

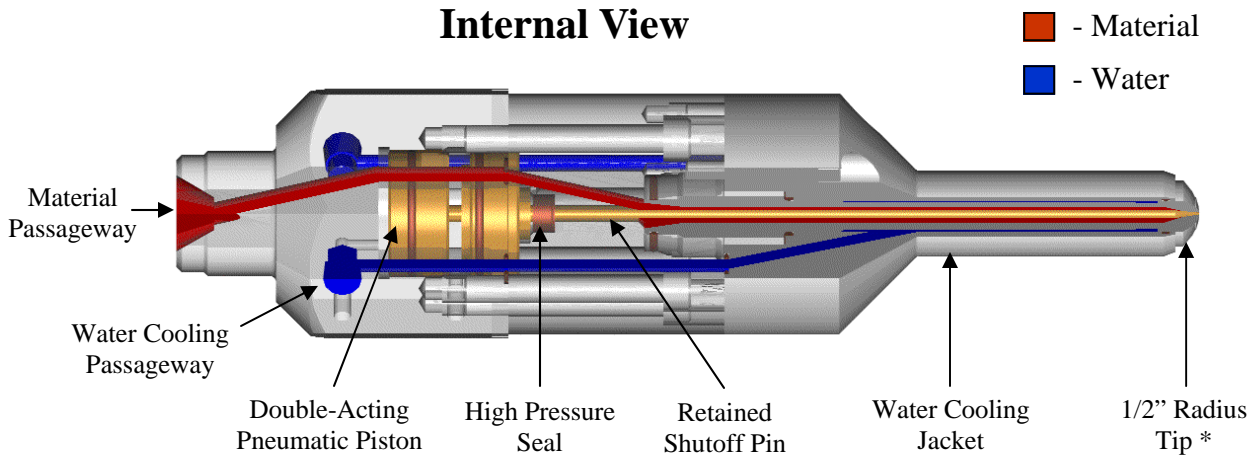
SN712, SN713, SN714 & SN715 Series Double-Acting LSR Shutoff Nozzles

This series of nozzle designs feature a sleek profile with the elimination of the external actuating lever used on previous versions. The shutoff pin is retained inside the encapsulated pneumatic piston and is actuated to start and stop the material flow. The pneumatic piston and shutoff pin are in line with the nozzle outlet which eliminates side forces and assures leak-free operation. The water-cooling ports are located at the back end of the nozzle adapter to provide exceptional clearance into the platen. The standard nozzle tip design offers quick changes between the different tip versions without having to remove the assembly from the machine. Diving tips offer a removable tip with a replaceable Teflon seal. With over 40 different nozzle adapter designs, in both Flange & Screw-In styles, these nozzles can connect to most LSR injection molding machine barrels. Custom designs in either style are also available. The four different models offer sizes used on 5 to 500 ton machines. With multiple tip styles, we can match to most sprue bushing designs and sizes. The water cooled design provides exceptional cooling while in contact with the heated mold.



Flange & Screw-In Style Nozzle Adapters
 With Diving, 1/2" Radius & Flat Tips
 Available.

Internal View



Tip Styles Include: 1/2" Radius, 10mm Radius, Flat Tip, 12mm Diving, 15mm Diving, 20mm Diving, 25mm Diving Tips & Direct Cavity Shutoff (see other side for availability). Custom tip styles can be designed at an additional cost.

Nozzle Selection Guide

Nozzle Style

- SN712 - Standard Size Nozzle
- SN713 - Small Size Nozzle
- SN714 - Large Size Nozzle
- SN715 - Extra Large Size Nozzle

Tip Style

- 1A - Standard Length 1/2" Radius Ball Nose ①,②&③
- 2A - 12mm Diving Tip ②
- 3A - Flat Tip ①,②,③&④
- 4A - Extended Length 1/2" Radius Ball Nose ①,②&④
- 6A - Shortened Length 1/2" Radius Ball Nose ①,②&④
- 8A - 15mm Diving Tip, Screw-In Tip ①&②
- 9A - 20mm Diving Tip, Screw-In Tip ①&②
- 10A - 25mm Diving Tip, Screw-In Tip ①&③
- 11A - Shortened Length 25mm Diving Tip, Screw-In Tip ①
- 12A - Shortened Length 15mm Diving Tip, Screw-In Tip ②
- 13A - Direct Cavity Shut-off Nozzle Tip ②
- 14A - Shortened Length 20mm Diving Tip, Screw-In Tip ②
- 15A - Standard Length 10mm Radius Ball Nose ②

SPC

- Special Modification
- SN713 Series **ONLY**: Shortened Nozzle Base & Nozzle Pin.

