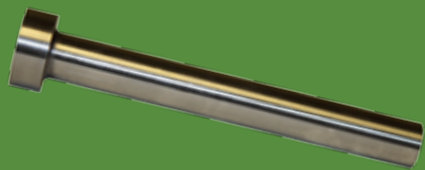


DME

Vortex® Core Pins and Plugs

NEW PRODUCT BULLETIN



VORTEX CORE PINS AND PLUGS

- Prevents burning
- Reduces cycle time
- Enhances part appearance
- Eliminates shrinkage
- Prevents knit lines
- Eliminates short shots
- Simplifies tool to reduce cost

Porcerax II®

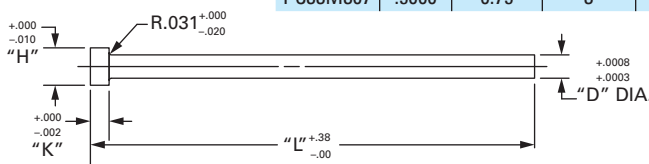
Vortex Core Pins and Plugs are made from Porcerax II. Porcerax II is a porous, sintered metal with a porosity of 20 to 30% by volume. With a series of interconnected pores averaging a diameter of 7 (.0003") or 20 (.0008") microns throughout, the primary function is the elimination of gas.

Vortex Pins and Plugs provide a location-specific method of venting gas. Due to its porosity volume, one fourth of the surface becomes a vent.

Vortex Pins & Plugs

- Pins are 3" long and are available in diameters of .250", .375" and .500"
- Plugs are offered in .250", .500" and 1.00" lengths in diameters of .250" and .375"
- Heat treated to 30–40 HRC
- Tensile strength: 74,000 lbs./sq.in Hardness: HVM 350–400
- Linear Expansion: (at 20–150°C) 6.67–6.94 in./in F
- Porosity: 20 to 30% air by volume
- Heat transfer co-efficient (at room temperature): 16.93–19.35 BTU/ft. hr. F

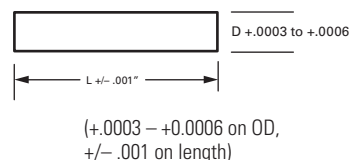
Vortex Core Pin



ITEM NUMBER	D PIN DIA	H HEAD DIA	L PIN LENGTH	K HEAD THICKNESS	PORE SIZE MICRONS
PC17M320	.250	0.437	3	0.187	20
PC17M307	.250	0.437	3	0.187	7
PC25M320	.375	0.625	3	0.25	20
PC25M307	.375	0.625	3	0.25	7
PC33M320	.500	0.75	3	0.25	20
PC33M307	.500	0.75	3	0.25	7

Vortex Plug

ITEM NUMBER	D PIN DIA	L PIN LENGTH	MICRONS
PP141407	0.25	0.25	7
PP141420	0.25	0.25	20
PP141207	.250	0.50	7
PP141220	.250	0.50	20
PP381207	.375	0.50	7
PP381220	.375	0.50	20
PP38107	.375	1.00	7
PP38120	.375	1.00	20



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