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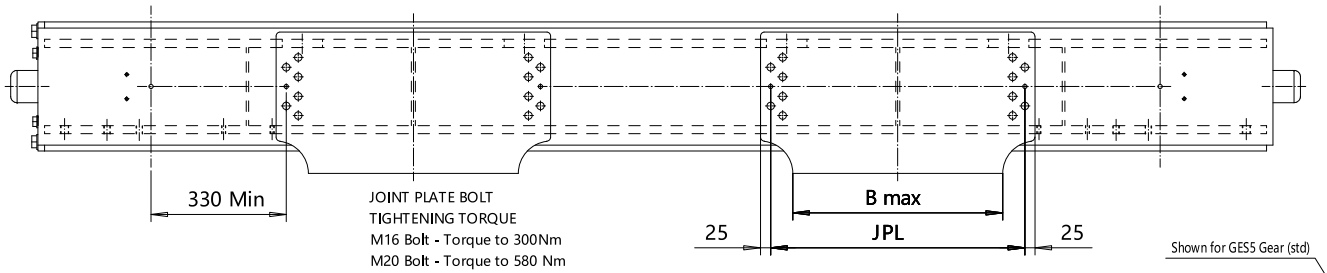
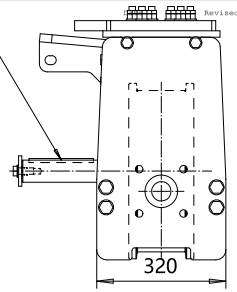
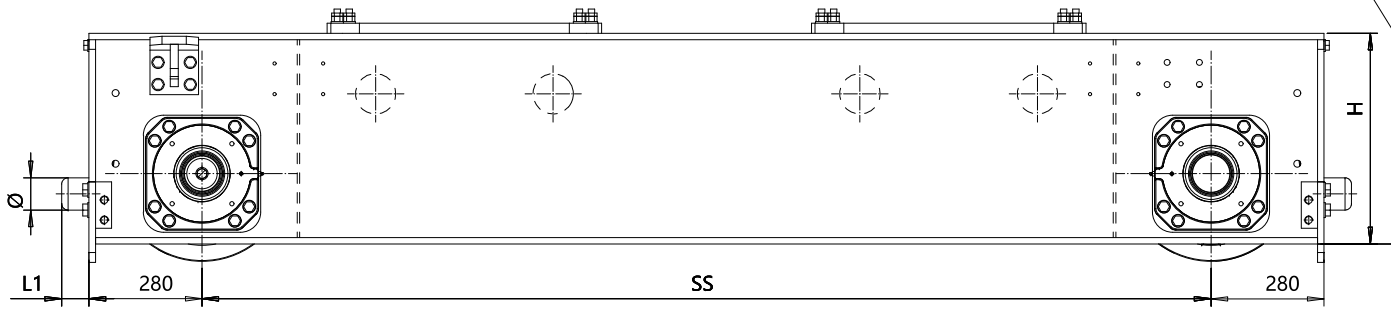
Included in

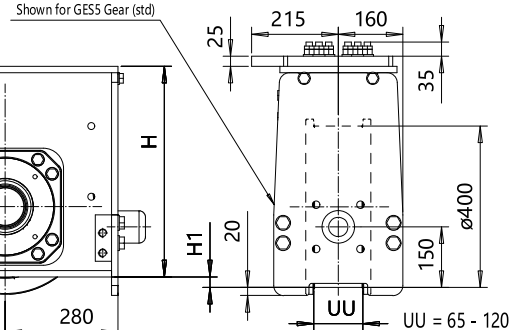
RTN40 END TRUCK TOP JOINT PLATE TYPE K

Rev Explanation Revised by Checked by









Product Code example

RTN40-2575-K50570C0000-N

- N=standard, E=Special
- -primer paint, color code (not used with RTN40)
- 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

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 gageof 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 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.

Joint plate	JPL	B max	Weight/pc
	(mm)	(mm)	(kg)
K4	520	410	39
K5	630	520	47
K7	850	740	62
K9	1100	990	79

Minimum wheelbase with K9 joint plate is 3150 mm.

*Approximate weight of end truck assumes GES5 drive wheel and K5 joint plate. QM6 drive parts adds extra weight.

	Weight, kg
QM6	33

Buffer type	L1, (mm)	Ø, (mm)
B	68	80
C	85	100
D	105	125
E	150	100
F	190	125
H	160	160
I	200	200
M	125	125
P	240	160
S	300	200
T	350	250
Y	475	250
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, kg		H	H1
code	(mm)	SG	DG	ASCE 85	BETH 135	SG	DG	(mm)	(mm)
25	2500	350	350	224.5	296	1017	1064	522	26
32	3150	350	350	224.5	296	1047	1094	522	26
40	4000	350	350	224.5	296	1127	1174	530	22
45	4500	350	350	224.5	296	1247	1294	642	26
50	5000	350	350	224.5	296	1427	1474	650	22
55	5500	350	350	224.5	296	1597	1644	650	22

ETTPIA Design	ETTPIA Chd	Appd	Ref Drawing
2008-08-11 Date	END TRUCK		1 : 7
SLEQDOCV Dept	OUTLINE DRAWING		Folder ECN40
R&M MATERIALS HANDLING INC. — R&M MATERIALS HANDLING, INC HOIST & CRANE PRODUCTS SPRINGFIELD, OHIO	RTN40-K		
	RTN40 END TRUCK TOP JOINT		Date 6/2013