

Standard Hot Sprue Bushing Assemblies

PCS Standard Hot Sprue Bushings are designed to replace a conventional cold sprue bushing to assist in reducing scrap, increase cycle time and improve part quality. The standard hot sprue bushing is not supplied with a head heater and is best suited for processing temperature <500°F. Choose from a variety of tip and needle options for gating into a runner or directly in the part whether with filled or unfilled resin.



Features:

- For processing temperature < 500°F
- 3 tips options for gating into a runner or directly in the part
- Standard and wear resistant needle options
- 7 nozzle lengths
- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-13-1-SN-075-1	1.375"	2.25"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-13-1-SN-075W-1	1.375"	2.25"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-13-1-SN-075F-1	1.375"	2.25"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-13-1-SN-075XS-1	1.375"	2.875"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-13-1-SN-075XSW-1	1.375"	2.875"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-13-1-SN-075XSF-1	1.375"	2.875"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-13-1-SN-100-1	1.375"	2.25"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-13-1-SN-100W-1	1.375"	2.25"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-13-1-SN-100F-1	1.375"	2.25"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-13-1-SN-100XS-1	1.375"	2.25"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-13-1-SN-100XSW-1	1.375"	2.875"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-13-1-SN-100XSF-1	1.375"	2.875"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-13-2-SN-075-1	1.375"	2.25"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-13-2-SN-075W-1	1.375"	2.25"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-13-2-SN-075F-1	1.375"	2.25"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-13-2-SN-075XS-1	1.375"	2.875"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-13-2-SN-075XSW-1	1.375"	2.875"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-13-2-SN-075XSF-1	1.375"	2.875"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-13-2-SN-100-1	1.375"	2.25"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-13-2-SN-100W-1	1.375"	2.25"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-13-2-SN-100F-1	1.375"	2.25"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-13-2-SN-100XS-1	1.375"	2.875"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-13-2-SN-100XSW-1	1.375"	2.875"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-13-2-SN-100XSF-1	1.375"	2.875"	3/4"	Bush Nut	1"	0.059"	Flow Through

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- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-18-1-SN-075-1	1.875"	2.75"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-18-1-SN-075W-1	1.875"	2.75"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-18-1-SN-075F-1	1.875"	2.75"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-18-1-SN-075XS-1	1.875"	2.75"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-18-1-SN-075XSW-1	1.875"	2.75"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-18-1-SN-075XSF-1	1.875"	2.75"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-18-1-SN-100-1	1.875"	2.75"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-18-1-SN-100W-1	1.875"	2.75"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-18-1-SN-100F-1	1.875"	2.75"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-18-1-SN-100XS-1	1.875"	3.75"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-18-1-SN-100XSW-1	1.875"	3.75"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-18-1-SN-100XSF-1	1.875"	3.75"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-18-2-SN-075-1	1.875"	2.75"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-18-2-SN-075W-1	1.875"	2.75"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-18-2-SN-075F-1	1.875"	2.75"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-18-2-SN-075XS-1	1.875"	3.375"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-18-2-SN-075XSW-1	1.875"	3.375"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-18-2-SN-075XSF-1	1.875"	3.375"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-18-2-SN-100-1	1.875"	2.75"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-18-2-SN-100W-1	1.875"	2.75"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-18-2-SN-100F-1	1.875"	2.75"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-18-2-SN-100XS-1	1.875"	3.375"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-18-2-SN-100XSW-1	1.875"	3.375"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-18-2-SN-100XSF-1	1.875"	3.375"	3/4"	Bush Nut	1"	0.059"	Flow Through

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Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-23-1-SN-075-1	2.375"	3.25"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-23-1-SN-075W-1	2.375"	3.25"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-23-1-SN-075F-1	2.375"	3.25"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-23-1-SN-075XS-1	2.375"	3.875"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-23-1-SN-075XSW-1	2.375"	3.875"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-23-1-SN-075XSF-1	2.375"	3.875"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-23-1-SN-100-1	2.375"	3.25"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-23-1-SN-100W-1	2.375"	3.25"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-23-1-SN-100F-1	2.375"	3.25"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-23-1-SN-100XS-1	2.375"	3.875"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-23-1-SN-100XSW-1	2.375"	3.875"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-23-1-SN-100XSF-1	2.375"	3.875"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-23-2-SN-075-1	2.375"	3.25"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-23-2-SN-075W-1	2.375"	3.25"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-23-2-SN-075F-1	2.375"	3.25"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-23-2-SN-075XS-1	2.375"	3.875"	3/4"	Bush Nut	0.75"	0.059"	Standard
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HSB-23-2-SN-100W-1	2.375"	3.25"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-23-2-SN-100F-1	2.375"	3.25"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-23-2-SN-100XS-1	2.375"	3.875"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-23-2-SN-100XSW-1	2.375"	3.875"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-23-2-SN-100XSF-1	2.375"	3.875"	3/4"	Bush Nut	1"	0.059"	Flow Through

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Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-28-1-SN-075-1	2.875"	3.75"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-28-1-SN-075W-1	2.875"	3.75"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-28-1-SN-075F-1	2.875"	3.75"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-28-1-SN-075XS-1	2.875"	4.375"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-28-1-SN-075XSW-1	2.875"	4.375"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-28-1-SN-075XSF-1	2.875"	4.375"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-28-1-SN-100-1	2.875"	3.75"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-28-1-SN-100W-1	2.875"	3.75"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-28-1-SN-100F-1	2.875"	3.75"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-28-1-SN-100XS-1	2.875"	4.375"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-28-1-SN-100XSW-1	2.875"	4.375"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-28-1-SN-100XSF-1	2.875"	4.375"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-28-2-SN-075-1	2.875"	3.75"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-28-2-SN-075W-1	2.875"	3.75"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-28-2-SN-075F-1	2.875"	3.75"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-28-2-SN-075XS-1	2.875"	4.375"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-28-2-SN-075XSW-1	2.875"	4.375"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-28-2-SN-075XSF-1	2.875"	4.375"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-28-2-SN-100-1	2.875"	3.75"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-28-2-SN-100W-1	2.875"	3.75"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-28-2-SN-100F-1	2.875"	3.75"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-28-2-SN-100XS-1	2.875"	4.375"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-28-2-SN-100XSW-1	2.875"	4.375"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-33-1-SN-075-1	3.375"	4.25"	1/2"	Bush Nut	0.75"	0.059"	Standard

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HSB-33-1-SN-075W-1	3.375"	4.25"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-33-1-SN-075F-1	3.375"	4.25"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-33-1-SN-075XS-1	3.375"	4.875"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-33-1-SN-075XSW-1	3.375"	4.875"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-33-1-SN-075XSF-1	3.375"	4.875"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-33-1-SN-100-1	3.375"	4.25"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-33-1-SN-100W-1	3.375"	4.25"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-33-1-SN-100F-1	3.375"	4.25"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-33-1-SN-100XS-1	3.375"	4.875"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-33-1-SN-100XSW-1	3.375"	4.875"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-33-1-SN-100XSF-1	3.375"	4.875"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-33-2-SN-075-1	3.375"	4.25"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-33-2-SN-075W-1	3.375"	4.25"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-33-2-SN-075F-1	3.375"	4.25"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-33-2-SN-075XS-1	3.375"	4.875"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-33-2-SN-075XSW-1	3.375"	4.875"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-33-2-SN-075XSF-1	3.375"	4.875"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-33-2-SN-100-1	3.375"	4.25"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-33-2-SN-100W-1	3.375"	4.25"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-33-2-SN-100F-1	3.375"	4.25"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-33-2-SN-100XS-1	3.375"	4.875"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-33-2-SN-100XSW-1	3.375"	4.875"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-33-2-SN-100XSF-1	3.375"	4.875"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-38-1-SN-075-1	3.875"	4.75"	1/2"	Bush Nut	0.75"	0.059"	Standard

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HSB-38-1-SN-075W-1	3.875"	4.75"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-38-1-SN-075F-1	3.875"	4.75"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-38-1-SN-075XS-1	3.875"	5.375"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-38-1-SN-075XSW-1	3.875"	5.375"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-38-1-SN-075XSF-1	3.875"	5.375"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-38-1-SN-100-1	3.875"	4.75"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-38-1-SN-100W-1	3.875"	4.75"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-38-1-SN-100F-1	3.875"	4.75"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-38-1-SN-100XS-1	3.875"	4.75"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-38-1-SN-100XSW-1	3.875"	4.75"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-38-1-SN-100XSF-1	3.875"	4.75"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-38-2-SN-075-1	3.875"	4.75"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-38-2-SN-075W-1	3.875"	4.75"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-38-2-SN-075F-1	3.875"	4.75"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-38-2-SN-075XS-1	3.875"	5.375"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-38-2-SN-075XSW-1	3.875"	5.375"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-38-2-SN-075XSF-1	3.875"	5.375"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-38-2-SN-100-1	3.875"	4.75"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-38-2-SN-100W-1	3.875"	4.75"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-38-2-SN-100F-1	3.875"	4.75"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-38-2-SN-100XS-1	3.875"	5.375"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-38-2-SN-100XSW-1	3.875"	5.375"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-38-2-SN-100XSF-1	3.875"	5.375"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-43-1-SN-075-1	4.375"	5.25"	1/2"	Bush Nut	0.75"	0.059"	Standard

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PCS Standard Hot Sprue Bushings are designed to replace a conventional cold sprue bushing to assist in reducing scrap, increase cycle time and improve part quality. The standard hot sprue bushing is not supplied with a head heater and is best suited for processing temperature <500°F. Choose from a variety of tip and needle options for gating into a runner or directly in the part whether with filled or unfilled resin.



