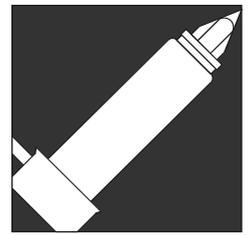


# Micropoint EXT Extended Tip Bushes



## Outstanding Performance

The new Micropoint EXT bush is designed to run both commodity and engineering resins where space in the gate area is severely restricted.

It can be used for gating inside caps and closures, so eliminating any visual gate mark and giving a perfect cosmetic finish.

It can also be used for moulding technical parts in engineering polymers, where gate access is impossible with conventional bushes.

Advanced heater manufacture and shaded watts density provide an excellent temperature profile along the bush length, while external heating permits smooth melt flow channels without any melt stagnation or degradation.

## Features & Benefits

- Permits gating in normally inaccessible areas.
- Suitable for use with both commodity and engineering polymers.
- Profiled heating gives excellent temperature control.
- External heating provides smooth melt flow channels.
- No melt hang-up areas eliminates degradation.
- Replaceable tip, tip seal, heater and thermocouple provides easy servicing and minimum downtime.
- Spares available ex-stock UK.

## Hot Runner Systems By Fast Heat

Unit 7,  
Alder Close,  
Eastbourne,  
East Sussex,  
BN23 6QF.

T: 01323 647375  
F: 01323 410355  
E: [tech-support@fastheatuk.com](mailto:tech-support@fastheatuk.com)  
I: [fastheatuk.com](http://fastheatuk.com)



