

Choice Waterjet Parts offers a full range of Abrasive Waterjet Cutting Nozzles that balance your need for price, performance, and component life. The right nozzle selection results in reduced consumable cost, higher machine uptime and improved finish quality on your parts coming off your waterjet. Starting with a Standard Life nozzle, Choice moves up through the value stream to an Ultra and Premium Life product, each with increasing performance and nozzle life. All Flow Equivalent Nozzles, sometimes called Focusing Tubes, are available with the Brass Locator Ring and Gasket for use Flow's Paser ECL and Paser 4 Cutting Heads. All Flow Equivalent Nozzles are available with an optional Nozzle Splash Guard. And remember, ***if you can't find the parts you are looking for...we will!***

Selecting your Choice Waterjet Parts, Flow Equivalent Waterjet Nozzle

Choice offers a full range of Nozzles that meet or exceed your nozzle life expectations. To select your Flow OEM Equivalent Nozzle/Focusing Tube:

1. **Choose your Performance Standard:** Consider your application and performance requirement and choose your nozzle type (Standard Life, Ultra Life, Premium Life).
2. **Choose your Nozzle Style:** No Brass Locator Ring or with Brass Locator Ring and Gasket (ECL).
3. **Choose your nozzle I.D.:** After you have selected the appropriate nozzle performance required, choose the inside diameter (I.D.) you require relative to the orifice size and type you are using. Smaller I.D.'s provide greater precision, reduced taper on your cuts and a higher cut finish quality. A larger I.D. allows for greater water and abrasive flow and provides for a faster cut. A general rule of thumb is to start with a nozzle I.D. that is three times larger than the orifice being used.
4. **Choose your Nozzle Length:** The 4" nozzle has become the industry standard due to the accuracy and extended life realized over shorter nozzles lengths. The clearance distance between the cutting head and material being cut may dictate optimum nozzle length.



Standard Life Nozzle & Standard Life Nozzle with Brass Locator Ring



Ultra Life Nozzle and Ultra Life Nozzle with Brass Locator Ring



Premium Life Nozzle & Premium Life Nozzle with Brass Locator Ring



Standard Life Nozzle & Standard Life Nozzle with Brass Locator Ring



This carbide nozzle is considered a cost-optimized, yet quality entry level tool. This is the preferred tool for price sensitive shops that use their cutting equipment infrequently or for low volume test cuts. Most production operations will move to an Extended Life or Premium Life tool as the need for accuracy and nozzle cutting life increases. The Standard Life Nozzle can be ordered with a Brass Locator



Ring (ECL) and gasket for ECL and Paser 4 Cutting Heads.

Flow Equivalent Nozzles, Standard Life – Preferred tool for price sensitive shops using their cutting equipment infrequently

			Price Breaks		
Choice PN	Flow OEM Numbers	Description: I.D. x Length x O.D.	Qty 1 - 5	Qty 6 - 11	Qty 12 - 23
060550001	012680-20-30 / 1000008-20-3	Nozzle, Standard Life, .020 x 3" x .281	\$75.00	\$73.50	\$72.25
060550002	012680-30-30 / 014214-30-30 / 1000008-30-3	Nozzle, Standard Life, .030 x 3" x .281			
060550003	012680-35-30 / 1000008-35-3	Nozzle, Standard Life, .035 x 3" x .281			
060550004	012680-40-30 / 1000008-40-3	Nozzle, Standard Life, .040 x 3" x .281			
060550005	012680-50-30 / 014214-50-30 / 1000008-50-3	Nozzle, Standard Life, .050 x 3" x .281			
060550055	012680-55-30 / 014214-55-30	Nozzle, Standard Life, .055 x 3" x .281	\$85.00	\$82.50	\$80.00
0605500034ML	012680-30-40 / 1000008-30-4	Nozzle, Standard Life, .030 x 4" x .281			
060550035XL	012680-35-40 / 1000008-35-4	Nozzle, Standard Life, .035 x 4" x .281			
0605500044ML	012680-40-40/1000008-40-4	Nozzle, Standard Life, .040 x 4" x .281			
060550005XL	012680-50-40 / 014214-50-40	Nozzle, Standard Life, .050 x 4" x .281			
060550002ECL	014214-30-30	Nozzle, Standard Life, ECL, .030 x 3" x .281	\$75.00	\$73.50	\$72.25
060550035ECL	014214-35-30	Nozzle, Standard Life, ECL, .035 x 3" x .281			
060550004ECL	014214-40-30	Nozzle, Standard Life, ECL, .040 x 3" x .281			
060550002ECLXL	014214-30-40	Nozzle, Standard Life, ECL, .030 x 4" x .281	\$85.00	\$82.50	\$80.00
060550035ECLXL	014214-35-40	Nozzle, Standard Life, ECL, .035 x 4" x .281			
060550004ECLXL	014214-40-40	Nozzle, Standard Life, ECL, .040 x 4" x .281			
060550005ECLXL	014214-50-40	Nozzle, Standard Life, ECL, .050 x 4" x .281			