Features:

- For processing temperature < 500°F
- 3 tips options for gating into a runner or directly in the part
- Standard and wear resistant needle options
- 7 nozzle lengths
- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-43-1-SN-075W-1	4.375"	5.25"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-43-1-SN-075F-1	4.375"	5.25"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-43-1-SN-075XS-1	4.375"	5.875"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-43-1-SN-075XSW-1	4.375"	5.875"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-43-1-SN-075XSF-1	4.375"	5.875"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-43-1-SN-100-1	4.375"	5.25"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-43-1-SN-100W-1	4.375"	5.25"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-43-1-SN-100F-1	4.375"	5.25"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-43-1-SN-100XS-1	4.375"	5.875"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-43-1-SN-100XSW-1	4.375"	5.875"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-43-1-SN-100XSF-1	4.375"	5.25"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-43-2-SN-075-1	4.375"	5.25"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-43-2-SN-075W-1	4.375"	5.25"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-43-2-SN-075F-1	4.375"	5.25"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-43-2-SN-075XS-1	4.375"	5.875"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-43-2-SN-075XSW-1	4.375"	5.875"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-43-2-SN-075XSF-1	4.375"	5.875"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-43-2-SN-100-1	4.375"	5.25"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-43-2-SN-100W-1	4.375"	5.25"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-43-2-SN-100F-1	4.375"	5.25"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-43-2-SN-100XS-1	4.375"	5.875"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-43-2-SN-100XSW-1	4.375"	5.875"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-43-2-SN-100XSF-1	4.375"	5.875"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-13-1-ON-1	1.375"	2.25"	1/2"	Open Nut	N/A	N/A	Standard

Standard Hot Sprue Bushing Assemblies

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Features:

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- 7 nozzle lengths
- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-13-1-ON-W-1	1.375"	2.25"	1/2"	Open Nut	N/A	N/A	Wear Resistant
HSB-13-1-ON-F-1	1.375"	2.25"	1/2"	Open Nut	N/A	N/A	Flow Through
HSB-13-2-ON-1	1.375"	2.25"	3/4"	Open Nut	N/A	N/A	Standard
HSB-13-2-ON-W-1	1.375"	2.25"	3/4"	Open Nut	N/A	N/A	Wear Resistant
HSB-13-2-ON-F-1	1.375"	2.25"	3/4"	Open Nut	N/A	N/A	Flow Through
HSB-18-1-ON-1	1.875"	2.75"	1/2"	Open Nut	N/A	N/A	Standard
HSB-18-1-ON-W-1	1.875"	2.75"	1/2"	Open Nut	N/A	N/A	Wear Resistant
HSB-18-1-ON-F-1	1.875"	2.75"	1/2"	Open Nut	N/A	N/A	Flow Through
HSB-18-2-ON-1	1.875"	2.75"	3/4"	Open Nut	N/A	N/A	Standard
HSB-18-2-ON-W-1	1.875"	2.75"	3/4"	Open Nut	N/A	N/A	Wear Resistant
HSB-18-2-ON-F-1	1.875"	2.75"	3/4"	Open Nut	N/A	N/A	Flow Through
HSB-23-1-ON-1	2.375"	3.25"	1/2"	Open Nut	N/A	N/A	Standard
HSB-23-1-ON-W-1	2.375"	3.25"	1/2"	Open Nut	N/A	N/A	Wear Resistant
HSB-23-1-ON-F-1	2.375"	3.25"	1/2"	Open Nut	N/A	N/A	Flow Through
HSB-23-2-ON-1	2.375"	3.25"	3/4"	Open Nut	N/A	N/A	Standard
HSB-23-2-ON-W-1	2.375"	3.25"	3/4"	Open Nut	N/A	N/A	Wear Resistant
HSB-23-2-ON-F-1	2.375"	3.25"	3/4"	Open Nut	N/A	N/A	Flow Through
HSB-28-1-ON-1	2.875"	3.75"	1/2"	Open Nut	N/A	N/A	Standard
HSB-28-1-ON-W-1	2.875"	3.75"	1/2"	Open Nut	N/A	N/A	Wear Resistant
HSB-28-1-ON-F-1	2.875"	3.75"	1/2"	Open Nut	N/A	N/A	Flow Through
HSB-28-2-ON-1	2.875"	3.75"	3/4"	Open Nut	N/A	N/A	Standard
HSB-28-2-ON-W-1	2.875"	3.75"	3/4"	Open Nut	N/A	N/A	Wear Resistant
HSB-28-2-ON-F-1	2.875"	3.75"	3/4"	Open Nut	N/A	N/A	Flow Through
HSB-33-1-ON-1	3.375"	4.25"	1/2"	Open Nut	N/A	N/A	Standard

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- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-33-1-ON-W-1	3.375"	4.25"	1/2"	Open Nut	N/A	N/A	Wear Resistant
HSB-33-1-ON-F-1	3.375"	4.25"	1/2"	Open Nut	N/A	N/A	Flow Through
HSB-33-2-ON-1	3.375"	4.25"	3/4"	Open Nut	N/A	N/A	Standard
HSB-33-2-ON-W-1	3.375"	4.25"	3/4"	Open Nut	N/A	N/A	Wear Resistant
HSB-33-2-ON-F-1	3.375"	4.25"	3/4"	Open Nut	N/A	N/A	Flow Through
HSB-38-1-ON-1	3.875"	4.75"	1/2"	Open Nut	N/A	N/A	Standard
HSB-38-1-ON-W-1	3.875"	4.75"	1/2"	Open Nut	N/A	N/A	Wear Resistant
HSB-38-1-ON-F-1	3.875"	4.75"	1/2"	Open Nut	N/A	N/A	Flow Through
HSB-38-2-ON-1	3.875"	4.75"	3/4"	Open Nut	N/A	N/A	Standard
HSB-38-2-ON-W-1	3.875"	4.75"	3/4"	Open Nut	N/A	N/A	Wear Resistant
HSB-38-2-ON-F-1	3.875"	4.75"	3/4"	Open Nut	N/A	N/A	Flow Through
HSB-43-1-ON-1	4.375"	5.25"	1/2"	Open Nut	N/A	N/A	Standard
HSB-43-1-ON-W-1	4.375"	5.25"	1/2"	Open Nut	N/A	N/A	Wear Resistant
HSB-43-1-ON-F-1	4.375"	5.25"	1/2"	Open Nut	N/A	N/A	Flow Through
HSB-43-2-ON-1	4.375"	5.25"	3/4"	Open Nut	N/A	N/A	Standard
HSB-43-2-ON-W-1	4.375"	5.25"	3/4"	Open Nut	N/A	N/A	Wear Resistant
HSB-43-2-ON-F-1	4.375"	5.25"	3/4"	Open Nut	N/A	N/A	Flow Through
HSB-13-1-SE-075-1	1.375"	2.25"	1/2"	Sprue Nut	0.75"	0.078"	Standard
HSB-13-1-SE-075W-1	1.375"	2.25"	1/2"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-13-1-SE-075F-1	1.375"	2.25"	1/2"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-13-1-SE-100-1	1.375"	2.25"	1/2"	Sprue Nut	1"	0.078"	Standard
HSB-13-1-SE-100W-1	1.375"	2.25"	1/2"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-13-1-SE-100F-1	1.375"	2.25"	1/2"	Sprue Nut	1"	0.078"	Flow Through
HSB-13-1-EF-075-1	1.375"	2.25"	1/2"	Sprue Nut	0.75"	0.078"	N/A

Standard Hot Sprue Bushing Assemblies

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- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-13-1-EF-075-125-1	1.375"	2.25"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-13-1-EF-075XS-1	1.375"	2.875"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-13-1-EF-075XS-078-1	1.375"	2.875"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-13-1-EF-100-1	1.375"	2.25"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-13-1-EF-100-125-1	1.375"	2.25"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-13-1-EF-100XS-1	1.375"	2.875"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-13-1-EF-100XS-078-1	1.375"	2.875"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-13-2-SE-075-1	1.375"	2.25"	3/4"	Sprue Nut	0.75"	0.078"	Standard
HSB-13-2-SE-075W-1	1.375"	2.25"	3/4"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-13-2-SE-075F-1	1.375"	2.25"	3/4"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-13-2-SE-100-1	1.375"	2.25"	3/4"	Sprue Nut	1"	0.078"	Standard
HSB-13-2-SE-100W-1	1.375"	2.25"	3/4"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-13-2-SE-100F-1	1.375"	2.25"	3/4"	Sprue Nut	1"	0.078"	Flow Through
HSB-13-2-EF-075-1	1.375"	2.25"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-13-2-EF-075-125-1	1.375"	2.25"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-13-2-EF-075XS-1	1.375"	2.875"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-13-2-EF-075XS-078-1	1.375"	2.875"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-13-2-EF-100-1	1.375"	2.25"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-13-2-EF-100-125-1	1.375"	2.25"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-13-2-EF-100XS-1	1.375"	2.875"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-13-2-EF-100XS-078-1	1.375"	2.875"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-18-1-SE-075-1	1.875"	2.75"	1/2"	Sprue Nut	0.75"	0.078"	Standard
HSB-18-1-SE-075W-1	1.875"	2.75"	1/2"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-18-1-SE-075F-1	1.875"	2.75"	1/2"	Sprue Nut	0.75"	0.078"	Flow Through

Standard Hot Sprue Bushing Assemblies

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Features:

