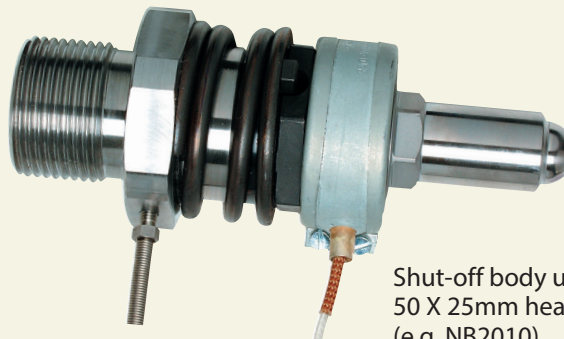


## Shut-off Nozzle

### WARNING

This Shut-Off Nozzle uses wear-resistant Particle Metallurgy materials in the critical wear areas of the pin and insert and will provide long life when moulding regular polyamides, acrylics and similar relatively normal non-abrasive materials. For moulding extremely abrasive materials such as glass filled Ryton, we recommend a Shut-Off Nozzle of similar design made of exclusively of wear resistant CPM9V. Contact factory for price and delivery.



Shut-off body uses 50 X 25mm heater (e.g. NB2010)

### AUTOMATIC OPERATION

Operation is fully automatic and mechanical, with activating force derived from natural machine action. During injection, the material flow and pressure force shut-off pin backwards, thereby overcoming spring tension through pin extension. Material flows unrestricted into mould. As soon as injection pressure is released, the tension of spring forces pin extension and thereby also shut-off pin forward, restricting material flow. Tip is of reverse taper design; hence, residue material is ejected with the finished article, eliminating the possibility of cold slugs and strings.

**CRACKING PRESSURE:** 1800 psi  
(Max. screw back pressure)

### Pressure to fully open

Orifice	PSI
3mm	1900
4mm	2000
5mm	2100
6mm	2200

**NOTE:** Pressures are in lbs. per sq. inch of plastic melt. In most cases the hydraulic pressure of the machine will be one tenth of the above values. It should be noted however, that the hydraulic oil to plastic ratio is not always one-to-ten.

### HOW TO ORDER

1. Specify make and model of machine.
2. Specify length or style (A, B, C or D).
3. Specify radius and orifice of tip.
4. Please identify and advise thread and rear opening of your machine

### Complete Assembly

Item Description	Part No
<b>Complete Assembly:</b>	
Style A (Length L= 113mm)	SONZ1
Style B (Length L= 148mm)	SONZ2
Style C (Length L= 173mm)	SONZ3

Assembly includes complete unit: Body, tip, external spring, CPM9V shut-off pin and CPM9V pin insert, pin extension and adaptor to suit your machine.

### Heaters

Heater For:	Heater Size dia x width
Main Body	50 x 25
SOT1	n/a
SOT2	25 x 25
SOT3	25 x 50

Now available with larger orifice sizes up to 9.5mm, using oversize Shut-off. Call for details.

### REPLACEMENT PARTS

Item Description	Part No
EXTERNAL SPRING	SPG2A
PIN EXTENSION	OPEXT
CPM9V Shut Off Pin for SOT1	OPSOPN
CPM9V Shut Off Pin for SOT2	OPSOPN2
CPM9V Shut Off Pin for SOT3	OPSOPN3
CPM9V INSERT	OPSOI
ADAPTOR TO SUIT YOUR MACHINE	SOAD
NOZZLE TIPS:	
STYLE A (22mm extension)	SOT1
STYLE B (57mm extension)	SOT2
STYLE C (82mm extension)	SOT3

Assembly includes complete assembly: Body, tip, external spring, CPM9V shut-off pin and CPM9V pin insert, pin extension and adaptor to suit your machine.

**PRICE PROMISE**  
We will not be beaten on price for similar product with the same quality and specification

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