

catalog supplement/string rension specifications



A complete technical reference for fretted instrument string tensions

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Pedal Steel Guitar Acoustic Guitar

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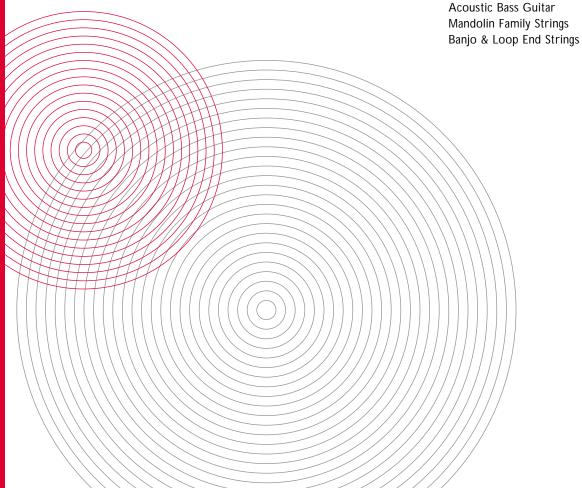
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Introduction

T	Technical Reference for fretted instrument string tensions
his brochure was created to assist in	Guitar and Bass Fingerboard Legends
selecting the ideal string for your instrument	
and playing style. Included in this brochure	String Tensions
are tension tables and formulas to help you	Acoustic or Electric Guitar



calculate what tension a particular string will

have on your instrument.

A complete technical reference for fretted instrument string tensions

Understanding what determines string tension.

In order to determine the tension at which a string will vibrate, you need three pieces of information: the Unit Weight, the Scale Length, and the Frequency of the string. You can use the charts in this brochure to get a pre-calculated tension for the D'Addario strings listed or you can use the formulas below to calculate the exact tension for any string using the scale length of your particular instrument. All of the charts illustrate string tensions for each string at a variety of pitches, in case you use alternative tunings.

- **UW-** <u>Unit Weight.</u> In all the charts and formulas in the brochure, unit weight is expressed in pounds per linear inch (lb/in).
- L- <u>Scale Length.</u> This is the vibrating length of the string. This is determined by measuring the distance from the nut to the bridge of the instrument in inches (in).
- **F-** <u>Frequency or pitch.</u> This is the pitch at which you will be tuning the string expressed in cycles per second (Hertz).

On the following page are two fingerboard graphics detailing the various frequencies for the standard guitar and electric bass guitar.

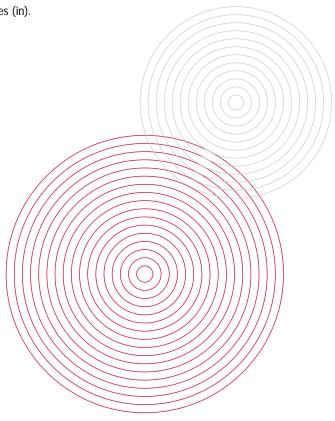
To calculate the tension of a string in pounds use the formula below, inserting the three variables described above:

T (Tension) =
$$(UW \times (2 \times L \times F)^2) / 386.4$$

To convert the result into Newtons, simply multiply by 4.45.

If you know what tension you want the string to have, you can calculate the string unit weight. You can then use the charts in this guide to locate a string with approximately the same desired unit weight.

UW (unit weight) =
$$(T \times 386.4) / (2 \times L \times F)^2$$



Scale Lengths

To calculate the exact tension for a string on your instrument, measure the scale length (nut to bridge) of your instrument and then use the formula on the previous page. The following scale lengths were used to determine the string tensions found on the tension charts in this brochure.

Acoustic/Electric/Classical Guitar = 25 1/2"

Electric Bass Guitar (Superlong Scale) = 36"

Electric Bass Guitar (Long Scale) = 34"

Electric Bass Guitar (Medium Scale) = 32"

Electric Bass Guitar (Short Scale) = 30"

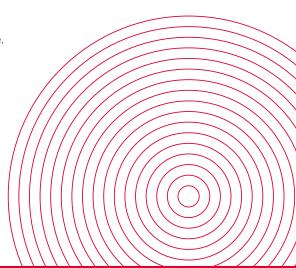
Mandolin = 137/8"

Mandola = 15 7/8"

Mandocello = 25"

Mandobass = 42"

Banjo = $26 \frac{1}{4}$ " (19 $\frac{5}{8}$ " for 5th string)



ringerboard Legends for pitch and requency at standard tuning

Guitar and Bass Guitar Fingerboard Legends

Use these graphics to determine the frequency (in Hertz) of the pitch you are looking for. Standard tunings were used for all guitar and electric bass guitar frequency measurements.

Pitch Notation

c' (Middle c) = 261.6 Hz

Note Above = d'

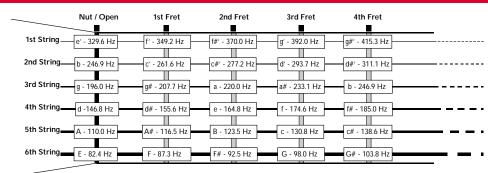
Note Below = b

Octave Above = c"

Octave Below = c

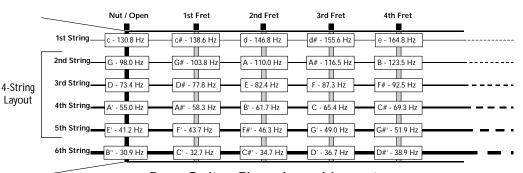
2 Octaves Below = C

3 Octaves Below = C'



Guitar Fingerboard Layout

(Standard Tuning)



Bass Guitar Fingerboard Layout

(Standard 6-String Tuning)

ACOU	istic or	Elec	tcic	guit	O(XL - N	lickelplated	Steel	Round	Woun	d				
11000	0110 01	0100		9411						Item#	Unit Weight	<u>b</u>	<u>a</u>	g 14.2	<u>f</u>	<u>e</u>	<u>d</u>	<u>C</u>	<u>B</u>
Plain St	eel - Lock	Twist								NW017 NW018	.00005524 .00006215	- 25.5	18.0 20.2	14.3 16.1	11.3 12.8	10.1 11.4	8.0 9.0	6.4 7.2	5.7 6.4
Item#	Unit Weight	g'	<u>f</u>	<u>e'</u>	<u>d'</u>	<u>c'</u>	<u>b</u>	<u>a</u>	g	NW019	.00006213	28.5	22.6	18.0	14.3	12.7	10.1	8.0	7.1
PL007	.00001085	11.2	8.9	7.9	6.3	5.0	4.5	3.5	2.8	NW020	.00007495	-	24.4	19.4	15.4	13.7	10.9	8.6	7.7
PL008	.00001418	14.7	11.6	10.4	8.2	6.5	5.8	4.6	3.7	NW021	.00008293	34.0	27.0	21.4	17.0	15.2	12.0	9.6	8.5
PL0085	.00001601	16.6	13.1	11.7	9.3	7.4	6.6	5.2	4.1	NW022	.00009184	37.7	29.9	23.7	18.8	16.8	13.3	10.6	9.4
PL009	.00001794	18.6	14.7	13.1	10.4	8.3	7.4	5.8	4.6	NW024	.00010857	44.6	35.4	28.1	22.3	19.8	15.8	12.5	11.1
PL0095	.00001999	20.7	16.4	14.6	11.6	9.2	8.2	6.5	5.2	NW026	.00012671	-	41.3	32.8	26.0	23.2	18.4	14.6	13.0
PL010	.00002215	22.9	18.2	16.2	12.9	10.2	9.1	7.2	5.7	<u>Item#</u>	<u>Unit Weight</u>	<u>f</u>	<u>e</u>	<u>d</u>	<u>C</u>	<u>B</u>	A	<u>G</u>	<u>E</u>
PL0105	.00002442	25.3	20.0	17.9	14.2	11.3	10.0	8.0	6.3	NW028	.00014666	30.1	26.8	21.3	16.9	15.1	11.9	9.5	7.5
PL011	.00002680	27.7	22.0	19.6	15.6	12.3	11.0	8.7	6.9	NW030	.00017236	35.4	31.5	25.0	19.9	17.7	14.0	11.1	8.8
PL0115 PL012	.00002930 .00003190	30.3 33.0	24.0 26.2	21.4 23.3	17.0 18.5	13.5 14.7	12.0 13.1	9.5 10.4	7.6 8.2	NW032 NW034	.00019347 .00021590	39.7 44.3	35.4 39.5	28.1 31.3	22.3 24.9	19.9 22.2	15.8 17.6	12.5 14.0	9.9 11.1
PL013	.00003144	38.7	30.7	27.4	21.7	17.2	15.4	12.2	9.7	NW034	.00021390	44.3 49.2	43.8	34.8	27.6	24.6	19.5	15.5	12.3
Item#	Unit Weight	<u>d'</u>	<u>c'</u>	<u>b</u>	<u>a</u>	g	<u>f</u>	<u>e</u>	<u>d</u>	NW038	.00025704	54.3	48.4	38.4	30.5	27.2	21.6	17.1	13.6
PL0135	.00004037	23.4	18.6	16.6	13.2	10.4	8.3	7.4	5 <u>.</u> 9	Item#	Unit Weight	<u>C</u>	В	A	<u>G</u>	F F	<u>E</u>	<u>D</u>	<u>C</u>
PL014	.00004342	25.2	20.0	17.8	14.1	11.2	8.9	7.9	6.3	NW039	.00027932	32.2	28.7	22.8	18.1	14.3	12.8	10.1	8.0
PL015	.00004984	28.9	23.0	20.5	16.2	12.9	10.2	9.1	7.2	NW042	.00032279	37.2	33.1	26.3	20.9	16.6	14.8	11.7	9.3
PL016	.00005671	32.9	26.1	23.3	18.5	14.7	11.6	10.4	8.2	NW044	.00035182	40.5	36.1	28.7	22.7	18.0	16.1	12.8	10.1
PL017	.00006402	37.2	29.5	26.3	20.9	16.6	13.1	11.7	9.3	NW046	.00038216	44.0	39.2	31.1	24.7	19.6	17.5	13.9	11.0
<u>Item#</u>	<u>Unit Weight</u>	<u>b</u>	<u>a</u>	g	<u>f</u>	<u>e</u>	<u>d</u>	<u>C</u>	<u>B</u>	NW048	.00041382	47.7	42.5	33.7	26.8	21.2	18.9	15.0	11.9
PL018	.00007177	29.5	23.4	18.6	14.7	13.1	10.4	8.3	7.4	NW049	.00043014	49.5	44.2	35.0	27.8	22.1	19.7	15.6	12.4
PL019	.00007997	32.8	26.1	20.7	16.4	14.6	11.6	9.2	8.2	NW052	.00048109	55.4	49.4	39.2	31.1	24.7	22.0	17.4	13.9
PL020 Item#	.00008861 <u>Unit Weight</u>	36.4	28.9	22.9 <u>f</u>	18.2	16.2 <u>d</u>	12.9 <u>c</u>	10.2 <u>B</u>	9.1 <u>A</u>	<u>Item#</u> NW054	<u>Unit Weight</u> .00053838	<u>A</u> 43.9	<u>G</u> 34.8	<u>E</u> 27.6	<u>E</u> 24.6	<u>D</u> 19.5	<u>C</u> 15.5	<u>B'</u> 13.8	<u>A'</u> 11.0
PL022	.00010722	<u>a</u> 34.9	g 27.7	22.0	<u>e</u> 19.6	15.6	12.3	11.0	8.7	NW054	.00053636	46.9	37.2	29.5	26.3	20.9	16.6	14.8	11.7
PL024	.00010722	41.6	33.0	26.2	23.3	18.5	14.7	13.1	10.4	NW059	.00037370	52.3	41.5	32.9	29.3	23.3	18.5	16.4	13.1
PL026	.00014975	48.8	38.7	30.7	27.4	21.7	17.2	15.4	12.2	NW060	.00066542	54.2	43.0	34.1	30.4	24.1	19.2	17.1	13.5
	eel - Solde									NW062	.00070697	57.6	45.7	36.3	32.3	25.6	20.4	18.1	14.4
Item#	Unit Weight	g <u>'</u>	/ist f	<u>e'</u>	<u>d'</u>	<u>c'</u>	<u>b</u>	<u>a</u>	g	NW064	.00074984	61.1	48.5	38.5	34.3	27.2	21.6	19.2	15.3
KPL009	.00001794	18.6	1 <u>-</u> 14.7	13.1	10.4	8.3	7.4	5.8	4.6	NW066	.00079889	65.1	51.6	41.0	36.5	29.0	23.0	20.5	16.3
KPL010	.00002215	22.9	18.2	16.2	12.9	10.2	9.1	7.2	5.7	NW068	.00084614	68.9	54.7	43.4	38.7	30.7	24.4	21.7	17.2
KPL011	.00002680	27.7	22.0	19.6	15.6	12.3	11.0	8.7	6.9	NW070	.00089304	72.7	57.7	45.8	40.8	32.4	25.7	22.9	18.2
KPL012	.00003190	33.0	26.2	23.3	18.5	14.7	13.1	10.4	8.2	NW072	.00094124	76.7	60.8	48.3	43.0	34.1	27.1	24.1	19.2
KPL013	.00003744	38.7	30.7	27.4	21.7	17.2	15.4	12.2	9.7	NW074	.00098869	80.5	63.9	50.7	45.2	35.9	28.5	25.3	20.1
Item#	<u>Unit Weight</u>	<u>d'</u>	<u>c'</u>	<u>b</u>	<u>a</u>	g	<u>f</u>	<u>e</u>	<u>d</u>	NW080	.00115011	93.7	74.4	59.0	52.6	41.7	33.1	29.5	23.4
KPL014	.00004342	25.2	20.0	17.8	14.1	11.2	8.9	7.9	6.3		lickelplated		Round	Woun	_	berger			_
KPL016	.00005671	32.9	26.1	23.3	18.5	14.7	11.6	10.4	8.2	Item#	Unit Weight	<u>b</u>	<u>a</u>	g 20.1	<u>f</u>	<u>e</u>	<u>d</u>	<u>C</u>	<u>B</u>
KPL017 KPL020	.00006402 .00008861	37.2 51.5	29.5 40.8	26.3 36.4	20.9 28.9	16.6 22.9	13.1 18.2	11.7 16.2	9.3 12.9	SNW024	.00010857	44.6	35.4	28.1	22.3	19.8	15.8	12.5	11.1
				30.4	20.9	22.9	10.2	10.2	12.9	SNW026 Item#	.00012671 <u>Unit Weight</u>	- f	41.3	32.8 <u>d</u>	26.0	23.2	18.4	14.6 <u>G</u>	13.0
	eel - Doub									SNW032	.00019347	39.7	<u>е</u> 35.4	<u>u</u> 28.1	<u>c</u> 22.3	<u>B</u> 19.9	<u>A</u> 15.8	12.5	<u>F</u> 9.9
Item#	Unit Weight		<u>f'</u>	<u>e'</u>	<u>d'</u>	<u>c'</u>	<u>b</u>	<u>a</u>	g	SNW036	.00017347	49.2	43.8	34.8	27.6	24.6	19.5	15.5	12.3
SPL009	.00001794	18.6	14.7	13.1	10.4	8.3	7.4	5.8	4.6	Item#	Unit Weight	<u>C</u>	<u>B</u>	A	<u>G</u>	<u>E</u>	<u>E</u>	<u>D</u>	<u>C</u>
SPL010 SPL011	.00002215 .00002680	22.9 27.7	18.2 22.0	16.2 19.6	12.9 15.6	10.2 12.3	9.1 11.0	7.2 8.7	5.7 6.9	SNW042	.00032279	37.2	33.1	26.3	20.9	16.6	14.8	11.7	9.3
SPL013	.00002000	38.7	30.7	27.4	21.7	17.2	15.4	12.2	9.7	SNW046	.00038216	44.0	39.2	31.1	24.7	19.6	17.5	13.9	11.0
Item#	Unit Weight	<u>d'</u>	<u>c'</u>	<u>b</u>	<u>a</u>	g	<u>f</u>	<u>e</u>	<u>d</u>	XLS - S	Stainless Ste	el Ro	und W	ound					
SPL016	.00005671	32.9	26.1	23.3	18.5	14.7	11.6	10.4	8.2	Item#	Unit Weight	<u>b</u>	<u>a</u>	g	<u>f</u>	<u>e</u>	<u>d</u>	<u>C</u>	<u>B</u>
SPL017	.00006402	37.2	29.5	26.3	20.9	16.6	13.1	11.7	9.3	XSG018	.00006588	27.0	21.5	17.0	13.5	12.0	9.6	7.6	6.8
										XSG020	.00007919	-	25.8	20.5	16.2	14.5	11.5	9.1	8.1
										XSG021	.00008774	-	28.6	22.7	18.0	16.0	12.7	10.1	9.0
										XSG022	.00009731	39.9	31.7	25.2	20.0	17.8	14.1	11.2	10.0
										XSG024	.00011501	-	37.5	29.7	23.6	21.0	16.7	13.2	11.8
6										XSG026	.00013419	-	43.7	34.7	27.5	24.5	19.5	15.5	13.8