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- 3 tips options for gating into a runner or directly in the part
- Standard and wear resistant needle options
- 7 nozzle lengths
- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-18-1-SE-100-1	1.875"	2.75"	1/2"	Sprue Nut	1"	0.078"	Standard
HSB-18-1-SE-100W-1	1.875"	2.75"	1/2"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-18-1-SE-100F-1	1.875"	2.75"	1/2"	Sprue Nut	1"	0.078"	Flow Through
HSB-18-1-EF-075-1	1.875"	2.75"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-18-1-EF-075-125-1	1.875"	2.75"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-18-1-EF-075XS-1	1.875"	3.375"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-18-1-EF-075XS-078-1	1.875"	3.375"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-18-1-EF-100-1	1.875"	2.75"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-18-1-EF-100-125-1	1.875"	2.75"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-18-1-EF-100XS-1	1.875"	3.375"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-18-1-EF-100XS-078-1	1.875"	3.375"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-18-2-SE-075-1	1.875"	2.75"	3/4"	Sprue Nut	0.75"	0.078"	Standard
HSB-18-2-SE-075W-1	1.875"	2.75"	3/4"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-18-2-SE-075F-1	1.875"	2.75"	3/4"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-18-2-SE-100-1	1.875"	2.75"	3/4"	Sprue Nut	1"	0.078"	Standard
HSB-18-2-SE-100W-1	1.875"	2.75"	3/4"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-18-2-SE-100F-1	1.875"	2.75"	3/4"	Sprue Nut	1"	0.078"	Flow Through
HSB-18-2-EF-075-1	1.875"	2.75"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-18-2-EF-075-125-1	1.875"	2.75"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-18-2-EF-075XS-1	1.875"	3.375"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-18-2-EF-075XS-078-1	1.875"	3.375"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-18-2-EF-100-1	1.875"	2.75"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-18-2-EF-100-125-1	1.875"	2.75"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-18-2-EF-100XS-1	1.875"	3.375"	3/4"	Sprue Nut	1"	0.125"	N/A

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- 1/2" or 3/4" radius
- Standard 2.000" head diameter
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Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-18-2-EF-100XS-078-1	1.875"	3.375"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-23-1-SE-075-1	2.375"	3.25"	1/2"	Sprue Nut	0.75"	0.078"	Standard
HSB-23-1-SE-075W-1	2.375"	3.25"	1/2"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-23-1-SE-075F-1	2.375"	3.25"	1/2"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-23-1-SE-100-1	2.375"	3.25"	1/2"	Sprue Nut	1"	0.078"	Standard
HSB-23-1-SE-100W-1	2.375"	3.25"	1/2"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-23-1-SE-100F-1	2.375"	3.25"	1/2"	Sprue Nut	1"	0.078"	Flow Through
HSB-23-1-EF-075-1	2.375"	3.25"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-23-1-EF-075-125-1	2.375"	3.25"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-23-1-EF-075XS-1	2.375"	3.875"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-23-1-EF-075XS-078-1	2.375"	3.875"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-23-1-EF-100-1	2.375"	3.25"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-23-1-EF-100-125-1	2.375"	3.25"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-23-1-EF-100XS-1	2.375"	3.875"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-23-1-EF-100XS-078-1	2.375"	3.875"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-23-2-SE-075-1	2.375"	3.25"	3/4"	Sprue Nut	0.75"	0.078"	Standard
HSB-23-2-SE-075W-1	2.375"	3.25"	3/4"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-23-2-SE-075F-1	2.375"	3.25"	3/4"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-23-2-SE-100-1	2.375"	3.25"	3/4"	Sprue Nut	1"	0.078"	Standard
HSB-23-2-SE-100W-1	2.375"	3.25"	3/4"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-23-2-SE-100F-1	2.375"	3.25"	3/4"	Sprue Nut	1"	0.078"	Flow Through
HSB-23-2-EF-075-1	2.375"	3.25"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-23-2-EF-075-125-1	2.375"	3.25"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-23-2-EF-075XS-1	2.375"	3.875"	3/4"	Sprue Nut	0.75"	0.125"	N/A

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- Standard and wear resistant needle options
- 7 nozzle lengths
- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-23-2-EF-075XS-078-1	2.375"	3.875"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-23-2-EF-100-1	2.375"	3.25"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-23-2-EF-100-125-1	2.375"	3.25"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-23-2-EF-100XS-1	2.375"	3.875"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-23-2-EF-100XS-078-1	2.375"	3.875"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-28-1-SE-075-1	2.875"	3.75"	1/2"	Sprue Nut	0.75"	0.078"	Standard
HSB-28-1-SE-075W-1	2.875"	3.75"	1/2"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-28-1-SE-075F-1	2.875"	3.75"	1/2"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-28-1-SE-100-1	2.875"	3.75"	1/2"	Sprue Nut	1"	0.078"	Standard
HSB-28-1-SE-100W-1	2.875"	3.75"	1/2"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-28-1-SE-100F-1	2.875"	3.75"	1/2"	Sprue Nut	1"	0.078"	Flow Through
HSB-28-1-EF-075-1	2.875"	3.75"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-28-1-EF-075-125-1	2.875"	3.75"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-28-1-EF-075XS-1	2.875"	4.375"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-28-1-EF-075XS-078-1	2.875"	4.375"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-28-1-EF-100-1	2.875"	3.75"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-28-1-EF-100-125-1	2.875"	3.75"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-28-1-EF-100XS-1	2.875"	4.375"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-28-1-EF-100XS-078-1	2.875"	4.375"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-28-2-SE-075-1	2.875"	3.75"	3/4"	Sprue Nut	0.75"	0.078"	Standard
HSB-28-2-SE-075W-1	2.875"	3.75"	3/4"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-28-2-SE-075F-1	2.875"	3.75"	3/4"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-28-2-SE-100-1	2.875"	3.75"	3/4"	Sprue Nut	1"	0.078"	Standard
HSB-28-2-SE-100W-1	2.875"	3.75"	3/4"	Sprue Nut	1"	0.078"	Wear Resistant

Standard Hot Sprue Bushing Assemblies

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Features:

- For processing temperature < 500°F
- 3 tips options for gating into a runner or directly in the part
- Standard and wear resistant needle options
- 7 nozzle lengths
- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-28-2-SE-100F-1	2.875"	3.75"	3/4"	Sprue Nut	1"	0.078"	Flow Through
HSB-28-2-EF-075-1	2.875"	3.75"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-28-2-EF-075-125-1	2.875"	3.75"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-28-2-EF-075XS-1	2.875"	4.375"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-28-2-EF-075XS-078-1	2.875"	4.375"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-28-2-EF-100-1	2.875"	3.75"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-28-2-EF-100-125-1	2.875"	3.75"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-28-2-EF-100XS-1	2.875"	4.375"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-28-2-EF-100XS-078-1	2.875"	4.375"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-33-1-SE-075-1	3.375"	4.25"	1/2"	Sprue Nut	0.75"	0.078"	Standard
HSB-33-1-SE-075W-1	3.375"	4.25"	1/2"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-33-1-SE-075F-1	3.375"	4.25"	1/2"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-33-1-SE-100-1	3.375"	4.25"	1/2"	Sprue Nut	1"	0.078"	Standard
HSB-33-1-SE-100W-1	3.375"	4.25"	1/2"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-33-1-SE-100F-1	3.375"	4.25"	1/2"	Sprue Nut	1"	0.078"	Flow Through
HSB-33-1-EF-075-1	3.375"	4.25"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-33-1-EF-075-125-1	3.375"	4.25"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-33-1-EF-075XS-1	3.375"	4.875"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-33-1-EF-075XS-078-1	3.375"	4.875"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-33-1-EF-100-1	3.375"	4.25"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-33-1-EF-100-125-1	3.375"	4.25"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-33-1-EF-100XS-1	3.375"	4.875"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-33-1-EF-100XS-078-1	3.375"	4.875"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-33-2-SE-075-1	3.375"	4.25"	3/4"	Sprue Nut	0.75"	0.078"	Standard

Standard Hot Sprue Bushing Assemblies

PCS Standard Hot Sprue Bushings are designed to replace a conventional cold sprue bushing to assist in reducing scrap, increase cycle time and improve part quality. The standard hot sprue bushing is not supplied with a head heater and is best suited for processing temperature <500°F. Choose from a variety of tip and needle options for gating into a runner or directly in the part whether with filled or unfilled resin.



Features:

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- 3 tips options for gating into a runner or directly in the part
- Standard and wear resistant needle options
- 7 nozzle lengths
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- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-33-2-SE-075W-1	3.375"	4.25"	3/4"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-33-2-SE-075F-1	3.375"	4.25"	3/4"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-33-2-SE-100-1	3.375"	4.25"	3/4"	Sprue Nut	1"	0.078"	Standard
HSB-33-2-SE-100W-1	3.375"	4.25"	3/4"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-33-2-SE-100F-1	3.375"	4.25"	3/4"	Sprue Nut	1"	0.078"	Flow Through
HSB-33-2-EF-075-1	3.375"	4.25"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-33-2-EF-075-125-1	3.375"	4.25"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-33-2-EF-075XS-1	3.375"	4.875"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-33-2-EF-075XS-078-1	3.375"	4.875"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-33-2-EF-100-1	3.375"	4.25"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-33-2-EF-100-125-1	3.375"	4.25"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-33-2-EF-100XS-1	3.375"	4.875"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-33-2-EF-100XS-078-1	3.375"	4.875"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-38-1-SE-075-1	3.875"	4.75"	1/2"	Sprue Nut	0.75"	0.078"	Standard
HSB-38-1-SE-075W-1	3.875"	4.75"	1/2"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-38-1-SE-075F-1	3.875"	4.75"	1/2"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-38-1-SE-100-1	3.875"	4.75"	1/2"	Sprue Nut	1"	0.078"	Standard
HSB-38-1-SE-100W-1	3.875"	4.75"	1/2"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-38-1-SE-100F-1	3.875"	4.75"	1/2"	Sprue Nut	1"	0.078"	Flow Through
HSB-38-1-EF-075-1	3.875"	4.75"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-38-1-EF-075-125-1	3.875"	4.75"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-38-1-EF-075XS-1	3.875"	5.375"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-38-1-EF-075XS-078-1	3.875"	5.375"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-38-1-EF-100-1	3.875"	4.75"	1/2"	Sprue Nut	1"	0.078"	N/A