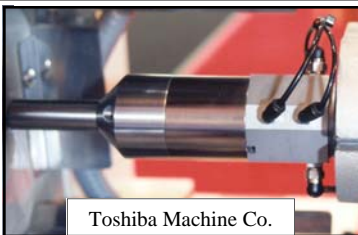
Available on ①-SN712 ②-SN713 ③-SN714 ④-SN715

Outlet Hole Diameter

- .078 - Standard Diameter Outlet (For SN712 & SN713 Series **ONLY**)
- .094 - Special Diameter Outlet (Available On All SN712 & SN713 Diving Tip Styles **ONLY**)
- .125 - Standard Diameter For Diving Tips (For SN712 Series **ONLY**)
- .147 - Special Diameter Outlet (For SN712 Series **ONLY**)
- .188 - Standard Diameter Outlet (For SN714 Series **ONLY**)
- .250 - Standard Diameter Outlet (For SN715 Series **ONLY**)

Barrel Adapter

Customer or Manufacturer FAI Job Number (May Require OEM Drawings)



Toshiba Machine Co.

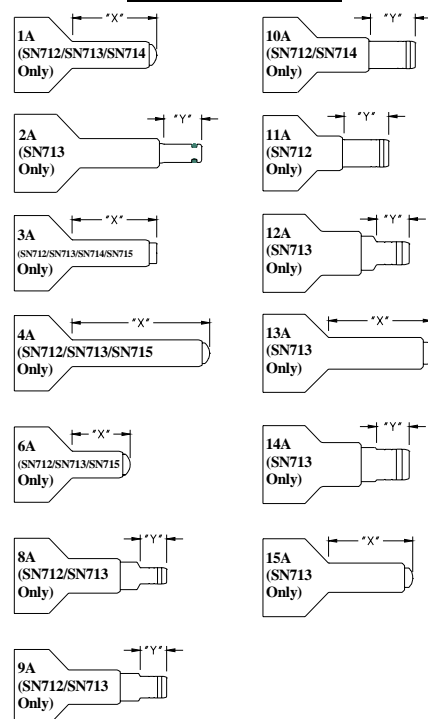
Special nozzle adapters and nozzle tips can be designed to fit most injection molding machines. FAI nozzles can be installed by the molding machine manufacturer. Standard adapters are available for Toshiba, Engel, Arburg, Boy Machines, Nissei, Milacron, Demag, Desma, REP, Sumitomo as well as Spirex and Westland barrel manufacturers.



Engel Canada

"X" Dimensions	"Y" Dimensions
SN712 Nozzle Tips 1A - 3.198 Inches 3A - 3.198 Inches 4A - 5.198 Inches 6A - 2.198 Inches 8A - 3.700 Inches 9A - 3.700 Inches 10A - 3.700 Inches 11A - 2.700 Inches	SN712 Nozzle Tips - - - - 8A - 0.996 Inches 9A - 0.996 Inches 10A - 1.688 Inches 11A - 1.688 Inches
SN713 Nozzle Tips 1A - 2.250 Inches 2A - 3.250 Inches 3A - 2.250 Inches 4A - 3.250 Inches 6A - 1.250 Inches 8A - 3.347 Inches 9A - 3.350 Inches 12A - 2.347 Inches 13A - 2.750 Inches 14A - 2.347 Inches 15A - 2.250 Inches	SN713 Nozzle Tips - 2A - 1.010 Inches - - - 8A - .875 Inches 9A - .875 Inches 12A - .875 Inches - 14A - .875 Inches -
SN714 Nozzle Tips 1A - 3.200 Inches 3A - 3.200 Inches 10A - 3.575 Inches	SN714 Nozzle Tips - - 10A - 1.625 Inches
SN715 Nozzle Tips 3A - 1.827 Inches 4A - 6.202 Inches 6A - 1.827 Inches	SN715 Nozzle Tips - - -

Tip Dimensions



Custom nozzle tips can be designed for an additional cost.