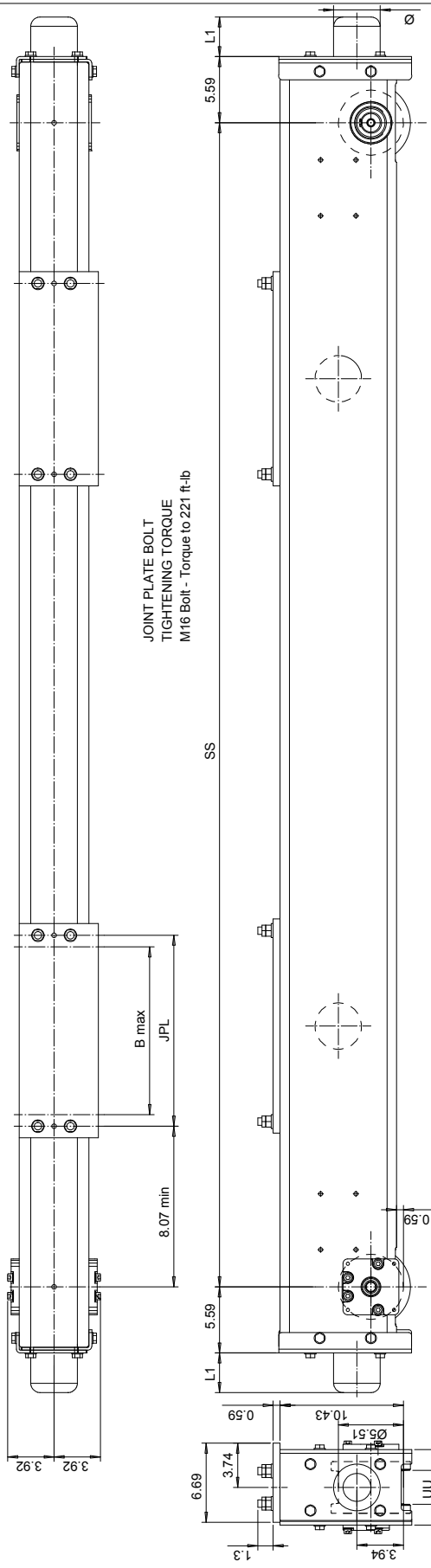
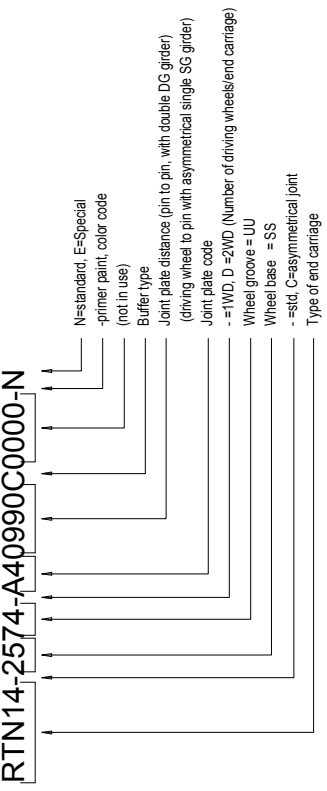


RTN14 END TRUCK TOP JOINT PLATE TYPE A



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

Product Code example
RTN14-2574-A40990C0000-N



- 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 = LU
- 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)			Permitted 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		

Rev	Description	Specification	Iss	Drawn
RTN14-VPH	Max dyn	RTN14-VPH		
2008-10-14	Issue	END TRUCK		
SLEPQOCV	Issue	OUTLINE DRAWING		
RTN14-A	Issue	RTN14-A		
RTN14	Issue	RTN14		
04/2018	Issue	RTN14 END TRUCK TOP JOINT		