Standard Hot Sprue Bushing Assemblies

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- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-38-1-EF-100-125-1	3.875"	4.75"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-38-1-EF-100XS-1	3.875"	5.375"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-38-1-EF-100XS-078-1	3.875"	5.375"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-38-2-SE-075-1	3.875"	4.75"	3/4"	Sprue Nut	0.75"	0.078"	Standard
HSB-38-2-SE-075W-1	3.875"	4.75"	3/4"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-38-2-SE-075F-1	3.875"	4.75"	3/4"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-38-2-SE-100-1	3.875"	4.75"	3/4"	Sprue Nut	1"	0.078"	Standard
HSB-38-2-SE-100W-1	3.875"	4.75"	3/4"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-38-2-SE-100F-1	3.875"	4.75"	3/4"	Sprue Nut	1"	0.078"	Flow Through
HSB-38-2-EF-075-1	3.875"	4.75"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-38-2-EF-075-125-1	3.875"	4.75"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-38-2-EF-075XS-1	3.875"	5.375"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-38-2-EF-075XS-078-1	3.875"	5.375"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-38-2-EF-100-1	3.875"	4.75"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-38-2-EF-100-125-1	3.875"	4.75"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-38-2-EF-100XS-1	3.875"	5.375"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-38-2-EF-100XS-078-1	3.875"	5.375"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-43-1-SE-075-1	4.375"	5.25"	1/2"	Sprue Nut	0.75"	0.078"	Standard
HSB-43-1-SE-075W-1	4.375"	5.25"	1/2"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-43-1-SE-075F-1	4.375"	5.25"	1/2"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-43-1-SE-100-1	4.375"	5.25"	1/2"	Sprue Nut	1"	0.078"	Standard
HSB-43-1-SE-100W-1	4.375"	5.25"	1/2"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-43-1-SE-100F-1	4.375"	5.25"	1/2"	Sprue Nut	1"	0.078"	Standard
HSB-43-1-EF-075-1	4.375"	5.25"	1/2"	Sprue Nut	0.75"	0.078"	N/A

Standard Hot Sprue Bushing Assemblies

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- 3 tips options for gating into a runner or directly in the part
- Standard and wear resistant needle options
- 7 nozzle lengths
- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-43-1-EF-075-125-1	4.375"	5.25"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-43-1-EF-075XS-1	4.375"	5.875"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-43-1-EF-075XS-078-1	4.375"	5.875"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-43-1-EF-100-1	4.375"	5.25"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-43-1-EF-100-125-1	4.375"	5.25"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-43-1-EF-100XS-1	4.375"	5.875"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-43-1-EF-100XS-078-1	4.375"	5.875"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-43-2-SE-075-1	4.375"	5.25"	3/4"	Sprue Nut	0.75"	0.078"	Standard
HSB-43-2-SE-075W-1	4.375"	5.25"	3/4"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-43-2-SE-075F-1	4.375"	5.25"	3/4"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-43-2-SE-100-1	4.375"	5.25"	3/4"	Sprue Nut	1"	0.078"	Standard
HSB-43-2-SE-100W-1	4.375"	5.25"	3/4"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-43-2-SE-100F-1	4.375"	5.25"	3/4"	Sprue Nut	1"	0.078"	Flow Through
HSB-43-2-EF-075-1	4.375"	5.25"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-43-2-EF-075-125-1	4.375"	5.25"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-43-2-EF-075XS-1	4.375"	5.875"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-43-2-EF-075XS-078-1	4.375"	5.875"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-43-2-EF-100-1	4.375"	5.25"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-43-2-EF-100-125-1	4.375"	5.25"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-43-2-EF-100XS-1	4.375"	5.875"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-43-2-EF-100XS-078-1	4.375"	5.875"	3/4"	Sprue Nut	1"	0.078"	N/A

High Performance Hot Sprue Bushing Assemblies

PCS High Performance Hot Sprue Bushings are designed to replace a conventional cold sprue bushing to assist in reducing scrap, increase cycle time and improve part quality. The high performance hot sprue bushing is supplied with a head heater and best suited for processing temperature $>500^{\circ}\text{F}$. Choose from a variety of tip and needle options for gating into a runner or directly in the part whether with filled or unfilled resin.



Features:

- For processing temperature $> 500^{\circ}\text{F}$
- 3 tips options for gating into a runner or directly in the part
- Standard and wear resistant needle options
- 7 nozzle lengths
- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-13-1-SN-075-2	1.375"	2.25"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-13-1-SN-075W-2	1.375"	2.25"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-13-1-SN-075F-2	1.375"	2.25"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-13-1-SN-075XS-2	1.375"	2.875"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-13-1-SN-075XSW-2	1.375"	2.875"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-13-1-SN-075XSF-2	1.375"	2.875"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-13-1-SN-100-2	1.375"	2.25"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-13-1-SN-100W-2	1.375"	2.25"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-13-1-SN-100F-2	1.375"	2.25"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-13-1-SN-100XS-2	1.375"	2.875"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-13-1-SN-100XSW-2	1.375"	2.875"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-13-1-SN-100XSF-2	1.375"	2.875"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-13-2-SN-075-2	1.375"	2.25"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-13-2-SN-075W-2	1.375"	2.25"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-13-2-SN-075F-2	1.375"	2.25"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-13-2-SN-075XS-2	1.375"	2.875"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-13-2-SN-075XSW-2	1.375"	2.875"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-13-2-SN-075XSF-2	1.375"	2.25"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-13-2-SN-100-2	1.375"	2.25"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-13-2-SN-100W-2	1.375"	2.25"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-13-2-SN-100F-2	1.375"	2.25"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-13-2-SN-100XS-2	1.375"	2.25"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-13-2-SN-100XSW-2	1.375"	2.875"	3/4"	Bush Nut	1"	0.059"	Wear Resistant

High Performance Hot Sprue Bushing Assemblies

PCS High Performance Hot Sprue Bushings are designed to replace a conventional cold sprue bushing to assist in reducing scrap, increase cycle time and improve part quality. The high performance hot sprue bushing is supplied with a head heater and best suited for processing temperature $>500^{\circ}\text{F}$. Choose from a variety of tip and needle options for gating into a runner or directly in the part whether with filled or unfilled resin.



Features:

- For processing temperature $> 500^{\circ}\text{F}$
- 3 tips options for gating into a runner or directly in the part
- Standard and wear resistant needle options
- 7 nozzle lengths
- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-13-2-SN-100XSF-2	1.375"	2.875"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-18-1-SN-075-2	1.875"	2.75"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-18-1-SN-075W-2	1.875"	2.75"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-18-1-SN-075F-2	1.875"	2.75"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-18-1-SN-075XS-2	1.875"	3.375"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-18-1-SN-075XSW-2	1.875"	3.375"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-18-1-SN-075XSF-2	1.875"	3.375"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-18-1-SN-100-2	1.875"	2.75"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-18-1-SN-100W-2	1.875"	2.75"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-18-1-SN-100F-2	1.875"	2.75"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-18-1-SN-100XS-2	1.875"	3.375"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-18-1-SN-100XSW-2	1.875"	3.375"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-18-1-SN-100XSF-2	1.875"	3.375"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-18-2-SN-075-2	1.875"	2.75"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-18-2-SN-075W-2	1.875"	2.75"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-18-2-SN-075F-2	1.875"	2.75"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-18-2-SN-075XS-2	1.875"	3.375"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-18-2-SN-075XSW-2	1.875"	3.375"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-18-2-SN-075XSF-2	1.875"	3.375"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-18-2-SN-100-2	1.875"	2.75"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-18-2-SN-100W-2	1.875"	2.75"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-18-2-SN-100F-2	1.875"	2.75"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-18-2-SN-100XS-2	1.875"	3.375"	3/4"	Bush Nut	1"	0.059"	Standard

High Performance Hot Sprue Bushing Assemblies

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Features:

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- 3 tips options for gating into a runner or directly in the part
- Standard and wear resistant needle options
- 7 nozzle lengths
- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-18-2-SN-100XSW-2	1.875"	3.375"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-18-2-SN-100XSF-2	1.875"	3.375"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-23-1-SN-075-2	2.375"	3.25"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-23-1-SN-075W-2	2.375"	3.25"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-23-1-SN-075F-2	2.375"	3.25"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-23-1-SN-075XS-2	2.375"	3.875"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-23-1-SN-075XSW-2	2.375"	3.875"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-23-1-SN-075XSF-2	2.375"	3.875"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-23-1-SN-100-2	2.375"	3.25"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-23-1-SN-100W-2	2.375"	3.25"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-23-1-SN-100F-2	2.375"	3.25"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-23-1-SN-100XS-2	2.375"	3.875"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-23-1-SN-100XSW-2	2.375"	3.875"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-23-1-SN-100XSF-2	2.375"	3.875"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-23-2-SN-075-2	2.375"	3.25"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-23-2-SN-075W-2	2.375"	3.25"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-23-2-SN-075F-2	2.375"	3.25"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-23-2-SN-075XS-2	2.375"	3.875"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-23-2-SN-075XSW-2	2.375"	3.875"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-23-2-SN-075XSF-2	2.375"	3.875"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-23-2-SN-100-2	2.375"	3.25"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-23-2-SN-100W-2	2.375"	3.25"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-23-2-SN-100F-2	2.375"	3.25"	3/4"	Bush Nut	1"	0.059"	Flow Through

High Performance Hot Sprue Bushing Assemblies

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- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-23-2-SN-100XS-2	2.375"	3.875"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-23-2-SN-100XSW-2	2.375"	3.875"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-23-2-SN-100XSF-2	2.375"	3.875"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-28-1-SN-075-2	2.875"	3.75"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-28-1-SN-075W-2	2.875"	3.75"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-28-1-SN-075F-2	2.875"	3.75"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-28-1-SN-075XS-2	2.875"	4.375"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-28-1-SN-075XSW-2	2.875"	4.375"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-28-1-SN-075XSF-2	2.875"	4.375"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-28-1-SN-100-2	2.875"	3.75"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-28-1-SN-100W-2	2.875"	3.75"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-28-1-SN-100F-2	2.875"	3.75"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-28-1-SN-100XS-2	2.875"	4.375"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-28-1-SN-100XSW-2	2.875"	4.375"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-28-1-SN-100XSF-2	2.875"	4.375"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-28-2-SN-075-2	2.875"	3.75"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-28-2-SN-075W-2	2.875"	3.75"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-28-2-SN-075F-2	2.875"	3.75"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-28-2-SN-075XS-2	2.875"	4.375"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-28-2-SN-075XSW-2	2.875"	4.375"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-28-2-SN-075XSF-2	2.875"	4.375"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-28-2-SN-100-2	2.875"	3.75"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-28-2-SN-100W-2	2.875"	3.75"	3/4"	Bush Nut	1"	0.059"	Wear Resistant

