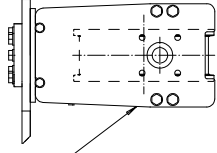


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RTN40 END TRUCK TOP JOINT PLATE TYPE J - BOX GIRDER

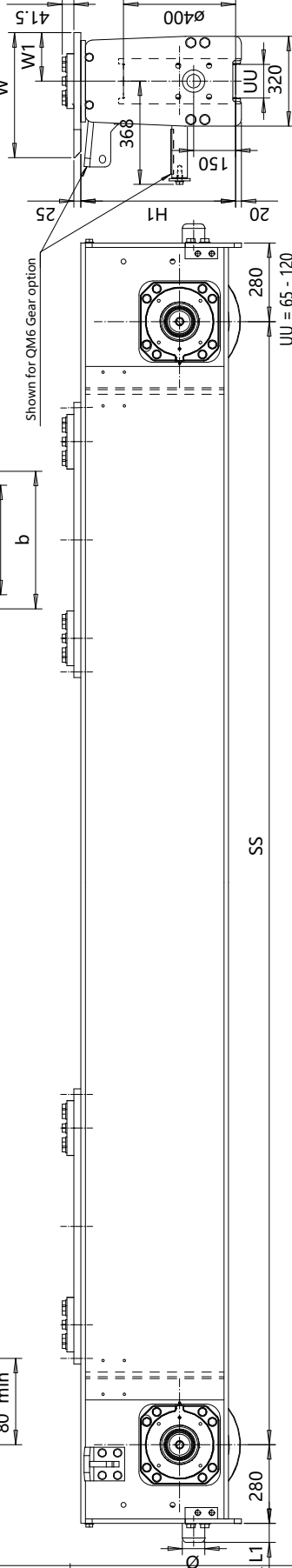
JOINT PLATE BOLT
TIGHTENING TORQUE
M16 Bolt - Torque to 300Nm
M20 Bolt - Torque to 580 Nm

Shown for GESS Gear



80 min

Shown for QM6 Gear option



RTN40-4075-J11505B0000-N

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 32 m/min [100 fpm], end truck duty is Fm 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.

Minimum wheelbase with J3, J9, J0 joint plate is 4000 mm.

Wheelbase code	SS (mm)	Max dyn whl load, (kN)		Perm dyn whl load, (kN)		Approx Wt. */Trk, kg		H1 (mm)
		SG	DG	SG	DG	SG	DG	
25	2500	350	---	224.5	1031	1031	---	548
32	3150	350	350	224.5	977	977	1063	548
40	4000	350	350	224.5	1210	1210	1296	552
45	4500	350	350	224.5	1337	1337	1423	668
50	5000	350	350	224.5	1524	1524	1610	672
55	5500	350	350	224.5	1640	1640	1726	672

Joint plate	A (mm)	B max (mm)	b (mm)	D (mm)	P2 (mm)	W (mm)	W1 (mm)	Weight/pc (kg)	Buffer type	L1, (mm)	Ø, (mm)
J1	980	390	490	700	940	445	173	86	B	68	80
J2	1230	645	745	950	1190	445	173	107	C	85	100
J3	1580	945	1045	1300	1540	445	173	136	D	105	125
J4	1080	390	490	730	1040	475	188	101	E	150	100
J5	1300	645	745	950	1260	475	188	103	F	190	125
J6	1680	945	1045	1330	1640	475	188	155	H	160	160
J7	1100	510	610	820	1060	445	173	96	I	200	200
J8	1200	510	610	850	1160	445	188	112	M	125	125
J9	1350	760	860	1070	1310	445	173	121	P	240	160
J0	1450	760	860	1070	1410	475	188	135	S	300	200
									T	350	250
									Y	475	250
										B, C, D rubber	
										E, F, H, I, M, P, S, T, Y polyurethane	

*Approximate weight of end truck assumes GESS drive wheel and J1 joint plate. QM6 drive parts adds extra weight.

Weight, kg
QM6
33

ETTPA Design	ETTPA Chd	Appld	Ref Drawing
2008-08-11	2008-08-11	END TRUCK	END TRUCK
SLEDDOCV	SLEDDOCV	OUTLINE DRAWING	OUTLINE DRAWING
Part	Part	RTN40-J	RTN40-J
R&M MATERIALS HANDLING, INC.		RTN40 END TRUCK J JOINT	
1:1		Scale	
ECN40		Issue	
08/2025		Date	