

Screw Conveyors — Capacity Table

Trough Loading	Screw Dia.	Pipe Size (Nom. Dia.) Used for Capacity Tables	Maximum RPM	Capacity in Cu. Ft. Per Hr.*	
				At Maximum RPM	At 1 RPM
45%	6	2	165	368	2.23
	9	2½	155	1240	8.00
	12	3	145	2813	19.40
	14	3½	140	4330	30.93
	16	3½	130	6126	47.12
	18	4	120	8052	67.10
	20	4	110	10253	93.21
	24	4	100	16368	163.68
	30	4	90	29150	323.89
30%_A	6	2	120	180	1.50
	9	2½	100	536	5.36
	12	3	90	1164	12.93
	14	3½	85	1753	20.62
	16	3½	80	2514	31.42
	18	4	75	3355	44.73
	20	4	70	4350	62.14
	24	4	65	7093	109.12
	30	4	60	12955	215.92
30%_B	6	2	60	90	1.50
	9	2½	55	295	5.36
	12	3	50	647	12.93
	14	3½	50	1031	20.62
	16	3½	45	1414	31.42
	18	4	45	2013	44.73
	20	4	40	2486	62.14
	24	4	40	4365	109.12
	30	4	35	7557	215.92
15%	6	2	60	45	.75
	9	2½	55	147	2.68
	12	3	50	323	6.46
	14	3½	50	516	10.31
	16	3½	45	707	15.70
	18	4	45	1006	22.36
	20	4	40	1242	31.06
	24	4	40	2182	54.56
	30	4	35	3779	107.96

*Capacities shown are for full pitch screws. Consult factory for inclined conveyors.
 Dimensions in inches.
 See page 24 for Lump Size Limitations