



# Core Vents – Milled Slot and Self-Cleaning

## Milled Slot Type

All Milled Slot Type Core Vents are accurately machined from solid brass, aluminum or steel. They all feature a beveled leading edge for easy starting.



Milled Slot Type Core Vents are specially designed for mounting on irregular surfaces where the vent head must be machined to fit the box contour.

### .093 Standard Head Thickness – .014 Slot\*\*

Diameter (Inches)	Catalog Number		
	Type AD Aluminum	Type D Brass	Type C Steel
1/8	890-D02B4	891-D02B	893-C02B
3/16	890-D03B4	891-D03B	893-C03B
1/4	890-D04B4	891-D04B4	893-C04B*
5/16	890-D05B4	891-D05B*	893-C05B*
3/8	890-D06B4	891-D06B*	893-C06B*
7/16*	890-D07B5	891-D07B*	893-C07B*
1/2	890-D08B4	891-D08B*	893-C08B*
9/16*	890-D09B5	891-D09B*	893-C09B*
5/8*	890-D10B5	891-D10B*	893-C10B*
3/4*	890-D12B5	891-D12B*	893-C12B*
7/8*	890-D14B5	891-D14B*	893-C14B*
1*	890-D16B5	891-D16B*	893-C16B*

Standard height is 1/4"

\*5/16" high.

\*\*Other head thicknesses (.031 and .156) and slot widths (.010, .012, .016, .018 and .020) are available.

### .156 Extra Deep Head Thickness – .014 Slot\*\*

Diameter (Inches)	Height (Inches)	Catalog Number	
		Brass	Steel
1/8	5/16	891X02B	893X02B
1/8	3/8	891X02B6	—
3/16	5/16	891X03B5	893X03B
3/16	3/8	—	893C03B6
1/4	5/16	891X04B5	—
1/4	3/8	891X04B	893X04B
5/16	3/8	891X05B	893X05B
3/8	3/8	891X06B	893X06B
7/16	3/8	891X07B	893X07B
1/2	3/8	891X08B	893X08B
9/16	3/8	891X09B	893X09B
5/8	3/8	891X10B	893X10B
3/4	3/8	891X12B	893X12B
7/8	3/8	891X14B	893X14B
1	3/8	891X16B	893X16B

To order please specify catalog number and quantity.

## Self-Cleaning Vents

### Type TS

Type TS Core Vents have a brass body with self-cleaning slots diverging toward the underface. This effectively prevents fine particles from clogging the slots and eliminates the need for frequent cleaning. A reinforcing ring in the center adds support.

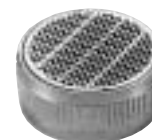


Type TS Core Vents are recommended for CO<sub>2</sub> process applications.

Diameter (Inches)	Catalog Number Brass	Diameter (Inches)	Catalog Number Brass
1/8	891-T02	1/2	891-T08
3/16	891-T03	9/16	891-T09
1/4	891-T04	5/8	891-T10
5/16	891-T05	3/4	891-T12
3/8	891-T06	7/8	891-T14
7/16	891-T07	1	891-T16

### Super Vent Type SV

This Type SV Super Vent is made of extra hard special metal applied with nickel plating and was designed specially to solve clogged vent problems. It is equipped with a self-cleaning mechanism which gives an opening rate of 43 percent.



Diameter (Inches)	Height (Inches)	
	Catalog Number	
	1/4	5/16
1/4	896-0404	896-0405
5/16	896-0504	896-0505
3/8	896-0604	896-0605
7/16	896-0704	896-0705
1/2		896-0805*
9/16		896-0905
5/8		896-1005*
3/4		896-1205*

\*Available with support bars.



# Core Vents

## Type G-14

Type G-14 Core Vents are recommended for use with finer sand, as in the shell molding process. The fine screen prevents sand from entering the vent and screen plugging is minimized. The beveled leading edge assures easy starting.



Type G-14 Core Vents are manufactured with 60 x 70 Monel Metal screen over 14 mesh screen. Vents 1/2" diameter or larger have screen supports. Brass or steel bodies are available.

Diameter (Inches)	Catalog Number	
	Brass	Steel
1/8	891-G02N	893-G02N
3/16	891-G03N	893-G03N
1/4	891-G04N	893-G04N
5/16	891-G05N	893-G05N
3/8	891-G06N	893-G06N
7/16	891-G07N	893-G07N
1/2	891-G08N	893-G08N
9/16	891-G09N	893-G09N
5/8	891-G10N	893-G10N
3/4	891-G12N	893-G12N
7/8	891-G14N	893-G14N
1	891-G16N	893-G16N

## Type 150-L

Recommended for flat surfaces, Type 150-L Core Vents feature long-life service and require little cleaning. The beveled leading edge assures easy starting.

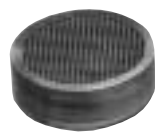


Type 150-L Core Vents are equipped with 150 extra fine mesh steel over type LM Lektromesh. Vents 1/2" diameter or larger have screen supports. Brass or steel bodies are available.

Diameter (Inches)	Catalog Number	
	Brass	Steel
1/8	891-E02Q	893-E02Q
3/16	891-E03Q	893-E03Q
1/4	891-E04Q	893-E04Q
5/16	891-E05Q	893-E05Q
3/8	891-E06Q	893-E06Q
7/16	891-E07Q	893-E07Q
1/2	891-E08Q	893-E08Q
9/16	891-E09Q	893-E09Q
5/8	891-E10Q	893-E10Q
3/4	891-E12Q	893-E12Q
7/8	891-E14Q	893-E14Q
1	891-E16Q	893-E16Q

## Type LM Lektromesh

Type LM Lektromesh Core Vents are an excellent all-purpose vent featuring a very thin head which requires little cleaning. This head provides long-life service and retains its high-venting capacity. The beveled leading edge on the vent assures easy starting.



