

Control Dispensing from Your Drum

- Use your drum for controlled pouring
- Greatly reduce dust when discharging dry material
- Quickly start and stop dispensing with slide gate or iris valve
- Extend the reach of pour

Use Morse Drum Cones and Clamp Collars to control dispensing of dry material from drum

Replace your drum lid with a properly sized Morse Drum Cone and Clamp Collar to control dispensing operation by turning your drum into a precise pouring instrument. Add a Morse Fork-Lift Karrier or Vertical-Lift Drum Pourer (shown right) and you're ready to pour. Morse Drum Cones are designed for controlled dispensing of dry powdered or granulated material and to reduce dust while discharging. Dispensing can be stopped almost instantly with a slide gate or iris valve. Attaching a Morse drum cone to your drum extends the reach of the pour by up to 15.5". This can be critical when you need to reach beyond obstructions at the receiving container.



Model 5SS-SG-45-23 Stainless Steel Drum Cone with Slide Gate and 45° angle in size # 23, shown with **Model 7SS-23 Clamp Collar** in size # 23 to secure cone to your drum.

Morse Drum Cones and Clamp Collars are available for standard 30 and 55-gallon steel drums, and standard fiber drums with inside diameters of 15.5", 17", 18.5", 20", 21.5", and 23". Specify 45° or 60° angle to the 6" discharge opening. Choose Cones and Clamp Collars made of carbon steel or electro-polished type 304 stainless steel. Carbon steel cones with 45° angle are seamless. Other cones, including those with 60° angle and all stainless steel cones, are welded. Each cone is supplied with a neoprene gasket on the flange that comes in contact with the drum rim. Carbon steel cone interior is treated with a rust inhibitor. Special coatings are available. Select Slide Gate (SG), Iris Valve (IV), Valve Flange (VF) without any valve, or just a 6" opening depending on type of product dispensed. See side 2 for model number selection guide.



Iris Valve with aluminum body for controlling the flow of fine and coarse materials. The operator revolves the handle around the valve to open and close the flexible sleeve. A wide range of fine to coarse materials can be handled without clogging the iris valve.



Applications for Drum Cones

Drum Cones and Clamp Collars are ideal for use with several different series of Morse drum handlers. Stainless steel drum cone with an iris valve (Model 5SS-IV-45-23) is shown below on a fiber drum being lifted with Model 520-114 Vertical-Lift Drum Pourer. Drum Cones can be used with all Morse 500 Series Vertical-Lift Drum Pourers, 285 Series Fork-Lift Karriers, and also with 400 Series Hydra-Lift Karriers.



Special 185 Series Below-Hook Kontrol-Karriers are available with longer arms to provide the increased clearance required for rotating a drum with cone attached.

Morse Clamp Collars secure the cone to your drum

Order a Clamp Collar to secure the cone in position onto the top of your drum. When ordering cones or clamp collars, please specify the outside diameter of the top drum rim. Remove the drum lid and take several measurements across the rim at various points and calculate the average. See selection guide on side 2.



Model 7-23 Clamp Collar carbon steel painted blue, size # 23



Model 7SS-20 Clamp Collar made of type 304 stainless steel, size # 20

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Selection Guide for Morse Drum Cones

The following 6 steps correspond to information in the chart below.

- ① **Cone Material:** Choose stainless steel (SS) or regular steel.
- ② **Valve Type:** Choose slide gate (SG), iris valve (IV), Valve Flange (VF) with no valve, or 6" opening only.
- ③ **Angle of Cone:** Choose 45° or 60° based on flow characteristics of material in your drum and height restrictions within your application.
- ④ **Size #:** Determine Cone Size #.
 - A. Identify drum type (steel or fiber).

B. Measure the top rim outside diameter of your drum.

- I. Remove your drum lid before measuring.
- II. Measure outside diameter across the rim at several points.
- III. Calculate the average rim outside diameter.

C. Select the Cone Size # for your drum type and rim diameter.

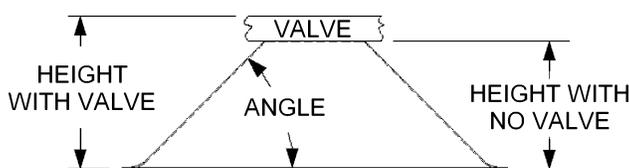
Selection of matching Clamp Collar

- ⑤ **Collar Material:** Choose stainless steel (SS) or regular steel.
- ⑥ **Size #:** Select Size # corresponding to the Size # of your cone.

Cone Model # <input type="text" value="5"/> <input type="text"/> - <input type="text"/> - <input type="text"/> - <input type="text"/>						Clamp Collar Model # <input type="text" value="7"/> <input type="text"/> - <input type="text"/>					
Key to Cone Model Numbers						Fits Drum		Key to Clamp Collar Model Numbers			
	Cone Series #	Cone Material	Valve Type	Angle of Cone	Size #	Drum Type	Rim Diameter (You Measure)		Collar Series #	Collar Material	Size #
Example:	5	SS	- SG	- 45	- 23			Example:	7	SS	- 23
		SS = Stainless Steel Blank = Regular Steel		SG = Slide Gate IV = Iris Valve VF = Valve Flange Blank = No Valve	45 = 45° Angle 60 = 60° Angle	23	55-Gal. Steel or Fiber	23-3/8"			23
						21.5	Fiber	21-7/8"			21.5
						20	Fiber	20-3/8"			20
						19	30-Gal. Steel	19-1/8"			19
						18.5	Fiber	18-7/8"			18.5
						17	Fiber	17-3/8"			17
						15.5	Fiber	15-7/8"			15.5

NOTE: Customized cones to fit a non-standard drum size or type can be ordered as Model 5S, but are not in this chart. Custom Clamp Collars are available as Model 7S.

Cone Dimensions

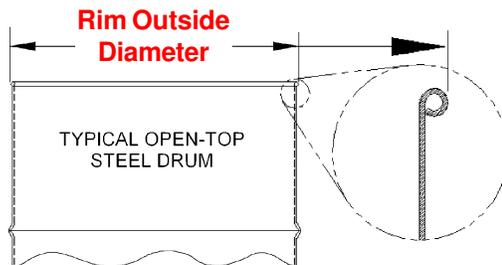
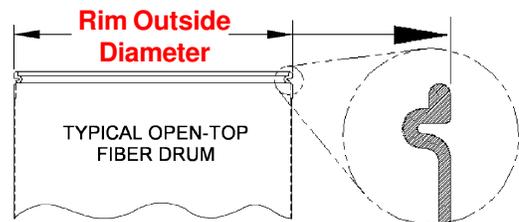


Each Morse Drum Cone has a 6" diameter discharge opening.

Approximate Height of Cones

Size #	45° Angle		60° Angle	
	Height with No Valve	Height with Valve	Height with No Valve	Height with Valve
23	8"	9.5"	14"	15.5"
21.5	7.5"	9"	12.5"	14"
20	7"	8.5"	11.5"	13"
19	6"	7.5"	10.5"	12"
18.5	6"	7.5"	10"	11.5"
17	5.5"	7"	9"	10.5"
15.5	4.5"	6"	7.5"	9"

Measure Rim Outside Diameter



Please contact your Morse dealer: