

B. W. SINCLAIR, INC.

BULK MATERIAL HANDLING

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BELT CAPACITY TABLES

CAPACITIES IN SHORT TONS PER HOUR										
Belt Speed in Feet per Minute										
	50	100	150	200	250	300	350	400	450	500
35° Troughing Table										
BW										
24"	63	130	194	260	325	388	455	524	587	655
30"	99	198	297	400	500	600	702	800	900	1,000
36"	149	297	450	598	747	896	1,044	1,197	1,346	1,490
42"	207	418	625	833	1,044	1,251	1,463	1,670	1,877	2,088
48"	279	558	833	1,111	1,395	1,668	1,944	2,219	2,498	2,776
20° Troughing Angle										
18"	25	50	75	99	124	149	174	198	234	260
24"	50	97	145	193	242	290	338	386	435	483
30"	88	159	239	318	398	477	557	636	716	795
36"	130	237	355	473	592	710	828	946	1,064	1,182
42"	185	330	494	659	824	989	1,153	1,318	1,483	1,648
48"	245	438	657	876	1,095	1,314	1,333	1,752	1,971	2,190

NOTES:

1. All capacities based on material weighing 100 PCF. All other weights are directly proportional.
2. The above capacities are based on normal loading conditions with a 20° load surcharge and no more than an 18° angle of incline.