













## Wheel Load Conditions

Wheel Load Condition	Wheel Load (1/2 axle load + 30 % impact load)	Load Distribution	
		Parallel	Perpendicular
 <b>CHBDC CL-625 Truck</b> 28,000 axle load Bearing Bars Parallel to traffic flow	18,100 pounds	24"+2(S)	10"
 <b>CHBDC CL-625 Truck</b> 28,000 axle load Bearing Bars Perpendicular to traffic flow	18,100 pounds	10"+2(S)	24"
 <b>CHBDC CL-625 Truck Sidewalk</b> 19,600 axle load Bearing Bars Parallel to traffic flow Clause 3.8.4.4	12,670 pounds	24"+2(S)	10"
 <b>CHBDC CL-625 Truck Sidewalk</b> 19,600 axle load Bearing Bars Perpendicular to traffic flow Clause 3.8.4.4	12,670 pounds	10"+2(S)	24"
 <b>Ontario Building Code</b> Vehicle > 9,000 kg Bearing Bars Parallel to traffic flow	20,800 pounds	24"+2(S)	10"
 <b>Ontario Building Code</b> Vehicle > 9,000 kg Bearing Bars Perpendicular to traffic flow	20,800 pounds	24"+2(S)	10"
 <b>Ontario Building Code</b> 9,000 kg > Vehicle > 4,000 kg	10,500 pounds	4.72"+2(S)	4.72"
 <b>Ontario Building Code</b> Vehicle < 4,000 kg	5,250 pounds	4.72"+2(S)	4.72"
 <b>Modified ASSHTO H20 Truck</b> 32,000 axle load	20,800 pounds	20"+2(S)	20"
 <b>Automotive Traffic</b> 5,000 lbs. vehicle 1,200 load 55% on front axle	2,220 pounds	8"+2(S)	8"
 <b>10,000 lbs. 5 Ton Lift Capacity Truck</b> 14,000 lbs. Truck 24,000 Total load 85% front Axle Load	13,260 pounds	11"+2(S)	11"
 <b>6,000 lbs. 3 Ton Lift Capacity Truck</b> 9,800 lbs. Truck 15,800 Total load 85% front Axle Load	8,730 pounds	7"+2(S)	7"
S=Bearing Bar Spacing			