

08/2/7

Delacour Piano Services Bass String Calculations

Steinway					B5			Bass Bridge Singles				10		26 notes 42 strings 42 covers 42 s/c 0 d/c		
Grand Model 'L'								Bass Bridge Bichords				16				
ORIGINAL SCALE								Bass Bridge Trichords								
Job N°					84			Transition Bridge Sings.								
Customer:-					EYE		Type 1		Transition Bridge Bichs.							
					mm. 45											
		Original Eye Type						Long Bridge Bichords Long Bridge Trichords Double-covered Singles Double-covered Bichords						Steel stretch mm. not incl. eye		
Special Requirements:																
Undercover type 1		(1=Cu40%,2=Cu25%,3=Fe25%)														
ORIGINAL DIMENSIONS					CALCULATED DIMENSIONS											
Note	Length cm.	Core mwg (patterns)	O/D mm.	Calcd. Tens. lbs.	Trial Tension lbs.	Calcd. Diam. mm.	Note N°	Core mwg	Cov 1	Cov 2	% Strain	Target Diameter mm.	Theor. Tension lb.			
									Cu	Cu						
									40%	60%						
A 1	137.9			0	230	5.63	1	26.0	215	-	31%	5.59	227	7		
A# 2	136.4			0	230	5.37	2	25.0	210	-	38%	5.40	233	9		
B 3	135.1			0	227	5.08	3	24.0	200	-	43%	5.11	230	10		
C 4	133.9			0	226	4.83	4	23.0	190	-	47%	4.82	226	11		
C# 5	132.3			0	235	4.70	5	23.0	185	-	50%	4.73	238	11		
D 6	131.1			0	260	4.71	6	22.0	185	-	58%	4.65	254	14		
D# 7	129.8			0	250	4.40	7	22.0	170	-	56%	4.37	246	13		
E 8	128.5			0	250	4.19	8	22.0	160	-	56%	4.18	248	13		
F 9	127.3			0	270	4.15	9	21.0	160	-	66%	4.13	267	15		
F# 10	125.9			0	290	4.10	10	20.0	160	-	77%	4.08	286	17		
G 11	124.1			0	220	3.42	11	18.0	130	-	69%	3.41	218	16		
G# 12	122.1			0	210	3.21	12	18.0	120	-	67%	3.22	212	15		
A 13	120.0			0	220	3.15	13	18.0	115	-	69%	3.13	217	15		
A# 14	117.9			0	220	3.03	14	18.0	110	-	70%	3.03	221	15		
B 15	115.8			0	220	2.91	15	17.5	105	-	74%	2.91	221	16		
C 16	113.9			0	220	2.79	16	17.0	100	-	77%	2.80	221	16		
C# 17	111.9			0	220	2.68	17	17.0	95	-	78%	2.70	224	16		
D 18	109.9			0	220	2.57	18	17.0	90	-	79%	2.61	227	16		
D# 19	107.5			0	220	2.48	19	17.0	85	-	79%	2.52	227	16		
E 20	105.0			0	240	2.50	20	17.0	85	-	84%	2.52	243	17		
F 21	103.2			0	230	2.35	21	16.5	80	-	87%	2.40	240	17		
F# 22	100.1			0	230	2.29	22	16.5	75	-	85%	2.31	234	16		
G 23	98.8			0	230	2.19	23	16.5	70	-	86%	2.22	237	16		
G# 24	96.3			0	230	2.12	24	16.5	65	-	84%	2.13	232	16		
A 25	93.4			0	220	2.02	25	16.5	60	-	81%	2.04	224	15		
A# 26	90.8			0	210	1.91	26	16.5	55	-	79%	1.94	217	14		