

Badger Nozzle/Tip Size Chart

Badger Airbrush Tip/Nozzle Sizes and Factory Fitting Sizes	Standard Factory Fitted	Optionally Available	Not Available
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Legend Series (Screw-in Tip)	F (0.26mm)	M (0.53mm)	L/H* (0.77mm)
100 (Gravity Feed)			
150 (Syphon Feed)			
200 (screw-in Tip/Syphon Feed – old Model)			
200 Gravity Feed			
200-20 Detail (Syphon Feed)			
Needle Markings	1 Notch/Ring	2 Notches/Rings	3 Notches/Rings

Pro Production Series (Drop-in Tip)	Super Detail (0.3mm)	Detail (F - 0.52mm)	General Purpose (M – 0.77mm)	Only Modell 175 L/H* – 1.0mm
105 Patriot/105-2XR Patriot Arrow				
105 Extreme Serie				
105-XTR, 108-XSW/Sidewinder, 105-XTPA/Extreme Patriot				
155 Anthem, 3155				
175 Crescendo				
200 NH (New Head 200 Drop-in Tip)				
360 Universal				
Needle Markings	Plastic Knob, Black	Plastic Knob, Blue or 1 Notch/Ring	Plastic Knob, Silver or 2 Notches/Rings	3 Notches/Rings

Renegade Serie (Drop-in Tip)	Ultra Fein (0.21mm)	Fein (0.33mm)
R1V, R2S, R4VJ, RK-1, RK2-VJ		
R3R		
Needle Markings	1 Notch/Ring	2 Notches/Rings

Sotar (Drop-in Tip)	F (0.21mm)	M (0.33mm)	L/H* (0.53mm)
2020-1F, 2020-2F, 2020-SF, 2020-VM			
2020-1M, 2020-2M			
2020-1H, 2020-2H			
Needle Markings	Plastic Knob, Black	Plastic Knob, White	Plastic Knob, Transparent

Thayer & Chandler (Vega/Omni)	No. 1 (F – 0.52mm)	No. 3 (M – 0.77mm)	No. 5 (L/H* – 1.0mm)
Vega			
Omni			
Needle Markings	1 Notch/Ring	2 Notches/Rings	3 Notches/Rings

Important Notes:

* At the end of the 1990s Badger decided to re-name the L (large) setup to H (heavy). So L and H both refer to the same size (big). In English that may make somewhat sense, unfortunately it makes no sense in other languages.

To make the confusion even more perfect, Badger decided around 2010 to name the original models (100/150) Legend Series and to name the newer Models (105/155/175/360) Pro Production Series as "product group names". The other series (Renegade, Sotar, Thayer&Chandler, 250/350) did not get labeled with a product group name. At the same time the sizes of the Pro-Production Series were re-named from F, M, H/L to Super Detail, Detail, and General Purpose. See table above (however, not for the 175 Crescendo, there the size labels of F, M, H remain in use! Perfect confusion!). Example: the part 41-003 is the fine tip (F) for the Model 175 and with the same part number it is the Detail Tip for the 105 series.

All parts are available individually (tips, needles, spray regulators, screws, springs, etc.), some sub-assemblies are also available (e.g. complete valve, complete head). See price list for order numbers for each model series.

For an airbrush to work correctly the following parts must be size-matched: tip, needle, spray regulator (do NOT mix a for example Medium tip with a Fine Spray regulator and a Medium Needle). All three parts MUST be the same size type. Either all parts fine, all parts medium, or all parts large.

When changing an airbrush to another size (e.g. from Fine to Medium), the following three parts MUST be changed: tip, needle, spray regulator! (all three parts must be size-matched)

For most airbrushes Badger offers complete conversion sets from one size to another. These sets contain the tip, needle, spray regulator for one particular size for one particular airbrush. See price list for order numbers for each model series.