



CIS Showroom

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- Graco's RAC X LP Switchtips
- Titan's TR2 Reversible and Line Striping Tips

Just The Tip Of The Iceberg

How To Choose The Right Spray Tip For The Job

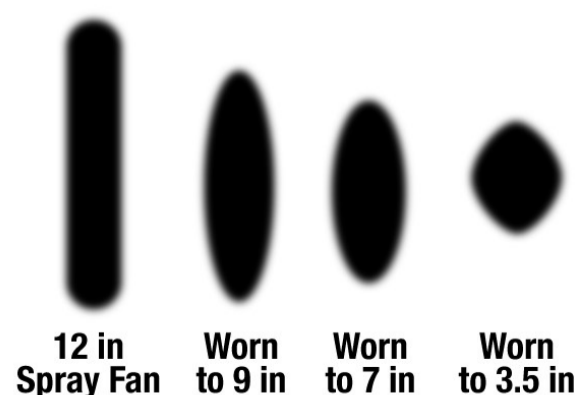
Looking at a wall of spray tips can be pretty intimidating, not to mention time consuming. With so many choices, knowing what you are looking for to efficiently and affectively finish the job is key.

Time For A Change

Tips, like brakes on a car, wear down with regular use. Tips should last anywhere from 15-135 gallons when spraying latex. They may last longer with oils and stains and may last up to a few hundred gallons if spraying a thin water like material with no grit.

So, at what point do you need to change out your tip? Some more experienced painters might notice a "hissing" sound or more material coming out of the gun than before. But you don't need to guess. just replace the spray tip after a predetermined amount of material has been used (150-200 litres, 40 to 50 gallons), or when you notice a change in spray pattern.

When tips are new, the spray fan starts out in a cigar-shaped pattern. As time goes on, the edges become shorter, and more circular:





Over The Rainbow

So, why all the different colors? Manufacturers use colors to differentiate between typical applications. Let's look at two major suppliers, Graco and Titan:

Graco

Yellow: Pavement striping or field marking

Green: Fine finish or low-pressure

Blue: General use

Black: General use

Grey: High-pressure, heavy-duty tips for heavy coatings and texture

Brown: Heavy duty and texture application

Titan

Red: General use

Yellow: Pavement striping or field marking

Green: High Efficiency Application, low-pressure

Purple: Fine Finishing

White: Pavement striping or field marking

Tip Manufacturer	Red	Yellow	Green	Blue	Purple	Black	White	Grey
GRACO		RAC5 Contractor Line Striping	RACX Low Pressure RACX Low Pressure Fine Finish	RACX RACX Wide		RAC5 Contractor		RAC XHD High Pressure
TITAN	TR1 Contractor Reversible TR2 Contractor Reversible SC-6+ Wide	TR2 Contractor Line Striping	TR1 Contractor HEA		SC-6+ Fine Finish		TR1 Contractor Line Striping	TR1 Contractor High Pressure

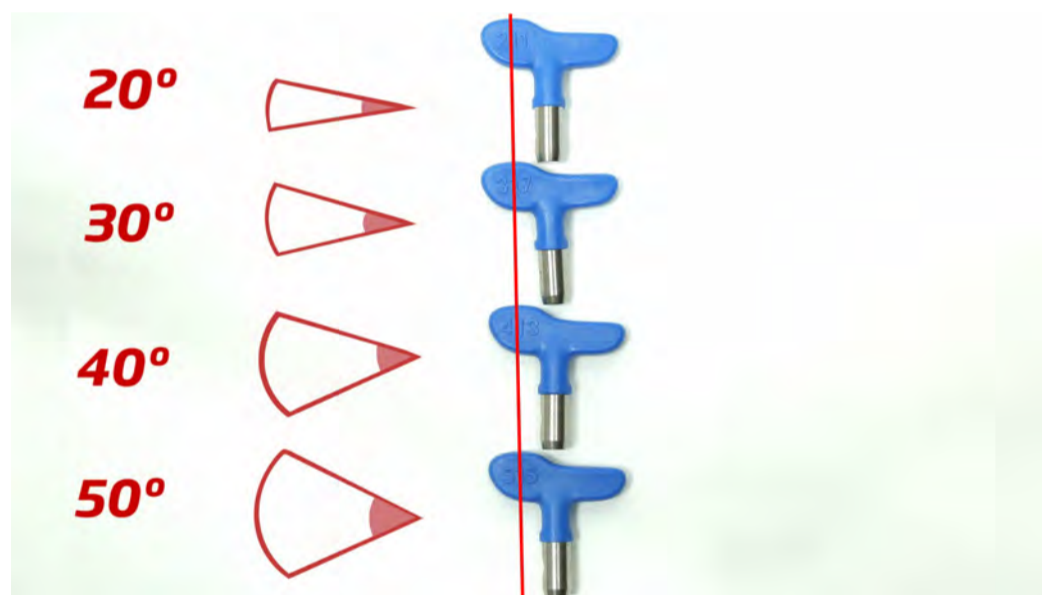


Can I get Your Number?

