

88E and 124E EVEN FEEDER VOLUMETRIC FEED RATES (gate in mid-position)*

[For reference only using ground clay. Feed rates can vary significantly with feed material properties]

FULL SPIRALS						
RPM	SINGLE	DOUBLE	TRIPLE	SINGLE CENTER DISCHARGE	DOUBLE CENTER DISCHARGE	TRIPLE CENTER DISCHARGE
	ft ³ /hr	ft ³ /hr	ft ³ /hr	ft ³ /hr	ft ³ /hr	ft ³ /hr
1	64	128	192	128	255	384
2	128	255	383	255	511	765
3	192	383	575	383	766	1149
4	255	511	766	511	1022	1533
5	319	639	958	639	1277	1917
6	383	766	1150	766	1533	2298
7	447	894	1341	894	1788	2682
8	511	1022	1533	1022	2044	3066
9	575	1150	1724	1150	2299	3450
10	639	1277	1916	1277	2555	3831
11	703	1405	2108	1405	2810	4215
12	766	1533	2299	1533	3066	4599
13	830	1661	2491	1661	3321	4983
14	894	1788	2683	1788	3577	5364
15	958	1916	2874	1916	3832	5748
16	1022	2044	3066	2044	4088	6132
17	1086	2172	3257	2172	4343	6516
18	1150	2299	3449	2299	4599	6897
19	1214	2427	3641	2427	4854	7281
20	1277	2555	3832	2555	5110	7665
21	1341	2683	4024	2683	5365	8049
22	1405	2810	4215	2810	5620	8430
23	1469	2938	4407	2938	5876	8814
24	1533	3066	4599	3066	6131	9198
25	1597	3193	4790	3193	6387	9579
26	1661	3321	4982	3321	6642	9963
27	1724	3449	5173	3449	6898	10347
28	1788	3577	5365	3577	7153	10731
29	1852	3704	5557	3704	7409	11112
30	1916	3832	5748	3832	7664	11496
31	1980	3960	5940	3960	7920	11880
32	2044	4088	6131	4088	8175	12264
33	2108	4215	6323	4215	8431	12645
34	2172	4343	6515	4343	8686	13029
35	2235	4471	6706	4471	8942	13413
36	2299	4599	6898	4599	9197	13797
37	2363	4726	7089	4726	9453	14178
38	2427	4854	7281	4854	9708	14562
39	2491	4982	7473	4982	9964	14946
40	2555	5110	7664	5110	10219	15330

* For gate in full up position, add 20% — For gate full down, subtract 20%

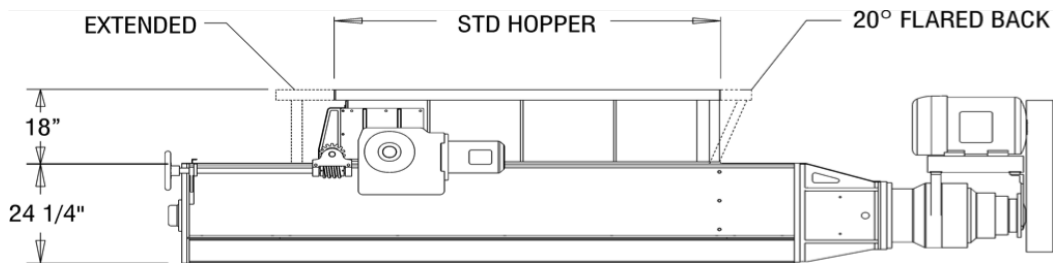
Feed Rate Notes

1. Feed rates are valid for full spirals or a combination of notched and full spirals. Full sets of notched spirals are also a standard option and provide approximately 70% of the full spiral discharge rate.
2. Center discharge feeders feed at approximately twice the rate of front or rear discharge feeders. Required hopper storage capacity should be reviewed carefully when a center discharge feeder is selected, as the feeder footprint is smaller relative to the discharge rate.