XLS - St <u>Item#</u> XSG028 XSG030	Lainless Ste <u>Unit Weight</u> .00015493 .00018203	eel Ro f 31.8 37.4	und VV e 28.3 33.3	ound <u>d</u> 22.5 26.4	<u>c</u> 17.8 21.0	<u>B</u> 15.9 18.7	<u>A</u> 12.6 14.8	<u>G</u> 10.0 11.8	<u>F</u> 7.9 9.3		al steel Stainless Ste			ound P	edal St	eel <u>e</u>	d# _	d	<u>c#</u>
XSG032	.00020398	41.9	37.3	29.6	23.5	20.9	16.6	13.2	10.5	SPS024	.00011501	30.2	26.9	24.0	21.3	19.0	17.0	15.1	13.4
XSG034	.00022729	46.6	41.6	33.0	26.2	23.3	18.5	14.7	11.7	SPS026	.00013419	35.2	31.4	28.0	24.9	22.2	19.8	17.6	15.7
XSG036	.00025198	51.7	46.1	36.6	29.0	25.9	20.5	16.3	12.9	SPS030	.00018203	47.8	42.6	37.9	33.8	30.1	26.8	23.9	21.3
XSG038	.00027804	-	50.8	40.3	32.0	28.5	22.6	18.0	14.3	Item#	<u>Unit Weight</u>	<u>e</u>	<u>d#</u>	<u>d</u>	<u>c#</u>	<u>C</u>	<u>B</u>	<u>A#</u>	<u>A</u>
<u>Item#</u> XSG040	<u>Unit Weight</u> .00031044	<u>c</u> 35.8	<u>В</u> 31.9	<u>А</u> 25.3	<u>G</u> 20.1	<u>F</u> 15.9	<u>E</u> 14.2	<u>D</u> 11.3	<u>C</u> 8.9	SPS034	.00022729	37.6	33.5	29.8	26.6	23.7	21.1	18.8	16.7
XSG040 XSG042	.00031044	39.1	34.8	23.3 27.6	21.9	17.4	15.5	12.3	9.8	SPS036	.00025198	41.7	37.1	33.1	29.5	26.2	23.4	20.8	18.6
XSG042 XSG046	.00033724	46.2	41.2	32.7	25.9	20.6	18.3	14.5	11.5	SPS038	.00027804	46.0	41.0	36.5	32.5	29.0	25.8	23.0	20.5
XSG048	.00043387	50.0	44.5	35.3	28.0	22.3	19.8	15.7	12.5	ltem#	Unit Weight	<u>B</u>	<u>A#</u>	<u>A</u>	<u>G#</u>	<u>G</u>	<u>F#</u>	<u>F</u> 15.7	<u>E</u>
XSG050	.00046816	53.9	48.1	38.1	30.3	24.0	21.4	17.0	13.5	SPS042 SPS054	.00033924 .00056388	31.5 52.4	28.0 46.6	25.0 41.5	22.3 37.0	19.8 33.0	17.7 29.4	15.7 26.2	14.0 23.3
XSG052	.00050382	58.0	51.7	41.0	32.6	25.8	23.0	18.3	14.5	Item#	Unit Weight	<u>G</u>	<u>F#</u>	<u>F</u>	57.0 <u>E</u>	<u>D#</u>	<u>D</u>	<u>C#</u>	<u>C</u>
Item#	<u>Unit Weight</u>	<u>A</u>	<u>G</u>	<u>E</u>	<u>E</u>	<u>D</u>	<u>C</u>	<u>B'</u>	<u>A'</u>	SPS070	.00092592	<u>s</u> 54.1	48.2	43.0	38.3	34.1	30.4	27.1	2 <u>4</u> .1
XSG054	.00056388	45.9	36.5	28.9	25.8	20.4	16.2	14.4	11.5	0.0070	100072072	•	10.2	1010	00.0	•	00		
XSG056	.00060297	49.1	39.0	30.9	27.6	21.9	17.4	15.5	12.3		•	•							
XSG070	.00092592	75.4	59.9	47.5	42.3	33.6	26.7	23.7	18.9	ACO.	ustic gu	itar							
	und - Stair	iless S	teel Ha		nd									. (=)					
Item#	<u>Unit Weight</u>	<u>a</u>	g	<u>f</u>	<u>e</u>	<u>d</u>	<u>C</u>	<u>B</u>	<u>A</u>		nor Bronze			•	XP Coa				
HRG022	.00011271	36.7	29.1	23.1	20.6	16.3	13.0	11.6	9.2	ltem#	Unit Weight	<u>b</u>	<u>a</u>	g 21.0	<u>[</u> 14.4	<u>e</u>	<u>d</u> 11.0	<u>C</u>	<u>B</u>
HRG024	.00012857	41.9	33.2	26.4	23.5	18.7	14.8	13.2	10.5	PB020 PB021	.00008106	-	26.4 29.1	21.0 23.1	16.6 18.4	14.8 16.4	11.8 13.0	9.3 10.3	8.3 9.2
HRG026 <u>Item#</u>	.00014750 <u>Unit Weight</u>	- f	38.1	30.3 <u>d</u>	27.0	21.4 <u>B</u>	17.0 <u>A</u>	15.1 <u>G</u>	12.0 <u>E</u>	PB021	.00008944 .00009876	40.5	32.2	25.1 25.5	20.3	18.1	14.3	11.4	10.1
HRG030	.00018970	38.9	<u>е</u> 34.7	27.5	<u>c</u> 21.8	19.5	15.5	12.3	9.7	PB023	.00007070	44.3	35.2	27.9	22.2	19.7	15.7	12.4	11.1
HRG032	.00021100	43.3	38.6	30.6	24.3	21.7	17.2	13.6	10.8	PB024	.00011682	-	38.1	30.2	24.0	21.4	16.9	13.5	12.0
HRG036	.00025650	52.6	46.9	37.2	29.5	26.3	20.9	16.6	13.2	PB025	.00012686	-	41.3	32.8	26.0	23.2	18.4	14.6	13.0
Item#	Unit Weight	<u>C</u>	<u>B</u>	<u>A</u>	<u>G</u>	<u>F</u>	<u>E</u>	<u>D</u>	<u>C</u>	PB026	.00013640	-	44.4	35.3	28.0	24.9	19.8	15.7	14.0
HRG039	.00029700	34.2	30.5	24.2	19.2	15.2	13.6	10.8	8.6	PB027	.00014834	-	-	38.4	30.4	27.1	21.5	17.1	15.2
HRG042	.00033400	38.5	34.3	27.2	21.6	17.1	15.3	12.1	9.6	Item#	Unit Weight	<u>f</u>	<u>e</u>	<u>d</u>	<u>C</u>	<u>B</u>	A	<u>G</u>	E
HRG046	.00039810	45.8	40.9	32.4	25.7	20.4	18.2	14.4	11.5	PB029	.00017381	35.7	31.8	25.2	20.0	17.8	14.2	11.2	8.9
HRG052	.00049500	57.0	50.8	40.3	32.0	25.4	22.6	18.0	14.3	PB030 PB032	.00018660 .00021018	38.3 43.1	34.1 38.4	27.1 30.5	21.5 24.2	19.2 21.6	15.2 17.1	12.1 13.6	9.6 10.8
HRG056	.00056700	65.3	58.2	46.2	36.7	29.1	25.9	20.6	16.3	PB032 PB034	.00021016	43.1	30.4 43.7	34.7	24.2 27.5	24.5	17.1	15.4	12.3
Chrome				Wound						PB035	.00025365	52.1	46.4	36.8	29.2	26.0	20.7	16.4	13.0
ltem#	Unit Weight	<u>b</u>	<u>a</u>	g	<u>f</u>	<u>e</u>	<u>d</u>	<u>C</u>	<u>B</u>	PB036	.00026830	55.1	49.0	38.9	30.9	27.5	21.9	17.3	13.8
CG020 CG022	.00007812 .00009784	32.1	25.4 31.9	20.2 25.3	16.0 20.1	14.3 17.9	11.3 14.2	9.0 11.3	8.0 10.0	Item#	Unit Weight	<u>C</u>	<u>B</u>	<u>A</u>	<u>G</u>	<u>F</u>	<u>E</u>	<u>D</u>	<u>C</u>
CG022	.00007704		37.8	30.0	23.8	21.2	16.8	13.4	11.9	PB039	.00031125	35.8	32.0	25.4	20.1	16.0	14.2	11.3	9.0
CG024	.00011601	_	44.2	35.1	27.9	24.8	19.7	15.4	13.9	PB042	.00036722	42.3	37.7	29.9	23.7	18.8	16.8	13.3	10.6
Item#	Unit Weight	g	<u>f</u>	<u>e</u>	<u>d</u>	<u>C</u>	<u>B</u>	A	<u>G</u>	PB045	.00041751	48.1	42.9	34.0	27.0	21.4	19.1	15.1	12.0
CG028	.00014683	38.0	30.1	26.8	21.3	16.9	15.1	12.0	9.5	Item#	<u>Unit Weight</u> .00045289	<u>A</u>	<u>G</u>	<u>F</u>	<u>E</u>	<u>D</u>	<u>C</u>	<u>B'</u> 11.6	<u>A'</u>
CG030	.00016958	43.9	34.8	31.0	24.6	19.5	17.4	13.8	11.0	PB047 PB049	.00045289	36.9 40.0	29.3 31.8	23.2 25.2	20.7 22.5	16.4 17.8	13.0 14.2	12.6	9.2 10.0
CG032	.00019233	49.7	39.5	35.2	27.9	22.1	19.7	15.7	12.4	PB052	.00047131	45.0	35.7	28.3	25.2	20.0	15.9	14.2	11.2
CG035	.00024197	62.6	49.7	44.2	35.1	27.9	24.8	19.7	15.6	PB053	.00056962	46.4	36.8	29.2	26.0	20.7	16.4	14.6	11.6
Item#	Unit Weight	<u>d</u> 38.5	20 E	<u>B</u> 27.2	<u>A</u> 21.4	<u>G</u> 17.1	<u>F</u> 12.4	<u>E</u> 12.1	<u>D</u> 9.6	PB056D	.00063477	51.7	41.0	32.6	29.0	23.0	18.3	16.3	12.9
CG038 CG040	.00026520 .00031676	36.3 46.0	30.5 36.5	27.2 32.5	21.6 25.8	17.1 20.5	13.6 16.3	12.1 14.5	9.0 11.5	PB059	.00070535	57.5	45.6	36.2	32.2	25.6	20.3	18.1	14.4
CG040	.00031070	49.9	39.6	35.3	28.0	22.2	17.6	15.7	12.5	PB060	.00073039	59.5	47.2	37.5	33.4	26.5	21.0	18.7	14.9
CG045	.00031377	58.6	46.5	41.5	32.9	26.1	20.7	18.5	14.6	PB062	.00077682	63.3	50.2	39.9	35.5	28.2	22.4	19.9	15.8
Item#	Unit Weight	<u>A</u>	<u>G</u>	<u>E</u>	<u>E</u>	<u>D</u>	<u>C</u>	<u>B'</u>	<u>A'</u>	PB064	.00082780	67.4	53.5	42.5	37.8	30.0	23.8	21.2	16.9
CG048	.00043541	35.5	28.1	22.3	19.9	15.8	12.5	11.2	8.9	PB066	.00087718	71.4 78.9	56.7	45.0 40.7	40.1	31.8 35.1	25.3 27.9	22.5	17.9 10.7
CG050	.00047042	38.3	30.4	24.1	21.5	17.1	13.5	12.1	9.6	PB070	.00096833	10.9	62.6	49.7	44.3	JJ. I	21.7	24.8	19.7
CG052	.00049667	40.5	32.1	25.5	22.7	18.0	14.3	12.7	10.1										
CG056	.00059075	48.1	38.2	30.3	27.0	21.4	17.0	15.1	12.0										
CG065	.00089364	72.8	57.8	45.8	40.8	32.4	25.7	22.9	18.2										7

