

Diameter Sizer

The Diameter Sizer grades product by diameter, or removes dirt, rocks, and other undesirable materials.

The bed of the diameter sizer consists of a series of sizing rollers. Each roller comprises a stainless steel shaft and "finger" style rubber rollers spaced at a calculated distance along the shaft. The "fingers" from each sizing roller mesh with those of the adjacent rollers, creating a hole at each mesh point where targeted product falls through to discharge under the machine. The rollers turn in the direction of line flow, conveying remaining product to discharge at the end of the machine.

The diameter sizer is frequently used for dry receiving, wet receiving, and at the cutter deck for peeled potato products.

Common Product Applications

- Beets
- Onions
- Potatoes
- Process apples

Benefits

- Accurate Sizing
 - On-the-fly fine-tuning of size
 - Sizing can be adjusted by plus or minus 1/2" (13 mm) from the user-selected target diameter
 - 95% or better efficiency
- Rapid Payback
 - Consistent, accurate sizing enables you to direct sized product to highest-value uses
- Gentle Product Handling
 - Rubber finger-rollers absorb shock, virtually eliminate product damage at infeed
 - No pinch points at discharge to damage or shear product
 - Better yield and product quality

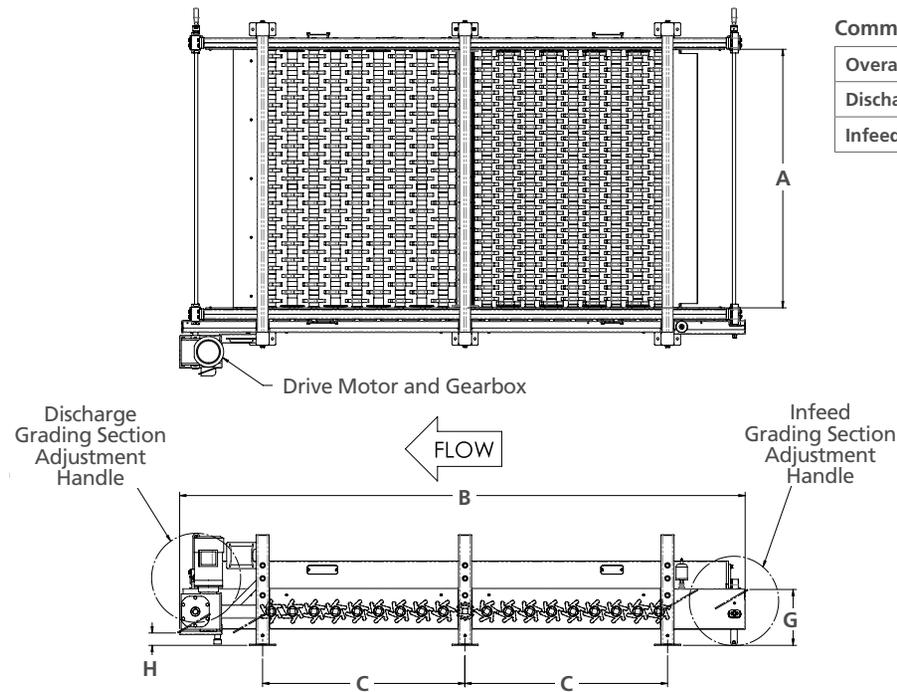


Specifications & Information

- Capacity: Varies with product and requirements
 - Up to 36,000 kg/h (80,000 lb/h) with maximum efficiency
 - Up to 75,000 kg/h (165,000 lb/h) with decreased efficiency
- Efficiency: 95 percent or better
- Sizing: Per application
 - Choose between 1 or 2 adjustable grading sections to split product into 2 or 3 grades
 - Sizing from 1" (25 mm) to 5" (127 mm), with on-the-fly fine adjustment capability
- Style: Open frame with legs
- Construction: Stainless steel frame, shafts, and fasteners, and polymer housed bearings
- Options:
 - Spreader infeed section
 - Frequently used in conjunction with Flite Roller Table and/or Length Sizer for potatoes
 - Food-grade rubber rollers
- Motor/Gearbox
 - Standard: 230/460V, 60 Hz, 3-phase, "C" faced with in-line helical gearbox
 - Horsepower rating varies with machine and application (1 to 2 hp (0.75 to 1.5 kW) typical)
 - Other motor specifications available

Dimensions

Model	Grading Sections	Typical Roll Gap Range	Grading Width "A"		Overall Length "B"		Footprint Length "C"		Overall Width "D"		Footprint Width "E"	
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
DIA-3x5	1	1/2" to 2-3/8" (12 to 60mm)	35	889	71-1/2	1816	33	838	58-1/2	1486	47	1194
DIA-4x5			47	1194					70-1/2	1790	59	1499
DIA-5x5			59	1499					82-1/2	2095	71	1803
DIA-3x10	2	1/2" to 2-3/8" (12 to 60mm)	35	889	130-3/8	3311	46-1/2	1181	58-1/2	1486	47	1194
DIA-4x10			47	1194					70-1/2	1790	59	1499
DIA-5x10			59	1499					82-1/2	2095	71	1803



Common Dimensions

Overall Height "F"	25-3/8"	644.1mm
Discharge Height "G"	2-13/16"	71.8mm
Infeed Height "H"	12-13/16"	325.4mm

