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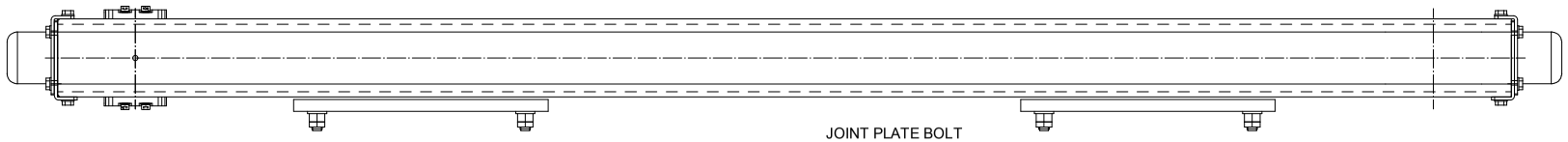
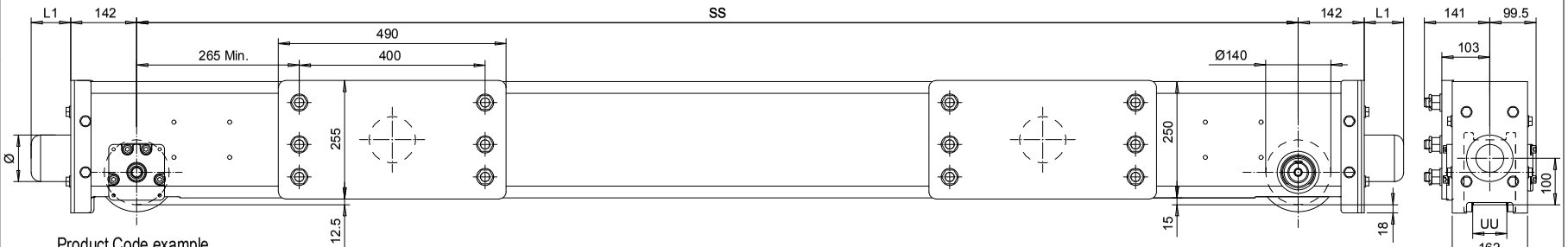
Included in

Rev	Explanation	Date	Revised by	Checked by

RSN14 END TRUCK SIDE JOINT PLATE TYPE EBN14-400



JOINT PLATE BOLT
TIGHTENING TORQUE
M16 Bolt - Torque to 300Nm
M20 Bolt - Torque to 580 Nm



UU = 54 mm - 84 mm

Product Code example
RSN14-2574-400255C1000-N

- N=standard, E=Special
- -primer paint, color code
- Joint plate distance (pin to pin with double DG girders; driving wheel to pin with asymmetrical single SG girder)
- Buffer type
- Joint plate height (JPH)
- Joint plate length (pin to pin) (JPL)
- - =1WD, D =2WD (Number of driving wheels/end carriage)
- Wheel groove =UU
- Wheel base =SS (type)
- - =std, C =asymmetrical joint
- 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 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	SS	Max. dyn whl load, (kN)		Perm dyn whl load, (kN)			Approx. Wgt / Trk (kg)	
code	(mm)	SG	DG	ASCE 30	ASCE 40	ASCE 60	SG	DG
16	1600	47	55	37.6	43	58	165	210
20	2000	47	55	37.6	43	58	188	213
25	2500	47	55	37.6	43	58	216	241
32	3150	47	55	37.6	43	58	253	278
35	3500	40	55	37.6	43	58	273	298
40	4000	32	37	37.6	43	58	303	328

Pos	Description	Specification	Id	Drawing
ETTVPH				
Design	ETTVPH	Chd	Appd	Ref Drawing
2008-10-14	END TRUCK			1 : 4
Date	OUTLINE DRAWING			Folder
SLEQDOCV	RSN16-EBN			EBN14
Owner Dept	RSN14 END TRUCK			Issue
R&M MATERIALS HANDLING, INC. HOIST & CRANE PRODUCTS SPRINGFIELD, OHIO				03/2011