

## 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
	m <sup>3</sup> /hr	m <sup>3</sup> /hr	m <sup>3</sup> /hr	m <sup>3</sup> /hr	m <sup>3</sup> /hr	m <sup>3</sup> /hr
1	1.8	3.6	5.4	3.6	7.2	10.9
2	3.6	7.2	10.9	7.2	14.5	21.7
3	5.4	10.9	16.3	10.9	21.7	32.5
4	7.2	14.5	21.7	14.5	28.9	43.4
5	9.0	18.1	27.1	18.1	36.2	54.3
6	10.9	21.7	32.6	21.7	43.4	65.1
7	12.7	25.3	38.0	25.3	50.6	75.9
8	14.5	28.9	43.4	28.9	57.9	86.8
9	16.3	32.6	48.8	32.6	65.1	97.7
10	18.1	36.2	54.3	36.2	72.3	108.5
11	19.9	39.8	59.7	39.8	79.6	120.4
12	21.7	43.4	65.1	43.4	86.8	130.2
13	23.5	47.0	70.5	47.0	94.0	141.1
14	25.3	50.6	76.0	50.6	101.3	151.9
15	27.1	54.3	81.4	54.3	108.5	162.8
16	28.9	57.9	86.8	57.9	115.8	173.6
17	30.7	61.5	92.2	61.5	123.0	184.5
18	32.6	65.1	97.7	65.1	130.2	195.3
19	34.4	68.7	103.1	68.7	137.5	206.2
20	36.2	72.3	108.5	72.3	144.7	217.0
21	38.0	76.0	113.9	76.0	151.9	227.9
22	39.8	79.6	119.4	79.6	159.2	238.7
23	41.6	83.2	124.8	83.2	166.4	249.6
24	43.4	86.8	130.2	86.8	173.6	260.5
25	45.2	90.4	135.6	90.4	180.9	271.2
26	47.0	94.0	141.1	94.0	188.1	282.1
27	48.8	97.7	146.5	97.7	195.3	293.0
28	50.6	101.3	151.9	101.3	202.6	303.9
29	52.5	104.9	157.4	104.9	209.8	314.7
30	54.3	108.5	162.8	108.5	217.0	325.5
31	56.1	112.1	168.2	112.1	224.3	336.4
32	57.9	115.8	173.6	115.8	231.5	347.3
33	59.7	119.4	179.1	119.4	238.7	358.1
34	61.5	123.0	184.5	123.0	246.0	368.9
35	63.3	126.6	189.9	126.6	253.2	379.8
36	65.1	130.2	195.3	130.2	260.4	390.7
37	66.9	133.8	200.8	133.8	267.7	401.5
38	68.7	137.5	206.2	137.5	274.9	412.3
39	70.5	141.1	211.6	141.1	282.1	423.2
40	72.3	144.7	217.0	144.7	289.4	434.1

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

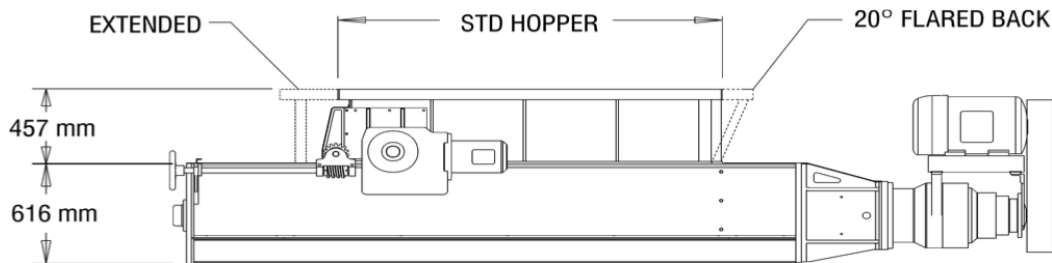
### Feed Rate Notes

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 — METRIC**

FEEDER MODEL	STANDARD HOPPER BASE				EXTENDED HOPPER BASE			
	L (mm)	W (mm)	H (mm)	FEEDER AND HOPPER VOLUME (m <sup>3</sup> )	L (mm)	W (mm)	H (mm)	FEEDER AND HOPPER VOLUME (m <sup>3</sup> )
SGL 88E	1810	1041	457	1.44	2102	1041	457	1.67
SGL 88E FLARED BACK	1975	1041	457	1.50	2267	1041	457	1.73
SGL 88E FEEDER BED ONLY	1810	1041	0	0.73	41	1041	0	0.85
DBL 88E	1810	2134	457	2.97	2102	2134	457	3.46
DBL 88E FLARED BACK	1975	2134	457	3.06	2267	2134	457	3.54
DBL 88E FEEDER BED ONLY	1810	2134	0	1.50	2102	2134	0	1.74
TRP 88E	1810	3226	457	4.50	2102	3226	457	5.24
TRP 88E FLARED BACK	1975	3226	457	4.62	2267	3226	457	5.35
TRP 88E FEEDER BED ONLY	1810	3226	0	2.27	2102	3226	0	2.64
SGL124E	2724	1041	457	2.18	3016	1041	457	2.41
SGL124E FLARED BACK	2889	1041	457	2.24	3181	1041	457	2.46
SGL124E FEEDER BED ONLY	2724	1041	0	1.10	3016	1041	0	1.21
DBL124E	2724	2134	457	4.50	3016	2134	457	4.98
DBL124E FLARED BACK	2889	2134	457	4.59	3181	2134	457	5.07
DBL124E FEEDER BED ONLY	2724	2134	0	2.26	3016	2134	0	2.5
TRP 124E	2724	3226	457	6.80	3016	3226	457	7.53
TRP 124E FLARED BACK	2889	3226	457	6.91	3181	3226	457	7.65
TRP 124E FEEDER BED ONLY	2724	3226	0	3.42	3016	3226	0	3.79
SGL124E CENTER DISCHARGE	3299	1041	1219	5.07	N/A			
SGL124E CD FEEDER BED ONLY	3299	1041	0	1.33	N/A			
DBL124E CENTER DISCHARGE	3299	2134	1219	10.42	N/A			
DBL124E CD FEEDER BED ONLY	3299	2134	0	2.76	N/A			
TRP 124E CENTER DISCHARGE	3299	3226	1219	15.74	N/A			
TRP 124E CD FEEDER BED ONLY	3299	3226	0	4.13	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.