







# TIPS

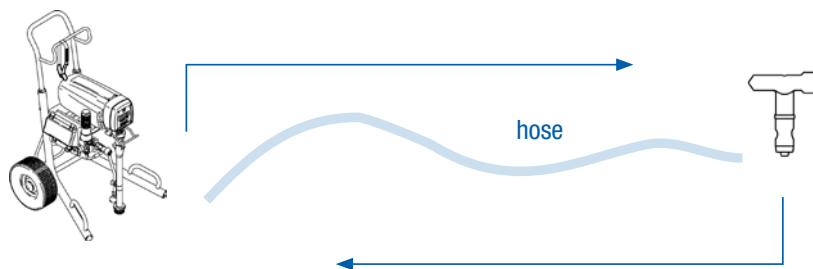
|                             |   |           |
|-----------------------------|---|-----------|
| Tip Selection Guide _____   | p | 104 - 109 |
| RAC X Tips _____            | p | 110 - 111 |
| Airless Striping Tips _____ | p | 112       |
| Cleaning Tips _____         | p | 113       |

Sorted per type of tip,  
including all available sizes

## 1. UNDERSTANDING TIPS

The pump delivers:

- Paint flow
- Paint pressure



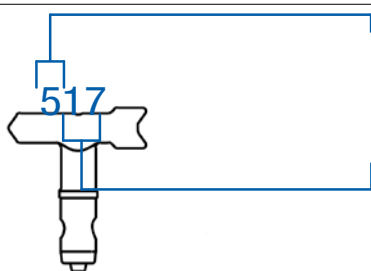
The tip defines:

- Spray angle
- Spray volume

The tip size tells the pump how hard it must work.

## 2. THE SECRET BEHIND THE NUMBERS

(All tip specifications are measured 30 cm away from the surface)



The first digit describes the angle, i.e. 5 = 50° (\*).

The 2<sup>nd</sup> and 3<sup>rd</sup> digits describe the orifice size, i.e. 17 = 0.017"(0.043 cm).

(\* ) Multiply first digit by 5 to get the actual fan width when spraying 30 cm away from the wall, i.e. 5 x 5 = 25 cm.

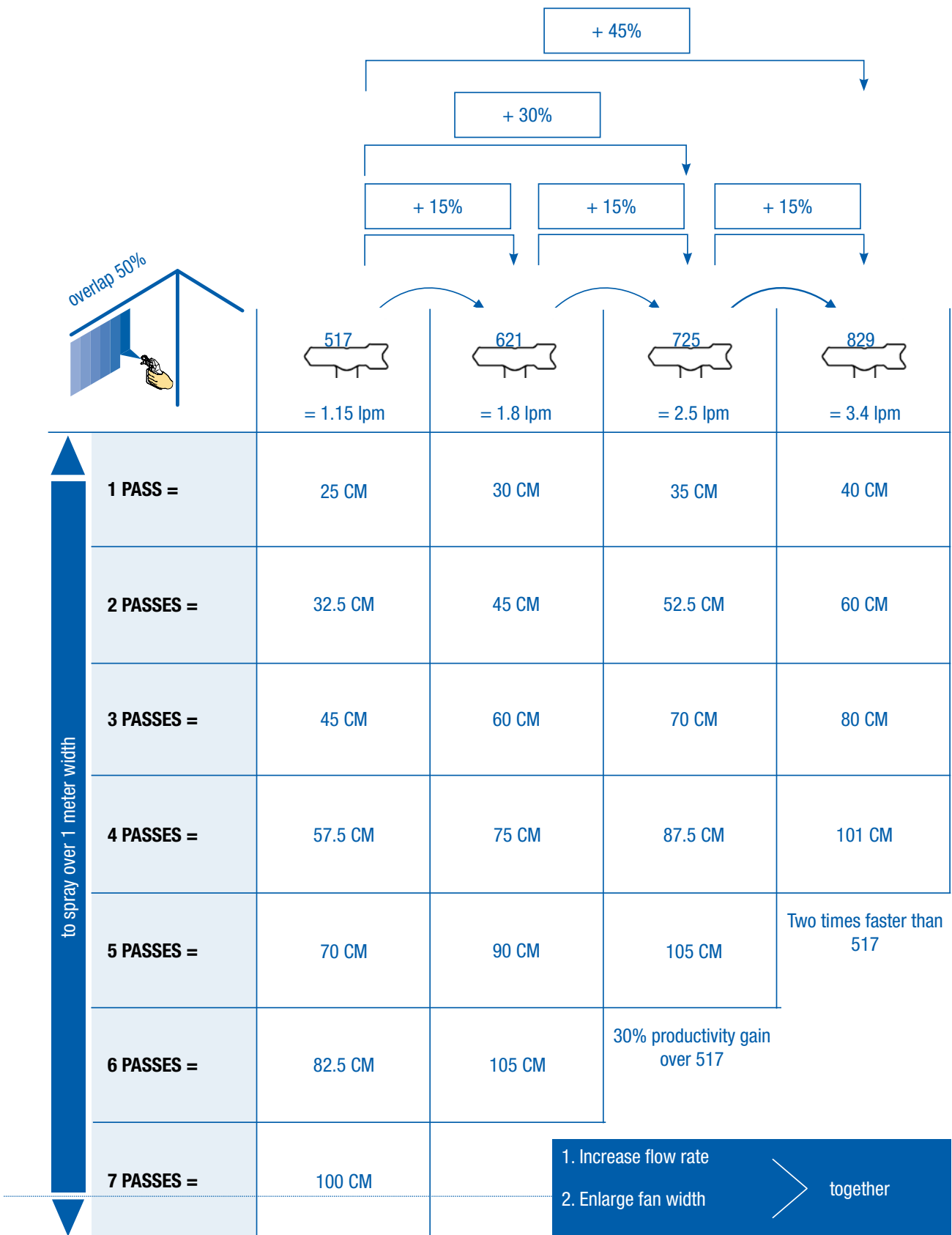
## 3. ADJUSTING TO THE RIGHT TIP

Basic rule: when switching tips, adjust to the new fan width and new orifice size. Together. e.g.: 517 -> 619