High Performance Hot Sprue Bushing Assemblies

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Features:

- For processing temperature $> 500^{\circ}\text{F}$
- 3 tips options for gating into a runner or directly in the part
- Standard and wear resistant needle options
- 7 nozzle lengths
- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-28-2-SN-100F-2	2.875"	3.75"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-28-2-SN-100XS-2	2.875"	4.375"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-28-2-SN-100XSW-2	2.875"	4.375"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-28-2-SN-100XSF-2	2.875"	4.375"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-33-1-SN-075-2	3.375"	4.25"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-33-1-SN-075W-2	3.375"	4.25"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-33-1-SN-075F-2	3.375"	4.25"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-33-1-SN-075XS-2	3.375"	4.875"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-33-1-SN-075XSW-2	3.375"	4.875"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-33-1-SN-075XSF-2	3.375"	4.875"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-33-1-SN-100-2	3.375"	4.25"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-33-1-SN-100W-2	3.375"	4.25"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-33-1-SN-100F-2	3.375"	4.25"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-33-1-SN-100XS-2	3.375"	4.25"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-33-1-SN-100XSW-2	3.375"	4.875"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-33-1-SN-100XSF-2	3.375"	4.875"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-33-2-SN-075-2	3.375"	4.25"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-33-2-SN-075W-2	3.375"	4.25"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-33-2-SN-075F-2	3.375"	4.25"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-33-2-SN-075XS-2	3.375"	4.875"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-33-2-SN-075XSW-2	3.375"	4.875"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-33-2-SN-075XSF-2	3.375"	4.875"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-33-2-SN-100-2	3.375"	4.25"	3/4"	Bush Nut	1"	0.059"	Standard

High Performance Hot Sprue Bushing Assemblies

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Features:

- For processing temperature > 500°F
- 3 tips options for gating into a runner or directly in the part
- Standard and wear resistant needle options
- 7 nozzle lengths
- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-33-2-SN-100W-2	3.375"	4.25"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-33-2-SN-100F-2	3.375"	4.25"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-33-2-SN-100XS-2	3.375"	4.875"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-33-2-SN-100XSW-2	3.375"	4.875"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-33-2-SN-100XSF-2	3.375"	4.875"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-38-1-SN-075-2	3.875"	4.75"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-38-1-SN-075W-2	3.875"	4.75"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-38-1-SN-075F-2	3.875"	4.75"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-38-1-SN-075XS-2	3.875"	5.375"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-38-1-SN-075XSW-2	3.875"	5.375"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-38-1-SN-075XSF-2	3.875"	5.375"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-38-1-SN-100-2	3.875"	4.75"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-38-1-SN-100W-2	3.875"	4.75"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-38-1-SN-100F-2	3.875"	4.75"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-38-1-SN-100XS-2	3.875"	5.375"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-38-1-SN-100XSW-2	3.875"	5.375"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-38-1-SN-100XSF-2	3.875"	5.375"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-38-2-SN-075-2	3.875"	4.75"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-38-2-SN-075W-2	3.875"	4.75"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-38-2-SN-075F-2	3.875"	4.75"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-38-2-SN-075XS-2	3.875"	5.375"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-38-2-SN-075XSW-2	3.875"	5.375"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-38-2-SN-075XSF-2	3.875"	5.375"	3/4"	Bush Nut	0.75"	0.059"	Flow Through

High Performance Hot Sprue Bushing Assemblies

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- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-38-2-SN-100-2	3.875"	4.75"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-38-2-SN-100W-2	3.875"	4.75"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-38-2-SN-100F-2	3.875"	4.75"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-38-2-SN-100XS-2	3.875"	4.75"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-38-2-SN-100XSW-2	3.875"	4.75"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-38-2-SN-100XSF-2	3.875"	4.75"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-43-1-SN-075-2	4.375"	5.25"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-43-1-SN-075W-2	4.375"	5.25"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-43-1-SN-075F-2	4.375"	5.25"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-43-1-SN-075XS-2	4.375"	5.875"	1/2"	Bush Nut	0.75"	0.059"	Standard
HSB-43-1-SN-075XSW-2	4.375"	5.875"	1/2"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-43-1-SN-075XSF-2	4.375"	5.875"	1/2"	Bush Nut	0.75"	0.059"	Flow Through
HSB-43-1-SN-100-2	4.375"	5.25"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-43-1-SN-100W-2	4.375"	5.25"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-43-1-SN-100F-2	4.375"	5.25"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-43-1-SN-100XS-2	4.375"	5.25"	1/2"	Bush Nut	1"	0.059"	Standard
HSB-43-1-SN-100XSW-2	4.375"	5.875"	1/2"	Bush Nut	1"	0.059"	Wear Resistant
HSB-43-1-SN-100XSF-2	4.375"	5.875"	1/2"	Bush Nut	1"	0.059"	Flow Through
HSB-43-2-SN-075-2	4.375"	5.25"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-43-2-SN-075W-2	4.375"	5.25"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant
HSB-43-2-SN-075F-2	4.375"	5.25"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-43-2-SN-075XS-2	4.375"	5.875"	3/4"	Bush Nut	0.75"	0.059"	Standard
HSB-43-2-SN-075XSW-2	4.375"	5.875"	3/4"	Bush Nut	0.75"	0.059"	Wear Resistant

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Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-43-2-SN-075XSF-2	4.375"	5.875"	3/4"	Bush Nut	0.75"	0.059"	Flow Through
HSB-43-2-SN-100-2	4.375"	5.25"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-43-2-SN-100W-2	4.375"	5.25"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-43-2-SN-100F-2	4.375"	5.25"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-43-2-SN-100XS-2	4.375"	5.875"	3/4"	Bush Nut	1"	0.059"	Standard
HSB-43-2-SN-100XSW-2	4.375"	5.875"	3/4"	Bush Nut	1"	0.059"	Wear Resistant
HSB-43-2-SN-100XSF-2	4.375"	5.875"	3/4"	Bush Nut	1"	0.059"	Flow Through
HSB-13-1-ON-2	1.375"	2.25"	1/2"	Open Nut	N/A	N/A	Standard
HSB-13-1-ON-W-2	1.375"	2.25"	1/2"	Open Nut	N/A	N/A	Wear Resistant
HSB-13-1-ON-F-2	1.375"	2.25"	1/2"	Open Nut	N/A	N/A	Flow Through
HSB-13-2-ON-2	1.375"	2.25"	3/4"	Open Nut	N/A	N/A	Standard
HSB-13-2-ON-W-2	1.375"	2.25"	3/4"	Open Nut	N/A	N/A	Wear Resistant
HSB-13-2-ON-F-2	1.375"	2.25"	3/4"	Open Nut	N/A	N/A	Flow Through
HSB-18-1-ON-2	1.875"	2.75"	1/2"	Open Nut	N/A	N/A	Standard
HSB-18-1-ON-W-2	1.875"	2.75"	1/2"	Open Nut	N/A	N/A	Wear Resistant
HSB-18-1-ON-F-2	1.875"	2.75"	1/2"	Open Nut	N/A	N/A	Flow Through
HSB-18-2-ON-2	1.875"	2.75"	3/4"	Open Nut	N/A	N/A	Standard
HSB-18-2-ON-W-2	1.875"	2.75"	3/4"	Open Nut	N/A	N/A	Wear Resistant
HSB-18-2-ON-F-2	1.875"	2.75"	3/4"	Open Nut	N/A	N/A	Flow Through
HSB-23-1-ON-2	2.375"	3.25"	1/2"	Open Nut	N/A	N/A	Standard
HSB-23-1-ON-W-2	2.375"	3.25"	1/2"	Open Nut	N/A	N/A	Wear Resistant
HSB-23-1-ON-F-2	2.375"	3.25"	1/2"	Open Nut	N/A	N/A	Flow Through
HSB-23-2-ON-2	2.375"	3.25"	3/4"	Open Nut	N/A	N/A	Standard

High Performance Hot Sprue Bushing Assemblies

PCS High Performance Hot Sprue Bushings are designed to replace a conventional cold sprue bushing to assist in reducing scrap, increase cycle time and improve part quality. The high performance hot sprue bushing is supplied with a head heater and best suited for processing temperature >500°F. Choose from a variety of tip and needle options for gating into a runner or directly in the part whether with filled or unfilled resin.



