

## SPOUTING CAPACITY TABLE

### Suggested Bushels Per Hour Unlined Downspouting

#### ROUND SPOUTING

SIZE DIA.	SQUARE INCHES	BPH
6"	28.27	1,837
7"	38.49	2,501
8"	50.27	3,267
9"	63.62	4,135
10"	78.54	5,105
11"	95.03	6,177
12"	113.1	7,351
13"	132.7	8,625
14"	153.9	10,003
15"	176.7	11,485
16"	201.1	13,071
17"	226.9	14,748
18"	254.5	16,542
19"	283.5	18,427
20"	314.2	20,423
21"	346.4	22,516
22"	380.1	24,706
23"	415.5	27,007
24"	452.4	29,406

#### SQUARE SPOUTING

SIZE DIA.	SQUARE INCHES	BPH
6"	36	2,340
7"	49	3,185
8"	64	4,160
9"	81	5,265
10"	100	6,500
11"	121	7,865
12"	144	9,360
13"	169	10,985
14"	196	12,740
15"	225	14,625
16"	256	16,640
17"	289	18,785
18"	324	21,060
19"	361	23,465
20"	400	26,000
21"	441	28,665
22"	484	31,460
23"	529	34,385
24"	576	37,440

Estimated on 65 bushels per hour per square inch of spout. 45° fall of free flowing material, 56 lbs. bushel, minimum number of elbows.

1.244 cu. ft. = 1 bushel

$\frac{1 \text{ bushel}}{.8038} = 1 \text{ cu. ft.}$

#### HEAD SHAFT DIAMETER PER HORSEPOWER RATING

HORSE-POWER	SHAFT DIA.
1 - 2	1-7/16"
3	1-15/16"
5	2-3/16"
7-1/2 - 10	2-7/16"
15	2-15/16"
20	3-3/16"
25 - 30	3-7/16"

HORSE-POWER	SHAFT DIA.
40	3-15/16"
50 - 60	4-7/16"
75 - 100	4-15/16"
125	5-7/16"
150	5-15/16"
200	7"
250	7"

NOTE: Above suggested data should serve as a guideline, Tapco Inc. assumes no liability from their use.