

Type of Sound	Violin I	Violin II	Viola	Violoncello	Contrabass
Soloist	1	1	1	1	0-1
Thin	5	4	3 (4) <sup>3</sup>	2-3	1
Thin	6	5	4 (5)	3-4	1
Mid-thin	7	6	5 (6)	4	1/3
Mid-thin	8	7	6 (7)	5	3
Mid	9-12	8-10	7-8 (8-10)	6-7	4
Symphonic Orchestra	13-16	11-14	9-12 (11-14)	8-10	5-7
Full Orchestra	17-20	15-18	13-16 (15-18)	11-14	8-10

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<sup>3</sup> In the case of the viola section, it is recommended, although not an extended practice, to use the same number of violas as second violins. Due to the way it is constructed, the viola doesn't project sound as well as the other members of the string family. For this reason, it is prudent to have extra help.