

## 6-key fagottino, Heinrich GRENSER (3), Dresden, ca. 1806–13

<b>BASIC - OUTSIDE</b>	mm	mm	Comments
<b>Joint lengths</b>			
Standing length to bell	655		Curator's report
Standing length to wing joint	491		Estimated
Wing joint length	268		Curator's report
Wing joint - tenon length			
Butt joint length	251		Curator's report
Long joint length	309		Curator's report
Long joint - south tenon length			
Long joint - north tenon length			
Bell length	150		Curator's report
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			
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			
Wing - major axis at tone hole 2			
Wing - major axis at tone hole 3			
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			
Butt - minor axis (front to back) of the bottom butt ellipse			
Butt - major axis (side to side) of the top butt ellipse			
Butt - minor axis (front to back) of the top butt ellipse			
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			
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, Ø, length</b>			
Wing - tone hole 1 angle			
Wing - tone hole 2 angle			
Wing - tone hole 3 angle			
Wing - tone hole 1 approx. Ø			
Wing - tone hole 2 approx. Ø			
Wing - tone hole 3 approx. Ø			
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. Ø			
Butt - tone hole 5 approx. Ø			
Butt - tone hole 6 approx. Ø			
Butt - tone hole E approx. Ø			
Butt - tone hole 4 approx. length			
Butt - tone hole 5 approx. length			
Butt - tone hole 6 approx. length			
Butt - tone hole E approx. length			
Long joint - tone hole C angle			
Long joint - tone hole C Ø			
Long joint - tone hole C approx. length			
<b>BASIC - INSIDE</b>			
<b>Inner bore length</b>	min.	max.	
Bore length			
Wing joint - bore length	268		
Butt - small bore length	225	226	
Butt - big bore length	224		
Butt - small bore socket length	27.7		
Butt - big bore socket length	31.7		
Butt - small bore beginning of septum			
Butt - big bore beginning of septum			
Long joint - bore length	309		
Bell - bore length	151		
<b>Inner bore beginning Ø (not socket!)</b>	Min.	Max.	
Wing bore Ø north			
Wing bore Ø south			
Bocal well length	21		Thckness of walls
Butt - small bore Ø north			
Butt - big bore Ø north			
Long joint Ø north			
Long joint Ø south			
Bell bore Ø north			
Bell bore Ø south			
Bell socket length			
Bocal Ø at the beginning			
Bocal thickness at the beginning			
Bocal Ø 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. Ø			
Wing - tenon southern extern. Ø			
Wing - tone hole A distance from north			
Wing - tone hole A angle			
Wing - tone hole A extern. Ø			
Wing - tone hole A approx. length			
Wing - tone hole C distance from north			
Wing - tone hole C angle			
Wing - tone hole C extern. Ø			
Wing - tone hole C approx. length			
Butt - big socket thickness with ferrule			
Butt - small socket thickness with ferrule			
Butt - top ferrule thickness			
Minimum wall thickness between butt sockets			
Butt - wood space between corks - bottom			
Butt - big bore cork Ø - bottom			
Butt - small bore cork Ø - 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. Ø			
Long joint - south tenon southern extern. Ø			
Long joint - north tenon thickness			
Long joint - north tenon northern extern. Ø			
Long joint - north tenon southern extern. Ø			
Bell socket thickness with brass			
Brass thickness of the bell ferrule			
Bell ferrule height			
<b>Tone hole angle, Ø, length</b>			
Butt - tone hole Ab angle			
Butt - tone hole F angle			
Butt - tone hole F# angle			
Butt - tone hole Ab approx. Ø			
Butt - tone hole F approx. Ø			
Butt - tone hole F# approx. Ø			
Butt - tone hole Ab approx. length			
Butt - tone hole F approx. length			
Butt - tone hole F# approx. length			
Long joint - tone hole D angle			
Long joint - tone hole E <sub>b</sub> angle			
Long joint - tone hole B <sub>b</sub> angle			
Long joint - tone hole D approx. Ø			
Long joint - tone hole E <sub>b</sub> approx. Ø			
Long joint - tone hole B <sub>b</sub> approx.Ø			
Long joint - tone hole D approx. length			
Long joint - tone hole E <sub>b</sub> approx. length			
Long joint - tone hole B <sub>b</sub> approx. length			

<b>COMPLETE - INSIDE</b>			
Wing - tone hole 1 distance from south			
Wing - tone hole 2 distance from south			
Wing - tone hole 3 distance from south			
Wing - tone hole A distance from south			
Wing - tone hole C distance from south			
Butt - tone hole 4 distance from north			
Butt - tone hole 5 distance from north			
Butt - tone hole 6 distance from north			
Butt - tone hole Ab distance from north			
Butt - tone hole F distance from north			
Butt - tone hole F# distance from north			
Butt - tone hole E distance from north			
Long joint - tone hole D distance from north			
Long joint- tone hole E distance from north			
Long joint - tone hole C distance from north			
Long joint - hole B distance from north			
Bell - vent hole distance from north			
<b>EXTRAS</b>			
Butt joint metal band		25.8	
Wing joint metal band	21.1	21.3	