Now you have the general idea of the type of tip to use. Let's get more specific.

Tips are numbered with either a three- or four-digit number that will tell you both the spray angle and the size of the bore hole in thousandths of an inch. The larger the spray angle, the wider the spray. The larger the bore hole, the more material will be applied.

Let's start with finding the spray angle. For this, we use the first digit on a three -digit number, the first two on a four-digit number. Adding a "0" to the first one or two digits will give you the angle of spray:



We'll use a 515 tip as an example. The first number is a "5", so adding in a "0", the angle of spray will be 50 degrees.

If you multiply the first number by "2", this will tell you the area of the spray fan width in inches when held 12in from the sprayed surface. Using our example of a 515 tip, this means that the area covered will be $5 \times 2 = 10$ in. If utilizing the metric system, multiply the first number by "5" to get the fan width in cm when held 25cm away from the surface. In this case, the fan area is $5 \times 5 = 25$ cm.

Smaller areas or more precise spraying will warrant a smaller first digit. For areas of more coverage, a larger first number is more appropriate.



The last two numbers in the tip number indicate the size of the hole through which material is sprayed in thousandths of an inch. With our 515 tip, the hole would measure .015in. To convert to cm, multiply your answer in inches by 2.5. For a 515 tip, $2.5 \times .015 = .0375$ cm.

Materials with larger particles or higher viscosity require higher bore hole sizes. Airless sprayers will also cite a maximum spray tip size, so be sure to check your particular model's specifications.

Going Forward

Now that you have replaced your tips, here are some steps you can take to increase time between replacing them again:

- ◆ Spray at the least amount of pressure necessary to atomize material and produce a good spray fan
- ◆ Strain the material with cheesecloth or nylon strainer bags before you spray it to reduce grit.
- ◆ Use a nylon or softer bristle brush to clean your tips
- ◆ Do not use metal brushes or objects to clean tips
- ◆ Clean your filters (gun and manifold) after each use

Having your equipment in it's best possible working order will save you time and ultimately money in the long run. Be sure to replace your tips at regular intervals if you are not sure about the wearing pattern. Liken this to car brakes, where adhering to a maintenance schedule is better than waiting until you start sliding around on the road. It is recommended that tips should be switched out after 15-40 gallons if using latex , after 35-60 gallons if using oils or staining material.

Ready to buy some new tips? Check out some breakthroughs from our partners, Graco and Titan.



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From Our Partners At:



Building on the overwhelming success of the
2017 Fine Finish Low Pressure FF LP Tip,
Graco introduces:

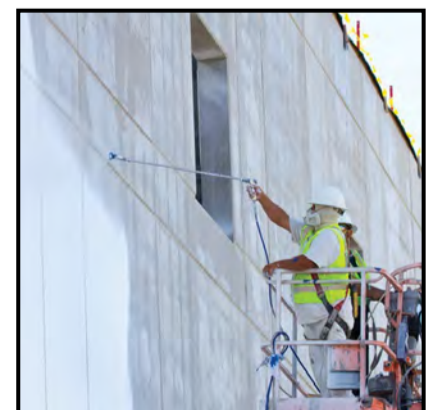
RAC X LOW PRESSURE SWITCHTIPS EXPANDED FAMILY OF LOW PRESSURE TIPS

NOW AVAILABLE IN 46 LOW PRESSURE TIP SIZES
FROM 108 TO 731

TO HANDLE THE WIDEST RANGE OF JOBS
FROM FINE FINISH TO HIGH PRODUCTION APPLICATIONS



- ◆ Sprays at up to 50% lower pressure with less overspray to provide consistent blended finish quality with complete atomization
- ◆ Soft spray fan pattern makes it easy to apply any material to any surface
- ◆ Featuring patent pending SmartTip Technology, Graco's exclusive internal tip geometry reduces the energy required to atomize your favorite paints, stains, and other materials - delivering a superior finish with less pressure
- ◆ Spraying at half pressure doubles the life of the tip
- ◆ Reduces prep and clean-up
- ◆ Works with any airless sprayer