	os - Phospho	or Dro	nzo Do	alichad						Croat Ar	nerican B	ronzo	OE/1	E Drace	Doub	4 / // / / /	ad		
Item#	Unit Weight	<u>a</u>		f	<u>e</u>	<u>d</u>	<u>C</u>	<u>B</u>	<u>A</u>	Item#	Unit Weight	<u>b</u>	- 03/1		f Kouiii	u vvoui <u>e</u>	<u>d</u>	<u>C</u>	<u>B</u>
FT023	.00012568	40.9	g 32.5	25.8	23.0	18.2	14.5	12.9	10.2	ZW022	.00009802	40.2	31.9	g 25.3	20.1	17.9	14.2	11.3	10.1
FT024	.00012661	44.5	35.3	28.0	25.0	19.8	15.7	14.0	11.1	ZW024	.00011594	-	37.8	30.0	23.8	21.2	16.8	13.4	11.9
FT026	.00015894	-	41.1	32.6	29.1	23.1	18.3	16.3	12.9	ZW025	.00011571	-	41.0	32.6	25.8	23.0	18.3	14.5	12.9
FT028	.00017209	56.1	44.5	35.3	31.5	25.0	19.8	17.7	14.0	ZW026	.00012572	_	44.1	35.0	27.8	24.7	19.6	15.6	13.9
Item#	Unit Weight	f	<u>e</u>	d	<u>C</u>	<u>B</u>	A	<u>G</u>	Ē	Item#	Unit Weight	f	<u>e</u>	<u>d</u>	<u>C</u>	<u>B</u>	A	<u>G</u>	<u>F</u>
FT030	.00019785	40.6	36.2	28.7	22.8	20.3	16.1	12.8	10.1	ZW030	.00018507	38.0	33.8	26.8	21.3	19.0	15.1	12.0	9 <u>.</u> 5
FT032	.00023852	48.9	43.6	34.6	27.5	24.5	19.4	15.4	12.2	ZW032	.00020839	42.8	38.1	30.2	24.0	21.4	17.0	13.5	10.7
FT035	.00027781	-	50.8	40.3	32.0	28.5	22.6	18.0	14.3	ZW034	.00023316	47.8	42.6	33.8	26.9	23.9	19.0	15.1	12.0
FT036	.00029273	60.1	53.5	42.5	33.7	30.1	23.8	18.9	15.0	ZW035	.00024610	50.5	45.0	35.7	28.3	25.3	20.0	15.9	12.6
Item#	Unit Weight	<u>C</u>	<u>B</u>	<u>A</u>	<u>G</u>	<u>F</u>	<u>E</u>	<u>D</u>	<u>C</u>	ZW036	.00026045	53.4	47.6	37.8	30.0	26.7	21.2	16.8	13.4
FT039	.00032904	37.9	33.8	26.8	21.3	16.9	15.0	11.9	9.5	Item#	Unit Weight	<u>C</u>	<u>B</u>	<u>A</u>	<u>G</u>	<u>F</u>	<u>E</u>	<u>D</u>	<u>C</u>
FT042	.00036219	41.7	37.2	29.5	23.4	18.6	16.6	13.1	10.4	ZW040	.00032631	37.6	33.5	26.6	21.1	16.7	14.9	11.8	9.4
FT044	.00041047	47.3	42.1	33.4	26.5	21.1	18.8	14.9	11.8	ZW042	.00035735	41.2	36.7	29.1	23.1	18.3	16.3	13.0	10.3
FT045	.00042603	49.1	43.7	34.7	27.5	21.9	19.5	15.5	12.3	ZW044	.00038985	44.9	40.0	31.8	25.2	20.0	17.8	14.1	11.2
<u>Item#</u>	<u>Unit Weight</u>	<u>A</u>	<u>G</u>	E	<u>E</u>	<u>D</u>	<u>C</u>	<u>B'</u>	<u>A'</u>	ZW045	.00040665	46.8	41.7	33.1	26.3	20.9	18.6	14.7	11.7
FT047	.00046166	37.6	29.8	23.7	21.1	16.7	13.3	11.8	9.4	ZW046	.00042565	49.0	43.7	34.7	27.5	21.8	19.5	15.4	12.3
FT053	.00055793	45.4	36.1	28.6	25.5	20.2	16.1	14.3	11.4	Item#	Unit Weight	<u>A</u>	<u>G</u>	<u>E</u>	<u>E</u>	<u>D</u>	<u>C</u>	<u>B'</u>	<u>A'</u>
FT056	.00064108	52.2	41.4	32.9	29.3	23.2	18.5	16.4	13.1	ZW050	.00050824	41.4	32.9	26.1	23.2	18.4	14.6	13.0	10.3
00.000	00/00 D	D-								ZW052	.00054686	44.5	35.4	28.1	25.0	19.8	15.7	14.0	11.1
80-20′S					r	_		_	D	ZW054	.00058694	47.8	37.9	30.1	26.8	21.3	16.9	15.0	12.0
ltem#	Unit Weight	<u>b</u>	<u>a</u> 25.4	g 20.2	<u>f</u> 14 1	<u>e</u> 14.4	<u>d</u> 11 1	<u>C</u> 0.1	<u>B</u> 0 1	ZW056	.00062847	51.2	40.6	32.2	28.7	22.8	18.1	16.1	12.8
BW020	.00007862 .00008684	-	25.6	20.3	16.1 17.8	14.4 15.9	11.4	9.1 10.0	8.1 8.9										
BW021 BW022	.00009600	39.4	28.3 31.3	22.5 24.8	17.6	17.6	12.6 13.9	11.1	9.9	closs	ical gi	rito	C						
BW023	.00010509	39.4 43.1	34.2	24.0 27.2	21.6	17.0	15.9	12.1	10.8	Cluss	icai g	JII (I.	ı						
BW023	.00010307	-	37.0	29.4	23.3	20.8	16.5	13.1	11.7	Pro•∧rtć	- Laser S	Calact	Claar	Nylon	(FYD (haten'	and II	ncoato	4)
BW024 BW025	.00011333	-	40.2	31.9	25.3	22.6	17.9	14.2	12.7	Item#	Unit Weight	<u>f</u>	<u>e'</u>	<u>d'</u>	<u>C'</u>	b	<u>a</u>		رر <u>f</u>
BW025	.00012337	-	43.2	34.3	27.2	24.2	19.2	15.3	13.6	J4301	.00002024	16.6	14.8	<u>u</u> 11.8	9.3	8.3	<u>a</u> 6.6	g 5.2	4.2
BW027	.00013233		46.9	37.2	29.5	26.3	20.9	16.6	14.8	J4302	.00002729	22.4	20.0	15.8	12.6		8.9	7.1	5.6
Item#																			
	Unit Weight	f														11.2 18.6			
	<u>Unit Weight</u> .00016838	<u>f</u> 34.6	<u>e</u>	<u>d</u>	<u>C</u>	<u>B</u>	<u>A</u>	<u>G</u>	<u>E</u>	J4303	.00004525	37.1	33.1	26.3	20.8	18.6	14.7	11.7	9.3
BW029	.00016838	34.6	<u>e</u> 30.8	<u>d</u> 24.4	<u>c</u> 19.4	<u>В</u> 17.3	<u>А</u> 13.7	<u>G</u> 10.9	<u>F</u> 8.6	J4303 J4401/EXP	.00004525 .00002243	37.1 18.4	33.1 16.4	26.3 13.0	20.8 10.3	18.6 9.2	14.7 7.3	11.7 5.8	9.3 4.6
	.00016838 .00018092		<u>e</u> 30.8 33.1	<u>d</u> 24.4 26.2	<u>c</u> 19.4 20.8	<u>B</u> 17.3 18.6	<u>A</u>	<u>G</u> 10.9 11.7	<u>E</u>	J4303	.00004525	37.1 18.4 25.0	33.1 16.4 22.3	26.3 13.0 17.7	20.8 10.3 14.0	18.6 9.2 12.5	14.7 7.3 9.9	11.7 5.8 7.9	9.3 4.6 6.3
BW029 BW030	.00016838	34.6 37.1	<u>e</u> 30.8	<u>d</u> 24.4	<u>c</u> 19.4	<u>В</u> 17.3	<u>A</u> 13.7 14.7	<u>G</u> 10.9	<u>F</u> 8.6 9.3	J4303 J4401/EXP J4402/EXP	.00004525 .00002243 .00003046	37.1 18.4	33.1 16.4	26.3 13.0	20.8 10.3	18.6 9.2	14.7 7.3	11.7 5.8	9.3 4.6
BW029 BW030 BW032	.00016838 .00018092 .00020352	34.6 37.1 41.8	<u>e</u> 30.8 33.1 37.2	<u>d</u> 24.4 26.2 29.5	<u>c</u> 19.4 20.8 23.4	<u>B</u> 17.3 18.6 20.9	<u>A</u> 13.7 14.7 16.6	<u>G</u> 10.9 11.7 13.2	<u>F</u> 8.6 9.3 10.4	J4303 J4401/EXP J4402/EXP J4403/EXP	.00004525 .00002243 .00003046 .00004989	37.1 18.4 25.0 40.9	33.1 16.4 22.3 36.5	26.3 13.0 17.7 29.0	20.8 10.3 14.0 23.0	18.6 9.2 12.5 20.5	14.7 7.3 9.9 16.3	11.7 5.8 7.9 12.9	9.3 4.6 6.3 10.2
BW029 BW030 BW032 BW034	.00016838 .00018092 .00020352 .00022752	34.6 37.1 41.8 46.7	<u>e</u> 30.8 33.1 37.2 41.6	<u>d</u> 24.4 26.2 29.5 33.0	19.4 20.8 23.4 26.2	<u>B</u> 17.3 18.6 20.9 23.4	<u>A</u> 13.7 14.7 16.6 18.5	<u>G</u> 10.9 11.7 13.2 14.7	<u>F</u> 8.6 9.3 10.4 11.7	J4303 J4401/EXP J4402/EXP J4403/EXP J4501/EXP	.00004525 .00002243 .00003046 .00004989 .00002092	37.1 18.4 25.0 40.9 17.2	33.1 16.4 22.3 36.5 15.3	26.3 13.0 17.7 29.0 12.1	20.8 10.3 14.0 23.0 9.6	18.6 9.2 12.5 20.5 8.6	14.7 7.3 9.9 16.3 6.8	11.7 5.8 7.9 12.9 5.4	9.3 4.6 6.3 10.2 4.3
BW029 BW030 BW032 BW034 BW035	.00016838 .00018092 .00020352 .00022752 .00024006	34.6 37.1 41.8 46.7 49.3	9 30.8 33.1 37.2 41.6 43.9	d 24.4 26.2 29.5 33.0 34.8	19.4 20.8 23.4 26.2 27.6	B 17.3 18.6 20.9 23.4 24.6	<u>A</u> 13.7 14.7 16.6 18.5 19.6	<u>G</u> 10.9 11.7 13.2 14.7 15.5	E 8.6 9.3 10.4 11.7 12.3	J4303 J4401/EXP J4402/EXP J4403/EXP J4501/EXP J4502/EXP	.00004525 .00002243 .00003046 .00004989 .00002092 .00002827	37.1 18.4 25.0 40.9 17.2 23.2	33.1 16.4 22.3 36.5 15.3 20.7	26.3 13.0 17.7 29.0 12.1 16.4	20.8 10.3 14.0 23.0 9.6 13.0	18.6 9.2 12.5 20.5 8.6 11.6	14.7 7.3 9.9 16.3 6.8 9.2	11.7 5.8 7.9 12.9 5.4 7.3	9.3 4.6 6.3 10.2 4.3 5.8
BW029 BW030 BW032 BW034 BW035 BW036	.00016838 .00018092 .00020352 .00022752 .00024006 .00025417	34.6 37.1 41.8 46.7 49.3 52.2	e 30.8 33.1 37.2 41.6 43.9 46.5	d 24.4 26.2 29.5 33.0 34.8 36.9	19.4 20.8 23.4 26.2 27.6 29.3	B 17.3 18.6 20.9 23.4 24.6 26.1	<u>A</u> 13.7 14.7 16.6 18.5 19.6 20.7	<u>G</u> 10.9 11.7 13.2 14.7 15.5 16.4	E 8.6 9.3 10.4 11.7 12.3 13.0	J4303 J4401/EXP J4402/EXP J4403/EXP J4501/EXP J4502/EXP J4503/EXP	.00004525 .00002243 .00003046 .00004989 .00002092 .00002827 .00004679	37.1 18.4 25.0 40.9 17.2 23.2 38.4	33.1 16.4 22.3 36.5 15.3 20.7 34.2	26.3 13.0 17.7 29.0 12.1 16.4 27.2	20.8 10.3 14.0 23.0 9.6 13.0 21.6	18.6 9.2 12.5 20.5 8.6 11.6 19.2	14.7 7.3 9.9 16.3 6.8 9.2 15.2	11.7 5.8 7.9 12.9 5.4 7.3 12.1	9.3 4.6 6.3 10.2 4.3 5.8 9.6 4.4 6.0
BW029 BW030 BW032 BW034 BW035 BW036 Item# BW039 BW042	.00016838 .00018092 .00020352 .00022752 .00024006 .00025417 <u>Unit Weight</u> .00030063 .00034808	34.6 37.1 41.8 46.7 49.3 52.2 <u>c</u> 34.6 40.1	e 30.8 33.1 37.2 41.6 43.9 46.5 B 30.9 35.7	<u>d</u> 24.4 26.2 29.5 33.0 34.8 36.9 <u>A</u> 24.5 28.4	© 19.4 20.8 23.4 26.2 27.6 29.3 <u>G</u> 19.4 22.5	B 17.3 18.6 20.9 23.4 24.6 26.1 E 15.4 17.9	A 13.7 14.7 16.6 18.5 19.6 20.7 E 13.7 15.9	<u>G</u> 10.9 11.7 13.2 14.7 15.5 16.4 <u>D</u>	E 8.6 9.3 10.4 11.7 12.3 13.0 <u>C</u> 8.7 10.0	J4303 J4401/EXP J4402/EXP J4403/EXP J4501/EXP J4502/EXP J4601/EXP J4602/EXP J4603/EXP	.00004525 .00002243 .00003046 .00004989 .00002092 .00002827 .00004679 .00002161 .00002924	37.1 18.4 25.0 40.9 17.2 23.2 38.4 17.7 24.0 39.4	33.1 16.4 22.3 36.5 15.3 20.7 34.2 15.8 21.4 35.1	26.3 13.0 17.7 29.0 12.1 16.4 27.2 12.5 17.0 27.8	20.8 10.3 14.0 23.0 9.6 13.0 21.6 10.0 13.5 22.1	18.6 9.2 12.5 20.5 8.6 11.6 19.2 8.9 12.0 19.7	14.7 7.3 9.9 16.3 6.8 9.2 15.2 7.0 9.5	11.7 5.8 7.9 12.9 5.4 7.3 12.1 5.6 7.6 12.4	9.3 4.6 6.3 10.2 4.3 5.8 9.6 4.4 6.0 9.8
BW029 BW030 BW032 BW034 BW035 BW036 <u>Item#</u> BW039	.00016838 .00018092 .00020352 .00022752 .00024006 .00025417 <u>Unit Weight</u> .00030063 .00034808 .00040245	34.6 37.1 41.8 46.7 49.3 52.2 <u>c</u> 34.6	e 30.8 33.1 37.2 41.6 43.9 46.5 B 30.9 35.7 41.3	d 24.4 26.2 29.5 33.0 34.8 36.9 <u>A</u> 24.5	19.4 20.8 23.4 26.2 27.6 29.3 <u>G</u> 19.4 22.5 26.0	B 17.3 18.6 20.9 23.4 24.6 26.1 E 15.4 17.9 20.6	A 13.7 14.7 16.6 18.5 19.6 20.7 E 13.7 15.9 18.4	G 10.9 11.7 13.2 14.7 15.5 16.4 D 10.9 12.6 14.6	E 8.6 9.3 10.4 11.7 12.3 13.0 <u>C</u> 8.7 10.0 11.6	J4303 J4401/EXP J4402/EXP J4403/EXP J4501/EXP J4502/EXP J4601/EXP J4602/EXP J4603/EXP J4701	.00004525 .00002243 .00003046 .00004989 .00002092 .00002827 .00004679 .00002161 .00002924 .00004795 .00002092	37.1 18.4 25.0 40.9 17.2 23.2 38.4 17.7 24.0 39.4 17.2	33.1 16.4 22.3 36.5 15.3 20.7 34.2 15.8 21.4 35.1 15.3	26.3 13.0 17.7 29.0 12.1 16.4 27.2 12.5 17.0 27.8 12.1	20.8 10.3 14.0 23.0 9.6 13.0 21.6 10.0 13.5 22.1 9.6	18.6 9.2 12.5 20.5 8.6 11.6 19.2 8.9 12.0 19.7 8.6	14.7 7.3 9.9 16.3 6.8 9.2 15.2 7.0 9.5 15.6 6.8	11.7 5.8 7.9 12.9 5.4 7.3 12.1 5.6 7.6 12.4 5.4	9.3 4.6 6.3 10.2 4.3 5.8 9.6 4.4 6.0 9.8 4.3
BW029 BW030 BW032 BW034 BW035 BW036 Item# BW039 BW042	.00016838 .00018092 .00020352 .00022752 .00024006 .00025417 <u>Unit Weight</u> .00030063 .00034808 .00040245 <u>Unit Weight</u>	34.6 37.1 41.8 46.7 49.3 52.2 <u>c</u> 34.6 40.1 46.3 <u>A</u>	© 30.8 33.1 37.2 41.6 43.9 46.5 B 30.9 35.7 41.3 G	d 24.4 26.2 29.5 33.0 34.8 36.9 A 24.5 28.4 32.8 E	20.8 23.4 26.2 27.6 29.3 G 19.4 22.5 26.0 E	B 17.3 18.6 20.9 23.4 24.6 26.1 E 15.4 17.9 20.6 D	13.7 14.7 16.6 18.5 19.6 20.7 <u>E</u> 13.7 15.9 18.4 <u>C</u>	G 10.9 11.7 13.2 14.7 15.5 16.4 D 10.9 12.6 14.6 B'	E 8.6 9.3 10.4 11.7 12.3 13.0 <u>C</u> 8.7 10.0 11.6 <u>A'</u>	J4303 J4401/EXP J4402/EXP J4403/EXP J4501/EXP J4502/EXP J4601/EXP J4602/EXP J4603/EXP J4701 J4702	.00004525 .00002243 .00003046 .00004989 .00002092 .00002827 .00004679 .00002161 .00002924 .00004795 .00002092 .00002827	37.1 18.4 25.0 40.9 17.2 23.2 38.4 17.7 24.0 39.4 17.2 23.2	33.1 16.4 22.3 36.5 15.3 20.7 34.2 15.8 21.4 35.1 15.3 20.7	26.3 13.0 17.7 29.0 12.1 16.4 27.2 12.5 17.0 27.8 12.1 16.4	20.8 10.3 14.0 23.0 9.6 13.0 21.6 10.0 13.5 22.1 9.6 13.0	18.6 9.2 12.5 20.5 8.6 11.6 19.2 8.9 12.0 19.7 8.6 11.6	14.7 7.3 9.9 16.3 6.8 9.2 15.2 7.0 9.5 15.6 6.8 9.2	11.7 5.8 7.9 12.9 5.4 7.3 12.1 5.6 7.6 12.4 5.4 7.3	9.3 4.6 6.3 10.2 4.3 5.8 9.6 4.4 6.0 9.8 4.3 5.8
BW029 BW030 BW032 BW034 BW035 BW036 Item# BW039 BW042 BW045 Item# BW047	.00016838 .00018092 .00020352 .00022752 .00024006 .00025417 <u>Unit Weight</u> .00030063 .00034808 .00040245 <u>Unit Weight</u>	34.6 37.1 41.8 46.7 49.3 52.2 <u>c</u> 34.6 40.1 46.3 <u>A</u> 35.5	© 30.8 33.1 37.2 41.6 43.9 46.5 B 30.9 35.7 41.3 G 28.2	24.4 26.2 29.5 33.0 34.8 36.9 <u>A</u> 24.5 28.4 32.8 <u>E</u> 22.4	20.8 23.4 26.2 27.6 29.3 <u>G</u> 19.4 22.5 26.0 <u>E</u> 19.9	B 17.3 18.6 20.9 23.4 24.6 26.1 <u>F</u> 15.4 17.9 20.6 <u>D</u> 15.8	13.7 14.7 16.6 18.5 19.6 20.7 <u>E</u> 13.7 15.9 18.4 <u>C</u> 12.6	G 10.9 11.7 13.2 14.7 15.5 16.4 D 10.9 12.6 14.6 B' 11.2	E 8.6 9.3 10.4 11.7 12.3 13.0 <u>C</u> 8.7 10.0 11.6 <u>A'</u> 8.9	J4303 J4401/EXP J4402/EXP J4403/EXP J4501/EXP J4502/EXP J4503/EXP J4601/EXP J4602/EXP J4603/EXP J4701 J4702 J4703	.00004525 .00002243 .00003046 .00004989 .00002092 .00002827 .00004679 .00002161 .00002924 .00004795 .00002092 .00002827 .00004679	37.1 18.4 25.0 40.9 17.2 23.2 38.4 17.7 24.0 39.4 17.2 23.2 38.4	33.1 16.4 22.3 36.5 15.3 20.7 34.2 15.8 21.4 35.1 15.3 20.7 34.2	26.3 13.0 17.7 29.0 12.1 16.4 27.2 12.5 17.0 27.8 12.1 16.4 27.2	20.8 10.3 14.0 23.0 9.6 13.0 21.6 10.0 13.5 22.1 9.6 13.0 21.6	18.6 9.2 12.5 20.5 8.6 11.6 19.2 8.9 12.0 19.7 8.6 11.6 19.2	14.7 7.3 9.9 16.3 6.8 9.2 15.2 7.0 9.5 15.6 6.8 9.2 15.2	11.7 5.8 7.9 12.9 5.4 7.3 12.1 5.6 7.6 12.4 5.4 7.3 12.1	9.3 4.6 6.3 10.2 4.3 5.8 9.6 4.4 6.0 9.8 4.3 5.8 9.6
BW029 BW030 BW032 BW034 BW035 BW036 Item# BW039 BW042 BW045 Item# BW047 BW049	.00016838 .00018092 .00020352 .00022752 .00024006 .00025417 <u>Unit Weight</u> .00030063 .00034808 .00040245 <u>Unit Weight</u> .00043634	34.6 37.1 41.8 46.7 49.3 52.2 <u>c</u> 34.6 40.1 46.3 <u>A</u> 35.5 38.6	9 30.8 33.1 37.2 41.6 43.9 46.5 <u>B</u> 30.9 35.7 41.3 <u>G</u> 28.2 30.6	<u>d</u> 24.4 26.2 29.5 33.0 34.8 36.9 <u>А</u> 24.5 28.4 32.8 <u>F</u> 22.4 24.3	19.4 20.8 23.4 26.2 27.6 29.3 <u>G</u> 19.4 22.5 26.0 <u>E</u> 19.9 21.6	B 17.3 18.6 20.9 23.4 24.6 26.1 E 15.4 17.9 20.6 D 15.8 17.2	A 13.7 14.7 16.6 18.5 19.6 20.7 E 13.7 15.9 18.4 C 12.6 13.6	G 10.9 11.7 13.2 14.7 15.5 16.4 D 10.9 12.6 14.6 B' 11.2 12.1	E 8.6 9.3 10.4 11.7 12.3 13.0 <u>C</u> 8.7 10.0 11.6 <u>A'</u> 8.9 9.6	J4303 J4401/EXP J4402/EXP J4403/EXP J4501/EXP J4502/EXP J4601/EXP J4602/EXP J4603/EXP J4701 J4702 J4703 J4801	.00004525 .00002243 .00003046 .00004989 .00002092 .00002827 .00004679 .00002924 .00004795 .00002092 .00002827 .00004679 .00002161	37.1 18.4 25.0 40.9 17.2 23.2 38.4 17.7 24.0 39.4 17.2 23.2 38.4 17.7	33.1 16.4 22.3 36.5 15.3 20.7 34.2 15.8 21.4 35.1 15.3 20.7 34.2 15.8	26.3 13.0 17.7 29.0 12.1 16.4 27.2 12.5 17.0 27.8 12.1 16.4 27.2 12.5	20.8 10.3 14.0 23.0 9.6 13.0 21.6 10.0 13.5 22.1 9.6 13.0 21.6 10.0	18.6 9.2 12.5 20.5 8.6 11.6 19.2 8.9 12.0 19.7 8.6 11.6 19.2 8.9	14.7 7.3 9.9 16.3 6.8 9.2 15.2 7.0 9.5 15.6 6.8 9.2 15.2 7.0	11.7 5.8 7.9 12.9 5.4 7.3 12.1 5.6 7.6 12.4 5.4 7.3 12.1 5.6	9.3 4.6 6.3 10.2 4.3 5.8 9.6 4.4 6.0 9.8 4.3 5.8 9.6 4.4
BW029 BW030 BW032 BW034 BW035 BW036 Item# BW039 BW042 BW045 Item# BW047 BW049 BW052	.00016838 .00018092 .00020352 .00022752 .00024006 .00025417 <u>Unit Weight</u> .00030063 .00034808 .00040245 <u>Unit Weight</u> .00043634 .00047368	34.6 37.1 41.8 46.7 49.3 52.2 <u>c</u> 34.6 40.1 46.3 <u>A</u> 35.5 38.6 43.4	9 30.8 33.1 37.2 41.6 43.9 46.5 <u>B</u> 30.9 35.7 41.3 <u>G</u> 28.2 30.6 34.4	<u>d</u> 24.4 26.2 29.5 33.0 34.8 36.9 <u>А</u> 24.5 28.4 32.8 <u>F</u> 22.4 24.3 27.3	19.4 20.8 23.4 26.2 27.6 29.3 <u>G</u> 19.4 22.5 26.0 <u>E</u> 19.9 21.6 24.3	B 17.3 18.6 20.9 23.4 24.6 26.1 E 15.4 17.9 20.6 D 15.8 17.2 19.3	A 13.7 14.7 16.6 18.5 19.6 20.7 E 13.7 15.9 18.4 C 12.6 13.6 15.3	G 10.9 11.7 13.2 14.7 15.5 16.4 D 10.9 12.6 14.6 B' 11.2 12.1 13.6	E 8.6 9.3 10.4 11.7 12.3 13.0 <u>C</u> 8.7 10.0 11.6 <u>A'</u> 8.9 9.6 10.8	J4303 J4401/EXP J4402/EXP J4403/EXP J4501/EXP J4502/EXP J4503/EXP J4601/EXP J4602/EXP J4701 J4702 J4703 J4801 J4802	.00004525 .00002243 .00003046 .00004989 .00002092 .00002827 .00004679 .00002924 .00004795 .00002092 .00002827 .00004679 .00002161 .00002924	37.1 18.4 25.0 40.9 17.2 23.2 38.4 17.7 24.0 39.4 17.2 23.2 38.4 17.7 24.0	33.1 16.4 22.3 36.5 15.3 20.7 34.2 15.8 21.4 35.1 15.3 20.7 34.2 15.8 21.4	26.3 13.0 17.7 29.0 12.1 16.4 27.2 12.5 17.0 27.8 12.1 16.4 27.2 12.5 17.0	20.8 10.3 14.0 23.0 9.6 13.0 21.6 10.0 13.5 22.1 9.6 13.0 21.6 10.0 13.5	18.6 9.2 12.5 20.5 8.6 11.6 19.2 8.9 12.0 19.7 8.6 11.6 19.2 8.9 12.0	14.7 7.3 9.9 16.3 6.8 9.2 15.2 7.0 9.5 15.6 6.8 9.2 15.2 7.0 9.5	11.7 5.8 7.9 12.9 5.4 7.3 12.1 5.6 7.6 12.4 5.4 7.3 12.1 5.6 7.6	9.3 4.6 6.3 10.2 4.3 5.8 9.6 4.4 6.0 9.8 4.3 5.8 9.6 4.4
BW029 BW030 BW032 BW034 BW035 BW036 Item# BW039 BW042 BW045 Item# BW047 BW049 BW052 BW053	.00016838 .00018092 .00020352 .00022752 .00024006 .00025417 <u>Unit Weight</u> .00030063 .00034808 .00040245 <u>Unit Weight</u> .00043634 .00047368 .00053224	34.6 37.1 41.8 46.7 49.3 52.2 <u>c</u> 34.6 40.1 46.3 <u>A</u> 35.5 38.6 43.4 44.7	9 30.8 33.1 37.2 41.6 43.9 46.5 8 30.9 35.7 41.3 G 28.2 30.6 34.4 35.5	<u>d</u> 24.4 26.2 29.5 33.0 34.8 36.9 <u>А</u> 24.5 28.4 32.8 <u>F</u> 22.4 24.3 27.3 28.1	19.4 20.8 23.4 26.2 27.6 29.3 <u>G</u> 19.4 22.5 26.0 <u>E</u> 19.9 21.6 24.3 25.1	B 17.3 18.6 20.9 23.4 24.6 26.1 E 15.4 17.9 20.6 D 15.8 17.2 19.3 19.9	A 13.7 14.7 16.6 18.5 19.6 20.7 E 13.7 15.9 18.4 C 12.6 13.6 15.3 15.8	G 10.9 11.7 13.2 14.7 15.5 16.4 D 10.9 12.6 14.6 B' 11.2 12.1 13.6 14.1	E 8.6 9.3 10.4 11.7 12.3 13.0 <u>C</u> 8.7 10.0 11.6 <u>A'</u> 8.9 9.6 10.8 11.2	J4303 J4401/EXP J4402/EXP J4403/EXP J4501/EXP J4502/EXP J4503/EXP J4601/EXP J4603/EXP J4701 J4702 J4703 J4801 J4802 J4803	.00004525 .0000243 .00003046 .00004989 .00002092 .00002827 .00004679 .00002924 .00004795 .0000292 .00002827 .00004679 .00002924 .00004795	37.1 18.4 25.0 40.9 17.2 23.2 38.4 17.7 24.0 39.4 17.2 23.2 38.4 17.7 24.0 39.4	33.1 16.4 22.3 36.5 15.3 20.7 34.2 15.8 21.4 35.1 15.3 20.7 34.2 15.8 21.4 35.1	26.3 13.0 17.7 29.0 12.1 16.4 27.2 12.5 17.0 27.8 12.1 16.4 27.2 12.5 17.0 27.8	20.8 10.3 14.0 23.0 9.6 13.0 21.6 10.0 13.5 22.1 9.6 13.0 21.6 10.0 13.5 22.1	18.6 9.2 12.5 20.5 8.6 11.6 19.2 8.9 12.0 19.7 8.6 11.6 19.2 8.9 12.0 19.7	14.7 7.3 9.9 16.3 6.8 9.2 15.2 7.0 9.5 15.6 6.8 9.2 15.2 7.0 9.5 15.6	11.7 5.8 7.9 12.9 5.4 7.3 12.1 5.6 7.6 12.4 5.4 7.3 12.1 5.6 7.6 12.4	9.3 4.6 6.3 10.2 4.3 5.8 9.6 4.4 6.0 9.8 4.3 5.8 9.6 4.4 6.0 9.8
BW029 BW030 BW032 BW034 BW035 BW036 Item# BW039 BW042 BW045 Item# BW047 BW049 BW052 BW053 BW056	.00016838 .00018092 .00020352 .00022752 .00024006 .00025417 <u>Unit Weight</u> .00030063 .00034808 .00040245 <u>Unit Weight</u> .00047368 .00047368 .00053224 .00054852	34.6 37.1 41.8 46.7 49.3 52.2 <u>c</u> 34.6 40.1 46.3 <u>A</u> 35.5 38.6 43.4 44.7 49.8	9 30.8 33.1 37.2 41.6 43.9 46.5 8 30.9 35.7 41.3 G 28.2 30.6 34.4 35.5 39.5	<u>Ф</u> 24.4 26.2 29.5 33.0 34.8 36.9 <u>А</u> 24.5 28.4 32.8 <u>F</u> 22.4 24.3 27.3 28.1 31.4	19.4 20.8 23.4 26.2 27.6 29.3 <u>G</u> 19.4 22.5 26.0 <u>E</u> 19.9 21.6 24.3 25.1 27.9	B 17.3 18.6 20.9 23.4 24.6 26.1 E 15.4 17.9 20.6 D 15.8 17.2 19.3 19.9 22.2	A 13.7 14.7 16.6 18.5 19.6 20.7 E 13.7 15.9 18.4 C 12.6 13.6 15.3 15.8 17.6	G 10.9 11.7 13.2 14.7 15.5 16.4 D 10.9 12.6 14.6 B' 11.2 12.1 13.6 14.1 15.7	E 8.6 9.3 10.4 11.7 12.3 13.0 <u>C</u> 8.7 10.0 11.6 <u>A'</u> 8.9 9.6 10.8 11.2 12.4	J4303 J4401/EXP J4402/EXP J4403/EXP J4501/EXP J4502/EXP J4503/EXP J4601/EXP J4603/EXP J4701 J4702 J4703 J4801 J4802 J4803 J5101	.00004525 .0000243 .00003046 .00004989 .00002092 .00002827 .00004679 .00002924 .00004795 .0000292 .00002827 .00004679 .00002924 .00004795 .00002924	37.1 18.4 25.0 40.9 17.2 23.2 38.4 17.7 24.0 39.4 17.2 23.2 38.4 17.7 24.0 39.4 17.7	33.1 16.4 22.3 36.5 15.3 20.7 34.2 15.8 21.4 35.1 15.3 20.7 34.2 15.8 21.4 35.1 15.8	26.3 13.0 17.7 29.0 12.1 16.4 27.2 12.5 17.0 27.8 12.1 16.4 27.2 12.5 17.0 27.8 12.5	20.8 10.3 14.0 23.0 9.6 13.0 21.6 10.0 13.5 22.1 9.6 13.0 21.6 10.0 13.5 22.1 10.0	18.6 9.2 12.5 20.5 8.6 11.6 19.2 8.9 12.0 19.7 8.6 11.6 19.2 8.9 12.0 19.7 8.9	14.7 7.3 9.9 16.3 6.8 9.2 15.2 7.0 9.5 15.6 6.8 9.2 15.2 7.0 9.5 15.6 7.0	11.7 5.8 7.9 12.9 5.4 7.3 12.1 5.6 7.6 12.4 5.4 7.3 12.1 5.6 7.6 12.4 5.6 7.6	9.3 4.6 6.3 10.2 4.3 5.8 9.6 4.4 6.0 9.8 4.3 5.8 9.6 4.4 6.0 9.8