■ Coil Heating

■ Smooth Melt Flow

■ Compact Size

■ Replaceable Tips

**fast heat**

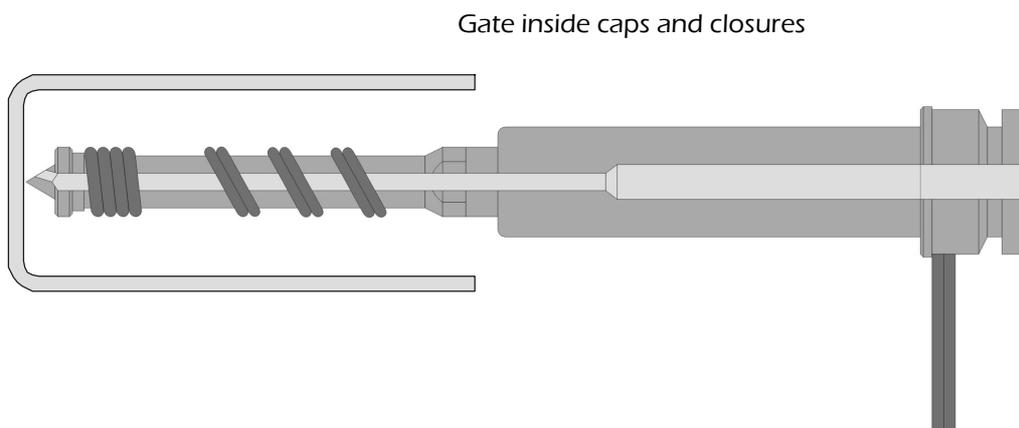
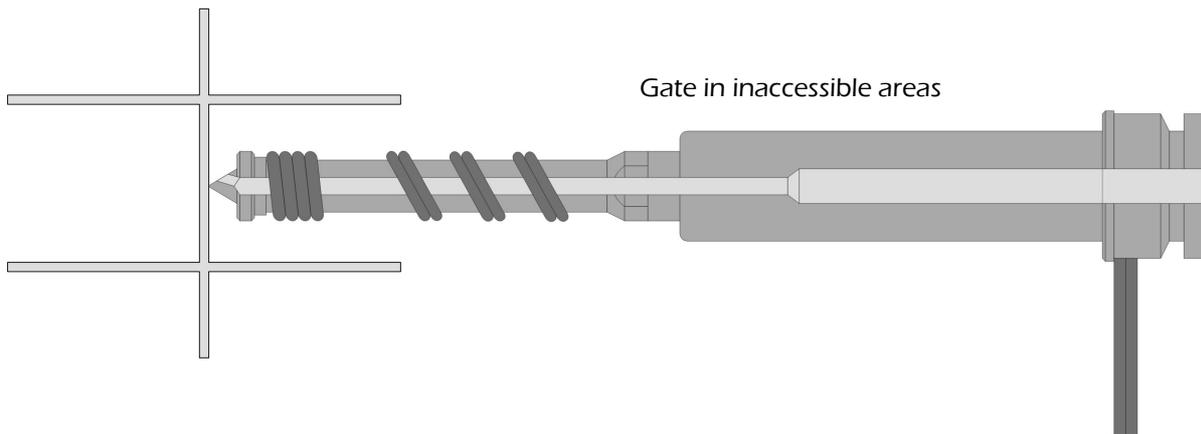
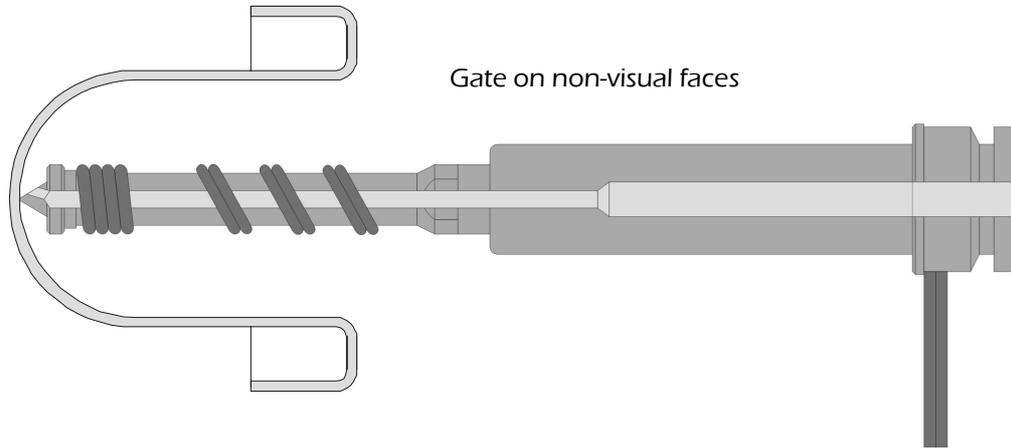
# Micropoint EXT Extended Tip Bushes

