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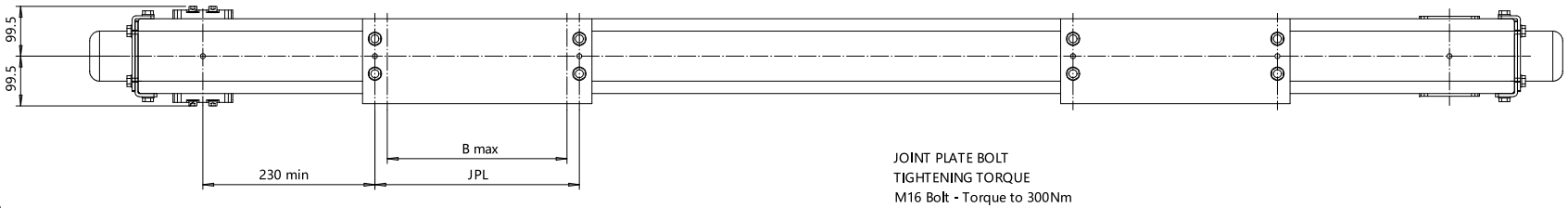
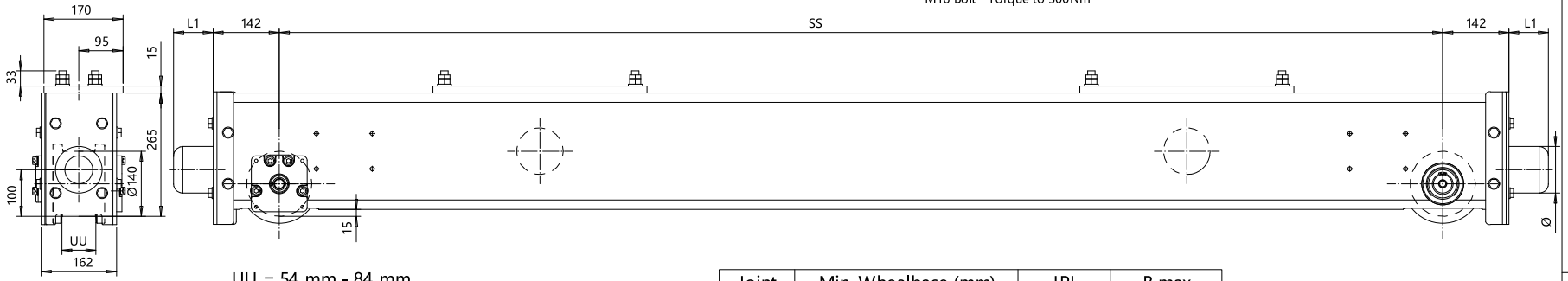
Included in

Rev	Explanation	Date	Revised by	Checked by

RTN14 END TRUCK TOP JOINT PLATE TYPE A



JOINT PLATE BOLT
TIGHTENING TORQUE
M16 Bolt - Torque to 300Nm



UU = 54 mm - 84 mm

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 = UU
- Wheel base = SS
- - =std, C=asymmetrical joint
- Type of end carriage

Joint plate	Min. Wheelbase (mm) Trolley gage=1200 mm	JPL (mm)	B max (mm)
A4	2500; DG	410	360
A6	2500; DG	700	550

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 1/8"].
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 (mm)	Ø (mm)
A	53	63
B	68	80
C	85	100
D	105	125
K	80	80
G	100	100
E	150	100
F	190	125
M	125	125
H	160+100	160
P	240+100	160
A, B, C, D rubber		
K, G, E, M, F, H, P polyurethane		

Wheelbase code	SS (mm)	Max dyn whl load, (kN) SG	Max dyn whl load, (kN) DG	Perm dyn whl load, (kN) ASCE 30	Perm dyn whl load, (kN) ASCE 40	Perm dyn whl load, (kN) ASCE 60	Approx Wgt / Trk (kg) SG	Approx Wgt / Trk (kg) DG
16	1600	55	55	37.6	43	58	131	140
20	2000	55	55	37.6	43	58	150	159
25	2500	55	55	37.6	43	58	173	182
32	3150	55	55	37.6	43	58	203	212
35	3500	48	55	37.6	43	58	220	229
40	4000	32	37	37.6	43	58	243	252

Pos	Description Specification	Id	Drawing
ETTVPH Design	ETTVPH Chd	Appd	Ref Drawing
2008-10-14 Date	END TRUCK		1 : 6
SLEQDOCV Owner Dept	OUTLINE DRAWING		Folder ECN14
R&M MATERIALS HANDLING, INC HOIST & CRANE PRODUCTS SPRINGFIELD, OHIO	RTN14-A		
	RTN14 END TRUCK TOP JOINT		Issue 04/2018