BW029 BW030 BW032 BW034 BW035 BW036 Item# BW039 BW042 BW045 Item# BW047 BW049 BW052 BW053	.00016838 .00018092 .00020352 .00022752 .00024006 .00025417 <u>Unit Weight</u> .00030063 .00034808 .00040245 <u>Unit Weight</u> .00043634 .00047368 .00053224	34.6 37.1 41.8 46.7 49.3 52.2 <u>c</u> 34.6 40.1 46.3 <u>A</u> 35.5 38.6 43.4 44.7	9 30.8 33.1 37.2 41.6 43.9 46.5 8 30.9 35.7 41.3 G 28.2 30.6 34.4 35.5	<u>d</u> 24.4 26.2 29.5 33.0 34.8 36.9 <u>А</u> 24.5 28.4 32.8 <u>F</u> 22.4 24.3 27.3 28.1	19.4 20.8 23.4 26.2 27.6 29.3 <u>G</u> 19.4 22.5 26.0 <u>E</u> 19.9 21.6 24.3 25.1	B 17.3 18.6 20.9 23.4 24.6 26.1 E 15.4 17.9 20.6 D 15.8 17.2 19.3 19.9	A 13.7 14.7 16.6 18.5 19.6 20.7 E 13.7 15.9 18.4 C 12.6 13.6 15.3 15.8	G 10.9 11.7 13.2 14.7 15.5 16.4 D 10.9 12.6 14.6 B' 11.2 12.1 13.6 14.1	E 8.6 9.3 10.4 11.7 12.3 13.0 <u>C</u> 8.7 10.0 11.6 <u>A'</u> 8.9 9.6 10.8 11.2	J4303 J4401/EXP J4402/EXP J4403/EXP J4501/EXP J4502/EXP J4503/EXP J4601/EXP J4603/EXP J4701 J4702 J4703 J4801 J4802 J4803 J5101 J5102	.00004525 .0000243 .00003046 .00004989 .00002092 .00002827 .00004679 .00002161 .00002924 .00004795 .00002092 .00002924 .00004795 .00002924 .00004795 .00002161 .00002924	37.1 18.4 25.0 40.9 17.2 23.2 38.4 17.7 24.0 39.4 17.2 23.2 38.4 17.7 24.0 39.4 17.7 24.0	33.1 16.4 22.3 36.5 15.3 20.7 34.2 15.8 21.4 35.1 15.3 20.7 34.2 15.8 21.4 35.1 15.8 21.4	26.3 13.0 17.7 29.0 12.1 16.4 27.2 12.5 17.0 27.8 12.1 16.4 27.2 12.5 17.0 27.8 12.5 17.0	20.8 10.3 14.0 23.0 9.6 13.0 21.6 10.0 13.5 22.1 9.6 13.0 21.6 10.0 13.5 22.1 10.0	18.6 9.2 12.5 20.5 8.6 11.6 19.2 8.9 12.0 19.7 8.6 11.6 19.2 8.9 12.0 19.7 8.9 12.0	14.7 7.3 9.9 16.3 6.8 9.2 15.2 7.0 9.5 15.6 6.8 9.2 15.2 7.0 9.5 15.6 7.0 9.5	11.7 5.8 7.9 12.9 5.4 7.3 12.1 5.6 7.6 12.4 5.4 7.3 12.1 5.6 7.6 12.4 5.6 7.6	9.3 4.6 6.3 10.2 4.3 5.8 9.6 4.4 6.0 9.8 4.3 5.8 9.6 4.4 6.0 9.8 4.4 6.0
BW029 BW030 BW032 BW034 BW035 BW036 Item# BW039 BW042 BW045 Item# BW047 BW049 BW052 BW053 BW056	.00016838 .00018092 .00020352 .00022752 .00024006 .00025417 <u>Unit Weight</u> .00030063 .00034808 .00040245 <u>Unit Weight</u> .00047368 .00047368 .00053224 .00054852	34.6 37.1 41.8 46.7 49.3 52.2 <u>c</u> 34.6 40.1 46.3 <u>A</u> 35.5 38.6 43.4 44.7 49.8	9 30.8 33.1 37.2 41.6 43.9 46.5 8 30.9 35.7 41.3 G 28.2 30.6 34.4 35.5 39.5	<u>Ф</u> 24.4 26.2 29.5 33.0 34.8 36.9 <u>А</u> 24.5 28.4 32.8 <u>F</u> 22.4 24.3 27.3 28.1 31.4	19.4 20.8 23.4 26.2 27.6 29.3 <u>G</u> 19.4 22.5 26.0 <u>E</u> 19.9 21.6 24.3 25.1 27.9	B 17.3 18.6 20.9 23.4 24.6 26.1 E 15.4 17.9 20.6 D 15.8 17.2 19.3 19.9 22.2	A 13.7 14.7 16.6 18.5 19.6 20.7 E 13.7 15.9 18.4 C 12.6 13.6 15.3 15.8 17.6	G 10.9 11.7 13.2 14.7 15.5 16.4 D 10.9 12.6 14.6 B' 11.2 12.1 13.6 14.1 15.7	E 8.6 9.3 10.4 11.7 12.3 13.0 <u>C</u> 8.7 10.0 11.6 <u>A'</u> 8.9 9.6 10.8 11.2 12.4	J4303 J4401/EXP J4402/EXP J4403/EXP J4501/EXP J4502/EXP J4601/EXP J4602/EXP J4603/EXP J4703 J4703 J4801 J4802 J4803 J5101 J5102 J5103	.00004525 .0000243 .00003046 .00004989 .00002092 .00002827 .00004679 .00002161 .00002924 .00004795 .00002161 .00002924 .00004795 .00002161 .00002924 .00004795	37.1 18.4 25.0 40.9 17.2 23.2 38.4 17.7 24.0 39.4 17.2 23.2 38.4 17.7 24.0 39.4 17.7 24.0 39.4	33.1 16.4 22.3 36.5 15.3 20.7 34.2 15.8 21.4 35.1 15.3 20.7 34.2 15.8 21.4 35.1 15.8 21.4 35.1	26.3 13.0 17.7 29.0 12.1 16.4 27.2 12.5 17.0 27.8 12.1 16.4 27.2 12.5 17.0 27.8 12.5 17.0 27.8	20.8 10.3 14.0 23.0 9.6 13.0 21.6 10.0 13.5 22.1 9.6 13.0 21.6 10.0 13.5 22.1 10.0	18.6 9.2 12.5 20.5 8.6 11.6 19.2 8.9 12.0 19.7 8.6 11.6 19.2 8.9 12.0 19.7 8.9	14.7 7.3 9.9 16.3 6.8 9.2 15.2 7.0 9.5 15.6 6.8 9.2 15.2 7.0 9.5 15.6 7.0	11.7 5.8 7.9 12.9 5.4 7.3 12.1 5.6 7.6 12.4 5.4 7.3 12.1 5.6 7.6 12.4 5.6 7.6	9.3 4.6 6.3 10.2 4.3 5.8 9.6 4.4 6.0 9.8 4.3 5.8 9.6 4.4 6.0 9.8
BW029 BW030 BW032 BW034 BW035 BW036 Item# BW039 BW042 BW045 Item# BW047 BW049 BW052 BW053 BW056	.00016838 .00018092 .00020352 .00022752 .00024006 .00025417 <u>Unit Weight</u> .00030063 .00034808 .00040245 <u>Unit Weight</u> .00047368 .00047368 .00053224 .00054852	34.6 37.1 41.8 46.7 49.3 52.2 <u>c</u> 34.6 40.1 46.3 <u>A</u> 35.5 38.6 43.4 44.7 49.8	9 30.8 33.1 37.2 41.6 43.9 46.5 8 30.9 35.7 41.3 G 28.2 30.6 34.4 35.5 39.5	<u>Ф</u> 24.4 26.2 29.5 33.0 34.8 36.9 <u>А</u> 24.5 28.4 32.8 <u>F</u> 22.4 24.3 27.3 28.1 31.4	19.4 20.8 23.4 26.2 27.6 29.3 <u>G</u> 19.4 22.5 26.0 <u>E</u> 19.9 21.6 24.3 25.1 27.9	B 17.3 18.6 20.9 23.4 24.6 26.1 E 15.4 17.9 20.6 D 15.8 17.2 19.3 19.9 22.2	A 13.7 14.7 16.6 18.5 19.6 20.7 E 13.7 15.9 18.4 C 12.6 13.6 15.3 15.8 17.6	G 10.9 11.7 13.2 14.7 15.5 16.4 D 10.9 12.6 14.6 B' 11.2 12.1 13.6 14.1 15.7	E 8.6 9.3 10.4 11.7 12.3 13.0 <u>C</u> 8.7 10.0 11.6 <u>A'</u> 8.9 9.6 10.8 11.2 12.4	J4303 J4401/EXP J4402/EXP J4403/EXP J4501/EXP J4503/EXP J4601/EXP J4602/EXP J4603/EXP J4703 J4801 J4802 J4803 J5101 J5102 J5103 Pro-Arté	.00004525 .0000243 .00003046 .00004989 .00002092 .00002827 .00004679 .00002161 .00002924 .00004795 .00002161 .00002924 .00004795 .00002161 .00002924 .00004795 .00002161	37.1 18.4 25.0 40.9 17.2 23.2 38.4 17.7 24.0 39.4 17.2 23.2 38.4 17.7 24.0 39.4 17.7 24.0 39.4 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	33.1 16.4 22.3 36.5 15.3 20.7 34.2 15.8 21.4 35.1 15.8 21.4 35.1 15.8 21.4 35.1 15.8 21.4 35.1	26.3 13.0 17.7 29.0 12.1 16.4 27.2 12.5 17.0 27.8 12.1 16.4 27.2 12.5 17.0 27.8 12.5 17.0 27.8 12.5 17.0	20.8 10.3 14.0 23.0 9.6 13.0 21.6 10.0 13.5 22.1 9.6 13.0 21.6 10.0 13.5 22.1 10.0 13.5 22.1	18.6 9.2 12.5 20.5 8.6 11.6 19.2 8.9 12.0 19.7 8.6 11.6 19.2 8.9 12.0 19.7 8.9	14.7 7.3 9.9 16.3 6.8 9.2 15.2 7.0 9.5 15.6 6.8 9.2 15.2 7.0 9.5 15.6 7.0 9.5 15.6	11.7 5.8 7.9 12.9 5.4 7.3 12.1 5.6 7.6 12.4 5.4 7.3 12.1 5.6 7.6 12.4 5.6 7.6 12.4	9.3 4.6 6.3 10.2 4.3 5.8 9.6 4.4 6.0 9.8 4.3 5.8 9.6 4.4 6.0 9.8 4.4 6.0 9.8
BW029 BW030 BW032 BW034 BW035 BW036 Item# BW039 BW042 BW045 Item# BW047 BW049 BW052 BW053 BW056	.00016838 .00018092 .00020352 .00022752 .00024006 .00025417 <u>Unit Weight</u> .00030063 .00034808 .00040245 <u>Unit Weight</u> .00047368 .00047368 .00053224 .00054852	34.6 37.1 41.8 46.7 49.3 52.2 <u>c</u> 34.6 40.1 46.3 <u>A</u> 35.5 38.6 43.4 44.7 49.8	9 30.8 33.1 37.2 41.6 43.9 46.5 8 30.9 35.7 41.3 G 28.2 30.6 34.4 35.5 39.5	<u>Ф</u> 24.4 26.2 29.5 33.0 34.8 36.9 <u>А</u> 24.5 28.4 32.8 <u>F</u> 22.4 24.3 27.3 28.1 31.4	19.4 20.8 23.4 26.2 27.6 29.3 <u>G</u> 19.4 22.5 26.0 <u>E</u> 19.9 21.6 24.3 25.1 27.9	B 17.3 18.6 20.9 23.4 24.6 26.1 E 15.4 17.9 20.6 D 15.8 17.2 19.3 19.9 22.2	A 13.7 14.7 16.6 18.5 19.6 20.7 E 13.7 15.9 18.4 C 12.6 13.6 15.3 15.8 17.6	G 10.9 11.7 13.2 14.7 15.5 16.4 D 10.9 12.6 14.6 B' 11.2 12.1 13.6 14.1 15.7	E 8.6 9.3 10.4 11.7 12.3 13.0 <u>C</u> 8.7 10.0 11.6 <u>A'</u> 8.9 9.6 10.8 11.2 12.4	J4303 J4401/EXP J4402/EXP J4403/EXP J4501/EXP J4502/EXP J4503/EXP J4601/EXP J4602/EXP J4603/EXP J4701 J4702 J4703 J4801 J4802 J4803 J5101 J5102 J5103 Pro-Art6	.00004525 .0000243 .00003046 .00004989 .00002092 .00002827 .00004679 .00002161 .00002924 .00004795 .00002161 .00002924 .00004795 .00002161 .00002924 .00004795 .00002161 .00002924 .00004795	37.1 18.4 25.0 40.9 17.2 23.2 38.4 17.7 24.0 39.4 17.2 23.2 38.4 17.7 24.0 39.4 17.7 24.0 39.4 17.7 24.0 39.4	33.1 16.4 22.3 36.5 15.3 20.7 34.2 15.8 21.4 35.1 15.8 21.4 35.1 15.8 21.4 35.1 15.8 21.4 35.1	26.3 13.0 17.7 29.0 12.1 16.4 27.2 12.5 17.0 27.8 12.1 16.4 27.2 12.5 17.0 27.8 12.5 17.0 27.8 12.5 17.0 27.8	20.8 10.3 14.0 23.0 9.6 13.0 21.6 10.0 13.5 22.1 9.6 13.0 21.6 10.0 13.5 22.1 10.0 13.5 22.1	18.6 9.2 12.5 20.5 8.6 11.6 19.2 8.9 12.0 19.7 8.6 11.6 19.2 8.9 12.0 19.7 8.9 12.0 19.7 8.6 11.6	14.7 7.3 9.9 16.3 6.8 9.2 15.2 7.0 9.5 15.6 6.8 9.2 15.2 7.0 9.5 15.6 7.0 9.5 15.6 7.0 9.5	11.7 5.8 7.9 12.9 5.4 7.3 12.1 5.6 7.6 12.4 5.4 7.3 12.1 5.6 7.6 12.4 5.6 7.6 12.4 5.6 7.6	9.3 4.6 6.3 10.2 4.3 5.8 9.6 4.4 6.0 9.8 4.3 5.8 9.6 4.4 6.0 9.8 4.4 6.0 9.8
BW029 BW030 BW032 BW034 BW035 BW036 Item# BW039 BW042 BW045 Item# BW047 BW049 BW052 BW053 BW056	.00016838 .00018092 .00020352 .00022752 .00024006 .00025417 <u>Unit Weight</u> .00030063 .00034808 .00040245 <u>Unit Weight</u> .00047368 .00047368 .00053224 .00054852	34.6 37.1 41.8 46.7 49.3 52.2 <u>c</u> 34.6 40.1 46.3 <u>A</u> 35.5 38.6 43.4 44.7 49.8	9 30.8 33.1 37.2 41.6 43.9 46.5 8 30.9 35.7 41.3 G 28.2 30.6 34.4 35.5 39.5	<u>Ф</u> 24.4 26.2 29.5 33.0 34.8 36.9 <u>А</u> 24.5 28.4 32.8 <u>F</u> 22.4 24.3 27.3 28.1 31.4	19.4 20.8 23.4 26.2 27.6 29.3 <u>G</u> 19.4 22.5 26.0 <u>E</u> 19.9 21.6 24.3 25.1 27.9	B 17.3 18.6 20.9 23.4 24.6 26.1 E 15.4 17.9 20.6 D 15.8 17.2 19.3 19.9 22.2	A 13.7 14.7 16.6 18.5 19.6 20.7 E 13.7 15.9 18.4 C 12.6 13.6 15.3 15.8 17.6	G 10.9 11.7 13.2 14.7 15.5 16.4 D 10.9 12.6 14.6 B' 11.2 12.1 13.6 14.1 15.7	E 8.6 9.3 10.4 11.7 12.3 13.0 <u>C</u> 8.7 10.0 11.6 <u>A'</u> 8.9 9.6 10.8 11.2 12.4	J4303 J4401/EXP J4402/EXP J4403/EXP J4501/EXP J4502/EXP J4601/EXP J4602/EXP J4603/EXP J4703 J4801 J4802 J4803 J5101 J5102 J5103 Pro-Arté J4901 J4902	.00004525 .0000243 .00003046 .00004989 .00002092 .00002827 .00004679 .00002161 .00002924 .00004795 .00002161 .00002924 .00004795 .00002161 .00002924 .00004795 .00002161 .00002924 .00004795	37.1 18.4 25.0 40.9 17.2 23.2 38.4 17.7 24.0 39.4 17.2 23.2 38.4 17.7 24.0 39.4 17.7 24.0 39.4 17.7 24.0 39.4 17.7 24.0 39.4	33.1 16.4 22.3 36.5 15.3 20.7 34.2 15.8 21.4 35.1 15.8 21.4 35.1 15.8 21.4 35.1 15.8 21.4 35.1	26.3 13.0 17.7 29.0 12.1 16.4 27.2 12.5 17.0 27.8 12.1 16.4 27.2 12.5 17.0 27.8 12.5 17.0 27.8 12.5 17.0 27.8 12.5 17.0	20.8 10.3 14.0 23.0 9.6 13.0 21.6 10.0 13.5 22.1 9.6 13.0 21.6 10.0 13.5 22.1 10.0 13.5 22.1	18.6 9.2 12.5 20.5 8.6 11.6 19.2 8.9 12.0 19.7 8.6 11.6 19.2 8.9 12.0 19.7 8.9 12.0 19.7 8.6 11.6 19.2 8.9 12.0 19.7 8.6 11.6 19.2 8.9 12.0 19.7 8.6 11.6 19.2 8.9 12.0 19.7 8.6 11.6 19.2 8.9 12.0 19.7 8.6 11.6 19.7 8.9 12.0 19.7 8.9 12.0 19.7 8.9 12.0 19.7 8.9 12.0 19.7 8.9 12.0 19.7 8.9 12.0 19.7 8.9 12.0 19.7 8.9 12.0 19.7 8.9 12.0 19.7 8.9 12.0 19.7 8.9 12.0 19.7 8.9 19.7 8.9 10.0	14.7 7.3 9.9 16.3 6.8 9.2 15.2 7.0 9.5 15.6 6.8 9.2 15.2 7.0 9.5 15.6 7.0 9.5 15.6 7.0 9.5	11.7 5.8 7.9 12.9 5.4 7.3 12.1 5.6 7.6 12.4 5.4 7.3 12.1 5.6 7.6 12.4 5.6 7.6 12.4 5.6 7.6	9.3 4.6 6.3 10.2 4.3 5.8 9.6 4.4 6.0 9.8 4.3 5.8 9.6 4.4 6.0 9.8 4.3 5.8
BW029 BW030 BW032 BW034 BW035 BW036 Item# BW039 BW042 BW045 Item# BW047 BW049 BW052 BW053 BW056	.00016838 .00018092 .00020352 .00022752 .00024006 .00025417 <u>Unit Weight</u> .00030063 .00034808 .00040245 <u>Unit Weight</u> .00047368 .00047368 .00053224 .00054852	34.6 37.1 41.8 46.7 49.3 52.2 <u>c</u> 34.6 40.1 46.3 <u>A</u> 35.5 38.6 43.4 44.7 49.8	9 30.8 33.1 37.2 41.6 43.9 46.5 8 30.9 35.7 41.3 G 28.2 30.6 34.4 35.5 39.5	<u>Ф</u> 24.4 26.2 29.5 33.0 34.8 36.9 <u>А</u> 24.5 28.4 32.8 <u>F</u> 22.4 24.3 27.3 28.1 31.4	19.4 20.8 23.4 26.2 27.6 29.3 <u>G</u> 19.4 22.5 26.0 <u>E</u> 19.9 21.6 24.3 25.1 27.9	B 17.3 18.6 20.9 23.4 24.6 26.1 E 15.4 17.9 20.6 D 15.8 17.2 19.3 19.9 22.2	A 13.7 14.7 16.6 18.5 19.6 20.7 E 13.7 15.9 18.4 C 12.6 13.6 15.3 15.8 17.6	G 10.9 11.7 13.2 14.7 15.5 16.4 D 10.9 12.6 14.6 B' 11.2 12.1 13.6 14.1 15.7	E 8.6 9.3 10.4 11.7 12.3 13.0 <u>C</u> 8.7 10.0 11.6 <u>A'</u> 8.9 9.6 10.8 11.2 12.4	J4303 J4401/EXP J4402/EXP J4403/EXP J4501/EXP J4502/EXP J4503/EXP J4601/EXP J4602/EXP J4603/EXP J4701 J4702 J4703 J4801 J4802 J4803 J5101 J5102 J5103 Pro-Arté J4901 J4902 J4903	.00004525 .0000243 .00003046 .00004989 .00002092 .00002827 .00004679 .00002161 .00002924 .00004795 .00002161 .00002924 .00004795 .00002161 .00002924 .00004795 .00002161 .00002924 .00004795 .00002092 .00002092 .00002092	37.1 18.4 25.0 40.9 17.2 23.2 38.4 17.7 24.0 39.4 17.2 23.2 38.4 17.7 24.0 39.4 17.7 24.0 39.4 17.7 24.0 39.4 17.7 24.0 39.4 17.7 24.0 39.4 39.4 17.7 24.0 39.4 39.4 39.4 39.4 39.4 39.4 39.4 39.4	33.1 16.4 22.3 36.5 15.3 20.7 34.2 15.8 21.4 35.1 15.3 20.7 34.2 15.8 21.4 35.1 15.8 21.4 35.1 15.8 21.4 35.1 35.1	26.3 13.0 17.7 29.0 12.1 16.4 27.2 12.5 17.0 27.8 12.1 16.4 27.2 12.5 17.0 27.8 17.0 27.8 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0	20.8 10.3 14.0 23.0 9.6 13.0 21.6 10.0 13.5 22.1 9.6 13.0 21.6 10.0 13.5 22.1 10.0 13.5 22.1 10.0 21.6 10.0 21.6	18.6 9.2 12.5 20.5 8.6 11.6 19.2 8.9 12.0 19.7 8.6 11.6 19.2 8.9 12.0 19.7 8.9 19.7 8.9 19.7 19.7 8.9 19.7	14.7 7.3 9.9 16.3 6.8 9.2 15.2 7.0 9.5 15.6 6.8 9.2 15.2 7.0 9.5 15.6 7.0 9.5 15.6 7.0 9.5 15.6	11.7 5.8 7.9 12.9 5.4 7.3 12.1 5.6 7.6 12.4 5.4 7.3 12.1 5.6 7.6 12.4 5.6 7.6 12.4 5.6 7.6	9.3 4.6 6.3 10.2 4.3 5.8 9.6 4.4 6.0 9.8 4.3 5.8 9.6 4.4 6.0 9.8 4.4 6.0 9.8 4.4 6.0 9.8 4.4 6.0 9.8 4.4 6.0 9.8 4.4 6.0 9.6 9.6 4.4 6.0 9.6 9.6 9.6 9.6 9.6 9.6 9.6 9.6 9.6 9.6
BW029 BW030 BW032 BW034 BW035 BW036 Item# BW039 BW042 BW045 Item# BW047 BW049 BW052 BW053 BW056	.00016838 .00018092 .00020352 .00022752 .00024006 .00025417 <u>Unit Weight</u> .00030063 .00034808 .00040245 <u>Unit Weight</u> .00047368 .00047368 .00053224 .00054852	34.6 37.1 41.8 46.7 49.3 52.2 <u>c</u> 34.6 40.1 46.3 <u>A</u> 35.5 38.6 43.4 44.7 49.8	9 30.8 33.1 37.2 41.6 43.9 46.5 8 30.9 35.7 41.3 G 28.2 30.6 34.4 35.5 39.5	<u>Ф</u> 24.4 26.2 29.5 33.0 34.8 36.9 <u>А</u> 24.5 28.4 32.8 <u>F</u> 22.4 24.3 27.3 28.1 31.4	19.4 20.8 23.4 26.2 27.6 29.3 <u>G</u> 19.4 22.5 26.0 <u>E</u> 19.9 21.6 24.3 25.1 27.9	B 17.3 18.6 20.9 23.4 24.6 26.1 E 15.4 17.9 20.6 D 15.8 17.2 19.3 19.9 22.2	A 13.7 14.7 16.6 18.5 19.6 20.7 E 13.7 15.9 18.4 C 12.6 13.6 15.3 15.8 17.6	G 10.9 11.7 13.2 14.7 15.5 16.4 D 10.9 12.6 14.6 B' 11.2 12.1 13.6 14.1 15.7	E 8.6 9.3 10.4 11.7 12.3 13.0 <u>C</u> 8.7 10.0 11.6 <u>A'</u> 8.9 9.6 10.8 11.2 12.4	J4303 J4401/EXP J4402/EXP J4403/EXP J4501/EXP J4502/EXP J4503/EXP J4601/EXP J4602/EXP J4603/EXP J4703 J4801 J4802 J4803 J5101 J5102 J5103 Pro•Art€ J4901 J4902 J4903 J5001	.00004525 .0000243 .00003046 .00004989 .00002092 .00002827 .00004679 .00002161 .00002924 .00004795 .00002161 .00002924 .00004795 .00002161 .00002924 .00004795 .00002161 .00002924 .00004795 .00002092 .00002092 .00002092	37.1 18.4 25.0 40.9 17.2 23.2 38.4 17.7 24.0 39.4 17.0 39.4 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0	33.1 16.4 22.3 36.5 15.3 20.7 34.2 15.8 21.4 35.1 15.3 20.7 34.2 15.8 21.4 35.1 15.8 21.4 35.1 15.8 21.4 35.1	26.3 13.0 17.7 29.0 12.1 16.4 27.2 12.5 17.0 27.8 12.1 16.4 27.2 12.5 17.0 27.8 17.0 27.8 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0	20.8 10.3 14.0 23.0 9.6 13.0 21.6 10.0 13.5 22.1 9.6 13.0 21.6 10.0 13.5 22.1 10.0 13.5 22.1 10.0 13.5 22.1 10.0	18.6 9.2 12.5 20.5 8.6 11.6 19.2 8.9 12.0 19.7 8.6 11.6 19.2 8.9 12.0 19.7 8.9 19.7 19.7	14.7 7.3 9.9 16.3 6.8 9.2 15.2 7.0 9.5 15.6 6.8 9.2 15.2 7.0 9.5 15.6 7.0 9.5 15.6 7.0 9.5 15.6 7.0 9.7 15.6	11.7 5.8 7.9 12.9 5.4 7.3 12.1 5.6 7.6 12.4 5.4 7.3 12.1 5.6 7.6 12.4 5.6 7.6 12.4 5.6 7.6 12.4 5.6 7.6 12.4 5.6 7.6 12.1 5.6 7.6 12.1 5.6 7.6 12.1 5.6 7.6 12.1 5.6 7.6 12.1 5.6 7.6 12.1 5.6 7.6 12.1 5.6 7.6 12.1 5.6 7.6 12.1 5.6 7.6 12.1 5.6 7.6 12.1 5.6 7.6 12.1 5.6 7.6 12.1 5.6 7.6 12.1 5.6 7.6 12.1 5.6 7.6 12.1 5.6 7.6 12.1 5.6 7.6 12.1 5.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7	9.3 4.6 6.3 10.2 4.3 5.8 9.6 4.4 6.0 9.8 4.3 5.8 9.6 4.4 6.0 9.8 4.3 5.8 9.6 4.4 6.0 9.8 4.4 6.0 9.8 4.4 6.0 9.8 4.4 6.0 9.8 6.0 9.8 6.0 9.8 6.0 9.8 9.8 6.0 9.8 9.8 9.8 9.8 9.8 9.8 9.8 9.8 9.8 9.8
BW029 BW030 BW032 BW034 BW035 BW036 Item# BW039 BW042 BW045 Item# BW047 BW049 BW052 BW053 BW056	.00016838 .00018092 .00020352 .00022752 .00024006 .00025417 <u>Unit Weight</u> .00030063 .00034808 .00040245 <u>Unit Weight</u> .00047368 .00047368 .00053224 .00054852	34.6 37.1 41.8 46.7 49.3 52.2 <u>c</u> 34.6 40.1 46.3 <u>A</u> 35.5 38.6 43.4 44.7 49.8	9 30.8 33.1 37.2 41.6 43.9 46.5 8 30.9 35.7 41.3 G 28.2 30.6 34.4 35.5 39.5	<u>Ф</u> 24.4 26.2 29.5 33.0 34.8 36.9 <u>А</u> 24.5 28.4 32.8 <u>F</u> 22.4 24.3 27.3 28.1 31.4	19.4 20.8 23.4 26.2 27.6 29.3 <u>G</u> 19.4 22.5 26.0 <u>E</u> 19.9 21.6 24.3 25.1 27.9	B 17.3 18.6 20.9 23.4 24.6 26.1 E 15.4 17.9 20.6 D 15.8 17.2 19.3 19.9 22.2	A 13.7 14.7 16.6 18.5 19.6 20.7 E 13.7 15.9 18.4 C 12.6 13.6 15.3 15.8 17.6	G 10.9 11.7 13.2 14.7 15.5 16.4 D 10.9 12.6 14.6 B' 11.2 12.1 13.6 14.1 15.7	E 8.6 9.3 10.4 11.7 12.3 13.0 <u>C</u> 8.7 10.0 11.6 <u>A'</u> 8.9 9.6 10.8 11.2 12.4	J4303 J4401/EXP J4402/EXP J4403/EXP J4501/EXP J4502/EXP J4503/EXP J4601/EXP J4602/EXP J4603/EXP J4701 J4702 J4703 J4801 J4802 J4803 J5101 J5102 J5103 Pro-Arté J4901 J4902 J4903	.00004525 .0000243 .00003046 .00004989 .00002092 .00002827 .00004679 .00002161 .00002924 .00004795 .00002161 .00002924 .00004795 .00002161 .00002924 .00004795 .00002161 .00002924 .00004795 .00002092 .00002092 .00002092	37.1 18.4 25.0 40.9 17.2 23.2 38.4 17.7 24.0 39.4 17.2 23.2 38.4 17.7 24.0 39.4 17.7 24.0 39.4 17.7 24.0 39.4 17.7 24.0 39.4 17.7 24.0 39.4 39.4 17.7 24.0 39.4 39.4 39.4 39.4 39.4 39.4 39.4 39.4	33.1 16.4 22.3 36.5 15.3 20.7 34.2 15.8 21.4 35.1 15.3 20.7 34.2 15.8 21.4 35.1 15.8 21.4 35.1 15.8 21.4 35.1 35.1	26.3 13.0 17.7 29.0 12.1 16.4 27.2 12.5 17.0 27.8 12.1 16.4 27.2 12.5 17.0 27.8 17.0 27.8 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0	20.8 10.3 14.0 23.0 9.6 13.0 21.6 10.0 13.5 22.1 9.6 13.0 21.6 10.0 13.5 22.1 10.0 13.5 22.1 10.0 21.6 10.0 21.6	18.6 9.2 12.5 20.5 8.6 11.6 19.2 8.9 12.0 19.7 8.6 11.6 19.2 8.9 12.0 19.7 8.9 19.7 8.9 19.7 19.7 8.9 19.7	14.7 7.3 9.9 16.3 6.8 9.2 15.2 7.0 9.5 15.6 6.8 9.2 15.2 7.0 9.5 15.6 7.0 9.5 15.6 7.0 9.5 15.6	11.7 5.8 7.9 12.9 5.4 7.3 12.1 5.6 7.6 12.4 5.4 7.3 12.1 5.6 7.6 12.4 5.6 7.6 12.4 5.6 7.6	9.3 4.6 6.3 10.2 4.3 5.8 9.6 4.4 6.0 9.8 4.3 5.8 9.6 4.4 6.0 9.8 4.4 6.0 9.8 4.4 6.0 9.8 4.4 6.0 9.8 4.4 6.0 9.8 4.4 6.0 9.6 9.6 4.4 6.0 9.6 9.6 9.6 9.6 9.6 9.6 9.6 9.6 9.6 9.6

