## Fingerings for three-octave major and minor scales on viola

Major scales (take the same path descending as ascending)

С	01234   12-1234   1234   12-1234 <b>4</b>	
<b>D ♭-G ♭</b>	1234   1234   12-1234   123-1234 <b>4</b>	
G	01234   12-1234   123-123-1234 <b>4</b>	" " indicates a string crossing "—" indicates a shift
A♭-B	1234   123-1234   123-123-1234 <b>4</b>	Highest note appears in bold

## Minor scales

С	01234   12-1234   1234   123-123 <b>4</b> 32-321-321   4321   4321   43210
<b>C</b> #	1234   1234   123-1234   123-123 <b>4</b> 32-321   4321-4321   4321   4321
D–F♯	1234   1234   123-1234   123-123 <b>4</b> 32-321-4321   4321   4321   4321
G	01234   12-1234   123-123-1234- <b>4</b> 32-321-4321-321   4321   43210
G♯–B	1234   123-1234   123-123-1234- <b>4</b> 32-321-321   4321   4321-21

Rhythmic value	Notes per bow		
Half	1		
Quarter	2	<b>Tempo</b> :	
Triplet quarter	3		
Eighth	4	Galamian turn: add the scale degrees 3, 2, and	
Triplet eighth	6	1 after the lowest note of the scale, both at the beginning and the end of each repetition of the scale	
Sixteenth	8		
Triplet sixteenth	12		
Thirty-second	24		
Triplet thirty-second	24	Layout by Cameron Raecke https://cameronraecke.com	