KIC CORPORATION

PRODUCTIVITY
Fast and easy exchange of venting plugs easy cleaning of molding dies.

EFFICIENCY
Drastically decreases defects such as pin holes, mis-run, and short-shots.

DURABILITY
Decrease the replacement frequency of your venting plugs.

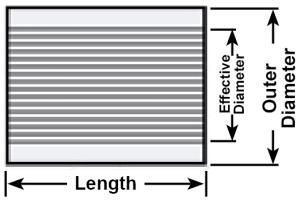
plastiXs® manufacturing solutions

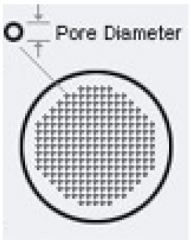
KIC Sintered Vents are made of iron alloy and composed of several straight and uniform pores made through a unique proprietary process.

These pores allow air or gas that gets trapped inside the mold cavity during the injection, or die casting process, to escape freely. The vents act like release windows, while keeping in the molten material from escaping. The objective to a good mold design is to specify as many strategically placed insertion points to hold the vents, thus reducing the possibility of manufacturing defective parts.

KIC Sintered Vents with a pore diameter of 0.3 to 0.5 mm are ideal for low pressure and gravity die casting parts. Vents with ultra fine pores (0.03 mm to 0.1 mm) are typically specified for plastic injection mold applications.

- We can supply vents made to your specification as well as standard sizes (as shown in charts below).
- Actual pore diameters may vary slightly from specifications.
- During installation, do not strike the vent pores.
- Keep insertion tolerances between 0.025 and 0.05mm.





Plastic Injection Molding (Pore Diameter: 0.03–0.10mm)

PART NO.	003-0610	003-0810	003-1010	005-0610	005-0810	005-1010	1-0810	01-1010
OUTER DIAMETER	6	8	10	6	8	10	8	10
EFFECTIVE DIAMETER	2.5	2.5	2.5	3.5	3.5	3.5	5.5	5.5
LENGTH	10	10	10	10	10	10	10	10
PORE QTY	880	880	880	880	880	880	880	880

Low Pressure Die-Casting or Vacuum Casting (Pore Diameter: 0.3 mm)

PART NO.	03-0510	03-0610	03-0615	03-0810	03-0815	03-1010	03-1015	03-1210	03-1215	03-1415
DIAMETER	5	6	6	8	8	10	10	12	12	14
LENGTH	10	10	15	10	15	10	15	10	15	15
PORE QTY	90	90	90	200	200	340	340	340	340	550

Gravity Die-Casting (Pore Diameter: 0.5 mm)

PART NO.	05-0310	05-0410	05-0510	05-0610	05-0615	05-0810	05-0815	05-1010	05-1015	05-1210	05-1215	05-1415	05-1615	05-1815	05-2015	05-2815
DIAMETER	3	4	5	6	6	8	8	10	10	12	12	14	16	18	20	28
LENGTH	10	10	10	10	15	10	15	10	15	10	15	15	15	15	15	15
PORE QTY	40	40	60	60	60	100	100	200	200	200	200	340	340	550	550	970

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