EXTENDED TIP APPLICATIONS

## Applications

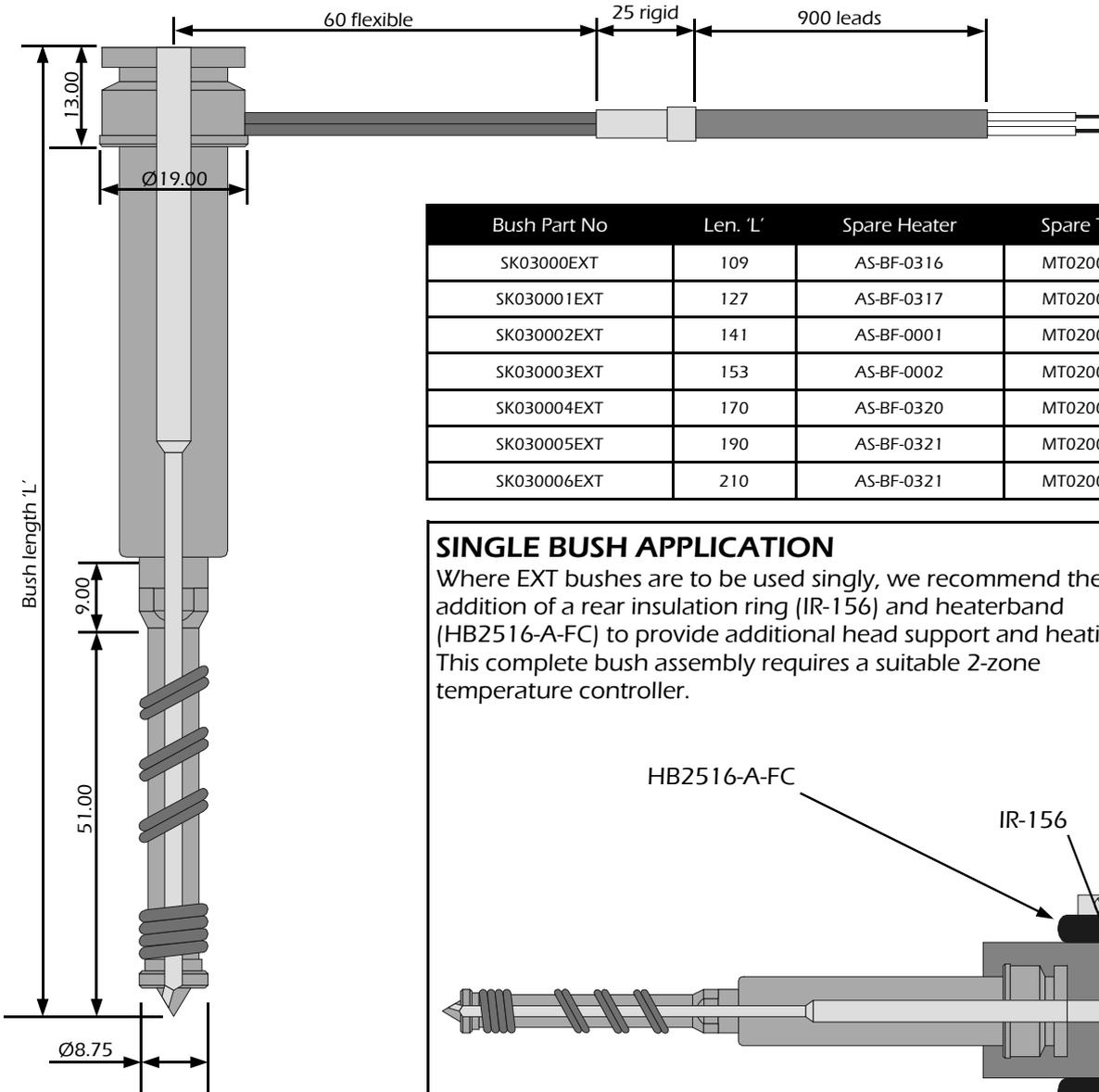
Compact bush dimensions permit the internal gating of parts as small as 17mm inside diameter, while still leaving space for water cooling within the core, around the outside of the hot tip. This provides excellent thermal isolation between the hot melt and the cold core.

Both commodity and engineering polymers can be moulded on the Micropoint EXT, making it an extremely versatile bush.



# Micropoint EXT Extended Tip Bushes

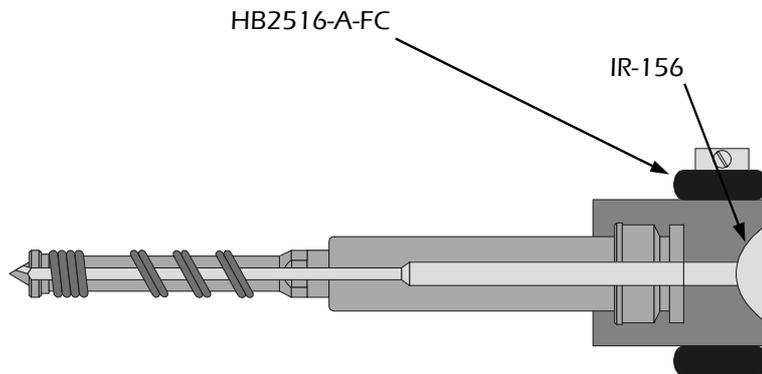
## Precision MT45D—Ordering Chart



Bush Part No	Len. 'L'	Spare Heater	Spare T/C
SK03000EXT	109	AS-BF-0316	MT020029
SK030001EXT	127	AS-BF-0317	MT020029
SK030002EXT	141	AS-BF-0001	MT020030
SK030003EXT	153	AS-BF-0002	MT020030
SK030004EXT	170	AS-BF-0320	MT020045
SK030005EXT	190	AS-BF-0321	MT020045
SK030006EXT	210	AS-BF-0321	MT020046

### SINGLE BUSH APPLICATION

Where EXT bushes are to be used singly, we recommend the addition of a rear insulation ring (IR-156) and heaterband (HB2516-A-FC) to provide additional head support and heating. This complete bush assembly requires a suitable 2-zone temperature controller.