Features:

- For processing temperature > 500°F
- 3 tips options for gating into a runner or directly in the part
- Standard and wear resistant needle options
- 7 nozzle lengths
- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-23-2-ON-W-2	2.375"	3.25"	3/4"	Open Nut	N/A	N/A	Wear Resistant
HSB-23-2-ON-F-2	2.375"	3.25"	3/4"	Open Nut	N/A	N/A	Flow Through
HSB-28-1-ON-2	2.875"	3.75"	1/2"	Open Nut	N/A	N/A	Standard
HSB-28-1-ON-W-2	2.875"	3.75"	1/2"	Open Nut	N/A	N/A	Wear Resistant
HSB-28-1-ON-F-2	2.875"	3.75"	1/2"	Open Nut	N/A	N/A	Flow Through
HSB-28-2-ON-2	2.875"	3.75"	3/4"	Open Nut	N/A	N/A	Standard
HSB-28-2-ON-W-2	2.875"	3.75"	3/4"	Open Nut	N/A	N/A	Wear Resistant
HSB-28-2-ON-F-2	2.875"	3.75"	3/4"	Open Nut	N/A	N/A	Flow Through
HSB-33-1-ON-2	3.375"	4.25"	1/2"	Open Nut	N/A	N/A	Standard
HSB-33-1-ON-W-2	3.375"	4.25"	1/2"	Open Nut	N/A	N/A	Wear Resistant
HSB-33-1-ON-F-2	3.375"	4.25"	1/2"	Open Nut	N/A	N/A	Flow Through
HSB-33-2-ON-2	3.375"	4.25"	3/4"	Open Nut	N/A	N/A	Standard
HSB-33-2-ON-W-2	3.375"	4.25"	3/4"	Open Nut	N/A	N/A	Wear Resistant
HSB-33-2-ON-F-2	3.375"	4.25"	3/4"	Open Nut	N/A	N/A	Flow Through
HSB-38-1-ON-2	3.875"	4.75"	1/2"	Open Nut	N/A	N/A	Standard
HSB-38-1-ON-W-2	3.875"	4.75"	1/2"	Open Nut	N/A	N/A	Wear Resistant
HSB-38-1-ON-F-2	3.875"	4.75"	1/2"	Open Nut	N/A	N/A	Flow Through
HSB-38-2-ON-2	3.875"	4.75"	3/4"	Open Nut	N/A	N/A	Standard
HSB-38-2-ON-W-2	3.875"	4.75"	3/4"	Open Nut	N/A	N/A	Wear Resistant
HSB-38-2-ON-F-2	3.875"	4.75"	3/4"	Open Nut	N/A	N/A	Flow Through
HSB-43-1-ON-2	4.375"	5.25"	1/2"	Open Nut	N/A	N/A	Standard
HSB-43-1-ON-W-2	4.375"	5.25"	1/2"	Open Nut	N/A	N/A	Wear Resistant
HSB-43-1-ON-F-2	4.375"	5.25"	1/2"	Open Nut	N/A	N/A	Flow Through

High Performance Hot Sprue Bushing Assemblies

PCS High Performance Hot Sprue Bushings are designed to replace a conventional cold sprue bushing to assist in reducing scrap, increase cycle time and improve part quality. The high performance hot sprue bushing is supplied with a head heater and best suited for processing temperature >500°F. Choose from a variety of tip and needle options for gating into a runner or directly in the part whether with filled or unfilled resin.



Features:

- For processing temperature > 500°F
- 3 tips options for gating into a runner or directly in the part
- Standard and wear resistant needle options
- 7 nozzle lengths
- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-43-2-ON-2	4.375"	5.25"	3/4"	Open Nut	N/A	N/A	Standard
HSB-43-2-ON-W-2	4.375"	5.25"	3/4"	Open Nut	N/A	N/A	Wear Resistant
HSB-43-2-ON-F-2	4.375"	5.25"	3/4"	Open Nut	N/A	N/A	Flow Through
HSB-13-1-SE-075-2	1.375"	2.25"	1/2"	Sprue Nut	0.75"	0.078"	Standard
HSB-13-1-SE-075W-2	1.375"	2.25"	1/2"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-13-1-SE-075F-2	1.375"	2.25"	1/2"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-13-1-SE-100-2	1.375"	2.25"	1/2"	Sprue Nut	1"	0.078"	Standard
HSB-13-1-SE-100W-2	1.375"	2.25"	1/2"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-13-1-SE-100F-2	1.375"	2.25"	1/2"	Sprue Nut	1"	0.078"	Flow Through
HSB-13-1-EF-075-2	1.375"	2.25"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-13-1-EF-075-125-2	1.375"	2.25"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-13-1-EF-075XS-2	1.375"	2.875"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-13-1-EF-075XS-078-2	1.375"	2.875"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-13-1-EF-100-2	1.375"	2.25"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-13-1-EF-100-125-2	1.375"	2.25"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-13-1-EF-100XS-2	1.375"	2.875"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-13-1-EF-100XS-078-2	1.375"	2.875"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-13-2-SE-075-2	1.375"	2.25"	3/4"	Sprue Nut	0.75"	0.078"	Standard
HSB-13-2-SE-075W-2	1.375"	2.25"	3/4"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-13-2-SE-075F-2	1.375"	2.25"	3/4"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-13-2-SE-100-2	1.375"	2.25"	3/4"	Sprue Nut	1"	0.078"	Standard
HSB-13-2-SE-100W-2	1.375"	2.25"	3/4"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-13-2-SE-100F-2	1.375"	2.25"	3/4"	Sprue Nut	1"	0.078"	Flow Through

High Performance Hot Sprue Bushing Assemblies

PCS High Performance Hot Sprue Bushings are designed to replace a conventional cold sprue bushing to assist in reducing scrap, increase cycle time and improve part quality. The high performance hot sprue bushing is supplied with a head heater and best suited for processing temperature >500°F. Choose from a variety of tip and needle options for gating into a runner or directly in the part whether with filled or unfilled resin.



Features:

- For processing temperature > 500°F
- 3 tips options for gating into a runner or directly in the part
- Standard and wear resistant needle options
- 7 nozzle lengths
- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-13-2-EF-075-2	1.375"	2.25"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-13-2-EF-075-125-2	1.375"	2.25"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-13-2-EF-075XS-2	1.375"	2.875"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-13-2-EF-075XS-078-2	1.375"	2.875"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-13-2-EF-100-2	1.375"	2.25"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-13-2-EF-100-125-2	1.375"	2.25"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-13-2-EF-100XS-2	1.375"	2.875"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-13-2-EF-100XS-078-2	1.375"	2.875"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-18-1-SE-075-2	1.875"	2.75"	1/2"	Sprue Nut	0.75"	0.078"	Standard
HSB-18-1-SE-075W-2	1.875"	2.75"	1/2"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-18-1-SE-075F-2	1.875"	2.75"	1/2"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-18-1-SE-100-2	1.875"	2.75"	1/2"	Sprue Nut	1"	0.078"	Standard
HSB-18-1-SE-100W-2	1.875"	2.75"	1/2"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-18-1-SE-100F-2	1.875"	2.75"	1/2"	Sprue Nut	1"	0.078"	Flow Through
HSB-18-1-EF-075-2	1.875"	2.75"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-18-1-EF-075-125-2	1.875"	2.75"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-18-1-EF-075XS-2	1.875"	3.375"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-18-1-EF-075XS-078-2	1.875"	3.375"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-18-1-EF-100-2	1.875"	2.75"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-18-1-EF-100-125-2	1.875"	2.75"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-18-1-EF-100XS-2	1.875"	3.375"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-18-1-EF-100XS-078-2	1.875"	3.375"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-18-2-SE-075-2	1.875"	2.75"	3/4"	Sprue Nut	0.75"	0.078"	Standard

High Performance Hot Sprue Bushing Assemblies

PCS High Performance Hot Sprue Bushings are designed to replace a conventional cold sprue bushing to assist in reducing scrap, increase cycle time and improve part quality. The high performance hot sprue bushing is supplied with a head heater and best suited for processing temperature >500°F. Choose from a variety of tip and needle options for gating into a runner or directly in the part whether with filled or unfilled resin.



Features:

- For processing temperature > 500°F
- 3 tips options for gating into a runner or directly in the part
- Standard and wear resistant needle options
- 7 nozzle lengths
- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-18-2-SE-075W-2	1.875"	2.75"	3/4"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-18-2-SE-075F-2	1.875"	2.75"	3/4"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-18-2-SE-100-2	1.875"	2.75"	3/4"	Sprue Nut	1"	0.078"	Standard
HSB-18-2-SE-100W-2	1.875"	2.75"	3/4"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-18-2-SE-100F-2	1.875"	2.75"	3/4"	Sprue Nut	1"	0.078"	Flow Through
HSB-18-2-EF-075-2	1.875"	2.75"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-18-2-EF-075-125-2	1.875"	2.75"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-18-2-EF-075XS-2	1.875"	3.375"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-18-2-EF-075XS-078-2	1.875"	3.375"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-18-2-EF-100-2	1.875"	2.75"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-18-2-EF-100-125-2	1.875"	2.75"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-18-2-EF-100XS-2	1.875"	3.375"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-18-2-EF-100XS-078-2	1.875"	3.375"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-23-1-SE-075-2	2.375"	3.25"	1/2"	Sprue Nut	0.75"	0.078"	Standard
HSB-23-1-SE-075W-2	2.375"	3.25"	1/2"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-23-1-SE-075F-2	2.375"	3.25"	1/2"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-23-1-SE-100-2	2.375"	3.25"	1/2"	Sprue Nut	1"	0.078"	Standard
HSB-23-1-SE-100W-2	2.375"	3.25"	1/2"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-23-1-SE-100F-2	2.375"	3.25"	1/2"	Sprue Nut	1"	0.078"	Flow Through
HSB-23-1-EF-075-2	2.375"	3.25"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-23-1-EF-075-125-2	2.375"	3.25"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-23-1-EF-075XS-2	2.375"	3.875"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-23-1-EF-075XS-078-2	2.375"	3.875"	1/2"	Sprue Nut	0.75"	0.078"	N/A

High Performance Hot Sprue Bushing Assemblies

PCS High Performance Hot Sprue Bushings are designed to replace a conventional cold sprue bushing to assist in reducing scrap, increase cycle time and improve part quality. The high performance hot sprue bushing is supplied with a head heater and best suited for processing temperature $>500^{\circ}\text{F}$. Choose from a variety of tip and needle options for gating into a runner or directly in the part whether with filled or unfilled resin.