THE RIGHT TIP MAKES ALL THE DIFFERENCE

***EXPERIENCE THE INDUSTRY'S BEST FINISH
AT LOW AIRLESS SPRAY PRESSURE***

For more information: [RAC X LOW PRESSURE SWITCHTIPS](#)

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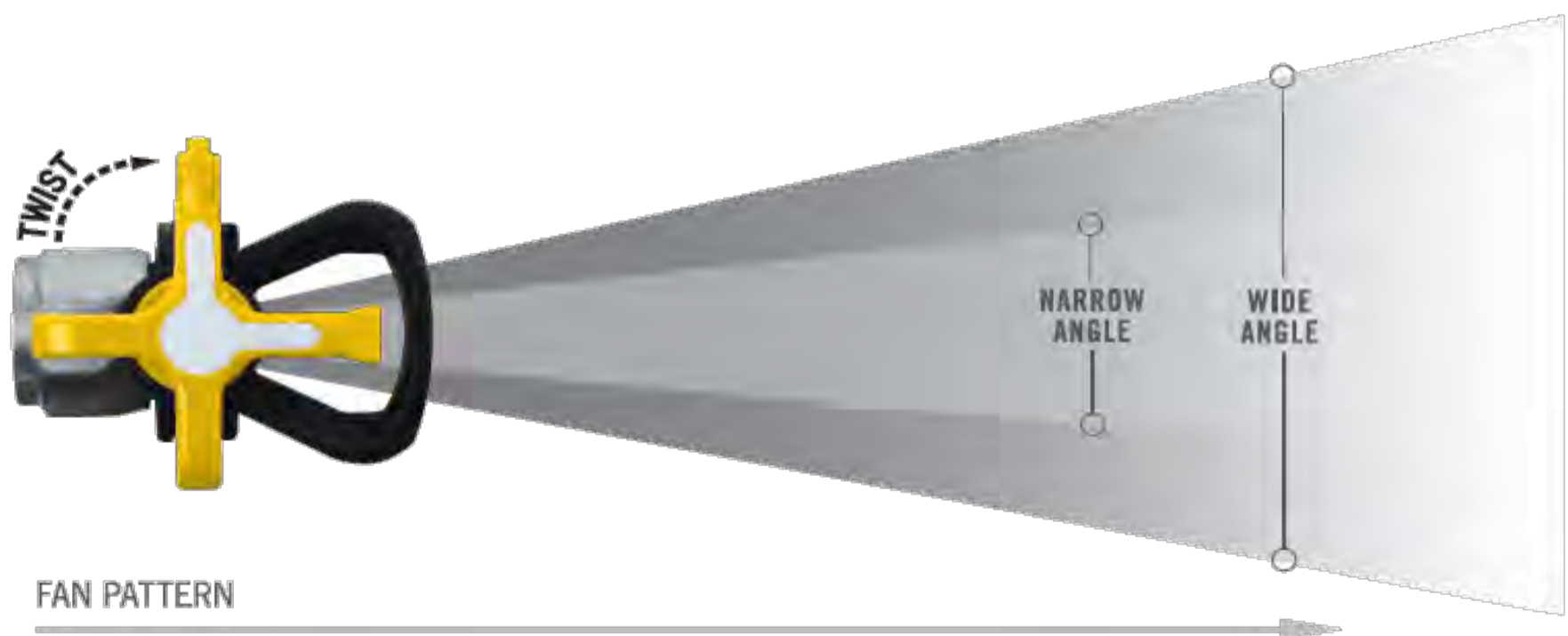
From Our Partners At:



TR² REVERSIBLE AND LINE STRIPING TIPS

ONE TIP WITH TWO FAN PATTERNS
SPEED AND CONTROL AT YOUR FINGERTIPS

- ◆ Switch to wide or narrow fan pattern with a twist
- ◆ Consistent film thickness when using wide or narrow fan pattern
- ◆ Great working flexibility on the job
- ◆ Available in a variety of sizes to suit your needs
- ◆ Maximum Working Pressure: 5000 PSI (34.5 MPa)



THE MOST VERSATILE SPRAY TIP ON THE MARKET TODAY
THE TITAN NAME YOU CAN TRUST



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COMPANY OVERVIEW

Coast Industrial Systems, Inc. is the #1 supplier of painting and coating application equipment to the marine and manufacturing industries, and is proud to serve both San Diego and Mexico since 1986.

Coast Industrial Systems, Inc. has always placed the customer first, and strives for business excellence in all ways. Our friendly sales and customer service staff are knowledgeable, experienced and qualified to help meet your painting and coating application requirements, and to exceed your expectations.

**Graco Top 20 High-Protective Coatings & Foam Distributor
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