

APPENDIX 20 WEIGHT CHART (PLATE 25-3)

ORANGE AND BONUS OVERLOADS*
MAXIMUM PERMIT WEIGHT ON TANDEM AXLES = 42,800 POUNDS

Example: 8' - 0" Distance Between First and Last Axle in Feet

33,600
38,640
42,000

4 tires, 8' - 0" Wide
8 tires, 8' - 0" Wide
8 tires, 10' - 0" Wide

Orange Load = 700 (L + 40) [Min. = 32,000]
Orange Load (+ 15%) = 1.15 x 700 (L + 40) [Min. = 36,800]
Orange Load (+ 25%) = 1.25 x 700 (L + 40) [Min. = 40,000]

IN. FT.	0	1	2	3	4	5	6	7	8	9	10	11
2	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
3	20,000	20,000	20,000	20,000	20,000	20,000	32,000	32,000	32,000	32,000	32,000	32,000
4	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000
5	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,025	32,083	32,142
6	32,200	32,258	32,317	32,375	32,433	32,492	32,550	32,608	32,667	32,725	32,783	32,842
7	32,900	32,958	33,017	33,075	33,133	33,192	33,250	33,308	33,367	33,425	33,483	33,542
8	33,600	33,658	33,717	33,775	33,833	33,892	33,950	34,008	34,067	34,125	34,183	34,242
9	34,300	34,358	34,417	34,475	34,533	34,592	34,650	34,708	34,767	34,825	34,883	34,942
10	35,000	35,058	35,117	35,175	35,233	35,292	35,350	35,408	35,467	35,525	35,583	35,642
11	35,700	35,758	35,817	35,875	35,933	35,992	36,050	36,108	36,167	36,225	36,283	36,342
12	36,400	36,458	36,517	36,575	36,633	36,692	36,750	36,808	36,867	36,925	36,983	37,042
13	37,100	37,158	37,217	37,275	37,333	37,392	37,450	37,508	37,567	37,625	37,683	37,742
14	37,800	37,858	37,917	37,975	38,033	38,092	38,150	38,208	38,267	38,325	38,383	38,442
15	38,500	38,558	38,617	38,675	38,733	38,792	38,850	38,908	38,967	39,025	39,083	39,142
16	39,200	39,258	39,317	39,375	39,433	39,492	39,550	39,608	39,667	39,725	39,783	39,842
17	39,900	39,958	40,017	40,075	40,133	40,192	40,250	40,308	40,367	40,425	40,483	40,542
18	40,600	40,658	40,717	40,775	40,833	40,892	40,950	41,008	41,067	41,125	41,183	41,242

* A set of tandem axles with spacing between axles of less than 3' - 6" is considered as a single axle.