

**Traction Wheel Rims<sup>1, 2</sup> (with nuts, bolts and washers)**

All dimensions are in inches unless otherwise specified.

Traction wheels are generally used as drivers only. Traction wheels are generally not used at the tail shaft or boot.

Chain Number	Outside Diameter	Equivalent <sup>3</sup> Sprocket Size (Teeth)	Use Hub Body Number	Face Width	Bolt Diameter	Maximum Bolt Torque (lbs./ft.)	Approximate Weight per Set (lbs.)
110 <sup>4</sup>	16.29	9	12	1.75	.63	180.0	46.0
	18.17	10	12	1.75	.63	180.0	77.0
	21.93	12	16	1.75	.75	320.0	93.0
	23.82	13	16	1.75	.75	320.0	134.0
	24.00	—	16	1.75	.75	320.0	137.0
	29.51	16	16	1.75	.75	320.0	212.0
4856 <sup>4</sup> & 4857 <sup>4</sup>	17.67	10	12	2.75	.63	180.0	97.0
	20.00	—	12	2.75	.63	180.0	149.0
	21.43	12	16	2.75	.75	320.0	116.0
	22.00	—	16	2.75	.75	320.0	124.0
	23.32	13	16	2.75	.75	320.0	178.0
	24.00	—	16	2.75	.75	320.0	186.0
	26.00	—	20	2.75	.75	320.0	155.0
	27.11	15	20	2.75	.75	320.0	209.0
	28.00	—	20	2.75	.75	320.0	228.0
	29.01	16	20	2.75	.75	320.0	287.0
4859 <sup>4</sup>	20.81	12	16	3.25	.75	320.0	101.0
	22.70	13	16	3.25	.75	320.0	165.0
	24.00	—	16	3.25	.75	320.0	197.0
	26.00	—	20	3.25	.75	320.0	164.0
	26.48	15	20	3.25	.75	320.0	182.0
	28.38	16	20	3.25	.75	320.0	276.0
	30.28	17	20	3.25	.75	320.0	331.0
4864 <sup>4</sup>	24.67	12	16	3.25	.75	320.0	238.0
	26.00	—	20	3.25	.75	320.0	164.0
	26.88	13	20	3.25	.75	320.0	196.0
	30.00	—	20	3.25	.75	320.0	325.0
	31.29	15	20	3.25	.75	320.0	413.0
	33.51	16	20	3.25	.75	320.0	525.0
	35.72	17	25	3.25	.75	320.0	540.0

**Sprocket Rims (with nuts, bolts and washers)**

Sprocket rims other than those listed are available upon request.

Chain Number	Number of Teeth	Pitch Diameter	Use Hub Body Number	Face Width	Bolt Diameter	Maximum Bolt Torque (lbs./ft.)	Approximate Weight per Set (lbs.)
110 <sup>4</sup>	9	17.543	12	1.75	.63	180.0	56.0
	10	19.416	12	1.75	.63	180.0	83.0
	12	23.182	16	1.75	.75	320.0	100.0
	13	25.071	16	1.75	.75	320.0	136.0
	16	30.755	20	1.75	.75	320.0	206.0
4856 <sup>4</sup> & 4857 <sup>4</sup>	10	19.416	12	2.75	.63	180.0	132.0
	12	23.182	16	2.75	.75	320.0	157.0
	13	25.071	16	2.75	.75	320.0	218.0
	15	28.858	20	2.75	.75	320.0	256.0
	16	30.755	20	2.75	.75	320.0	332.0
4859 <sup>4</sup>	12	23.182	16	3.25	.75	320.0	169.0
	13	25.071	16	3.25	.75	320.0	235.0
	15	28.858	20	3.25	.75	320.0	275.0
	16	30.755	20	3.25	.75	320.0	357.0
	17	32.653	20	3.25	.75	320.0	444.0
4864 <sup>4</sup>	12	27.046	16	3.25	.75	320.0	309.0
	13	29.250	16	3.25	.75	320.0	399.0
	15	33.668	20	3.25	.75	320.0	493.0
	16	35.881	20	3.25	.75	320.0	604.0
	17	38.095	25	3.25	.75	320.0	534.0

<sup>1</sup>Caution: Do not use traction wheels where ambient conditions are potentially flammable.

<sup>2</sup>Avoid use of traction wheels where: A) heavy digging exists, B) conveyed material inhibits traction, C) conveyed material has heavy density.

<sup>3</sup>Many sizes listed above are equal to sprockets and would not affect elevator capacity when changing from sprocket to traction wheel.

<sup>4</sup>Furnished 50 Rc minimum tooth hardness standard.