### Ordering Procedure

Manifold Application

- Order bush assembly part number and quantity required.

Single Application

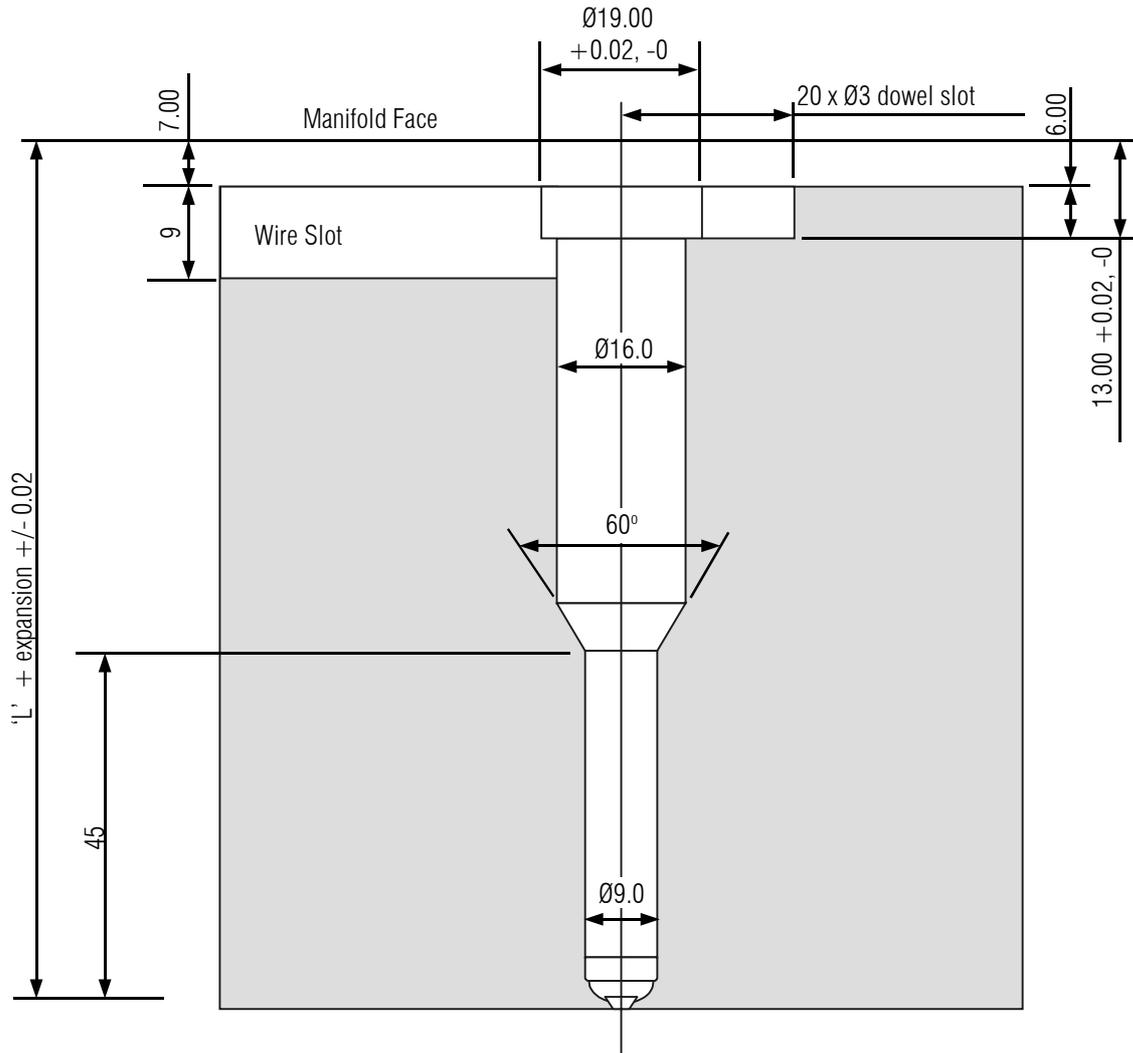
- Order bush assembly part number
- Order insulating ring IR-156
- Order rear heater band HB2516-A-FC
- Specify machine nozzle seating radius required.