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<u>ltem#</u>	<u>Unit Weight</u>	<u>d</u>	<u>C</u>	<u>B</u>	<u>A</u>	<u>G</u>	E	<u>E</u>	<u>D</u>	Item#	<u>Unit Weight</u>	<u>f'</u>	<u>e'</u>	<u>d'</u>	<u>c'</u>	<u>b</u>	<u>a</u>	g	<u>f</u>
J4304	.00010203	14.8	11.7	10.5	8.3	6.6	5.2	4.7	3.7	J2801	.00002065	16.9	15.1	12.0	9.5	8.5	6.7	5.3	4.2
J4305	.00015347	-	17.7	15.8	12.5	9.9	7.9	7.0	5.6	J2802	.00002900	23.8	21.2	16.8	13.4	11.9	9.4	7.5	6.0
J4306	.00028881	-	-	-	23.5	18.7	14.8	13.2	10.5	J2803	.00004602	37.8	33.7	26.7	21.2	18.9	15.0	11.9	9.4
J4404	.00011237	16.3	12.9	11.5	9.2	7.3	5.8	5.1	4.1	J2901	.00001928	15.8	14.1	11.2	8.9	7.9	6.3	5.0	4.0
J4405	.00019521	-	-	20.0	15.9	12.6	10.0	8.9	7.1	J2902	.00002803	23.0	20.5	16.3	12.9	11.5	9.1	7.2	5.8
J4406	.00034351	-	-	-	-	-	17.6	15.7	12.5	J2903	.00004486	36.8	32.8	26.0	20.7	18.4	14.6	11.6	9.2
J4504	.00010754	15.6	12.4	11.0	8.8	7.0	5.5	4.9	3.9	J3001	.00002065	16.9	15.1	12.0	9.5	8.5	6.7	5.3	4.2
J4505	.00018416	-	_	18.9	15.0	11.9	9.4	8.4	6.7	J3002	.00002900	23.8	21.2	16.8	13.4	11.9	9.4	7.5	6.0
J4506	.00030632	-	_	-	-	19.8	15.7	14.0	11.1	J3003	.00004602	37.8	33.7	26.7	21.2	18.9	15.0	11.9	9.4
J4604	.00011237	16.3	12.9	11.5	9.2	7.3	5.8	5.1	4.1	J3101	.00001002	18.7	16.7	13.3	10.5	9.4	7.4	5.9	4.7
J4605	.00019521	-	-	20.0	15.9	12.6	10.0	8.9	7.1	J3102	.00003022	24.8	22.1	17.5	13.9	12.4	9.8	7.8	6.2
J4606	.00031726	-	_	-	-	20.5	16.3	14.5	11.5	J3103	.00003022	40.9	36.5	29.0	23.0	20.5	16.3	12.9	10.2
J4904	.00031720	15.6	12.4	11.0	8.8	7.0	5.5	4.9	3.9								10.5	12.7	10.2
J4905	.00010734	-	-	18.9	15.0	11.9	9.4	8.4	6.7		ario Classic		Sterlin	g Silvei	r Wour				
J4905 J4906	.00010410		-	10.7	-	19.8	7.4 15.7	0.4 14.0	11.1	<u>Item#</u>	<u>Unit Weight</u>	<u>d</u>	<u>C</u>	<u>B</u>	<u>A</u>	<u>G</u>	<u>E</u>	<u>E</u>	<u>D</u>
		- 14 2		11.5	9.2	7.3	5.8	5.1	4.1	J2804	.00011030	16.0	12.7	11.3	9.0	7.1	5.7	5.0	4.0
J5004	.00011237	16.3	12.9							J2805	.00021363	-	-	-	17.4	13.8	11.0	9.8	7.7
J5005	.00019521	-	-	20.0	15.9	12.6	10.0	8.9	7.1	J2806	.00031726	-	-	-	-	20.5	16.3	14.5	11.5
J5006	.00031726	-	-	-	-	20.5	16.3	14.5	11.5	D'Add:	ario Classic	- Silve	ernlated	d Conr	ner Wo	und			
Pro•Arté	- Flat Sil	verpla	ted Co	pper V	Vound					J2904	.00010203	14.8	11.7	10.5	8.3	6.6	5.2	4.7	3.7
J5104	.00013029	18.9	15.0	13.4	10.6	8.4	6.7	6.0	4.7	J2904 J2905	.00010203	14.0	17.7	15.8	0.5 12.5	9.9	7.9	7.0	5.6
J5105	.00020135	-	-	20.7	16.4	13.0	10.3	9.2	7.3	J2905 J2906	.00013347		-		12.5	18.7	14.8	13.2	10.5
J5106	.00035008	-	-	-	-	-	18.0	16.0	12.7			- 1E /		- 10.0					
Dro. Artó	e - 80/20	Drace \	Mound							J3004	.00010616	15.4	12.2	10.9	8.6	6.9	5.4	4.9	3.8
					0.7		F 4	4.0	2.0	J3005	.00018416	-	-	18.9	15.0	11.9	9.4	8.4	6.7
J4704	.00010616	15.4	12.2	10.9	8.6	6.9	5.4	4.9	3.8	J3006	.00030194	-	-	-	-	19.5	15.5	13.8	11.0
J4705	.00017311	-	19.9	17.8	14.1	11.2	8.9	7.9	6.3	J3104	.00011512	16.7	13.3	11.8	9.4	7.4	5.9	5.3	4.2
J4706	.00029100	-	-	-	-	18.8	14.9	13.3	10.6	J3105	.00019153	-	-	19.7	15.6	12.4	9.8	8.8	6.9
J4804	.00011237	16.3	12.9	11.5	9.2	7.3	5.8	5.1	4.1	J3106	.00031726	-	-	-	-	20.5	16.3	14.5	11.5
J4805	.00018171	-	-	18.7	14.8	11.7	9.3	8.3	6.6	Rectifie	ed Clear Ny	/lon							
J4806	.00030632	-	-	-	-	19.8	15.7	14.0	11.1	Item#	Unit Weight	<u>g'</u>	<u>f'</u>	<u>e'</u>	<u>d'</u>	<u>c'</u>	<u>b</u>	<u>a</u>	g
Pro•Arté	Compos	site - T	rebles							NYL018	.00000916	9.5	7.5	6.7	5.3	4.2	3.8	3.0	2.4
Item#	Unit Weight	<u>f'</u>	<u>e'</u>	<u>d'</u>	<u>c'</u>	<u>b</u>	<u>a</u>	g	<u>f</u>	NYL019	.00001020	10.6	8.4	7.5	5.9	4.7	4.2	3.3	2.6
J4403C	.00005298	43.5	38.7	30.8	24.4	21.7	17.3	13.7	10.9	NYL020	.00001130	11.7	9.3	8.3	6.6	5.2	4.6	3.7	2.9
J4503C	.00004795	39.4	35.1	27.8	22.1	19.7	15.6	12.4	9.8	NYL021	.00001246	12.9	10.2	9.1	7.2	5.7	5.1	4.1	3.2
J4603C	.00005066	41.6	37.0	29.4	23.3	20.8	16.5	13.1	10.4	NYL022	.00001368	14.1	11.2	10.0	7.9	6.3	5.6	4.5	3.5
							.0.0			NYL024	.00001628	16.8	13.4	11.9	9.5	7.5	6.7	5.3	4.2
	Compos						-	-	D	NYL027	.00002060	21.3	16.9	15.1	12.0	9.5	8.5	6.7	5.3
Item#	Unit Weight	<u>d</u>	<u>C</u>	<u>B</u>	<u>A</u>	<u>G</u>	<u>F</u>	<u>E</u>	<u>D</u>	NYL028	.00002216	22.9	18.2	16.2	12.9	10.2	9.1	7.2	5.7
J4404C	.00011581	16.8	13.3	11.9	9.4	7.5	5.9	5.3	4.2	NYL029	.00002377	24.6	19.5	17.4	13.8	10.9	9.8	7.7	6.1
J4405C	.00020381	-	23.5	20.9	16.6	13.2	10.5	9.3	7.4	NYL030	.00002543	26.3	20.9	18.6	14.8	11.7	10.4	8.3	6.6
J4406C	.00036758	-	-	-	-	23.8	18.9	16.8	13.3	NYL031	.00002716	28.1	22.3	19.9	15.8	12.5	11.1	8.8	7.0
J4504C	.00009858	14.3	11.4	10.1	8.0	6.4	5.1	4.5	3.6	NYL032	.00002710	29.9	23.8	21.2	16.8	13.3	11.9	9.4	7.5
J4505C	.00017925	-	20.6	18.4	14.6	11.6	9.2	8.2	6.5	Item#	Unit Weight	<u>e'</u>	<u>d'</u>	<u>c'</u>	<u>b</u>	<u>a</u>		1.4 <u>f</u>	
J4506C	.00033257	-	-	-	-	21.5	17.1	15.2	12.1	NYL033	.00003078	22.5	17.9	14.2	12.6	10.0	g 8.0	6.3	<u>e</u> 5.6
J4604C	.00011030	16.0	12.7	11.3	9.0	7.1	5.7	5.0	4.0	NYL033	.00003070	23.9	19.0	15.0	13.4	10.6	8.4	6.7	6.0
J4605C	.00020381	-	23.5	20.9	16.6	13.2	10.5	9.3	7.4		.00003207	29.8		18.8	16.7	13.3		8.4	
J4606C	.00035226	-	-	-	-	22.8	18.1	16.1	12.8	NYL038			23.7				10.6		7.5
Pro•∆rté	Compos	site - S	Silvernia	ated C	onner	\Λ/ound	R Link	ntly Pol	lished	NYL039	.00004298	31.4	25.0	19.8	17.6	14.0	11.1	8.8	7.9
J4504LP	.00009582	13.9	11.0	9.8	7.8	6.2	4.9	4.4	3.5	NYLO40	.00004522	33.1	26.3	20.8	18.6	14.7	11.7	9.3	8.3
J4505LP	.00007362	-	19.7	17.5	13.9	11.0	8.8	7.8	6.2	NYL041	.00004751	34.7	27.6	21.9	19.5	15.5	12.3	9.7	8.7
J4505LF J4506LP	.00017000	-	17.7	-	13.7	20.2	0.0 16.1	14.3	11.3										
J4500LF J4604LP	.00031266	16.2	12.9	11.5	9.1	7.2	5.7	5.1	4.1										
J4605LP	.00011106	-	22.9	20.4	16.2	7.2 12.9	10.2	9.1	7.2										
J4605LP J4606LP	.00019890			20.4 -	10.2	21.9	10.2 17.4	9. i 15.5	12.3										
J40UOLP	.00033714	-	-	-	-	21.7	17.4	10.0	12.3										0

