

# SIMPLICITY VGF VIBRATING GRIZZLY FEEDERS



## Oscillating Feeder/Cartridge Style Bearing (OFC) Models

### STANDARD FEATURES

- ▶ Rugged structural steel body
- ▶ Bolt-on AR side liners and pan liners
- ▶ Under-pan suspension at feed end, outboard suspension at grizzly end
- ▶ Right-hand or left-hand drive for vibrator unit, includes machine and motor sheaves, bushings, and V-belts
- ▶ Vibrator unit huck-bolted to feeder pan assembly
- ▶ Unbalanced, counter-rotating vibrator shafts
- ▶ Spherical self-aligning roller bearings
- ▶ Adjustable gear timing allows vibration concentration toward feed or discharge end
- ▶ Oil-bath lubrication
- ▶ Versatile bolt-in grizzly assembly with adjustable bar spacing
- ▶ Single or double grizzly sections
- ▶ Tapered, heavy-duty, abrasion resistant grizzly bars
- ▶ Independently mounted pivot type motor base

### OPTIONAL EQUIPMENT/CUSTOMIZATION

- ▶ All feeders can be custom built to meet customer specifications
- ▶ One, two or three stepped grizzly decks
- ▶ Fixed or adjustable grizzly opening
- ▶ Under-grizzly screen deck
- ▶ Perforated plate or finger grizzly
- ▶ Electric motor
- ▶ Belt guards
- ▶ Oversize bearings

### FEEDER CAPACITIES

Feeder Width (mm)	STPH (MTPH)	Feeder Width (mm)	STPH (MTPH)
39" (991)	180-590 (165-535)	62" (1575)	310-930 (280-845)
45" (1143)	225-675 (205-615)	68" (1727)	340-1035 (305-940)
51" (1295)	255-765 (230-695)	74" (1880)	370-1125 (335-1020)
57" (1448)	285-855 (255-775)	86" (2184)	430-1305 (390-1185)

Note: Increase tonnages 20% for 5 degree decline. Increase tonnages 50% for 10 degree decline. Capacities are based on standard 7/16" (11mm) stroke, 783 rpm. Capacities will vary depending on material, application and material bed depth.

### GRIZZLY THROUGHPUT

Approximate grizzly throughput is 5 stph x square foot of grizzly area x nominal opening. Calculations based on 100 lb/ft<sup>3</sup> material weight. Example: 45' feeder, 5' grizzly, 4" nominal opening: 5 stph x 18.75 square feet grizzly area x 4" nominal opening = 375 stph. Grizzly throughput will vary depending on material gradation and is limited by maximum feeder capacity.

# SPECIFICATIONS

# Terex® Minerals Processing Systems Simplicity VGF Series Vibrating Grizzly Feeders

Standard configurations listed, custom configurations upon request.

Size (mm)	HP (kW)	Weight lb (kg)	Grizzly
39" x 10' (991 x 3048)	20 (15)	8,300 (3765)	One 3' (914)
39" x 12' (991 x 3658)	20 (15)	9,100 (4130)	One 4' (1219)
39" x 14' (991 x 4267)	25 (19)	9,900 (4490)	One 5' (1524)
39" x 16' (991 x 4877)	25 (19)	10,500 (4765)	One 5' (1524)
39" x 18' (991 x 5486)	25 (19)	12,500 (4670)	One 5' (1524)
45" x 10' (1143 x 3048)	20 (15)	9,000 (4085)	One 3' (914)
45" x 12' (1143 x 3658)	25 (19)	9,900 (4490)	One 4' (1219)
45" x 14' (1143 x 4267)	25 (19)	10,800 (4900)	One 5' (1524)
45" x 14' (1143 x 4267)	30 (22)	13,900 (6305)	Two 3' (914)
45" x 16' (1143 x 4877)	25 (19)	12,100 (5490)	One 5' (1524)
45" x 16' (1143 x 4877)	30 (22)	15,000 (6805)	Two 4' (1219)
45" x 18' (1143 x 5486)	25 (19)	15,810 (7175)	One 5' (1524)
45" x 18' (1143 x 5486)	30 (22)	16,600 (7530)	Two 4' (1219)
45" x 20' (1143 x 6096)	30 (22)	17,380 (7885)	One 5' (1524)
45" x 20' (1143 x 6096)	40 (30)	17,700 (8030)	Two 5' (1524)
45" x 22' (1143 x 6706)	40 (30)	17,500 (7940)	One 5' (1524)
45" x 22' (1143 x 6706)	40 (30)	18,600 (8440)	Two 5' (1524)
45" x 24' (1143 x 7315)	40 (30)	18,300 (8300)	One 5' (1524)
45" x 24' (1143 x 7315)	40 (30)	19,500 (8845)	Two 5' (1524)
51" x 10' (1295 x 3048)	20 (15)	9,100 (4130)	One 3' (914)
51" x 12' (1295 x 3658)	25 (19)	10,200 (4630)	One 4' (1219)
51" x 14' (1295 x 4267)	25 (19)	11,400 (5170)	One 5' (1524)
51" x 14' (1295 x 4267)	30 (22)	14,600 (6625)	Two 3' (914)
51" x 16' (1295 x 4877)	30 (22)	12,200 (5535)	One 5' (1524)
51" x 16' (1295 x 4877)	30 (22)	16,400 (7440)	Two 4' (1219)
51" x 18' (1295 x 5486)	30 (22)	16,700 (7575)	One 5' (1524)
51" x 18' (1295 x 5486)	30 (22)	17,400 (7895)	Two 4' (1219)
51" x 20' (1295 x 6096)	40 (30)	17,600 (7985)	One 5' (1524)
51" x 20' (1295 x 6096)	40 (30)	18,400 (8350)	Two 5' (1524)
51" x 22' (1295 x 6706)	40 (30)	18,400 (8350)	One 5' (1524)
51" x 22' (1295 x 6706)	50 (37)	19,600 (8890)	Two 5' (1524)
51" x 24' (1295 x 7315)	50 (37)	19,300 (8755)	One 5' (1524)
51" x 24' (1295 x 7315)	50 (37)	20,700 (9390)	Two 5' (1524)
57" x 16' (1448 x 4877)	30 (22)	16,200 (7350)	One 5' (1524)
57" x 16' (1448 x 4877)	30 (22)	17,300 (7850)	Two 4' (1219)
57" x 18' (1448 x 5486)	30 (22)	17,400 (7895)	One 5' (1524)

