Product Code example)

RTN20B1274-L41540C0860-N

- N=standard, E=Special
- primer paint, color code
- Inner wheel distance =S
- Buffer type
- Joint plate distance = PP,
(pin to pin, with double girder)
- Joint plate code
- = 1WD, D = 2WD
- Wheel groove =UU
- Wheel base =SS
- B =bogie
- Type of end carriage

The wheel loads listed are only a guideline. The max. 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. SG load placement is at the center, and DG load placement is for a trolley gauge of 1400 mm (55 1/8").

The permissible dynamic wheel load listed is based on assumptions that the bridge speed is 40 m/min (130 fpm), and 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

Joint plate	Thickness	JPL	B MAX
L3	1"	16.14"	11 13/16"
L4	13/16"	20.47"	16 3/16"
L5	13/16"	24.8"	20 1/2"
L6	13/16"	29.13"	24 13/16"

Buffer type	L1	Ø
A	2 3/16"	2 1/2"
B	2 11/16"	3 3/16"
C	3 5/16"	3 15/16"
D	4 1/8"	4 15/16"
K	3 3/16"	3 3/16"
G	3 15/16"	3 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"
B, C, D rubber		
K, G, E, F, H, I, M, P, S polyurethane		

Wheelbase Type	SS	Max dyn whl load (kip)	Permissible dyn whl load, (kip)			Approx. Weight (lb)
12	3'-11 1/4"	29.7	ASCE 40	ASCE 60	ASCE 85	828
14	4'-7 1/8"	29.7	14.8	19.8	22	892
16	5'-3"	29.7	14.8	19.8	22	956
18	5'-10 7/8"	29.7	14.8	19.8	22	1020
20	6'-6 3/4"	29.7	14.8	19.8	22	1084



OUTLINE DRAWING

RTN20B-L

RTN20B END TRUCK TOP JOINT

Scale

1/10

ECN20

Folder

Date

08/2025