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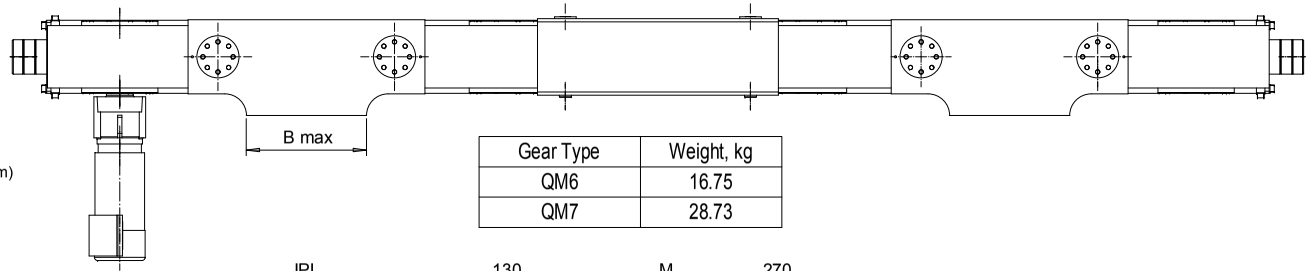
Included in

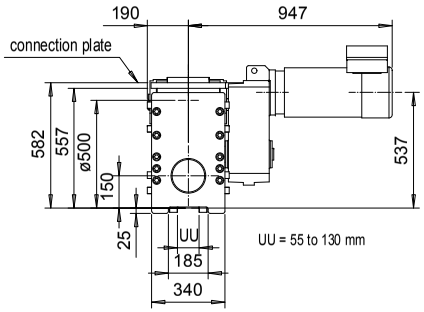
RTN50B END TRUCK TOP JOINT PLATE TYPE J

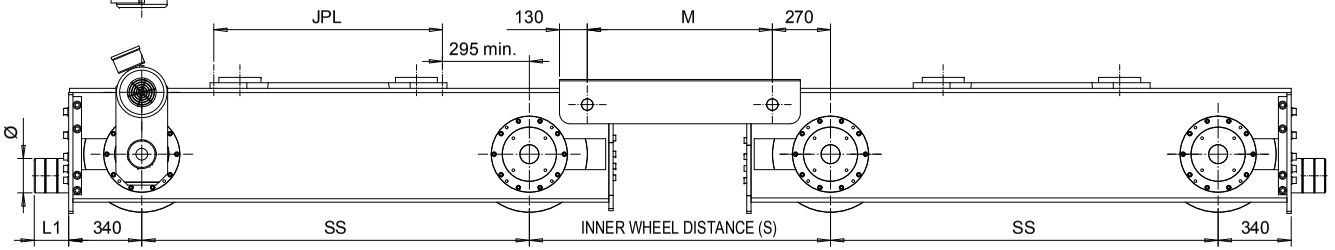
Minimum Inner Wheel Distance (S)=1400 mm for wheel change
M = S - 540 mm
Mmin = 860 mm for wheel change
Mmax = 5000 mm

Approx. Wgt (kg) = Weight/trk * 2 + 106 kg + 123 kg/m * (S - 0.9m)
Approx. Wgt (lbs) = Weight/trk * 2 + 234 lbs + 83 lbs/ft * (S - 3 ft)
Weight/trk is calculated with buffer type B.



Gear Type	Weight, kg
QM6	16.75
QM7	28.73





The wheel loads listed are only a guideline. The max. dyn. 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. The load placement is at the center of each truck. The permissible dynamic wheel load listed is based on assumptions that the bridge speed is 32 m/min [100 fpm], end truck duty is ISO M5 (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.

Product Code example
RTN50B1899SJ72207H1400-N

- N=standard, E=Special
- -primer paint, color code
- Inner wheel distance (S), 1400 mm min.
- Buffer type
- Joint plate distance (pin to pin, with double DG girder)
- Joint plate code
- S =1WD, D =2WD (Number of driving wheels)
- Wheel groove =UU
- Wheel base =SS
- B = Bogie
- End truck model

Joint plate	JPL	B max	Weight/pc
	(mm)	(mm)	(kg)
J1	940	490	83
J2	1190	745	107
J3	1540	1045	136
J4	1040	490	101
J5	1260	745	103
J6	1640	1045	155
J7	1060	610	96
J8	1160	610	112
J9	1310	860	121
J0	1410	860	135

Buffer type	L1, (mm)	Ø, (mm)	Wgt/pc, kg
B	68	80	0.8
C	85	100	1.4
D	105	125	2.5
E	150	100	1.0
F	190	125	1.6
H	160	160	2.5
I	200	200	4.4
M	125	125	0.9
P	240	160	3.1
S	300	200	5.6
T	350	250	7.6
Y	475	250	10.3
B, C, D rubber			
E, F, H, I, M, P, S, T, Y polyurethane			

Wheelbase	SS	Max dyn whl load, (kN)	Perm dyn whl load, (kN)			Approx. Wt.*/Trk
code	(mm)	DG	ASCE 85	BETH 135	BETH 171	(kg)
16	1600	520	288.8	380.8	493	1086
18	1800	520	288.8	380.8	493	1136
20	2000	520	288.8	380.8	493	1186
22	2200	520	288.8	380.8	493	1236
25	2500	520	288.8	380.8	493	1311

ETTPIA Design	ETTPIA Chd	Appd	Ref Drawing
2008-08-11 Date	END TRUCK		1 : 7
SLEQDOCV Dept	OUTLINE DRAWING		Folder ECN50B
R&M MATERIALS HANDLING INC.	R&M MATERIALS HANDLING, INC. HOIST & CRANE PRODUCTS SPRINGFIELD, OHIO	RTN50B-J	
		RTN50B END TRUCK TOP JOINT	Issue 3/2017