### Polymer & Shot Selection Guide

Polymer	Rating	Shot (gm)
ABS	Good	25
Acetal-co	Good	15
Nylon 6	Good	25
Pe-LD	Excellent	35
Pe-HD	Excellent	25
PMMA	Good	10
Pp	Excellent	50
Ps	Excellent	50
SAN	Good	25
SB	Excellent	25

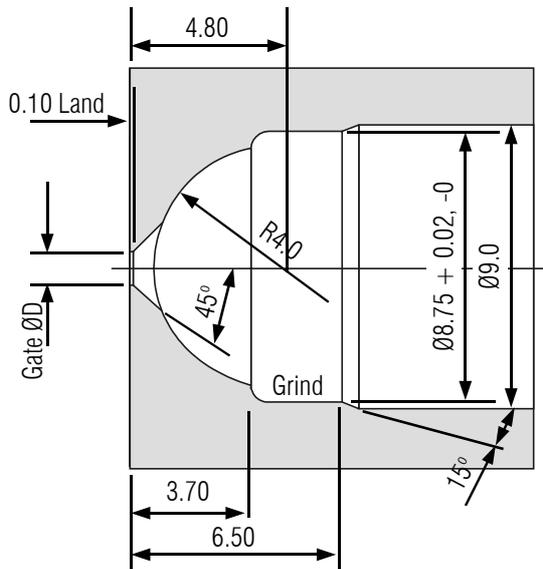


# Micropoint EXT Extended Tip Bushes

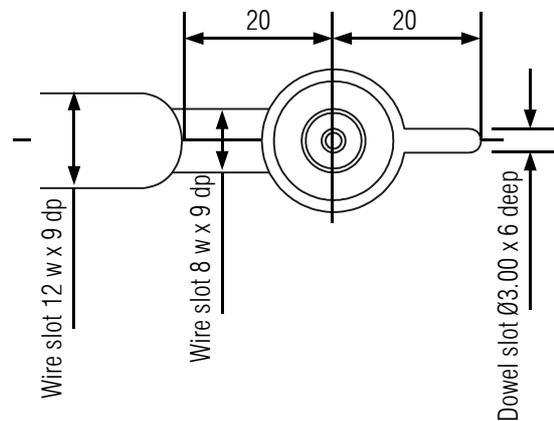


The thermal expansion of the bush relative to the mould is calculated by the formula:  
 'L' - 13 x (melt temp. °C - mould temp. °C) x 0.000145

Gate Detail



Plan View



MANIFOLD APPLICATIONS

# Micropoint EXT Extended Tip Bushes

## Operating / Service Instructions

We recommend that all service operations are carried out at our factory.

### Start Up / Operating Procedures

If the temperature controller does not utilise 'soft start' technology, set the controller to 90°C (200°F) in automatic or 10% in manual. Allow nozzle to 'soak' for 15 minutes before increasing to processing temperature. This step will help disperse any moisture in the heater, and prolong heater life.

### Power Requirements

- 240V AC—15 amp fuse.
- Grounding—Fast Heat nozzles utilise the direct contact of the nozzle mould plates, and machine platens to establish a path for grounding.

### Warning

There must be a ground present between the mould 'Hot Half' and the temperature control system or damage may occur to the heater, thermocouple and / or temperature control system.