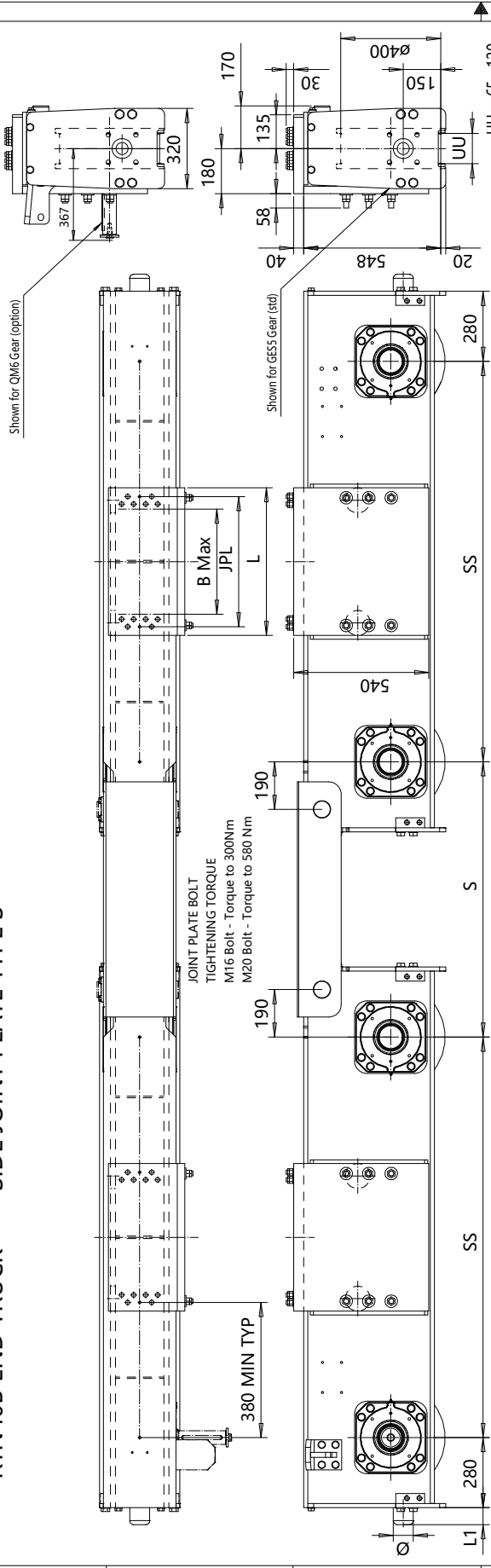


RTN40B END TRUCK SIDE JOINT PLATE TYPE S



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 max. 100 lb/mft 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) and truck duty is Fem 2m, and the runway rail is 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.

N=standard, F=Special

-primer paint. color code

Inner wheel distance (S): 1000 mm [39.37"] min.

Buffer type

Joint plate distance (pin to pin, with double DG airider)

some place

Joint plate code

- = 1WD, D = 2WD (Number of driving wheels/end carriage)

Wheel groove = UU

Wheel base =SS

B = Boatie

Type of end carriage

Joint plate	JPL (mm)	B max (mm)	L (mm)	Weight/pc (kg)
S6	520	410	590	139
S7	720	620	800	185
S9	1100	990	1170	265

Minimum wheelbase with S9 joint plate is 3150 mm.

*Approximate weight of end truck assumes GESS drive wheel, S6 joint plate, and bogie connector for S = 1100 mm. QM6 drive parts adds extra weight.

Item	Weight, kg
QM6	33
Boogie connector	$58 \text{ kg} + (0.091 * (S-620))$

	Country	Year	Age Group	Gender	Prevalence (%)	95% CI	P-value
ETPIA Division	ETPIA	2017	All ages	Male	1.8	(1.5-2.1)	0.001
				Female	1.5	(1.2-1.8)	0.002
				Both sexes	1.6	(1.3-1.9)	0.001
				0-14 years	1.2	(0.9-1.5)	0.001
				15-49 years	1.8	(1.5-2.1)	0.001
				≥50 years	2.0	(1.7-2.3)	0.001
ETPIA City	ETPIA	2017	All ages	Male	1.8	(1.5-2.1)	0.001
				Female	1.5	(1.2-1.8)	0.002
				Both sexes	1.6	(1.3-1.9)	0.001
				0-14 years	1.2	(0.9-1.5)	0.001
				15-49 years	1.8	(1.5-2.1)	0.001
				≥50 years	2.0	(1.7-2.3)	0.001

Design	Chd	Appld	not running
2008-08-11	END TRUCK		
Date			

SLEQDOCV Dept	
OUTLINE DRAWING	
1 : 7	Folder



 RAM MATERIALS HANDLING	RTN40B END TRUCK SIDE JOINT	16 SEP
		08/2025

Wheelbase	SS	Max dyn whl load, (kN)	Perm dyn whl load, (kN)			Approx. Wt.*/Bogie Trk
code	(mm)	DG	ASCE 60	ASCE 85	BETH 135	(kg)
16	1600	350	203.3	224.5	296	1917
18	1800	350	203.3	224.5	296	2009
20	2000	350	203.3	224.5	296	2103
22	2200	350	203.3	224.5	296	2195
25	2500	350	203.3	224.5	296	2335