Silverpla	ated Coppe	er Wo	und on	Nylon						FIFC'	TRIC BA	188 (B					
<u>Item#</u>	<u>Unit Weight</u>	g	<u>f</u>	<u>e</u>	<u>d</u>	<u>C</u>	<u>B</u>	<u>A</u>	<u>G</u>	CLCC	1111 C D2	100 (J O I I E	111					
NYL019W	.00005341	-	11.0	9.8	7.7	6.2	5.5	4.4	3.5	XL - Nic	ckelplated	Roun	d Wour	nd Gui	tar/Bass	S			
NYL020W	.00005341	-	11.0	9.8	7.7	6.2	5.5	4.4	3.5	<u>Item#</u>	<u>Unit Weight</u>	f	<u>e</u>	<u>d</u>	<u>C</u>	<u>B</u>	Α	<u>G</u>	<u>F</u>
NYL022W	.00006498	-	-	11.9	9.4	7.5	6.7	5.3	4.2	NWB024	.00009959	28.3	25.2	20.0	15.9	14.2	11.2	8.9	7.1
NYL024W	.00007408	-	15.2	13.5	10.7	8.5	7.6	6.0	4.8	NWB034	.00019915	-	50.4	40.0	31.7	28.3	22.5	17.8	14.1
NYL025W	.00007023	18.2	14.4	12.8	10.2	8.1	7.2	5.7	4.5	NWB044	.00033751	-	-	67.8	53.8	48.0	38.0	30.2	24.0
NYL026W	.00009438	-	-	17.3	13.7	10.9	9.7	7.7	6.1	Item#	Unit Weight	Ē	<u>D</u>	<u>C</u>	<u>B'</u>	<u>A'</u>	<u>G'</u>	<u>E'</u>	<u>E'</u>
NYL028W	.00010511	-	21.6	19.2	15.2	12.1	10.8	8.6	6.8	NWB056	.00053791	34.0	27.0	21.4	1 9 .1	15.2	12.0	9.6	8.5
NYL029W	.00011667	-	-	21.3	16.9	13.4	12.0	9.5	7.5	NWB072 & -F	6 .00092253	58.4	46.3	36.8	32.7	26.0	20.6	16.4	14.6
NYL030W	.00012419	-	-	22.7	18.0	14.3	12.8	10.1	8.0	NWB084 & -F		80.0	63.5	50.4	44.9	35.6	28.3	22.5	20.0
NYL031W	.00012821	-	26.3	23.4	18.6	14.8	13.2	10.4	8.3	XI - Nic	kelplated	Poun	d \Mour	nd					
Item#	Unit Weight	<u>d</u>	<u>C</u>	<u>B</u>	<u>A</u>	<u>G</u>	<u>F</u>	<u>E</u>	<u>D</u>	Long Scale	Kcipiatca	Roun	a v voui	iu					
NYL033W	.00017913	-	20.6	18.4	14.6	11.6	9.2	8.2 8.8	6.5	Item#	Unit Weight	<u>b</u>	<u>a</u>	g	f	<u>e</u>	<u>d</u>	<u>C</u>	<u>B</u>
NYLO34W	.00019270	-	-	19.8	15.7	12.5	9.9 10.4		7.0	XLB018P	.00007265	53.0	42.1	33.4	26.5	23.6	18.7	1 <u>4</u> .9	13.3
NYLO35W	.00020667	-	-	-	16.8	13.4	10.6	9.4	7.5	XLB020P	.00007203	66.3	52.7	41.8	33.2	29.6	23.4	18.6	16.6
NYL036W <u>Item#</u>	.00022105 <u>Unit Weight</u>	- Λ	- C	<u>Е</u>	18.0 <u>E</u>	14.3 <u>D</u>	11.3	10.1 <u>B'</u>	8.0 <u>A'</u>	XLB028W	.00015433	-	-	-	-	-	39.8	31.6	28.2
NYLO40W	.00028260	<u>A</u> -	<u>G</u> 18.3	<u>L</u> 14.5	<u>∟</u> 12.9	10.2	<u>C</u> 8.1	<u>в</u> 7.2	<u>4.</u> 5.8	Item#	Unit Weight	<u>C</u>	<u>B</u>	<u>A</u>	<u>G</u>	<u>F</u>	Ē	<u>D</u>	<u>C</u>
NYLO40W	.00028200	23.1	18.3	14.5	12.9	10.2	8.2	7.2	5.8	XLB042	.00032252	66.0	58.9	46.7	3 7 .1	2 9 .4	26.2	20.8	16.5
NYLO41W	.00020317	24.8	19.7	15.6	13.9	11.0	8.8	7.8	6.2	XLB052	.00051322	-	-	-	59.0	46.8	41.7	33.1	26.3
NYL042W	.00033302	-	-	17.1	15.2	12.1	9.6	8.5	6.8	<u>Item#</u>	Unit Weight	<u>d</u>	<u>C</u>	<u>B</u>	<u>A</u>	<u>G</u>	<u>F</u>	<u>E</u>	<u>D</u>
NYL045W	.00036470	_	_	18.7	16.7	13.2	10.5	9.3	7.4	XLB032	.00019000	49.0	38.9	34.7	27.5	21.8	17.3	15.4	12.2
NYL048W	.00030170	_	_	21.2	18.9	15.0	11.9	10.6	8.4	XLB035	.00022362	57.7	45.8	40.8	32.4	25.7	20.4	18.2	14.4
NYL050W	.00045369	-		23.3	20.7	16.5	13.1	11.6	9.2	XLB040	.00029322	-	-	53.5	42.5	33.7	26.7	23.8	18.9
NYL052W	.00049500	-		25.4	22.6	18.0	14.3	12.7	10.1	XLB045	.00037240	-	-	68.0	53.9	42.8	34.0	30.3	24.0
NYL054W	.00053793	-	-	-	24.6	19.5	15.5	13.8	11.0	XLB050	.00046463	-	-	84.8	67.3	53.4	42.4	37.8	30.0
NYL056W	.00059624	-	-	-	-	21.6	17.2	15.3	12.1	<u>Item#</u>	<u>Unit Weight</u>	<u>E</u>	<u>E</u>	<u>D</u>	<u>C</u>	<u>B'</u>	<u>A'</u>	<u>G'</u>	<u>F'</u>
										XLB055	.00054816	50.0	44.5	35.3	28.1	25.0	19.8	15.7	12.5
										XLB060	.00066540	60.7	54.1	42.9	34.1	30.3	24.1	19.1	15.2
FOIK	GUITA	R								XLB065	.00079569	72.6	64.7	51.3	40.7	36.2	28.8	22.9	18.2
TOLII	. 9 011A.	1.1								XLB070	.00093218	85.0	75.7	60.1	47.7	42.5	33.7	26.8	21.3
Black N	ylon - Ball	End								XLB075	.00104973	95.7	85.3	67.7	53.7	47.8	38.0	30.2	24.0
Item#	Unit Weight	<u>f</u>	<u>e'</u>	<u>d'</u>	<u>c'</u>	<u>b</u>	<u>a</u>	g	<u>f</u>	XLB080	.00116023	105.8	94.3	74.8	59.4	52.9	42.0	33.3	26.5
BEB028	.00002161	1 7 .7	15.8	12.5	10.0	8.9	7.0	5.6	4 <u>.</u> 4	XLB085	.00133702	121.9	108.6	86.2	68.4	60.9	48.4	38.4	30.6
BEB032	.00002778	22.8	20.3	16.1	12.8	11.4	9.1	7.2	5.7	Item#	Unit Weight	<u>A'</u>	<u>G'</u>	<u>F'</u>	<u>E'</u>	<u>D'</u>	<u>('</u>	<u>B''</u>	<u>A''</u>
BEB040	.00004873	40.0	35.6	28.3	22.4	20.0	15.9	12.6	10.0	XLB090 XLB095	.00150277 .00169349	54.4 61.3	43.2 48.7	34.3 38.7	30.5 34.4	24.2 27.3	19.2 21.7	17.2 19.4	13.6 15.3
	lylon - Ball	End								XLB100	.00109349	65.0	51.6	30. <i>1</i> 41.1	36.5	27.3	23.0	20.5	16.3
BECO28	.00002133	17.5	15.6	12.4	9.8	8.8	7.0	5.5	4.4	XLB105	.00177007	71.8	57.0	45.3	40.3	32.0	25.4	22.7	18.0
BECO32	.00002155	22.6	20.1	16.0	12.7	11.3	9.0	7.1	5.7	XLB103 XLB110	.00227440	82.3	65.3	52.0	46.2	36.7	29.1	26.0	20.6
BECO40	.00002734	36.5	32.5	25.8	20.5	18.2	14.5	11.5	9.1	XLB110 XLB120	.00250280	90.6	71.9	57.2	50.8	40.3	32.0	28.6	22.7
						10.2	11.0	11.0	7.1	XLB125	.00274810	99.5	79.0	62.8	55.8	44.3	35.2	31.4	24.9
	rass Woun		•				0	-	-	XLB130	.00301941	109.3	86.8	69.0	61.3	48.7	38.6	34.5	27.3
Item#	Unit Weight	<u>e</u>	<u>d</u>	<u>C</u>	<u>B</u>	<u>A</u>	<u>G</u>	<u>F</u>	<u>E</u>	XLB135	.00315944	114.4	90.8	72.2	64.2	50.9	40.4	36.1	28.6
BEB031W	.00011650	21.3	16.9	13.4	12.0	9.5	7.5	6.0	5.3	XLB145	.00363204	131.5	104.4	83.0	73.8	58.5	46.5	41.5	32.9
BEB037W BEB045W	.00018785 .00030850	-	-	21.6	19.3	15.3 25.1	12.1 19.9	9.6 15.8	8.6	XLB120T	.00250280	90.6	71.9	57.2	50.8	40.3	32.0	28.6	22.7
							19.9	13.0	14.1	XLB125T	.00274810	99.5	79.0	62.8	55.8	44.3	35.2	31.4	24.9
	ated Coppe			-						XLB130T	.00301941	109.3	86.8	69.0	61.3	48.7	38.6	34.5	27.3
BES031W	.00012271	22.4	17.8	14.1	12.6	10.0	7.9	6.3	5.6	XLB135T	.00315944	114.4	90.8	72.2	64.2	50.9	40.4	36.1	28.6
BES037W	.00020258	-	-	23.3	20.8	16.5	13.1	10.4	9.3	XLB145T	.00363204	131.5	104.4	83.0	73.8	58.5	46.5	41.5	32.9
BES045W	.00033257	-	-	-	-	-	21.5	17.1	15.2	Short Scale									
										Item#	<u>Unit Weight</u>	<u>B</u>	<u>A</u>	<u>G</u>	<u>F</u>	<u>E</u>	<u>D</u>	<u>C</u>	<u>B'</u>
										XB045S	.00037240	52.9	42.0	33.3	26.4	23.6	18.7	14.8	13.2
										XB050S	.00049956	71.0	56.3	44.7	35.5	31.6	25.1	19.9	17.7
										XB065\$.00079569	-	89.7	71.2	56.5	50.3	39.9	31.7	28.2

