

***0-key prototype fagottino, Joseph DUPRÉ, Tournai, ca. 1820–50***

**BASIC - OUTSIDE**

| <b>Joint lengths</b>                         | <b>mm</b> | <b>mm</b> | <b>Comments</b> |
|--|-----------|-----------|-----------------|
| Standing length to bell                      | 637.5     |           |                 |
| Standing length to wing joint                | 447       |           |                 |
| Wing joint length                            | 250       |           |                 |
| Wing joint - tenon length                    | 24.1      |           |                 |
| Butt joint length                            | 215       |           |                 |
| Long joint length                            | 301       |           |                 |
| Long joint - south tenon length              | 22.9      |           |                 |
| Long joint - north tenon length              | 26.8      |           |                 |
| Bell length                                  | 172       |           |                 |
| Vent hole distance from north                | //        |           |                 |
| Vent hole approx diameter                    | //        |           |                 |
| <b>Tone hole distance, axis</b>              |           |           |                 |
| Wing - tone hole 1 distance from north       |           |           |                 |
| Wing - tone hole 2 distance from north       |           |           |                 |
| Wing - tone hole 3 distance from north       |           |           |                 |
| Butt - tone hole 4 distance from north       |           |           |                 |
| Butt - tone hole 5 distance from north       |           |           |                 |
| Butt - tone hole 6 distance from north       |           |           |                 |
| Butt - tone hole F distance from north       |           |           |                 |
| Butt - tone hole E distance from north       |           |           |                 |
| Butt - tone hole Ab distance from north      |           |           |                 |
| Butt - tone hole F# distance from north      |           |           |                 |
| Long joint - tone hole D distance from north |           |           |                 |

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|  |      |  |       |
|--|------|--|-------|
| Long joint - tone hole Eb distance from north                |      |  |       |
| Long joint - tone hole C distance from north                 |      |  |       |
| Long joint - tone hole Bb distance from north                |      |  |       |
| Wing - major axis at tone hole 1                             | 30.8 |  | Above |
| Wing - major axis at tone hole 2                             | 30.1 |  | Above |
| Wing - major axis at tone hole 3                             | 29.2 |  | Above |
| Butt - major axis (side to side) at tone hole 4              |      |  |       |
| Butt - minor axis (front to back) at tone hole 4             |      |  |       |
| Butt - major axis (side to side) at tone hole 5              |      |  |       |
| Butt - minor axis (front to back) at tone hole 5             |      |  |       |
| Butt - major axis (side to side) at tone hole 6              |      |  |       |
| Butt - minor axis (front to back) at tone hole 6             |      |  |       |
| Butt - major axis (side to side) at tone hole F              |      |  |       |
| Butt - minor axis (front to back) at tone hole F             |      |  |       |
| Butt - major axis (side to side) at tone hole E              |      |  |       |
| Butt - minor axis (front to back) at tone hole E             |      |  |       |
| Butt - major axis (side to side) of the bottom butt ellipse  | 36.3 |  |       |
| Butt - minor axis (front to back) of the bottom butt ellipse | 27.7 |  |       |
| Butt - major axis (side to side) of the top butt ellipse     | 43.2 |  |       |
| Butt - minor axis (front to back) of the top butt ellipse    | 32.6 |  |       |
| Butt - cork major axis (side to side)                        |      |  |       |
| Butt - cork minor axis (front to back)                       |      |  |       |
| Long joint - minor axis (front to back) at tone hole D       |      |  |       |
| Long joint - major axis (side to side) at tone hole D        |      |  |       |

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|   |  |  |  |
|---|--|--|--|
| Long joint - minor axis (front to back) at tone hole Eb |  |  |  |
| Long joint - major axis (side to side) at tone hole Eb  |  |  |  |
| Long joint - minor axis (front to back) at tone hole C  |  |  |  |
| Long joint - major axis (side to side) at tone hole C   |  |  |  |
| Long joint - minor axis (front to back) at tone hole Bb |  |  |  |
| Long joint - major axis (side to side) at tone hole Bb  |  |  |  |
| <b>Tone hole angle, <math>\emptyset</math>, length</b>  |  |  |  |
| Wing - tone hole 1 angle                                |  |  |  |
| Wing - tone hole 2 angle                                |  |  |  |
| Wing - tone hole 3 angle                                |  |  |  |
| Wing - tone hole 1 approx. $\emptyset$                  |  |  |  |
| Wing - tone hole 2 approx. $\emptyset$                  |  |  |  |
| Wing - tone hole 3 approx. $\emptyset$                  |  |  |  |
| Wing - tone hole 1 approx. length                       |  |  |  |
| Wing - tone hole 2 approx. length                       |  |  |  |
| Wing - tone hole 3 approx. length                       |  |  |  |
| Butt - tone hole 4 angle                                |  |  |  |
| Butt - tone hole 5 angle                                |  |  |  |
| Butt - tone hole 6 angle                                |  |  |  |
| Butt - tone hole E angle                                |  |  |  |
| Butt - tone hole 4 approx. $\emptyset$                  |  |  |  |
| Butt - tone hole 5 approx. $\emptyset$                  |  |  |  |
| Butt - tone hole 6 approx. $\emptyset$                  |  |  |  |
| Butt - tone hole E approx. $\emptyset$                  |  |  |  |
| Butt - tone hole 4 approx. length                       |  |  |  |
| Butt - tone hole 5 approx. length                       |  |  |  |

