



KIC Sintered Vents are composed of several straight and uniform pores made through a unique 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. To optimize mold design and reduce the possibility of manufacturing defective parts, specify strategically placed insertion points to hold the vents.

KIC Sintered Vents with ultra fine pores (diameters of 0.03mm) have been used successfully in venting systems for plastic injection mold applications. The passage of trapped air and gases can properly be released while blocking the escape of molten plastic. With KIC Sintered Vents, you get shorter shot-cycles while dramatically increasing productivity.

KIC Sintered Vents with a pore diameter of 0.4mm are suitable for larger, gravity die-cast parts, while 0.5mm diameter vents are more suited for smaller parts. Low pressure die-cast, or vacuum casting parts require pore diameters between 0.2 and 0.3mm.



BENEFITS & CHARACTERISTICS

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

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

EFFICIENCY: Perforation volumes are 5–30 times higher than ordinary venting plugs.

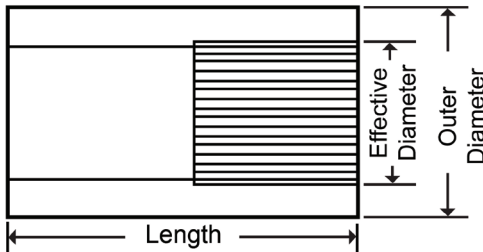
SELECTION: Pore sizes range from 0.03 to 0.5mm; length and diameter of vents to meet your needs.

DURABILITY: Decrease replacement frequency of venting plugs.

Please Note

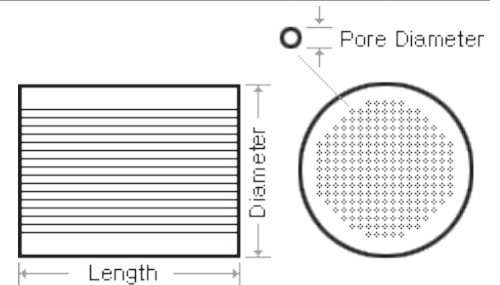
- We can supply custom vents made to your specification as well as all standard sizes shown below.
- During installation, do not strike the vent pores.
- Keep insertion tolerances between 0.025 and 0.05mm.
- Actual pore diameters and specifications may vary slightly and are subject to change without notice.

CODING SYSTEM EXAMPLE: 005-0610 0.05 Pore Diameter (mm) 06 Vent Diameter (mm) 10 Vent Length (mm)



PLASTIC INJECTION MOLDING (Pore Diameter: 0.03–0.10mm)								
CODE	003-0610	003-0810	003-1010	005-0610	005-0810	005-1010	01-0810	01-0810
OUTER DIA	6	8	10	6	8	10	8	10
EFFECTIVE DIA	2.5	2.5	2.5	3.5	3.5	3.5	5.5	5.5
PORE QTY	880	880	880	880	880	880	880	880
LENGTH	10	10	10	10	10	10	10	10

LOW PRESSURE DIE-CASTING AND VACUUM CASTING (Pore Diameter: 0.3± mm)										
CODE	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
PORE QTY	90	90	90	200	200	340	340	340	340	550
LENGTH	10	10	15	10	15	10	15	10	15	15



GRAVITY DIE-CASTING (Pore Diameter: 0.5± mm)																
CODE	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
PORE QTY	40	40	60	60	60	100	100	200	200	200	200	340	240	550	550	970
LENGTH	10	10	10	10	15	10	15	10	15	10	15	15	15	15	15	15

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