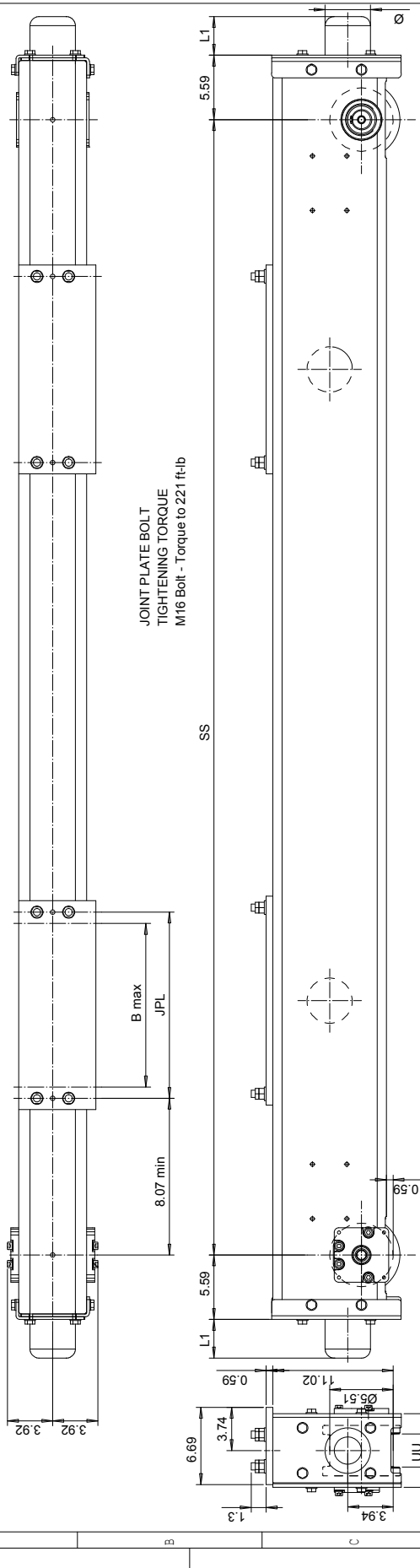


RTN14 END TRUCK TOP JOINT PLATE TYPE A



JOINT PLATE BOLT
TIGHTENING TORQUE
M16 Bolt - Torque to 221 ft-lb

Product Code example
RTN14-2574-A40990C0000-N

- UU = 2 1/8" - 3 5/16"
- N=standard, E=Special
- primer paint, color code (not in use)
- Buffer type
- Joint plate distance (pin to pin, with double DG girder) (driving wheel to pin with asymmetrical single SG girder)
- Joint plate code
- =1WD, D =2WD (Number of driving wheels/end carriage)
- Wheel groove = UU
- Wheel base = SS
- =std, C=asymmetrical joint
- Type of end carriage

Joint plate	Min. Wheelbase	JPL	B max
A4	8'-2 7/16", DG	16.14"	14 3/16"
A6	8'-2 7/16", DG	23.62"	21 11/16"

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 gage of 1400 mm [55.18"].

The permissible dynamic wheel load listed is based on assumptions that the bridge speed is 40 m/min [130 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

Buffer type	L1	Ø
A	2.09"	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"
M	4 15/16"	4 15/16"
F	7 1/2"	4 15/16"
H	6 15/16"+3 15/16"	6 5/16"
P	9 7/16"+3 15/16"	6 5/16"
K, G, E, M, F, H, P polyurethane		

Wheelbase code	SS	Max dyn whl load, (kip)			Perm dyn whl load, (kip)			Approx Wgt / trk (lb)	
		SG	DG	ASCE 30	ASCE 40	ASCE 60	SG	DG	
16	5'-3"	12.38	12.38	8.46	9.675	13.05	289	309	
20	6'-6 3/4"	12.38	12.38	8.46	9.675	13.05	331	351	
25	8'-2 7/16"	12.38	12.38	8.46	9.675	13.05	381	401	
32	10'-4"	12.38	12.38	8.46	9.675	13.05	448	467	
35	11'-5 13/16"	10.8	12.38	8.46	9.675	13.05	485	505	
40	13'-1 1/2"	7.2	8.33	8.46	9.675	13.05	536	556	

File	Specification	14	Revision
RTN14	RTN14		
2009-11-14	2009-11-14		
SLR0007	SLR0007		
END TRUCK			
OUTLINE DRAWING			
RTN14-A			
RTN14 END TRUCK TOP JOINT			
03/2011			