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|---|-------------|-------------|--|
| Butt - tone hole 6 approx. length   |             |             |  |
| Butt - tone hole E approx. length   |             |             |  |
| Long joint - tone hole C angle  |             |             |  |
| Long joint - tone hole C $\emptyset$  |             |             |  |
| Long joint - tone hole C approx. length                                     |             |             |  |
| <b>BASIC - INSIDE</b>   |             |             |  |
| <b>Inner bore length</b>  |             |             |  |
| Bore length   |             |             |  |
| Wing bore length  |             |             |  |
| Butt - small bore length  |             |             |  |
| Butt - big bore length  |             |             |  |
| Butt - small bore socket length   |             |             |  |
| Butt - big bore socket length   |             |             |  |
| Butt - small bore beginning of septum                                       |             |             |  |
| Butt - big bore beginning of septum   |             |             |  |
| Long joint length   |             |             |  |
| Bell length   |             |             |  |
| <b>Inner bore beginning <math>\emptyset</math> (not socket!)</b>            | <b>Min.</b> | <b>Max.</b> |  |
| Wing bore $\emptyset$ north   |             |             |  |
| Wing bore $\emptyset$ south   |             |             |  |
| Bocal well length   |             |             |  |
| Butt - small bore $\emptyset$ north   |             |             |  |
| Butt - big bore $\emptyset$ north   |             |             |  |
| Long joint $\emptyset$ north  |             |             |  |
| Long joint $\emptyset$ south  |             |             |  |

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|---|-------------|-------------|--|
| Bell bore $\emptyset$ north   | 17.9        | 18.2        |  |
| Bell bore $\emptyset$ south   |             |             |  |
| Bell socket length  | 17.6        |             |  |
| Bocal $\emptyset$ at the beginning  |             |             |  |
| Bocal thickness at the beginning  |             |             |  |
| Bocal $\emptyset$ at the tenon  |             |             |  |
| Bocal thickness at the tenon  |             |             |  |
| Bocal length (along top)  |             |             |  |
| <b>COMPLETE - OUTSIDE</b>   | <b>Min.</b> | <b>Max.</b> |  |
| Bocal well thickness with ferrule   |             |             |  |
| Bocal well ferrule thickness  |             |             |  |
| Wing - tenon thickness  |             |             |  |
| Wing - tenon northern extern. $\emptyset$                                   |             |             |  |
| Wing - tenon southern extern. $\emptyset$                                   |             |             |  |
| Wing - tone hole A distance from north                                      |             |             |  |
| Wing - tone hole A angle  |             |             |  |
| Wing - tone hole A approx. $\emptyset$                                      |             |             |  |
| Wing - tone hole A approx. length   |             |             |  |
| Wing - tone hole W2 distance from north                                     |             |             |  |
| Wing - tone hole W2 angle   |             |             |  |
| Wing - tone hole W2 extern. $\emptyset$                                     |             |             |  |
| Wing - tone hole W2 approx.length   |             |             |  |
| Butt - big socket thickness with ferrule                                    |             |             |  |
| Butt - small socket thickness with ferrule                                  |             |             |  |
| Butt - top ferrule thickness  |             |             |  |

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|---|------|------|-------------|
| Minimum wall thickness between butt sockets                                 |      |      |             |
| Butt - wood space between corks - bottom                                    |      |      |             |
| Butt - big bore cork $\emptyset$ - bottom                                   |      |      |             |
| Butt - small bore cork $\emptyset$ - bottom                                 |      |      |             |
| Butt - wood wall between cork/front - small bore                            |      |      |             |
| Butt - wood wall between cork/front - big bore                              |      |      |             |
| Butt - wood wall between cork/back - small bore                             |      |      |             |
| Butt - wood wall between cork/back - big bore                               |      |      |             |
| Wood wall between cork/side - small bore                                    |      |      |             |
| Wood wall between cork/side - big bore                                      |      |      |             |
| Butt - bottom ferrule thickness   |      |      |             |
| Long joint - south tenon thickness  |      |      |             |
| Long joint - south tenon northern extern. $\emptyset$                       |      |      |             |
| Long joint - south tenon southern extern. $\emptyset$                       |      |      |             |
| Long joint - north tenon thickness  |      |      |             |
| Long joint - north tenon northern extern. $\emptyset$                       |      |      |             |
| Long joint - north tenon southern extern. $\emptyset$                       |      |      |             |
| Bell socket thickness with brass  | 29.7 | 30.3 | No ferrules |
| Brass thickness of the bell ferrule   |      |      |             |
| Bell ferrule height   |      |      |             |