Ultra Life Nozzle and Ultra Life Nozzle with Brass Locator Ring



The Ultra Life Nozzle combines a higher precision manufacturing process with a special anodized coating. These nozzles are considered the ideal balance between price and performance. While the actual life of a nozzle is dependent upon many variables such as abrasive type, feed rates, on/off cycle rate, etc., Ultra Life Nozzles offer an extended life of up to 20% over Standard life Nozzles. This is the preferred tool for shops that

run high production looking for the best value. The Ultra Life Nozzle can be ordered with a Brass Locator Ring (ECL) and gasket for ECL and Paser 4 Cutting Heads.



Flow Equivalent Nozzles, Ultra Life – The ideal balance between price and performance

			Price
Choice PN	Flow OEM Numbers	Description: I.D. x Length x O.D.	(Call for Quantity Discounts)
060550020LL	010460-20-30	Nozzle, Ultra Life, .020 x 3" x .281	\$119.00
060550030LL	014194-30-30 / 014060-30-30 / 1000013-30-3	Nozzle, Ultra Life, .030 x 3" x .281	
060550040LL	010460-40-30	Nozzle, Ultra Life, .040 x 3" x .281	
060550030LLXL	014060-30-40	Nozzle, Ultra Life, .030 x 4" x .281	
060550040LLXL	010460-40-40 / 1000013-40-3	Nozzle, Ultra Life, .040 x 4" x .281	
060550020ECLLL	014194-20-30	Nozzle, Ultra Life, ECL, .020 x 3" x .281	\$124.00
060550030ECLLL	014194-30-30	Nozzle, Ultra Life, ECL, .030 x 3" x .281	
060550040ECLLL	014194-40-30	Nozzle, Ultra Life, ECL, .040 x 3" x .281	
060550030ECLLLXL	014194-30-40	Nozzle, Ultra Life, ECL, .030 x 4" x .281	
060550040ECLLLXL	014194-40-40	Nozzle, Ultra Life, ECL, .040 x 4" x .281	

Premium Life Nozzle & Premium Life Nozzle with Brass Locator Ring



Premium Life Nozzles provide the highest cut accuracy and quality over the life of the nozzle. After the optimized grade nozzle is formed, all surfaces are ground to a high finish level. While the actual life of a nozzle is dependent upon many variables such as abrasive type, feed rates, on/off cycle rate, etc., the Premium Life Nozzles offers an additional life extension of up to 30%. The Premium Life Nozzle can be ordered with a Brass Locator Ring (ECL) and



gasket for ECL and Paser 4 Cutting Heads.

Flow Equivalent Nozzles, Premium Life – Used by high performance shops that demand accuracy and extended life

			<i>Price</i>
<i>Choice PN</i>	<i>Flow OEM Numbers</i>	<i>Description: I.D. x Length x O.D.</i>	<i>(Call for Quantity Discounts)</i>
060550035PLXL	010460-35-40	Nozzle, Premium Life, .035 x 4" x .281	\$119.00
060550040PLXL	010460-40-40 / 1000013-40-4	Nozzle, Premium Life, .040 x 4" x .281	
060550035ECLPLXL	014194-35-40	Nozzle, Premium Life, ECL, .035 x 4" x .281	\$124.00
060550040ECLPLXL	014194-40-40	Nozzle, Premium Life, ECL, .040 x 4" x .281	

Blast Disc/Nozzle Splash Guard



Reduce splash back on initial cut with a Blast Disc / Nozzle Splash Guard. The guard can be used with any Flow Nozzle.

Blast Disc / Nozzle Splash Guard

			<i>Price</i>
<i>Choice PN</i>	<i>Flow OEM Numbers</i>	<i>Description: I.D. x Length x O.D.</i>	<i>(Call for Quantity Discounts)</i>
060450058	711933-1	Blast Disc / Nozzle Splash Guard	\$5.50