

Addendum B to:

Chasin, M. (2008, January 28). Musicians and the Prevention of Hearing Loss: An Introduction. *Audiology Online*. Available via the Articles Archive on <http://www.audiologyonline.com>

<i>INSTRUMENT</i>	<i>AUDITORY DANGER</i>	<i>EARPLUG(S)</i>
Reeded woodwinds	Brass section to rear	ER-15 (vented/tuned)
Flutes	Flutes (>105 dBA)	ER-15 (vented/tuned)
Small strings	Small strings (>110 dBA)	ER-15
Large strings	Brass section to rear	Vented/tuned
Brass	Brass (>105 dBA)	Vented/tuned
Percussion	Percussion (high hats)	ER-25
Vocalists		
Solo	Soprano (>115 dB peak)	Vented/tuned
Non-solo	Other instruments	ER-15
Amplified Instruments	Speakers/monitors	ER-15

From "Hear the Music" by Marshall Chasin, 2001 (ISBN# 0-920445-74-8).

ER series of earplugs are uniform (flat) attenuators manufactured by Etymotic Research. Vented/tuned earplugs are made at any earmold laboratory and use a variable vent size to provide varying amounts of high frequency attenuation with little or no low frequency attenuation.