Type LM Lektromesh Core Vents are equipped with 25 or 40 count mesh with screen supports on vents 1/2" diameter or larger. Brass or steel bodies are available.

For other products used in the foundry, see Tool Section Index, Page 112.

To order please specify catalog number and quantity.

### 25 Count\*

Diameter (Inches)	Catalog Number	
	Brass	Steel
1/8	891-L02R	893-L02R
3/16	891-L03R	893-L03R
1/4	891-L04R	893-L04R
5/16	891-L05R	893-L05R
3/8	891-L06R	893-L06R
7/16	891-L07R	893-L07R
1/2	891-L08R	893-L08R
9/16	891-L09R	893-L09R
5/8	891-L10R	893-L10R
3/4	891-L12R	893-L12R
7/8	891-L14R	893-L14R
1	891-L16R	893-L16R

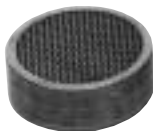
\*Also available with 40 count mesh on request.

# Core Vents and Tools



## Type K

Type K Core Vents feature high vent areas, a large range of screen sizes and a beveled leading edge that assures easy starting.

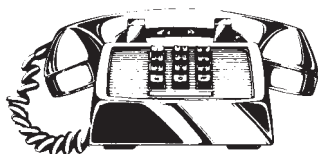


Type K Core Vents are available with 24, 30, 35, 40 and 50 mesh steel screens with brass or steel bodies. Vents 1/2" diameter or larger have screen supports. Metric size vents are also available.

### Type K – 40 Mesh\*

Diameter (Inches)	Catalog Number	
	Brass	Steel
1/8	891-K02K	893-K02K
3/16	891-K03K	893-K03K
1/4	891-K04K	893-K04K
5/16	891-K05K	893-K05K
3/8	891-K06K	893-K06K
7/16	891-K07K	893-K07K
1/2	891-K08K	893-K08K
9/16	891-K09K	893-K09K
5/8	891-K10K	893-K10K
3/4	891-K12K	893-K12K
7/8	891-K14K	893-K14K
1	891-K16K	893-K16K

To order any core vents or tools, please specify catalog number and quantity desired.



For One-Stop  
Ordering  
Call Toll Free  
1-800-321-3170

## Core Vent Inserting Drill



The Core Vent Inserting Drill is a convenient tool that drills an accurate hole for inserting core vents. It drills the hole, provides the proper relief and reams in one operation. Drill stop not included.\*

Diameter (Inches)	Catalog Number
1/8	894-D02
3/16	894-D03
1/4	894-D04
5/16	894-D05
3/8	894-D06
7/16	894-D07
1/2	894-D08
9/16	894-D09
5/8	894-D10
3/4	894-D12
7/8	894-D14
1	894-D16

## Core Vent Cleaner



Core Vent Cleaners are designed for cleaning Milled Slot Core Vents. They are made of blue tempered steel (3-3/4" long x .010" at point) and are rigid and easy to use. One size fits all slot widths.

Description	Catalog Number
Core Vent Cleaner	894-C



## Core Vent Wax

### Master™ Core Vent Wax

Assures the Vent in a Baked Sand Core



Custom blended...

- To fit the job
- To fit the core binder
- To fit the metal

MASTER Core Vent Wax has become a time-tested standard in the foundry industry. It is brown in color and is a pure, specially-blended wax which flows freely into the baked sand core.

It is the one convenient wax needed for both summer and winter use because it does not run together in the summer and remains flexible at normal working temperatures in the winter. This wax produces a clean vent, a permeable core and can be used with all metals. It works equally well with oil, cereal or synthetic binders.

MASTER Core Vent Wax is available in round solid, round hollow and flat oval in diameters from 1/32". Hollow core vent wax offers the advantages of having less wax to dissipate and provides a more permeable core, resulting in better castings.

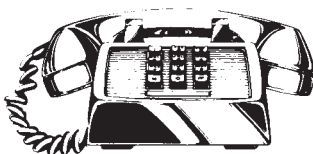
#### Round

Diameter (Inches)	Round Solid		Round Hollow	
	Pounds Per Roll	Catalog Number	Pounds Per Roll	Catalog Number
1/32	1	450-SA1	—	—
1/16	1	450-SB1	—	—
3/32	1	450-SC1	—	—
1/8	4	450-SD4	3	450-HD3
5/32	4	450-SE4	3	450-HE3
3/16	4	450-SF4	3	450-HF3
1/4	4	450-SG4	3	450-HG3
5/16	4	450-SH4	3	450-HH3
3/8	4	450-SJ4	3	450-HJ3
7/16	4	450-SK4	—	—
1/2	4	450-SL4	—	—
5/8	4	450-SM4	—	—

#### Flat Oval Solid

Dimensions (Inches)	Pounds Per Roll	Catalog Number
1/32 x 1/8	1	450-FN1
1/16 x 3/16	1	450-FP1
3/32 x 1/4	4	450-FQ4
1/8 x 3/8	4	450-FR4
3/16 x 1/2	4	450-FS4
1/4 x 3/4	4	450-FT4

To order please specify catalog number and quantity desired.



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