Features:

- For processing temperature $> 500^{\circ}\text{F}$
- 3 tips options for gating into a runner or directly in the part
- Standard and wear resistant needle options
- 7 nozzle lengths
- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-23-1-EF-100-2	2.375"	3.25"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-23-1-EF-100-125-2	2.375"	3.25"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-23-1-EF-100XS-2	2.375"	3.875"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-23-1-EF-100XS-078-2	2.375"	3.875"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-23-2-SE-075-2	2.375"	3.25"	3/4"	Sprue Nut	0.75"	0.078"	Standard
HSB-23-2-SE-075W-2	2.375"	3.25"	3/4"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-23-2-SE-075F-2	2.375"	3.25"	3/4"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-23-2-SE-100-2	2.375"	3.25"	3/4"	Sprue Nut	1"	0.078"	Standard
HSB-23-2-SE-100W-2	2.375"	3.25"	3/4"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-23-2-SE-100F-2	2.375"	3.25"	3/4"	Sprue Nut	1"	0.078"	Flow Through
HSB-23-2-EF-075-2	2.375"	3.25"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-23-2-EF-075-125-2	2.375"	3.25"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-23-2-EF-075XS-2	2.375"	3.875"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-23-2-EF-075XS-078-2	2.375"	3.875"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-23-2-EF-100-2	2.375"	3.25"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-23-2-EF-100-125-2	2.375"	3.25"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-23-2-EF-100XS-2	2.375"	3.875"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-23-2-EF-100XS-078-2	2.375"	3.875"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-28-1-SE-075-2	2.875"	3.75"	1/2"	Sprue Nut	0.75"	0.078"	Standard
HSB-28-1-SE-075W-2	2.875"	3.75"	1/2"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-28-1-SE-075F-2	2.875"	3.75"	1/2"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-28-1-SE-100-2	2.875"	3.75"	1/2"	Sprue Nut	1"	0.078"	Standard
HSB-28-1-SE-100W-2	2.875"	3.75"	1/2"	Sprue Nut	1"	0.078"	Wear Resistant

High Performance Hot Sprue Bushing Assemblies

PCS High Performance Hot Sprue Bushings are designed to replace a conventional cold sprue bushing to assist in reducing scrap, increase cycle time and improve part quality. The high performance hot sprue bushing is supplied with a head heater and best suited for processing temperature >500°F. Choose from a variety of tip and needle options for gating into a runner or directly in the part whether with filled or unfilled resin.



Features:

- For processing temperature > 500°F
- 3 tips options for gating into a runner or directly in the part
- Standard and wear resistant needle options
- 7 nozzle lengths
- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-28-1-SE-100F-2	2.875"	3.75"	1/2"	Sprue Nut	1"	0.078"	Flow Through
HSB-28-1-EF-075-2	2.875"	3.75"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-28-1-EF-075-125-2	2.875"	3.75"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-28-1-EF-075XS-2	2.875"	4.375"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-28-1-EF-075XS-078-2	2.875"	4.375"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-28-1-EF-100-2	2.875"	3.75"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-28-1-EF-100-125-2	2.875"	3.75"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-28-1-EF-100XS-2	2.875"	4.375"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-28-1-EF-100XS-078-2	2.875"	4.375"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-28-2-SE-075-2	2.875"	3.75"	3/4"	Sprue Nut	0.75"	0.078"	Standard
HSB-28-2-SE-075W-2	2.875"	3.75"	3/4"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-28-2-SE-075F-2	2.875"	3.75"	3/4"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-28-2-SE-100-2	2.875"	3.75"	3/4"	Sprue Nut	1"	0.078"	Standard
HSB-28-2-SE-100W-2	2.875"	3.75"	3/4"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-28-2-SE-100F-2	2.875"	3.75"	3/4"	Sprue Nut	1"	0.078"	Flow Through
HSB-28-2-EF-075-2	2.875"	3.75"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-28-2-EF-075-125-2	2.875"	3.75"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-28-2-EF-075XS-2	2.875"	4.375"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-28-2-EF-075XS-078-2	2.875"	4.375"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-28-2-EF-100-2	2.875"	3.75"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-28-2-EF-100-125-2	2.875"	3.75"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-28-2-EF-100XS-2	2.875"	4.375"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-28-2-EF-100XS-078-2	2.875"	4.375"	3/4"	Sprue Nut	1"	0.078"	N/A

High Performance Hot Sprue Bushing Assemblies

PCS High Performance Hot Sprue Bushings are designed to replace a conventional cold sprue bushing to assist in reducing scrap, increase cycle time and improve part quality. The high performance hot sprue bushing is supplied with a head heater and best suited for processing temperature $>500^{\circ}\text{F}$. Choose from a variety of tip and needle options for gating into a runner or directly in the part whether with filled or unfilled resin.



Features:

- For processing temperature $> 500^{\circ}\text{F}$
- 3 tips options for gating into a runner or directly in the part
- Standard and wear resistant needle options
- 7 nozzle lengths
- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-33-1-SE-075-2	3.375"	4.25"	1/2"	Sprue Nut	0.75"	0.078"	Standard
HSB-33-1-SE-075W-2	3.375"	4.25"	1/2"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-33-1-SE-075F-2	3.375"	4.25"	1/2"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-33-1-SE-100-2	3.375"	4.25"	1/2"	Sprue Nut	1"	0.078"	Standard
HSB-33-1-SE-100W-2	3.375"	4.25"	1/2"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-33-1-SE-100F-2	3.375"	4.25"	1/2"	Sprue Nut	1"	0.078"	Flow Through
HSB-33-1-EF-075-2	3.375"	4.25"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-33-1-EF-075-125-2	3.375"	4.25"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-33-1-EF-075XS-2	3.375"	4.875"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-33-1-EF-075XS-078-2	3.375"	4.875"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-33-1-EF-100-2	3.375"	4.25"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-33-1-EF-100-125-2	3.375"	4.25"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-33-1-EF-100XS-2	3.375"	4.875"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-33-1-EF-100XS-078-2	3.375"	4.875"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-33-2-SE-075-2	3.375"	4.25"	3/4"	Sprue Nut	0.75"	0.078"	Standard
HSB-33-2-SE-075W-2	3.375"	4.25"	3/4"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-33-2-SE-075F-2	3.375"	4.25"	3/4"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-33-2-SE-100-2	3.375"	4.25"	3/4"	Sprue Nut	1"	0.078"	Standard
HSB-33-2-SE-100W-2	3.375"	4.25"	3/4"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-33-2-SE-100F-2	3.375"	4.25"	3/4"	Sprue Nut	1"	0.078"	Flow Through
HSB-33-2-EF-075-2	3.375"	4.25"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-33-2-EF-075-125-2	3.375"	4.25"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-33-2-EF-075XS-2	3.375"	4.875"	3/4"	Sprue Nut	0.75"	0.125"	N/A

High Performance Hot Sprue Bushing Assemblies

PCS High Performance Hot Sprue Bushings are designed to replace a conventional cold sprue bushing to assist in reducing scrap, increase cycle time and improve part quality. The high performance hot sprue bushing is supplied with a head heater and best suited for processing temperature $>500^{\circ}\text{F}$. Choose from a variety of tip and needle options for gating into a runner or directly in the part whether with filled or unfilled resin.



Features:

- For processing temperature $> 500^{\circ}\text{F}$
- 3 tips options for gating into a runner or directly in the part
- Standard and wear resistant needle options
- 7 nozzle lengths
- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-33-2-EF-075XS-078-2	3.375"	4.875"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-33-2-EF-100-2	3.375"	4.25"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-33-2-EF-100-125-2	3.375"	4.25"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-33-2-EF-100XS-2	3.375"	4.875"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-33-2-EF-100XS-078-2	3.375"	4.875"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-38-1-SE-075-2	3.875"	4.75"	1/2"	Sprue Nut	0.75"	0.078"	Standard
HSB-38-1-SE-075W-2	3.875"	4.75"	1/2"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-38-1-SE-075F-2	3.875"	4.75"	1/2"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-38-1-SE-100-2	3.875"	4.75"	1/2"	Sprue Nut	1"	0.078"	Standard
HSB-38-1-SE-100W-2	3.875"	4.75"	1/2"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-38-1-SE-100F-2	3.875"	4.75"	1/2"	Sprue Nut	1"	0.078"	Flow Through
HSB-38-1-EF-075-2	3.875"	4.75"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-38-1-EF-075-125-2	3.875"	4.75"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-38-1-EF-075XS-2	3.875"	5.375"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-38-1-EF-075XS-078-2	3.875"	5.375"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-38-1-EF-100-2	3.875"	4.75"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-38-1-EF-100-125-2	3.875"	4.75"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-38-1-EF-100XS-2	3.875"	5.375"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-38-1-EF-100XS-078-2	3.875"	5.375"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-38-2-SE-075-2	3.875"	4.75"	3/4"	Sprue Nut	0.75"	0.078"	Standard
HSB-38-2-SE-075W-2	3.875"	4.75"	3/4"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-38-2-SE-075F-2	3.875"	4.75"	3/4"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-38-2-SE-100-2	3.875"	4.75"	3/4"	Sprue Nut	1"	0.078"	Standard

High Performance Hot Sprue Bushing Assemblies

PCS High Performance Hot Sprue Bushings are designed to replace a conventional cold sprue bushing to assist in reducing scrap, increase cycle time and improve part quality. The high performance hot sprue bushing is supplied with a head heater and best suited for processing temperature >500°F. Choose from a variety of tip and needle options for gating into a runner or directly in the part whether with filled or unfilled resin.



Features:

- For processing temperature > 500°F
- 3 tips options for gating into a runner or directly in the part
- Standard and wear resistant needle options
- 7 nozzle lengths
- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-38-2-SE-100W-2	3.875"	4.75"	3/4"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-38-2-SE-100F-2	3.875"	4.75"	3/4"	Sprue Nut	1"	0.078"	Flow Through
HSB-38-2-EF-075-2	3.875"	4.75"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-38-2-EF-075-125-2	3.875"	4.75"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-38-2-EF-075XS-2	3.875"	5.375"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-38-2-EF-075XS-078-2	3.875"	5.375"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-38-2-EF-100-2	3.875"	4.75"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-38-2-EF-100-125-2	3.875"	4.75"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-38-2-EF-100XS-2	3.875"	5.375"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-38-2-EF-100XS-078-2	3.875"	5.375"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-43-1-SE-075-2	4.375"	5.25"	1/2"	Sprue Nut	0.75"	0.078"	Standard
HSB-43-1-SE-075W-2	4.375"	5.25"	1/2"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-43-1-SE-075F-2	4.375"	5.25"	1/2"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-43-1-SE-100-2	4.375"	5.25"	1/2"	Sprue Nut	1"	0.078"	Standard
HSB-43-1-SE-100W-2	4.375"	5.25"	1/2"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-43-1-SE-100F-2	4.375"	5.25"	1/2"	Sprue Nut	1"	0.078"	Flow Through
HSB-43-1-EF-075-2	4.375"	5.25"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-43-1-EF-075-125-2	4.375"	5.25"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-43-1-EF-075XS-2	4.375"	5.875"	1/2"	Sprue Nut	0.75"	0.125"	N/A
HSB-43-1-EF-075XS-078-2	4.375"	5.875"	1/2"	Sprue Nut	0.75"	0.078"	N/A
HSB-43-1-EF-100-2	4.375"	5.25"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-43-1-EF-100-125-2	4.375"	5.25"	1/2"	Sprue Nut	1"	0.125"	N/A
HSB-43-1-EF-100XS-2	4.375"	5.25"	1/2"	Sprue Nut	1"	0.125"	N/A

High Performance Hot Sprue Bushing Assemblies

PCS High Performance Hot Sprue Bushings are designed to replace a conventional cold sprue bushing to assist in reducing scrap, increase cycle time and improve part quality. The high performance hot sprue bushing is supplied with a head heater and best suited for processing temperature >500°F. Choose from a variety of tip and needle options for gating into a runner or directly in the part whether with filled or unfilled resin.