3. Steele Even Feeders can accommodate larger discharge rates than listed above. Feeder modules shown above can be "ganged" together to provide required capacity. Contact your Steele representative to discuss specific requirements.
4. Due to variation in material feed characteristics, we recommend setting a feeder speed so that 100% of maximum desired output can be achieved at 85% of maximum feeder speed.

INSIDE HOPPER DIMENSIONS — ENGLISH

FEEDER MODEL	STANDARD HOPPER BASE				EXTENDED HOPPER BASE			
	L (in)	W (in)	H (in)	FEEDER AND HOPPER VOLUME (ft ³)	L (in)	W (in)	H (in)	FEEDER AND HOPPER VOLUME (ft ³)
SGL 88E	71-1/4	41	18	51	82-3/4	41	18	59
SGL 88E FLARED BACK	77-3/4	41	18	53	89-1/4	41	18	61
SGL 88E FEEDER BED ONLY	71-1/4	41	0	25.8	82-3/4	41	0	29.9
DBL 88E	71-1/4	84	18	105	82-3/4	84	18	122
DBL 88E FLARED BACK	77-3/4	84	18	108	89-1/4	84	18	125
DBL 88E FEEDER BED ONLY	71-1/4	84	0	52.9	82-3/4	84	0	61.5
TRP 88E	71-1/4	127	18	159	82-3/4	127	18	185
TRP 88E FLARED BACK	77-3/4	127	18	163	89-1/4	127	18	189
TRP 88E FEEDER BED ONLY	71-1/4	127	0	80.3	82-3/4	127	0	93.2
SGL124E	107-1/4	41	18	77	118-3/4	41	18	85
SGL124E FLARED BACK	113-3/4	41	18	79	125-1/4	41	18	87
SGL124E FEEDER BED ONLY	107-1/4	41	0	38.8	118-3/4	41	0	42.9
DBL124E	107-1/4	84	18	159	118-3/4	84	18	176
DBL124E FLARED BACK	113-3/4	84	18	162	125-1/4	84	18	179
DBL124E FEEDER BED ONLY	107-1/4	84	0	79.8	118-3/4	84	0	88.4
TRP 124E	107-1/4	127	18	240	118-3/4	127	18	266
TRP 124E FLARED BACK	113-3/4	127	18	244	125-1/4	127	18	270
TRP 124E FEEDER BED ONLY	107-1/4	127	0	120.8	118-3/4	127	0	133.8
SGL124E CENTER DISCHARGE	129-7/8	41	48	179	N/A			
SGL124E CD FEEDER BED ONLY	129-7/8	41	0	47	N/A			
DBL124E CENTER DISCHARGE	129-7/8	84	48	368	N/A			
DBL124E CD FEEDER BED ONLY	129-7/8	84	0	97.5	N/A			
TRP 124E CENTER DISCHARGE	129-7/8	127	48	556	N/A			
TRP 124E CD FEEDER BED ONLY	129-7/8	127	0	146	N/A			



Hopper Dimension Notes

1. Steele Even Feeders can be supplied as a feeder bed only as shown by the 24 1/4" (616 mm) height dimension noted above. However, our standard offering includes an 18" (457 mm) hopper designed as a mounting base for a larger, custom hopper to meet individual installation needs. As shown, several standard options are available. The Steele hopper is required for an adjustable gate, optional cross shaft, and optional UHMW liner.
2. Steele recommends the longer 124E feeder for installations loaded with a front end loader (the 124E's longer length accommodates a bucket length better than the shorter 88E).
3. For a larger, custom hopper installed above our even feeder, we recommend a steep wall slope no more than 20° from vertical. The tendency for material to bridge above the feeder increases as the hopper wall slope becomes more shallow.
4. We do not recommend the use of an extended hopper with flowable materials such as sand or powder.
5. Feeders can be ground supported or suspended from a hopper. A suspended installation requires reinforcement and should be reviewed with a Steele representative during system design.
6. Steele can provide generic drawing files as .pdf or .dwg formats. Three-dimensional drawings are available in many instances as well. Custom drawings are provided after an order is received.