XB070S

.00106585

75.7

67.4

53.5

42.5

37.8

XI - Nic	ckelplated	Round	uoW b	nd (cor	nt)					XI - Nic	ckelplated	Round	l Wour	nd Steir	nhergei	cont (cont)		
Item#	Unit Weight	<u>C</u>	<u>B'</u>	<u>A'</u>	<u>G'</u>	<u>F'</u>	<u>E'</u>	<u>D'</u>	<u>C'</u>	Item#	Unit Weight	<u>A'</u>	<u>G'</u>	<u>E'</u>	<u>E'</u>	<u>D'</u>	., <u>C'</u>	<u>B''</u>	<u>A''</u>
XB080S	.00116023	46.2	41.2	32.7	26.0	20.6	18.3	1 <u>4.</u> 6	11.6	SXL130	.00301941	109.3	86.8	6 9 .0	61.3	48.7	38.6	34.5	27.3
XB085S	.00145122	57.8	51.5	40.9	32.5	25.8	23.0	18.2	14.5						01.5	10.7	30.0	JT.J	21.5
XB100S	.00143122	71.6	63.7	50.6	40.2	32.0	28.4	22.5	17.9		u <mark>nd - Pur</mark> e	Nicke	el Half	Round					
										Long Scale									
XB105S	.00214990	85.7	76.3	60.6	48.1	38.3	34.0	27.0	21.4	Item#	<u>Unit Weight</u>	<u>d</u>	<u>C</u>	<u>B</u>	<u>A</u>	<u>G</u>	<u>F</u>	<u>E</u>	<u>D</u>
Medium Scal				0	-	-		0	DI	NHR030	.00019977	51.5	40.9	36.5	28.9	23.0	18.2	16.2	12.9
Item#	Unit Weight	<u>B</u>	<u>A</u>	<u>G</u>	<u>E</u>	<u>E</u>	<u>D</u>	<u>C</u>	<u>B'</u>	NHR040	.00031672	-	64.8	57.8	45.9	36.4	28.9	25.7	20.4
XB040M	.00029322	47.4	37.6	29.9	23.7	21.1	16.7	13.3	11.8	NHR045	.00039328	-	80.5	71.8	56.9	45.2	35.9	32.0	25.4
XB045M	.00037240	60.2	47.8	37.9	30.1	26.8	21.3	16.9	15.0	NHR050	.00046898	-	96.0	85.6	67.9	53.9	42.8	38.1	30.2
XB050M	.00046463	75.1	59.6	47.3	37.5	33.4	26.5	21.1	18.8	Item#	Unit Weight	<u>E</u>	<u>E</u>	<u>D</u>	<u>C</u>	<u>B'</u>	<u>A'</u>	<u>G'</u>	<u>F'</u>
XB060M	.00066713	-	85.6	67.9	53.9	48.0	38.1	30.2	26.9	NHR055	.00058122	53.0	47.2	3 7 .5	2 9 .7	26.5	21.0	16.7	13.3
XB065M	.00079569	-	-	81.0	64.3	57.3	45.4	36.1	32.1	NHR060	.00070573	64.4	57.3	45.5	36.1	32.2	25.5	20.3	16.1
XB070M	.00093218	-	-	94.9	75.3	67.1	53.2	42.3	37.6	NHR065	.00070575	73.4	65.4	51.9	41.2	36.7	29.1	23.1	18.4
Item#	Unit Weight	<u>C</u>	<u>B'</u>	<u>A'</u>	<u>G'</u>	<u>F'</u>	<u>E'</u>	<u>D'</u>	<u>C'</u>	NHR070	.00096476	88.0	78.4	62.2	49.4	44.0	34.9	27.7	22.0
XB075M	.00105407	47.8	42.5	33.8	26.8	21.3	19.0	15.0	11.9	NHR075	.00090470	94.4	84.1	66.7	53.0	44.0 47.1	37.5	29.7	23.6
XB080M	.00116023	52.6	46.8	37.2	29.5	23.5	20.9	16.6	13.2										
XB085M	.00127548	57.8	51.5	40.9	32.5	25.8	23.0	18.2	14.5	NHR080	.00118785	108.3	96.5	76.6	60.8	54.1	43.0	34.1	27.1
XB095M	.00167838	76.1	67.7	53.8	42.7	34.0	30.2	24.0	19.0	NHR085	.00138122	126.0	112.2	89.1	70.7	62.9	50.0	39.7	31.6
XB100M	.00179687	81.5	72.5	57.6	45.7	36.4	32.3	25.7	20.4	<u>Item#</u>	<u>Unit Weight</u>	<u>A'</u>	<u>G'</u>	<u>F'</u>	<u>E'</u>	<u>D'</u>	<u>C'</u>	<u>B''</u>	<u>A''</u>
XB105M	.00177007	90.0	80.1	63.6	50.5	40.2	35.7	28.3	22.5	NHR090	.00140885	51.0	40.5	32.2	28.6	22.7	18.0	16.1	12.8
Superlong Sc		70.0	00.1	03.0	30.3	70.2	33.1	20.5	22.5	NHR095	.00166888	60.4	48.0	38.1	33.9	26.9	21.4	19.1	15.1
Item#	Unit Weight	D	٨	<u>G</u>	<u>E</u>	С	n	C	<u>B'</u>	NHR100	.00185103	67.0	53.2	42.3	37.6	29.8	23.7	21.2	16.8
XB040SL	.00029322	<u>B</u>	<u>A</u> 47.6	37.8	30.0	<u>E</u> 26.7	<u>D</u> 21.2	<u>(</u> 14 0		NHR105	.00205287	74.3	59.0	46.9	41.7	33.1	26.3	23.5	18.6
								16.8	15.0	NHR110	.00220548	79.8	63.4	50.4	44.8	35.5	28.2	25.2	20.0
XB045SL	.00037240	-	60.5	48.0	38.1	33.9	26.9	21.4	19.0	NHR130	.00301941	109.3	86.8	69.0	61.3	48.7	38.6	34.5	27.3
XB050SL	.00046463	-	75.4	59.9	47.5	42.3	33.6	26.7	23.7	Short Scale									
XB060SL	.00066540	-	-	85.7	68.0	60.6	48.1	38.2	34.0	Item#	Unit Weight	<u>B</u>	<u>A</u>	<u>G</u>	<u>F</u>	<u>E</u>	<u>D</u>	<u>C</u>	<u>B'</u>
XB065SL	.00079569	-	-	-	81.4	72.5	57.5	45.7	40.6	NHR045S	.00039328	55.9	44.3	35.2	27.9	24.9	1 9 .7	15.7	13.9
XB070SL	.00093218	-	-	-	95.3	84.9	67.4	53.5	47.6	NHR065S	.00080500	-	90.7	72.0	57.2	50.9	40.4	32.1	28.6
Item#	<u>Unit Weight</u>	<u>C</u>	<u>B'</u>	<u>A'</u>	<u>G'</u>	<u>F'</u>	<u>E'</u>	<u>D'</u>	<u>C'</u>	Item#	Unit Weight	С	B'	Α'	G'	F'	E'	D'	C'
XB075SL	.00104973	60.2	53.6	42.6	33.8	26.9	23.9	19.0	15.1	NHR080S	.00118785	47.3	42.1	33.5	26.6	21.1	18.8	14.9	11.8
XB080SL	.00116023	66.6	59.3	47.1	37.4	29.7	26.4	21.0	16.6	NHR100S	.00110703	73.8	65.7	52.2	41.4	32.9	29.3	23.2	18.4
XB085SL	.00133702	76.7	68.3	54.3	43.1	34.3	30.4	24.2	19.2	Medium Scal		73.0	00.7	JZ.Z	71.7	JZ. /	27.5	25.2	10.7
XB090SL	.00150177	86.2	76.7	60.9	48.4	38.5	34.2	27.1	21.5			D	٨	C	<u>E</u>	г	D	C	Di
XB095SL	.00169349	97.2	86.5	68.7	54.6	43.4	38.6	30.6	24.3	<u>Item#</u> NHR045M	<u>Unit Weight</u> .00039328	<u>В</u> 63.6	<u>A</u> 50.4	<u>G</u> 40.0		<u>E</u> 28.3	<u>D</u> 22.5	<u>C</u> 17.8	<u>B'</u> 15.9
XB100SL	.00179687	103.1	91.8	72.9	57.9	46.0	40.9	32.5	25.8						31.8				
XB105SL	.00198395	113.8	101.3	80.5	63.9	50.8	45.2	35.9	28.5	NHR065M	.00080500	-	- DI	82.0	65.0	57.9	46.0	36.5	32.5
XB110SL	.00227461	130.5	116.2	92.3	73.3	58.3	51.8	41.1	32.6	Item#	Unit Weight	<u>C</u>	<u>B'</u>	<u>A'</u>	<u>G'</u>	<u>F'</u>	<u>E'</u>	<u>D'</u>	<u>C'</u>
Item#	Unit Weight	<u>A'</u>	<u>G'</u>	<u>E'</u>	<u>E'</u>	<u>D'</u>	<u>C'</u>	<u>B''</u>	<u>A''</u>	NHR080M	.00118785	53.9	47.9	38.1	30.2	24.0	21.4	17.0	13.5
XB125SL	.00274810	111.5	88.5	70.4	62.6	4 <u>9.</u> 7	3 9 .4	35.2	27.9	NHR100M	.00185103	83.9	74.7	59.4	47.1	37.5	33.3	26.4	21.0
XB130SL	.00301941	122.5	97.3	77.4	68.8	54.6	43.3	38.7	30.6	Superlong Sc		_		•	_	_	_	•	
XB145SL	.00363204	147.4	117.0	93.1	82.7	65.6	52.1	46.5	36.9	<u>Item#</u>	<u>Unit Weight</u>	<u>B</u>	<u>A</u>	<u>G</u>	<u>F</u>	<u>E</u>	<u>D</u>	<u>C</u>	<u>B'</u>
XB125TSL	.00274810	111.5	88.5	70.4	62.6	49.7	39.4	35.2	27.9	NHR045SL	.00039328	80.5	63.8	50.7	40.2	35.8	28.4	22.6	20.1
XB12313L XB130TSL	.00274010	122.5	97.3	70.4 77.4	68.8	54.6	43.3	38.7	30.6	NHR065SL	.00080500	-	-	-	82.3	73.3	58.2	46.2	41.1
XB145TSL	.00363204		97.3 117.0	93.1	00.0 82.7	65.6		30. <i>1</i> 46.5		<u>Item#</u>	<u>Unit Weight</u>	<u>C</u>	<u>B'</u>	<u>A'</u>	<u>G'</u>	<u>F'</u>	<u>E'</u>	<u>D'</u>	<u>C'</u>
				,	02		52.1	40.3	36.9	NHR080SL	.00118785	68.2	60.7	48.2	38.3	30.4	27.1	21.5	17.0
XL - Nic	ckelplated	Round	d Wour	nd Stei	nberge	r				NHR100SL	.00185103	106.2	94.5	75.1	59.6	47.4	42.2	33.4	26.6
Long Scale					ŭ					Item#	Unit Weight	<u>A'</u>	<u>G'</u>	<u>F'</u>	<u>E'</u>	<u>D'</u>	<u>C'</u>	<u>B''</u>	<u>A''</u>
Item#	Unit Weight	<u>B</u>	<u>A</u>	<u>G</u>	<u>F</u>	<u>E</u>	<u>D</u>	<u>C</u>	<u>B'</u>	NHR130SL	.00301941	122.5	97.3	77.4	68.8	54.6	43.3	38.7	30.6
SXL045	.00037240	68.0	53.9	42.8	34.0	30.3	24.0	19.1	17.0								_		
SXL050	.00046463	84.8	67.3	53.4	42.4	37.8	30.0	23.8	21.2										
SXL065	.00079569	-	-	-	72.6	64.7	51.3	40.7	36.2										
SXL070	.00077307	_	_	_	85.0	75.7	60.1	47.7	42.5					XX//					
Item#	Unit Weight	<u>C</u>	<u>B'</u>	<u>A'</u>	<u>G'</u>	73.7 <u>E'</u>	<u>E'</u>	<u>D'</u>	<u>C'</u>				7))))) <u>)</u>	YXX//.	///				
SXL080	.00116023	59.4	<u>52.</u> 9	42.0	33.3	26.5	23.6	18.7	1 <u>6</u> 14.8)))))/ /	W///	////		/////	/////	
SXL085	.00110023	68.4	60.9	48.4	38.4	30.6	27.2	21.6	17.1				2/////	//////	/////		/////	//////	
3XLU83 CVI 100	.00133702	00.4 02.0	00.9 01.0	48.4 45.0	38.4 51.4	30.0 41.1	21.Z 26.5	21.0 20.0	17.1 22.0				=/{{\}	WHI	1111/7.	\bigcirc	111111	ШШ	

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.00198395

SXL100

SXL105

Chrome	s - Stainle	ss Ste	el Flat \	Nound						ProSteel	s - ProSte	el Rou	ınd Wo	ound (0	Cont.)				
Long Scale										<u>Item#</u>	<u>Unit Weight</u>	<u>A'</u>	<u>G'</u>	<u>E'</u>	<u>E'</u>	<u>D'</u>	<u>C'</u>	<u>B''</u>	<u>A''</u>
Item#	Unit Weight	<u>B</u>	<u>A</u>	<u>G</u>	<u>E</u>	<u>E</u>	<u>D</u>	<u>C</u>	<u>B'</u>	PSB100	.00169349	61.3	48.7	38.7	34.4	27.3	21.7	19.4	15.3
CBO40	.00032716	59.7	47.4	37.6	29.8	26.6	21.1	16.7	14.9	PSB105	.00183626	66.5	52.8	42.0	37.3	29.6	23.5	21.0	16.6
CB045 CB050	.00039763 .00047855	72.6 87.3	57.6 69.3	45.7 55.0	36.3 43.6	32.3 38.9	25.6 30.9	20.4 24.5	18.1 21.8	PSB110 PSB125	.00218579 .00263432	79.1 95.4	62.8 75.7	50.0 60.2	44.4 53.5	35.2 42.5	28.0 33.7	25.0 30.1	19.8 23.8
CB055	.00047033	103.6	82.2	65.2	51.8	46.1	36.6	29.1	25.9	PSB130	.00203432	100.4	79.7	63.4	56.4	44.7	35.5	31.7	25.1
CB060	.00070108	-	101.5	80.6	63.9	57.0	45.2	35.9	31.9	PSB145	.00327321	118.5	94.0	74.8	66.5	52.8	41.9	37.4	29.6
CB065	.00080655	-	-	92.7	73.6	65.5	52.0	41.3	36.7	Short Scale									
CB070	.00093374	-	-	107.3	85.2	75.9	60.2	47.8	42.5	<u>Item#</u>	<u>Unit Weight</u>	<u>B</u>	<u>A</u>	<u>G</u>	<u>F</u>	<u>E</u>	<u>D</u>	<u>C</u>	<u>B'</u>
<u>Item#</u>	<u>Unit Weight</u>	<u>C</u>	<u>B'</u>	<u>A'</u>	<u>G'</u>	<u>F'</u>	<u>E'</u>	<u>D'</u>	<u>C'</u>	PSB045S	.00036457	51.8	41.1	32.6	25.9	23.1	18.3	14.5	12.9
CB075	.00100553	51.5	45.8	36.4	28.9	23.0	20.4	16.2	12.9	PSB065S	.00073365	-	82.7	65.6	52.1	46.4	36.8	29.2	26.0
CB080	.00120719	61.8	55.0	43.7	34.7	27.6	24.5	19.5	15.4	Item#	Unit Weight	<u>C</u>	<u>B'</u>	<u>A'</u> 21 E	<u>G'</u>	<u>F'</u>	<u>E'</u>	<u>D'</u>	<u>C'</u> 11.1
CB085 CB090	.00138675 .00148896	71.0 76.2	63.2 67.8	50.2 53.9	39.8 42.8	31.7 34.0	28.2 30.2	22.4 24.0	17.7 19.1	PSB080S PSB100S	.00111879 .00169349	44.6 67.5	39.7 60.1	31.5 47.7	25.0 37.9	19.9 30.1	17.7 26.8	14.0 21.3	11.1 16.9
CB095	.00173288	88.7	78.9	62.7	49.8	39.6	35.2	27.9	22.2	Medium Scale		07.5	00.1	47.7	31.7	30.1	20.0	21.3	10.7
CB100	.00189041	96.8	86.1	68.4	54.3	43.2	38.4	30.5	24.2	Item#	Unit Weight	<u>B</u>	<u>A</u>	<u>G</u>	<u>E</u>	<u>E</u>	D	<u>C</u>	<u>B'</u>
CB105	.00204302	104.6	93.1	74.0	58.7	46.7	41.5	32.9	26.1	PSB045M	.00036457	58.9	46.8	37.1	29.5	26.2	20.8	16.5	14.7
CB110	.00226455	115.9	103.2	82.0	65.1	51.8	46.0	36.5	29.0	PSB065M	.00073365	-	-	74.7	59.3	52.8	41.9	33.3	29.6
<u>Item#</u>	<u>Unit Weight</u>	<u>A'</u>	<u>G'</u>	<u>F'</u>	<u>E'</u>	<u>D'</u>	<u>C'</u>	<u>B''</u>	<u>A''</u>	Item#	Unit Weight	C	B'	A'	G'	F'	E'	D'	C'
CB132	.00314193	113.7	90.3	71.8	63.8	50.6	40.2	35.9	28.4	PSB080M	.00111879	50.7	45.1	35.9	28.5	22.6	20.1	16.0	12.7
Superlong Sc		n		0	-	-	D	0	DI.	PSB100M	.00169349	76.8	68.3	54.3	43.1	34.3	30.5	24.2	19.2
<u>Item#</u> CB040SL	<u>Unit Weight</u> .00032716	<u>B</u> 66.9	<u>А</u> 53.1	<u>G</u> 42.2	<u>F</u> 33.5	<u>E</u> 29.8	<u>D</u> 23.6	<u>C</u> 18.8	<u>B'</u> 16.7	Superlong Sci Item#	ale Unit Weight	Ч	C	<u>B</u>	٨	<u>G</u>	<u>E</u>	<u>E</u>	D
CB0403L CB045SL	.00032710	81.4	64.6	51.2	33.3 40.7	36.2	28.7	22.8	20.3	PSB032SL	.00020465	<u>d</u> -	<u>c</u> 47.0	<u>u</u> 41.9	<u>А</u> 33.2	26.4	20.9	18.6	<u>D</u> 14.8
CB0433L	.00037703	-	113.8	90.3	71.7	63.9	50.7	40.2	35.8	PSB040SL	.00020403	-	-	-	47.7	37.9	30.1	26.8	21.3
CB065SL	.00080655		-	103.9	82.5	73.5	58.3	46.3	41.2	PSB045SL	.00036457	-	-	-	59.2	47.0	37.3	33.2	26.4
Item#	Unit Weight	<u>C</u>	<u>B'</u>	<u>A'</u>	<u>G'</u>	<u>F'</u>	<u>E'</u>	<u>D'</u>	<u>C'</u>	PSB050SL	.00042635	-	-	87.2	69.2	54.9	43.6	38.8	30.8
CB075SL	.00100553	57.7	51.4	40.8	32.4	25.8	22.9	18.2	14.4	<u>Item#</u>	Unit Weight	<u>E</u>	<u>E</u>	<u>D</u>	<u>C</u>	<u>B'</u>	<u>A'</u>	<u>G'</u>	<u>F'</u>
CB080SL	.00120719	69.3	61.7	49.0	38.9	30.9	27.5	21.8	17.3	PSB060SL	.00067781	69.3	61.7	49.0	38.9	34.6	27.5	21.8	17.4
CB095SL	.00173288	99.4	88.5	70.3	55.8	44.4	39.5	31.3	24.9	PSB065SL	.00073365	75.0	66.8	53.0	42.1	37.5	29.8	23.6	18.8
CB100SL	.00189041	108.5	96.6	76.7	60.9	48.4	43.1	34.2	27.1	PSB070SL	.00087014	89.0	79.3	62.9	49.9	44.4	35.3	28.0	22.3
<u>Item#</u> CB132SL	<u>Unit Weight</u> .00314193	<u>A'</u> 127.5	<u>G'</u> 101.2	<u>F'</u> 80.5	<u>E'</u> 71.6	<u>D'</u> 56.8	<u>C'</u> 45.1	<u>B''</u> 40.2	<u>A''</u> 31.9	PSB075SL PSB080SL	.00095857	98.0 -	87.3 101.9	69.3 80.9	55.0 64.2	49.0 57.1	38.9 45.4	30.9 36.0	24.6 28.7
					/1.0	30.0	43.1	40.2	31.9	PSB085SL	.00111879 .00124034	126.8	113.0	89.7	71.2	63.3	50.3	30.0 40.0	31.8
	ls - ProSte	el Rou	und VVo	ound						Item#	Unit Weight	<u>A'</u>	<u>G'</u>	<u>E'</u>	<u>E'</u>	<u>D'</u>	<u>C'</u>	<u>B''</u>	<u>A''</u>
Long Scale	Unit Maight	Ч		D	٨	C	Е	Е	n	PSB090SL	.00151382	61.4	48.8	38.8	34.5	2 7 .4	2 <u>1.</u> 7	19.4	15.4
<u>Item#</u> PSB032	<u>Unit Weight</u> .00020465	<u>d</u> 52.8	<u>c</u> 41.9	<u>В</u> 37.4	<u>A</u> 29.6	<u>G</u> 23.5	<u>E</u> 18.7	<u>E</u> 16.6	<u>D</u> 13.2	PSB095SL	.00156550	63.5	50.4	40.1	35.7	28.3	22.5	20.1	15.9
PSB040	.00020403	JZ.U -	-	53.7	42.6	33.8	26.8	23.9	19.0	PSB100SL	.00169349	68.7	54.6	43.4	38.6	30.6	24.3	21.7	17.2
PSB045	.00027107	-	_	66.5	52.8	41.9	33.2	29.6	23.5	PSB105SL	.00183626	74.5	59.1	47.0	41.8	33.2	26.3	23.5	18.6
PSB050	.00042635	-	87.3	77.8	61.7	49.0	38.9	34.6	27.5	PSB110SL	.00218579	88.7	70.4	56.0	49.8	39.5	31.4	28.0	22.2
PSB055	.00058296	-	-	-	84.4	67.0	53.2	47.4	37.6	PSB130SL	.00277435	112.6	89.4	71.1	63.2	50.1	39.8	35.5	28.1
<u>Item#</u>	<u>Unit Weight</u>	<u>E</u>	<u>E</u>	<u>D</u>	<u>C</u>	<u>B'</u>	<u>A'</u>	<u>G'</u>	<u>E'</u>										
PSB060	.00067781	61.8	55.1	43.7	34.7	30.9	24.5	19.5	15.5										
PSB065	.00073365	66.9	59.6	47.3	37.6	33.4	26.6	21.1	16.8										
PSB070 PSB075	.00087014 .00095857	79.4 87.4	70.7 77.9	56.1 61.8	44.5 49.1	39.6 43.7	31.5 34.7	25.0 27.5	19.9 21.9										
PSB080	.00093637	102.0	90.9	72.1	57.3	51.0	40.5	32.1	25.6										
PSB085	.00111077	113.1	100.8	80.0	63.5	56.5	44.9	35.6	28.3										
Item#	Unit Weight	<u>A'</u>	<u>G'</u>	<u>E'</u>	<u>E'</u>	<u>D'</u>	<u>C'</u>	<u>B''</u>	<u>A''</u>										
PSB090	.00151382	54.8	43.5	34.6	30.8	24.4	19.4	17.3	13.7										
PSB095	.00156550	56.7	45.0	35.8	31.8	25.2	20.0	17.9	14.2										

Acoustic Bass Guitar

Phosphor Bronze - Round Wound Long Scale

Long oddio									
<u>Item#</u>	Unit Weight	<u>B</u>	<u>A</u>	<u>G</u>	E	<u>E</u>	<u>D</u>	<u>C</u>	<u>B'</u>
PBB045	.00041330	-	59.8	47.5	37.7	33.6	26.6	21.2	18.8
PBB065	.00086394	-	-	-	78.8	70.2	55.7	44.2	39.4
<u>Item#</u>	Unit Weight	<u>C</u>	<u>B'</u>	<u>A'</u>	<u>G'</u>	<u>E'</u>	<u>E'</u>	<u>D'</u>	<u>C'</u>
PBB080	.00130940	67.0	59.7	47.4	37.6	29.9	26.6	21.1	16.8
PBB100	.00197902	101.3	90.2	71.6	56.9	45.2	40.2	31.9	25.3
<u>Item#</u>	Unit Weight	<u>A'</u>	<u>G'</u>	<u>E'</u>	<u>E'</u>	<u>D'</u>	<u>C'</u>	<u>B''</u>	<u>A''</u>
PBB130	.00324696	117.5	93.3	74.2	66.0	52.3	41.5	37.1	29.4
PBB080 PBB100 Item#	.00130940 .00197902 <u>Unit Weight</u>	101.3 <u>A'</u>	59.7 90.2 <u>G'</u>	47.4 71.6 <u>E'</u>	37.6 56.9 <u>E'</u>	45.2 <u>D'</u>	26.6 40.2 <u>C'</u>	21.1 31.9 <u>B''</u>	

Mandolin family strings

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Maridonii									
Item#	Unit Weight	<u>f''</u>	<u>e''</u>	<u>d''</u>	<u>c''</u>	<u>b'</u>	<u>a'</u>	<u>g'</u>	<u>f'</u>
J6201	.00002215	21.5	19.2	15.2	12.1	10.8	8.5	6.8	5.4
J6202	.00004342	42.2	37.6	29.8	23.7	21.1	16.8	13.3	10.6
Item#	Unit Weight	<u>f'</u>	<u>e'</u>	<u>d'</u>	<u>c'</u>	<u>b</u>	<u>a</u>	g	<u>f</u>
J6203	.00011024	26.8	23.9	19.0	15.0	13.4	10.6	8.4	6.7
J6204	.00022308	54.2	48.3	38.3	30.4	27.1	21.5	17.1	13.6
<u>Item#</u>	<u>Unit Weight</u>	<u>f"</u>	<u>e"</u>	<u>d''</u>	<u>c''</u>	<u>b'</u>	<u>a'</u>	<u>g'</u>	<u>f'</u>
J6701	.00002680	26.1	23.2	18.4	14.6	13.0	10.3	8.2	6.5
J6702	.00004342	42.2	37.6	29.8	23.7	21.1	16.8	13.3	10.6
<u>Item#</u>	<u>Unit Weight</u>	<u>f'</u>	<u>e'</u>	<u>d'</u>	<u>c'</u>	<u>b</u>	<u>a</u>	g	<u>f</u>
J6703	.00011462	27.9	24.8	19.7	15.6	13.9	11.1	8.8	7.0
J6704	.00027459	-	59.4	47.2	37.4	33.4	26.5	21.0	16.7

Mandolin family strings (cont.)