Features:

- For processing temperature > 500°F
- 3 tips options for gating into a runner or directly in the part
- Standard and wear resistant needle options
- 7 nozzle lengths
- 240v heaters with integral J-type thermocouples
- Spare J-type body thermocouple included
- 1/2" or 3/4" radius
- Standard 2.000" head diameter
- Nozzle body flow diameter - .280"

Item Number	L Dim.	OAL	Rad.	Tip Style	Tip Dia.	Orifice	Needle
HSB-43-1-EF-100XS-078-2	4.375"	5.25"	1/2"	Sprue Nut	1"	0.078"	N/A
HSB-43-2-SE-075-2	4.375"	5.25"	3/4"	Sprue Nut	0.75"	0.078"	Standard
HSB-43-2-SE-075W-2	4.375"	5.25"	3/4"	Sprue Nut	0.75"	0.078"	Wear Resistant
HSB-43-2-SE-075F-2	4.375"	5.25"	3/4"	Sprue Nut	0.75"	0.078"	Flow Through
HSB-43-2-SE-100-2	4.375"	5.25"	3/4"	Sprue Nut	1"	0.078"	Standard
HSB-43-2-SE-100W-2	4.375"	5.25"	3/4"	Sprue Nut	1"	0.078"	Wear Resistant
HSB-43-2-SE-100F-2	4.375"	5.25"	3/4"	Sprue Nut	1"	0.078"	Flow Through
HSB-43-2-EF-075-2	4.375"	5.25"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-43-2-EF-075-125-2	4.375"	5.25"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-43-2-EF-075XS-2	4.375"	5.875"	3/4"	Sprue Nut	0.75"	0.125"	N/A
HSB-43-2-EF-075XS-078-2	4.375"	5.875"	3/4"	Sprue Nut	0.75"	0.078"	N/A
HSB-43-2-EF-100-2	4.375"	5.25"	3/4"	Sprue Nut	1"	0.078"	N/A
HSB-43-2-EF-100-125-2	4.375"	5.25"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-43-2-EF-100XS-2	4.375"	5.875"	3/4"	Sprue Nut	1"	0.125"	N/A
HSB-43-2-EF-100XS-078-2	4.375"	5.875"	3/4"	Sprue Nut	1"	0.078"	N/A

Hot Sprue Bushing Tips / Nuts

PCS Company's Standard Hot Sprue Bushing Tips and Nuts are offered in Open Nut, Sprue Gate and Bush/Ring Gate styles. The open nut and bush/ring gate tips accept either standard or wear resistant needles for better process control and part cosmetics.

Features:

- 3 tip styles to choose from
- Both .750" and 1.000" diameters for sprue and bush/ring gate tips
- Extra stock option for sprue and bush/ring gate tips
- Titanium ring available for the open nut tip to better control tip temperature



Item Number	Material	Type Style	Dia.	Extra Stock	Orifice	Taper
EF-075	H13	Sprue	.750"	N/A	.079"	5°
EF-075-125	H13	Sprue	.750"	N/A	.125"	5°
EF-075XS	H13	Sprue	.750"	.625"	.125"	5°
EF-075XS-078	H13	Sprue	.750"	.625"	.078"	5°
EF-100	H13	Sprue	1.000"	N/A	.079"	5°
EF-100-125	H13	Sprue	1.000"	N/A	.125"	5°
EF-100XS	H13	Sprue	1.000"	.625"	.125"	5°
EF-100XS-078	H13	Sprue	1.000"	.625"	.078"	5°
HSB-ON	H13	Open Nut	N/A	N/A	N/A	N/A
SE-075	H13	Sprue	.750"	N/A	.078"	3°
SE-100	H13	Sprue	1.000"	N/A	.078"	3°
SN-075	H13	Bush/Ring Gate	.750"	N/A	.059"	3°
SN-075XS	H13	Bush/Ring Gate	.750"	.500"	.059"	3°
SN-100	H13	Bush/Ring Gate	1.000"	N/A	.059"	3°
SN-100XS	H13	Bush/Ring Gate	1.000"	.500"	.059"	3°
HS-TI	Titanium	N/A	N/A	N/A	N/A	N/A

Hot Sprue Bushing Needles

PCS Company's Hot Sprue Bushing Needles are offered in standard or wear resistant materials. These needles are compatible with PCS Hot Sprue Bushing Nuts/Tips such as open nut and bush/ring gate. Choose from point tip or flow through tip options.

Features:

- Standard and wear resistant materials
- Point tip and flow through options
- Compatible with PCS open nut or bush/ring gate tips



Item Number	Type	Compatible Tip/Nut	No. of Holes
FTE-10	Standard Flow Through	SE	1
FTN-10	Standard Flow Through	SN / ON	1
TE-10	Standard Point	SE	3
TN-10	Standard Point	SN / ON	3
WTE-10	Wear Resistant Point	SE	1
WTN-10	Wear Resistant Point	SN / ON	1
WTN-10-3	Wear Resistant Point	SN / ON	3

Hot Sprue Bushing Head and Body Heaters

PCS Company's Hot Sprue Bushing Heaters are direct replacements for both head and body heaters. The standard HSH body heater along with the HH-100 head heater is supplied with an internal J type thermocouple. Optional HSHP heaters are designed for specialty applications such as metal injection molding (MIM).

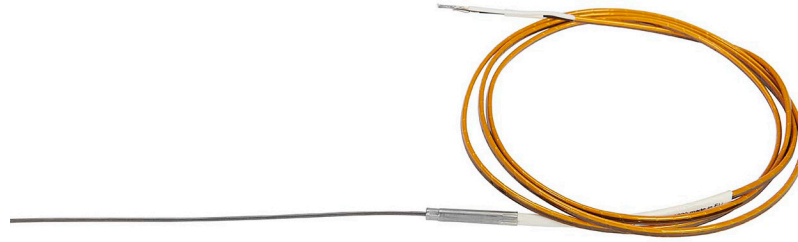


Features:

- All heaters are 240v
- HH & HSH heaters built with internal J type thermocouple
- HSHP heaters are for high performance applications such as MIM molding

Item Number	Heater Type	Voltage	Wattage	TC Type	Length
HH-100	Head	240	250	J	N/A
HSH-13	Body	240	225	J	1.375"
HSH-18	Body	240	250	J	1.875"
HSH-23	Body	240	300	J	2.375"
HSH-28	Body	240	350	J	2.875"
HSH-33	Body	240	400	J	3.375"
HSH-38	Body	240	450	J	3.875"
HSH-43	Body	240	450	J	4.375"
HSHP-13	Body	240	160	J	1.375"
HSHP-18	Body	240	229	J	1.875"
HSHP-23	Body	240	239	J	2.375"
HSHP-28	Body	240	248	J	2.875"

Hot Sprue Bushing Thermocouple



PCS Company's Hot Sprue Bushing Thermocouples are all J-type. They are 1mm in diameter and come in lengths to fit PCS Hot Sprue Bushings. These thermocouples are designed to be a backup to the integral thermocouple found in the body heaters. Simply change the positive and negative leads to be able to continue operating in closed loop.

Features:

- J-Type Thermocouple
- 36" leads
- Designed for PCS Hot Sprue Bushings

Item Number	Type	Diameter (in/mm)	Length (in)	Lead Length
HST-13	J	0.039" / 1 mm	1.375	36"
HST-18-23	J	0.039" / 1 mm	2.375	36"
HST-28-33	J	0.039" / 1 mm	3.375	36"
HST-38	J	0.039" / 1 mm	3.875	36"
HST-43	J	0.039" / 1 mm	4.375	36"

Hot Sprue Bushing Accessories

PCS Company's Hot Sprue Bushing Accessories include items such as locating ring, stripper plate bushing, snap ring and heater covers.



Features:

- Direct replacement for standard items
- Stripper plate bushings maintain tip temperature plus alignment and protection of the tip
- Standard 3.990" diameter locating ring
- Heater covers provide protection during installation and processing

Item Number	Description	Length	Diameter	Material
HSL101	Locating Ring	.968"	3.990"	Tool Steel
HS-100	Snap Ring	N/A	N/A	Spring Steel
HSPB-13	Stripper Plate Bushing	1.375"	N/A	Tool Steel
HSPB-18	Stripper Plate Bushing	1.875"	N/A	Tool Steel
HR-100	Head Heater Cover	N/A	N/A	Aluminum
HSR-13	Body Heater Cover	1.375"	.984"	Aluminum
HSR-18	Body Heater Cover	1.875"	.984"	Aluminum
HSR-23	Body Heater Cover	2.375"	.984"	Aluminum
HSR-28	Body Heater Cover	2.875"	.984"	Aluminum
HSR-33	Body Heater Cover	3.375"	.984"	Aluminum
HSR-38	Body Heater Cover	3.875"	.984"	Aluminum
HSR-43	Body Heater Cover	4.375"	.984"	Aluminum