


Choosing the Right Spray Tips for Your Spray Gun

Choosing the right tip can make an enormous difference to the finish quality, completion time, and cost effectiveness of any spraying project.

 Difficulté Très facile

 Durée 1 heure(s)

 Catégories Machines & Outils

 Coût 0.00 USD (\$)

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Introduction

Choosing the right tip can make an enormous difference to the finish quality, completion time, and cost effectiveness of any spraying project. A good tip is a real investment and will pay for itself very quickly.

Simply follow our 3 step process to select the right spray tip for your next paint job.

- **STEP 1** – Find you paint or stain thickness to work out your tip size
- **STEP 2** – Match the tip size to the fan width to work out correct tip size
- **STEP 3** – Confirm your selected tip is supported by your sprayer equipment



Matériaux

paint

Outils

spray paint tips

Étape 1 - Find you paint or stain thickness to work out your tip size

Thin Materials	
Material Type	Tip Size
Clear Coat Lacquer	009 – 011
Varnish, below low VOC	009 – 011
Shellac	009 – 013
Transparent Stain	009 – 013
Water Sealers	009 – 013

Medium Materials	
Material Type	Tip Size
Water borne Lacquer	012 – 014
Clear Acrylics	012 – 014
100% Acrylic for Interior, Latex	013 – 015
Oil-based Enamels	013 – 015
Polyurethane	013 – 015
Solid Stain	013 – 015
Low VOC varnish	013 – 015
Interior Latex	015 – 017
Primer Latex	015 – 017
Exterior Latex	017 – 019
Primer Oils	017 – 019

Thick Materials	
Material Type	Tip Size
Elastomerics	025 – 039
Block Fillers	025 – 039
Intumescent	017 – 039

Étape 2 - Match the tip size to the fan width to work out correct tip size

Secondly, you'll want to work out the **fan width** that's required to work out your spray tip.

Pro Tip

- Number calculation, it's the first digit is half the fan width (5 x 2 = 10 inch fan width)
- It's the last two digits that are the size of the tip opening in thousandths of an inch.

Spray Tip Fan Width Chart

TIP SIZE	FAN WIDTH (in inches)				
	4 INCH	6 INCH	8 INCH	10 INCH	12 INCH
.011	211	311	411		
.013		313	413		
.015			415	515	
.017				517	
.019					619
.021				521	621

Étape 3 - Confirm your selected tip is supported by your sprayer equipment

Finally, you'll want to confirm it the selected spray tip size is supported by your sprayer equipment.

Tip sizes - what the numbers mean.

The first 3 digits specify the series of tip.

200 = T93R Contractor
 201 = T93R Ultra-Finish
 203 = T93R Hi-Production
 205 = T93F Flat
 206 = T93F Ultra-Finish
 207 = T93R MAXX
 209 = T93F Hi-Volume

200 - 515

The last two digits specify the flow of fluid through the tip - this is the orifice. This opening controls the amount of fluid that flows through the tip. The pressure you are spraying at also has an affect on flow - more pressure equals more flow.

↑

Double this number to determine the fan width when spraying 12' (30cm) from the surface. Depending on pressure and material actual width may vary by up to 2' (5cm).

Étape 4 - Let's look at an example

A 515 tip compared with a 523 tip. Both tips will spray a pattern 10 inches wide but the 523 tip will produce a thicker coating provided you use the same sprayer pressure and hand speed.

On the other hand, keeping the orifice size the same and increasing the fan width allows you to spread the same amount of material over a wider area.

When it comes to choosing tips, you should start by checking the coating manufacturer's instructions; they have researched optimum tip sizes for the viscosity of their particular products.

Having said that, the range of tip sizes available allows you almost infinite control of your spraying finish and quality.