| PROBLEM   | SOLUTIONS  |
|---|--|
| <p>Too much paint?</p> <p>0.017" = 1.17 lpm</p>   | <p>1. Reduce orifice size</p> <p>0.013" = 0.7 lpm</p> <p>2. Increase fan angle</p>   |
| <p>Not enough paint?</p> <p>0.017" = 1.17 lpm</p> | <p>1. Increase orifice size</p> <p>0.021" = 1.8 lpm</p> <p>2. Decrease fan angle</p> |



## 4. INCREASING PRODUCTIVITY WITH TIPS



## 5. A TIP ON TIPS

### WHAT IS TIP WEAR?

1) **FAN WIDTH DECREASES** = MORE PASSES NECESSARY = MORE LABOUR

+

2) **ORIFICE SIZE INCREASES** = MORE PAINT COMES OUT = MORE MATERIAL COST

**TOTAL:** **TWICE THE LABOUR!** + 30% MORE PAINT FOR THE SAME SURFACE!

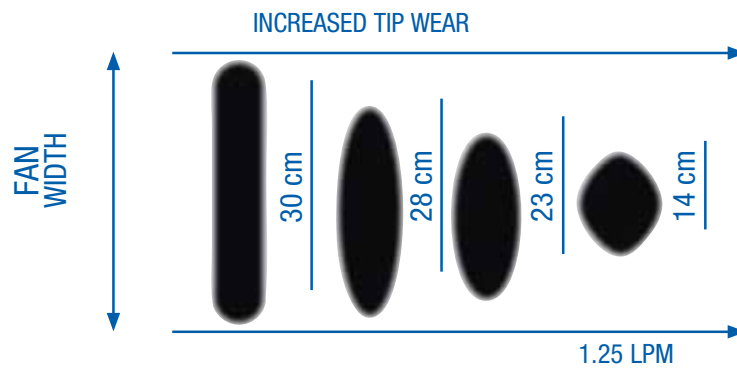
### EXAMPLE:

NEW 615 TIP

= FAN 30 CM AND FLOW @ .91 LPM

### TIP:

When fan loses 25% of its original width = CHANGE







### TIP WEAR CHART:

| FAN WIDTH - NEW TIP | FAN WIDTH - WHEN WORN |
|---------------------|-----------------------|
| 5 cm                | 4 cm                  |
| 10 cm               | 8 cm                  |
| 15 cm               | 12 cm                 |
| 20 cm               | 15 cm                 |
| 25 cm               | 20 cm                 |
| 30 cm               | 25 cm                 |
| 35 cm               | 30 cm                 |
| 40 cm               | 35 cm                 |
| 45 cm               | 40 cm                 |

\* These are recommendations only.

\* Paint abrasion and pressure are the two variables increasing wear speed.

## SPRAY TIP SELECTION GUIDE

| VISCOSITY        | MATERIAL EXAMPLES   | SUGGESTED TIPS SIZES |                         | AIRLESS TIPS CHART  | AVAILABLE SIZES |
|------------------|---------------------|----------------------|-------------------------|---|-----------------|
| <b>FINE</b>      |                     |                      |                         |   |                 |
| 20-30% solids    | Dyes                | 007-009              | 008-010                 |    | See Price List  |
|                  | Stains              | 009-011              | 008-012                 |   |                 |
|                  | Lacquers            | 011-013              | 012-014                 |   |                 |
|                  | Oils                | 011-013              | 012-014                 |   |                 |
|                  | Enamels             | 011-015              | 012-014                 |   |                 |
|                  | Urethanes           | 013-015              | 012-014                 |   |                 |
| <b>MEDIUM</b>    |                     |                      |                         |   |                 |
| 30-50% solids    | Latex               | 015-019              |                         |   | See Price List  |
|                  | Acrylics            | 015-019              |                         |   |                 |
|                  | Multi-colours       | 024-031              | LTXxxx<br>RAC® X (blue) |   |                 |
|                  | Emulsions           | 017-021              |                         |   |                 |
| <b>HEAVY</b>     |                     |                      |                         |   |                 |
| 50% + solids     | Block fillers       | 023-031              |                         |  | See Price List  |
|                  | Elastomerics        | 025-033              |                         |   |                 |
|                  | Intumescent         | 029-035              |                         |   |                 |
|                  | Spachtel            | 029-065              |                         |   |                 |
|                  | Mastics             | 041-047              |                         |   |                 |
|                  | Epoxies             | 031-043              |                         |   |                 |
|                  | Fibered             | 047-053              |                         |   |                 |
|                  | Asphalt             | 031-067              |                         |   |                 |
| <b>SPECIALTY</b> |                     |                      |                         |   |                 |
| Airless Striping | Road striping paint | 031-039              | LL5xxx                  |  | See Price List  |