Item# J7401/EXP J7402/EXP Item# J7403/EXP J7404/EXP Item# J7501/EXP J7502/EXP Item# J7503/EXP J7504/EXP	Unit Weight .00002680 .00004984 Unit Weight .00013550 .00032850 Unit Weight .00002930 .00005671 Unit Weight .00013550 .00034500	f" 26.1 48.5 £ 32.9 - f" 28.5 55.1 £ 32.9	e'' 23.2 43.2 e' 29.3 - e'' 25.4 49.1 e' 29.3	d" 18.4 34.3 d' 23.3 56.5 d" 20.1 39.0 d' 23.3 59.3	c'' 14.6 27.2 c' 18.5 44.8 c'' 16.0 30.9 c' 18.5 47.1	b' 13.0 24.2 b 16.5 39.9 b' 14.2 27.6 b 16.5 41.9	a' 10.3 19.2 a 13.1 31.7 a' 11.3 21.9 a 13.1 33.3	g' 8.2 15.3 g 10.4 25.1 g' 9.0 17.4 g 10.4 26.4	f 6.5 12.1 f 8.2 20.0 f 7.1 13.8 f 8.2 21.0
Mandolin <u>Item#</u> FT7401 FT7402 <u>Item#</u> FT7403 FT7404	- Flat Top <u>Unit Weight</u> .00002680 .00005313 <u>Unit Weight</u> .00015881 .00032915	OS <u>f"</u> 26.1 - <u>f'</u> 38.6	e'' 23.2 - e' 34.4	d'' 18.4 - d' 27.3	<u>c''</u> 14.6 - <u>c'</u> 21.7 44.9	<u>b'</u> 13.0 25.8 <u>b</u> 19.3 40.0	a' 10.3 20.5 <u>a</u> 15.3 31.7	g' 8.2 16.3 g 12.2 25.2	f' 6.5 12.9 f 9.6 20.0
Mandola <u>Item#</u> J7601 J7602 <u>Item#</u> J7603 J7604	Unit Weight .00004984 .00012640 Unit Weight .00025365 .00055000	<u>b'</u> 31.7 - <u>a</u> 32.0 69.4	<u>a'</u> 25.2 - g 25.4 55.1	g' 20.0 - f 20.2 43.7	<u>f</u> 15.9 40.2 <u>e</u> 18.0 39.0	e' 14.1 35.8 d 14.3 30.9	<u>d'</u> 11.2 28.4 <u>C</u> 11.3 24.5	c' 8.9 22.6 <u>B</u> 10.1 21.9	<u>b</u> 7.9 20.1 <u>A</u> 8.0 17.4
Mandola <u>Item#</u> FT7601 FT7602 <u>Item#</u> FT7603 FT7604	- Flat Top <u>Unit Weight</u> .00005999 .00013642 <u>Unit Weight</u> .00027838 .00055787	\$\frac{b'}{38.2} \\ \frac{a}{35.2} \\ 70.4	<u>a'</u> 30.3 - g 27.9 55.9	g' 24.0 - f 22.1 44.4	f_ 19.1 43.4 <u>e</u> 19.7 39.5	e' 17.0 38.7 d 15.7 31.4	<u>d'</u> 13.5 30.7 <u>c</u> 12.4 24.9	c' 10.7 24.4 <u>B</u> 11.1 22.2	<u>b</u> 9.5 21.7 <u>A</u> 8.8 17.6
Mandoce <u>Item#</u> J7801 J7802 <u>Item#</u> J7803 J7804	Unit Weight .00011528 .00028330 Unit Weight .00056166 .00121779	<u>b</u> - - <u>A</u> 44.0 95.3	<u>a</u> 36.1 - <u>G</u> 34.9 75.7	g 28.7 - <u>E</u> 27.7 60.0	<u>f</u> 22.7 <u>E</u> 24.7 53.5	<u>e</u> 20.3 - <u>D</u> 19.6 42.4	<u>d</u> 16.1 39.5 <u>C</u> 15.5 33.7	2 12.8 31.4 <u>B'</u> 13.8 30.0	<u>B</u> 11.4 28.0 <u>A'</u> 11.0 23.8
Mandoba <u>Item#</u> J7901 J7902 <u>Item#</u> J7903 J7904	Unit Weight .00046015 .00071558 Unit Weight .00159126 .00302935	<u>B</u> 128.2 - <u>C</u> 124.3 236.6	<u>A</u> 101.7 158.1 <u>B'</u> 110.6 210.6	<u>G</u> 80.7 125.5 <u>A'</u> 87.9 167.3	<u>F</u> 64.0 99.6 <u>G'</u> 69.8 132.8	E 57.1 88.7 E' 55.5 105.6	D 45.3 70.4 E' 49.3 93.9	<u>C</u> 35.9 55.9 <u>D'</u> 39.1 74.5	<u>B'</u> 32.0 49.7 <u>C'</u> 31.1 59.2

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Boulo &	${\rm roob}$	Euq	string	Tensions

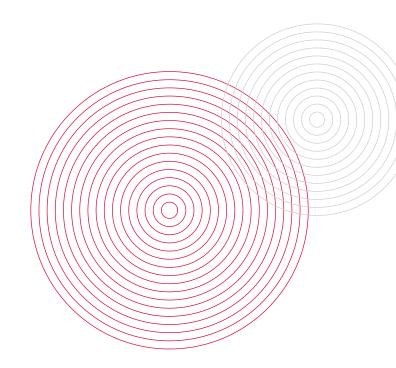
Ball En	d - Plain Ste	eel							
<u>Item#</u>	<u>Unit Weight</u>	<u>g'</u>	<u>f'</u>	<u>e'</u>	<u>d'</u>	<u>c'</u>	<u>b</u>	<u>a</u>	g
J6901B	.00001794	20.0	15.9	14.2	11.3	8.9	8.0	6.3	5.0
J6902B	.00002680	29.9	23.8	21.2	16.8	13.3	11.9	9.4	7.5
<u>Item#</u>	<u>Unit Weight</u>	<u>b</u>	<u>a</u>	g	<u>f</u>	<u>e</u>	<u>d</u>	<u>C</u>	<u>B</u>
J6903B	.00003744	16.6	13.2	10.5	8.3	7.4	5.9	4.7	4.2
J6904B	.00007830	-	27.6	21.9	17.4	15.5	12.3	9.7	8.7
<u>Item#</u>	<u>Unit Weight</u>	<u>c''</u>	<u>b'</u>	<u>a'</u>	<u>g'</u>	<u>f'</u>	<u>e'</u>	<u>d'</u>	<u>c'</u>
J6905B	.00001794	19.6	17.5	13.9	11.0	8.7	7.8	6.2	4.9
Loop E	nd - Plain S	teel							
<u>Item#</u>	<u>Unit Weight</u>	<u>a'</u>	<u>g'</u>	<u>f'</u>	<u>e'</u>	<u>d'</u>	<u>c'</u>	<u>b</u>	<u>a</u>
LE008	.00001418	20.0	15.8	12.6	11.2	8.9	7.1	6.3	5.0
LE009	.00001794	-	20.0	15.9	14.2	11.3	8.9	8.0	6.3
LE010	.00002215	-	24.7	19.6	17.5	13.9	11.0	9.8	7.8
LE011	.00002680	-	29.9	23.8	21.2	16.8	13.3	11.9	9.4
LE012	.00003190	-	35.6	28.3	25.2	20.0	15.9	14.1	11.2
Item#	<u>Unit Weight</u>	<u>f'</u>	<u>e'</u>	<u>d'</u>	<u>c'</u>	<u>b</u>	<u>a</u>	g	<u>f</u>
LE013	.00003744	33.2	29.6	23.5	18.6	16.6	13.2	10.5	8.3
LE014	.00004342	38.5	34.3	27.2	21.6	19.2	15.3	12.1	9.6
LE015	.00004984	44.2	39.4	31.3	24.8	22.1	17.5	13.9	11.0
LE016	.00005671	50.3	44.8	35.6	28.2	25.1	20.0	15.8	12.6
LE017	.00006402	56.8	50.6	40.1	31.9	28.4	22.5	17.9	14.2
LE018	.00007177	63.6	56.7	45.0	35.7	31.8	25.3	20.0	15.9
Loop E	nd - Nickel	plated	Steel	Round	Wound	b			
Item#	Unit Weight	. c'	b	а	a	f	е	d	C.

Loop Life - Nickelplated Steel Roulid Woulid	Loop End -	Nickelplated Steel Round Wound
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Unit Weight	<u>c'</u>	<u>b</u>	<u>a</u>	<u>g</u>	<u> </u>	<u>e</u>	<u>d</u>	<u>C</u>
.00006003	-	26.6	21.1	16.8	13.3	11.9	9.4	7.5
.00007282	-	-	25.6	20.3	16.1	14.4	11.4	9.1
.00008879	-	39.3	31.2	24.8	19.7	17.5	13.9	11.0
.00009739	-	43.2	34.3	27.2	21.6	19.2	15.3	12.1
.00010857	-	-	38.2	30.3	24.1	21.4	17.0	13.5
<u>Unit Weight</u>	g	<u>f</u>	<u>e</u>	<u>d</u>	<u>C</u>	<u>B</u>	<u>A</u>	<u>G</u>
.00012316	34.4	27.3	24.3	19.3	15.3	13.7	10.8	8.6
.00014311	40.0	31.7	28.3	22.4	17.8	15.9	12.6	10.0
.00016792	46.9	37.2	33.2	26.3	20.9	18.6	14.8	11.7
.00018902	52.8	41.9	37.3	29.6	23.5	21.0	16.6	13.2
.00021145	-	46.9	41.7	33.1	26.3	23.4	18.6	14.8
.00023520	-	52.1	46.4	36.8	29.3	26.1	20.7	16.4
.00026026	-	-	51.4	40.8	32.4	28.9	22.9	18.2
.00028933	-	64.1	57.1	45.3	36.0	32.1	25.5	20.2
.00031703	-	70.3	62.6	49.7	39.4	35.2	27.9	22.1
<u>Unit Weight</u>	<u>d</u>	<u>C</u>	<u>B</u>	<u>A</u>	<u>G</u>	<u>E</u>	<u>E</u>	<u>D</u>
.00034606	54.2	43.0	38.4	30.4	24.2	19.2	17.1	13.6
.00037640	59.0	46.8	41.7	33.1	26.3	20.9	18.6	14.7
.00040806	63.9	50.8	45.2	35.9	28.5	22.6	20.1	16.0
.00042438	66.5	52.8	47.1	37.3	29.6	23.5	20.9	16.6
.00047533	-	59.1	52.7	41.8	33.2	26.3	23.5	18.6
.00053073	83.1	66.0	58.8	46.7	37.1	29.4	26.2	20.8
.00056832	-	70.7	63.0	50.0	39.7	31.5	28.1	22.3
.00063211	99.0	78.6	70.1	55.6	44.1	35.0	31.2	24.8
	Unit Weight .00006003 .00007282 .00008879 .00009739 .00010857 Unit Weight .00012316 .00014311 .00016792 .00028932 .00028933 .00031703 Unit Weight .00034606 .00037640 .00042438 .00047533 .00053073	.0000600300007282000088790000973900010857 - Unit Weight g .00012316 34.4 .00014311 40.0 .00016792 46.9 .00018902 52.8 .0002114500023520000260260002893300031703 - Unit Weight d .00034606 54.2 .00037640 59.0 .00040806 63.9 .00042438 66.5 .0004753300053073 83.1 .00056832 -	Unit Weight c' b .00006003 - 26.6 .00007282 - - .00008879 - 39.3 .00010857 - - Unit Weight g f .00012316 34.4 27.3 .00014311 40.0 31.7 .00016792 46.9 37.2 .00018902 52.8 41.9 .00021145 - 46.9 .00023520 - 52.1 .00026026 - - .00028933 - 64.1 .00031703 - 70.3 Unit Weight d c .00034606 54.2 43.0 .00049806 63.9 50.8 .00042438 66.5 52.8 .00047533 - 59.1 .00056832 - 70.7	Unit Weight c' b a .00006003 - 26.6 21.1 .00007282 - - 25.6 .00008879 - 39.3 31.2 .00009739 - 43.2 34.3 .00010857 - - 38.2 Unit Weight g f e .00012316 34.4 27.3 24.3 .00014311 40.0 31.7 28.3 .00016792 46.9 37.2 33.2 .00018902 52.8 41.9 37.3 .00021145 - 46.9 41.7 .00023520 - 52.1 46.4 .00026026 - - 51.4 .00037703 - 70.3 62.6 Unit Weight d c B .00034606 54.2 43.0 38.4 .00037640 59.0 46.8 41.7 .00042438 66.5 52.8	Unit Weight c' b a g .00006003 - 26.6 21.1 16.8 .00007282 - - 25.6 20.3 .00008879 - 39.3 31.2 24.8 .00009739 - 43.2 34.3 27.2 .00010857 - - 38.2 30.3 Unit Weight g f e d .00012316 34.4 27.3 24.3 19.3 .00014311 40.0 31.7 28.3 22.4 .00016792 46.9 37.2 33.2 26.3 .00018902 52.8 41.9 37.3 29.6 .00021145 - 46.9 41.7 33.1 .00023520 - 52.1 46.4 36.8 .00028933 - 64.1 57.1 45.3 .00031703 - 70.3 62.6 49.7 Unit Weight d c <t< td=""><td>Unit Weight c' b a g f .00006003 - 26.6 21.1 16.8 13.3 .00007282 - - 25.6 20.3 16.1 .00008879 - 39.3 31.2 24.8 19.7 .00009739 - 43.2 34.3 27.2 21.6 .00010857 - - 38.2 30.3 24.1 Unit Weight g f e d c .00012316 34.4 27.3 24.3 19.3 15.3 .00014311 40.0 31.7 28.3 22.4 17.8 .00016792 46.9 37.2 33.2 26.3 20.9 .00018902 52.8 41.9 37.3 29.6 23.5 .0002150- - 52.1 46.4 36.8 29.3 .00023520 - 52.1 46.4 36.8 29.3 .0003703 - 70</td><td>Unit Weight c' b a g f e .00006003 - 26.6 21.1 16.8 13.3 11.9 .00007282 - - 25.6 20.3 16.1 14.4 .00008879 - 39.3 31.2 24.8 19.7 17.5 .00009739 - 43.2 34.3 27.2 21.6 19.2 .00010857 - - 38.2 30.3 24.1 21.4 Unit Weight g f e d c B .00012316 34.4 27.3 24.3 19.3 15.3 13.7 .00014311 40.0 31.7 28.3 22.4 17.8 15.9 .00018902 52.8 41.9 37.3 29.6 23.5 21.0 .0002145 - 46.9 41.7 33.1 26.3 23.4 .00023520 - 52.1 46.4 36.8 29.3</td><td>Unit Weight c' b a g f e d .00006003 - 26.6 21.1 16.8 13.3 11.9 9.4 .00007282 - - 25.6 20.3 16.1 14.4 11.4 .00008879 - 39.3 31.2 24.8 19.7 17.5 13.9 .00010857 - - 38.2 30.3 24.1 21.4 17.0 Unit Weight g f e d c B A .00012316 34.4 27.3 24.3 19.3 15.3 13.7 10.8 .00014311 40.0 31.7 28.3 22.4 17.8 15.9 12.6 .00018902 52.8 41.9 37.3 29.6 23.5 21.0 16.6 .00023520 - 52.1 46.4 36.8 29.3 26.1 20.7 .00026026 - - 51.4</td></t<>	Unit Weight c' b a g f .00006003 - 26.6 21.1 16.8 13.3 .00007282 - - 25.6 20.3 16.1 .00008879 - 39.3 31.2 24.8 19.7 .00009739 - 43.2 34.3 27.2 21.6 .00010857 - - 38.2 30.3 24.1 Unit Weight g f e d c .00012316 34.4 27.3 24.3 19.3 15.3 .00014311 40.0 31.7 28.3 22.4 17.8 .00016792 46.9 37.2 33.2 26.3 20.9 .00018902 52.8 41.9 37.3 29.6 23.5 .0002150- - 52.1 46.4 36.8 29.3 .00023520 - 52.1 46.4 36.8 29.3 .0003703 - 70	Unit Weight c' b a g f e .00006003 - 26.6 21.1 16.8 13.3 11.9 .00007282 - - 25.6 20.3 16.1 14.4 .00008879 - 39.3 31.2 24.8 19.7 17.5 .00009739 - 43.2 34.3 27.2 21.6 19.2 .00010857 - - 38.2 30.3 24.1 21.4 Unit Weight g f e d c B .00012316 34.4 27.3 24.3 19.3 15.3 13.7 .00014311 40.0 31.7 28.3 22.4 17.8 15.9 .00018902 52.8 41.9 37.3 29.6 23.5 21.0 .0002145 - 46.9 41.7 33.1 26.3 23.4 .00023520 - 52.1 46.4 36.8 29.3	Unit Weight c' b a g f e d .00006003 - 26.6 21.1 16.8 13.3 11.9 9.4 .00007282 - - 25.6 20.3 16.1 14.4 11.4 .00008879 - 39.3 31.2 24.8 19.7 17.5 13.9 .00010857 - - 38.2 30.3 24.1 21.4 17.0 Unit Weight g f e d c B A .00012316 34.4 27.3 24.3 19.3 15.3 13.7 10.8 .00014311 40.0 31.7 28.3 22.4 17.8 15.9 12.6 .00018902 52.8 41.9 37.3 29.6 23.5 21.0 16.6 .00023520 - 52.1 46.4 36.8 29.3 26.1 20.7 .00026026 - - 51.4

Loop End - Phosphor Bronze Round Wound

<u>Item#</u>	<u>Unit Weight</u>	<u>b</u>	<u>a</u>	g	<u>f</u>	<u>e</u>	<u>d</u>	<u>C</u>	<u>B</u>
LE018PB	.00006835	-	-	19.1	15.1	13.5	10.7	8.5	7.6
LE020PB	.00007894	-	27.8	22.0	17.5	15.6	12.4	9.8	8.8
LE022PB	.00009571	-	33.7	26.7	21.2	18.9	15.0	11.9	10.6
LE023PB	.00010471	-	36.8	29.2	23.2	20.7	16.4	13.0	11.6
LE024PB	.00011352	-	39.9	31.7	25.2	22.4	17.8	14.1	12.6
Item#	<u>Unit Weight</u>	<u>f</u>	<u>e</u>	<u>d</u>	<u>C</u>	<u>B</u>	<u>A</u>	<u>G</u>	<u>E</u>
LE026PB	.00013285	29.4	26.2	20.8	16.5	14.7	11.7	9.3	7.4
LE028PB	.00015514	34.4	30.6	24.3	19.3	17.2	13.6	10.8	8.6
LE030PB	.00018215	40.4	36.0	28.5	22.7	20.2	16.0	12.7	10.1
LE032PB	.00020573	45.6	40.6	32.2	25.6	22.8	18.1	14.4	11.4
LE034PB	.00023532	-	46.5	36.9	29.3	26.1	20.7	16.4	13.0
LE036PB	.00026350	58.4	52.0	41.3	32.8	29.2	23.2	18.4	14.6
LE038PB	.00029110	-	-	45.6	36.2	32.3	25.6	20.3	16.1
LE040PB	.00032463	-	64.1	50.9	40.4	36.0	28.6	22.7	18.0
LE042PB	.00036248	-	-	56.8	45.1	40.2	31.9	25.3	20.1
Item#	<u>Unit Weight</u>	<u>d</u>	<u>C</u>	<u>B</u>	<u>A</u>	<u>G</u>	<u>F</u>	<u>E</u>	<u>D</u>
LE045PB	.00041278	64.7	51.3	45.8	36.3	28.8	22.9	20.4	16.2
LE047PB	.00044815	-	55.7	49.7	39.4	31.3	24.8	22.1	17.6
LE049PB	.00048575	-	60.4	53.9	42.7	33.9	26.9	24.0	19.0
LE052PB	.00054457	85.3	67.7	60.4	47.9	38.0	30.2	26.9	21.3
LE053PB	.00056386	-	70.1	62.5	49.6	39.4	31.2	27.8	22.1
LE056PB	.00062711	-	78.0	69.5	55.2	43.8	34.7	31.0	24.6
LE059PB	.00069554	109.0	86.5	77.1	61.2	48.6	38.5	34.3	27.2





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