Size (mm)	HP (kW)	Weight lb (kg)	Grizzly
57" x 18' (1448 x 5486)	40 (30)	18,300 (8300)	Two 4' (1219)
57" x 20' (1448 x 6096)	40 (30)	18,200 (8255)	One 5' (1524)
57" x 20' (1448 x 6096)	50 (37)	20,900 (9480)	Two 5' (1524)
57" x 22' (1448 x 6706)	40 (30)	19,800 (8985)	One 5' (1524)
57" x 24' (1448 x 7315)	50 (37)	21,000 (9525)	One 5' (1524)
57" x 24' (1448 x 7315)	50 (37)	23,800 (10795)	Two 5' (1524)
62" x 18' (1575 x 5486)	50 (37)	24,500 (11115)	One 5' (1524)
62" x 18' (1575 x 5486)	60 (44)	26,200 (11885)	Two 4' (1219)
62" x 20' (1575 x 6096)	60 (44)	25,500 (11570)	One 5' (1524)
62" x 20' (1575 x 6096)	60 (44)	27,700 (12565)	Two 5' (1524)
62" x 22' (1575 x 6706)	60 (44)	28,600 (12975)	One 5' (1524)
62" x 22' (1575 x 6706)	75 (55)	32,000 (14515)	Two 5' (1524)
62" x 24' (1575 x 7315)	60 (44)	30,100 (13655)	One 5' (1524)
62" x 24' (1575 x 7315)	75 (55)	33,500 (15195)	Two 5' (1524)
68" x 18' (1727 x 5486)	60 (44)	25,800 (11705)	One 5' (1524)
68" x 18' (1727 x 5486)	60 (44)	27,500 (12475)	Two 4' (1219)
68" x 20' (1727 x 6096)	60 (44)	27,400 (12430)	One 5' (1524)
68" x 20' (1727 x 6096)	60 (44)	29,200 (13245)	Two 5' (1524)
68" x 22' (1727 x 6706)	60 (44)	31,500 (14290)	One 5' (1524)
68" x 22' (1727 x 6706)	75 (55)	33,300 (15105)	Two 5' (1524)
68" x 24' (1727 x 7315)	75 (55)	33,100 (15015)	One 5' (1524)
68" x 24' (1727 x 7315)	75 (55)	34,900 (15830)	Two 5' (1524)
74" x 18' (1880 x 5486)	60 (44)	28,000 (12700)	One 5' (1524)
74" x 18' (1880 x 5486)	75 (55)	29,700 (13475)	Two 4' (1219)
74" x 20' (1880 x 6096)	60 (44)	29,600 (13430)	One 5' (1524)
74" x 20' (1880 x 6096)	75 (55)	34,200 (15515)	Two 5' (1524)
74" x 22' (1880 x 6706)	75 (55)	33,600 (15240)	One 5' (1524)
74" x 22' (1880 x 6706)	75 (55)	35,900 (16285)	Two 5' (1524)
74" x 24' (1880 x 7315)	75 (55)	35,300 (16015)	One 5' (1524)
74" x 24' (1880 x 7315)	75 (55)	35,900 (16285)	Two 5' (1524)
74" x 26' (1880 x 7925)	100 (75)	37,000 (16785)	One 5' (1524)
74" x 28' (1880 x 8534)	100 (75)	38,600 (17510)	One 5' (1524)
86" x 20' (2184 x 6096)	75 (55)	35,300 (16015)	One 5' (1524)
86" x 20' (2184 x 6096)	100 (75)	37,400 (16965)	Two 5' (1524)
86" x 22' (2184 x 6706)	100 (75)	37,200 (16875)	One 5' (1524)
86" x 24' (2184 x 7315)	100 (75)	39,100 (17735)	One 5' (1524)

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Terex® Minerals Processing Systems, 212 South Oak Street, Durand, MI 48429 USA  
Tel +1 989 288 3121 Toll Free +1 888 571 8352 Fax +1 989 288 4113 [www.terexmps.com](http://www.terexmps.com)

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