

Spouting Capacity Chart

This table is a guideline for the capacity capability of both round and square spouting on free flowing products such as corn, wheat or soybeans. Please note these spout capacities are based on grain at a 45 degree free flow angle with minimum moisture content, minimum elbows and in an unlined spout. *This chart is a limited guideline, thus there are many factors that can effect grain movement .*

Round Spouting Capacity			
Spout Diameter (Nominal)	Square Inches	BPH based on the following:	
		65 BPH per Sq. In. Spout	70 BPH per Sq. In. Spout
6"	28.3	1839.5	1981.0
7"	38.5	2501.9	2694.3
8"	50.3	3267.6	3518.9
9"	63.6	4135.3	4453.4
10"	78.5	5105.1	5497.8
11"	95.0	6177.0	6652.1
12"	113.1	7351.5	7917.0
13"	132.7	8625.5	9289.0
14"	153.9	10003.5	10773.0
15"	176.7	11485.5	12369.0
16"	201.1	13071.5	14077.0
17"	226.9	14748.5	15883.0
18"	254.5	16542.5	17815.0
19"	283.5	18427.5	19845.0
20"	314.2	20423.0	21994.0
21"	346.4	22516.0	24248.0
22"	380.1	24706.5	26607.0
23"	415.5	27007.5	29085.0
24"	452.4	29406.0	31668.0
26"	530.9	34508.5	37163.0

Square Spouting Capacity			
Spout Size (Nominal)	Square Inches	BPH based on the following:	
		65 BPH per Sq. In. Spout	70 BPH per Sq. In. Spout
6"	36.0	2340.0	2520.0
7"	49.0	3185.0	3430.0
8"	64.0	4160.0	4480.0
9"	81.0	5265.0	5670.0
10"	100.0	6500.0	7000.0
11"	121.0	7865.0	8470.0
12"	144.0	9360.0	10080.0
13"	169.0	10985.0	11830.0
14"	196.0	12740.0	13720.0
15"	225.0	14625.0	15750.0
16"	256.0	16640.0	17920.0
17"	289.0	18785.0	20230.0
18"	324.0	21060.0	22680.0
19"	361.0	23465.0	25270.0
20"	400.0	26000.0	28000.0
21"	441.0	28665.0	30870.0
22"	484.0	31460.0	33880.0
23"	529.0	34385.0	37030.0
24"	576.0	37440.0	40320.0
30"	900.0	58500.0	63000.0
36"	1296.0	84240.0	90720.0

This chart is to be used as a general guideline, T.O.P.S. Inc. assumes no liability for its use.



2641 Metro Blvd. Maryland Heights, MO 63043
 (Phone) 636-326-4700 (Fax) 314-395-8671 (Online) www.topsinc.us