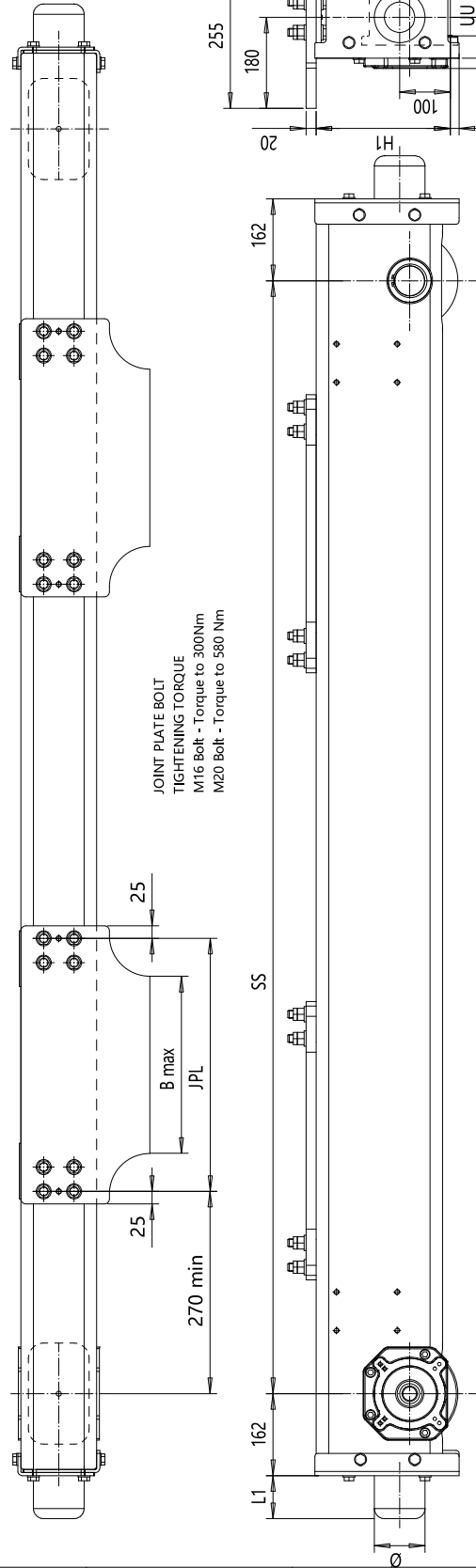


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RTN16 END TRUCK TOP JOINT PLATE TYPE B



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

Product Code example
RTN16-2574-B40700C0000-N

- N=standard, E=Special
- primer paint, color code (not in use)
- Buffer type
- Joint plate distance (joint 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)	JPL (mm)	B max (mm)
B4	2500; DG	500	350
B6	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 [5: 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 = 1.15x Static wheel load

Buffer type	L1 (mm)	Ø (mm)
B	68	80
C	85	100
D	105	125
K	80	80
G	100	100
E	150	100
M	125	125
F	190	125
H	160+100	160
P	240+100	160
B, C, D rubber		
K, G, E, M, F, H, P polyurethane		

Wheelbase code	SS (mm)	H1 (mm)	Max dyn whl load, (kN)		Perm dyn whl load, (kN)		Approx Wgt / Trk (kg)		
			SG	DG	ASCE 40#	ASCE 60#	ASCE 85#	SG	DG
16	1600	265	80	80	50	67.9	75	188	217
20	2000	265	80	80	50	67.9	75	211	240
25	2500	265	80	80	50	67.9	75	239	268
32; DG	3150	265	-	80	50	67.9	75	-	304
32; SG	3150	315	80	-	50	67.9	75	303	-
40	4000	315	63	69	50	67.9	75	359	388
45	4500	315	44	48	50	67.9	75	391	420

ETVPH	ETVPH
2008-10-14	END TRUCK
SLEDOOCV	OUTLINE DRAWING
	RTN16-B
	RTN16 END TRUCK TOP JOINT
R&M MATERIALS HANDLING INC.	ECN16
	03/2012