

Violin tension chart

helicore		Note Core/Winding	Tension (lbs.)							
			4/4L	4/4M	4/4H	3/4M	1/2M	1/4M	1/8M	1/16M
		Playing length (mm.-in.)	328 - 13	328 - 13	328 - 13	310 - 12¼	290 - 11½	265 - 10½	241 - 9½	216 - 8½
H311	E-Mi Steel		16.8	18.6	20.4	16.5	16.0	13.3	13.0	10.4
H311W	E-Mi Steel/Aluminum		16.3	18.1	19.9					
H312	A-La Stranded Steel/Aluminum		11.7	12.7	13.6	12.2	11.4	10.2	9.3	8.0
H313	D-Ré Stranded Steel/Titanium		9.2	11.5	12.2	11.3	10.3	9.7	8.3	7.5
H314	G-Sol Stranded Steel/Silver		9.2	10.2	11.4	10.3	10.0	8.9	7.8	7.0
H315	C-Do Stranded Steel/Tungsten-Silver			11.1	12.4					

zyex		Note Core/Winding	Tension (lbs.)							
			4/4L	4/4M	4/4H	3/4M	1/2M	1/4M	1/8M	1/16M
		Playing length (mm.-in.)	328 - 13	328 - 13	328 - 13	310 - 12¼	290 - 11½	265 - 10½	241 - 9½	216 - 8½
DZ311	E-Mi tinned high carbon steel		16.8	18.6	20.4	16.5	14.6	12.1	10.9	9.5
DZ312	A-La Zyex/Aluminum		11.3	12.5	13.7	10.7	9.8	9.6	8.8	7.4
DZ313A	D-Ré Zyex/Aluminum		9.5	10.5	11.5	10.6	9.4	8.5	8.1	7.2
DZ313S	D-Ré Zyex/Silver		9.3	10.6	11.4					
DZ314	G-Sol Zyex/Silver		9.3	10.0	11.0	10.2	9.8	9.4	8.5	7.2

prelude		Note Core/Winding	Tension (lbs.)							
			4/4L	4/4M	4/4H	3/4M	1/2M	1/4M	1/8M	1/16M
		Playing length (mm.-in.)	328 - 13	328 - 13	328 - 13	310 - 12¼	290 - 11½	265 - 10½	241 - 9½	216 - 8½
J811	E-Mi Steel		16.8	18.6	20.4	16.5	16.0	13.3	13.0	10.4
J812	A-La Steel/Aluminum		12.2	13.1	14.1	12.0	11.0	10.4	8.9	7.1
J813	D-Ré Steel/Nickel		10.3	11.7	12.5	10.8	9.4	8.6	7.3	6.3
J814	G-Sol Steel/Nickel		10.3	11.4	13.2	10.6	10.2	8.9	7.6	6.6

kaplan		Note Core/Winding	Tension (lbs.)							
				4/4M						
		Playing length (mm.-in.)		328 - 13						
K420B-1	E-Mi Tinned-high carbon steel, Ball-end			15.2						
K420B-3	E-Mi Tinned-high carbon steel, Ball-end			16.8						
K420B-5	E-Mi Tinned-high carbon steel, Ball-end			18.6						
K420L-1	E-Mi Tinned-high carbon steel, Loop-end			15.2						
K420L-3	E-Mi Tinned-high carbon steel, Loop-end			16.8						
K420L-5	E-Mi Tinned-high carbon steel, Loop-end			18.6						
K301W	E-Mi Steel-Aluminum wound, Loop-end			16.3						
K400L	E-Mi Tinned-high carbon steel, Loop-end			15.2						
K400M	E-Mi Tinned-high carbon steel, Loop-end			16.8						
K400H	E-Mi Tinned-high carbon steel, Loop-end			20.4						
KS311W	E-Mi Steel/Aluminum			18.6						