

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				
Revised scale								Bass Bridge Trichords								
Job N°					84			Transition Bridge Sings.								
Customer:-					EYE		Type 1		Transition Bridge Bichs.						Steel stretch mm. not incl. eye	
					mm. 45				Transition Bridge Trichs.							
Special Requirements:		Original Eye Type							Long Bridge Bichords							
									Long Bridge Trichords							
Undercover type 1		(1=Cu40%,2=Cu25%,3=Fe25%)							Double-covered Singles							
									Double-covered Bichords							
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	25.5	220	-	35%	5.64	231	8		
A# 2	136.4			0	230	5.37	2	25.0	210	-	38%	5.40	233	9		
B 3	135.1			0	240	5.23	3	24.5	205	-	43%	5.26	243	10		
C 4	133.9			0	240	4.98	4	23.0	200	-	51%	5.01	244	12		
C# 5	132.3			0	265	4.99	5	23.5	195	-	52%	4.97	262	12		
D 6	131.1			0	260	4.71	6	23.0	185	-	55%	4.73	262	12		
D# 7	129.8			0	260	4.49	7	22.5	175	-	57%	4.49	260	13		
E 8	128.5			0	270	4.36	8	22.0	170	-	62%	4.37	271	14		
F 9	127.3			0	270	4.15	9	21.5	160	-	64%	4.15	270	15		
F# 10	125.9			0	270	3.96	10	21.0	150	-	66%	3.94	267	15		
G 11	124.1			0	200	3.26	11	18.0	120	-	62%	3.22	195	14		
G# 12	122.1			0	190	3.05	12	18.0	110	-	60%	3.03	188	13		
A 13	120.0			0	190	2.93	13	18.0	105	-	61%	2.94	191	13		
A# 14	117.9			0	200	2.89	14	18.0	100	-	62%	2.85	195	13		
B 15	115.8			0	180	2.63	15	17.5	90	-	60%	2.64	181	13		
C 16	113.9			0	180	2.52	16	17.5	85	-	61%	2.55	183	13		
C# 17	111.9			0	180	2.42	17	17.5	80	-	62%	2.45	185	13		
D 18	109.9			0	180	2.33	18	17.5	75	-	62%	2.36	185	13		
D# 19	107.5			0	180	2.25	19	17.0	70	-	62%	2.24	180	13		
E 20	105.0			0	180	2.17	20	17.0	65	-	62%	2.15	177	12		
F 21	103.2			0	180	2.08	21	17.0	60	-	61%	2.06	176	12		
F# 22	100.1			0	175	2.00	22	17.0	57.5	-	62%	2.01	178	12		
G 23	98.8			0	160	1.83	23	16.5	50	-	60%	1.85	165	11		
G# 24	96.3			0	160	1.77	24	16.5	47.5	-	61%	1.81	167	11		
A 25	93.4			0	160	1.72	25	16.5	45	-	61%	1.76	168	11		
A# 26	90.8			0	165	1.69	26	16.5	42.5	-	61%	1.71	169	11		