Casting House Design Guide



Table of Contents

RINGS & BANDS

Anatomy of a Ring	4			
Wedding Bands	5			
Shank Designs	6			
Center Settings / Gallery Styles	7			
JEWELRY ESSENTIALS				
Pendants & Bails	9			
Chain Styles	10			
Clasp Styles	11			
Bracelet Styles	12			
SETTING STYLES & FINISHES				
Melee Setting Styles	14			
Decorative Styles & Metal Finishes	15			
Halo Styles	16			
SAMPLE ORDER FORMS				
Engagement Ring Sample	19			
Diamond Pendant Sample	20			
REFERENCE				
Anatomy Of A Diamond / Stone Cuts	22			
Stone Size Chart				
General Reference Sheet				

How To Use This Book

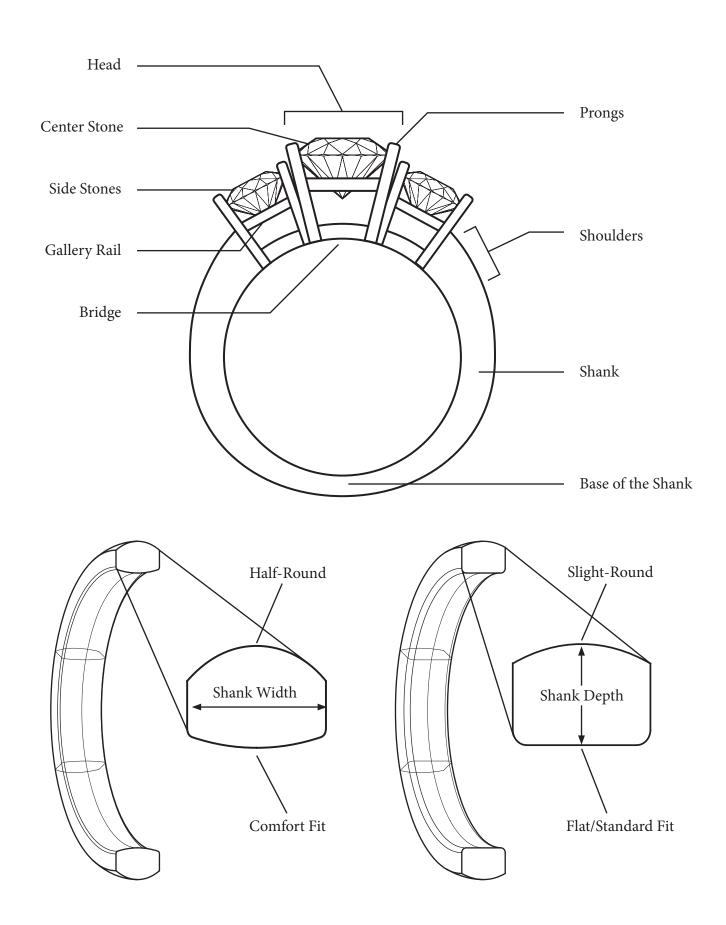
This book is meant to serve two purposes: to help us better communicate with our customers about custom design, and to help our designers understand customer orders more clearly.

Use this as a guide to walk prospective customers through their options when designing their jewelry. You'll find that all the terms used throughout are industry standard, and using common terms will make it much easier to communicate your design to the Casting House customer service representatives.

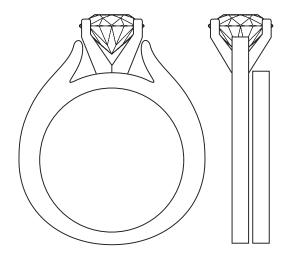
For more information, call us at 1-877-927-CAST (2278)

Rings & Bands

Anatomy of a Ring

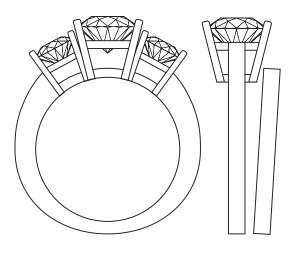


Wedding Bands



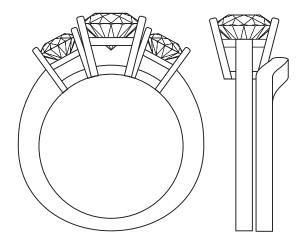
Flush Wedding Band

A flat Matching Band will sit flush to an Engagement Ring designed with enough space below the head.



Straight Wedding Band for a Large Gallery Head

A straight band will not sit flush to an Engagement Ring with a large protruding head.



Shadow Wedding Band

For a matching band to sit flush to a Large Gallery Head, a Shadow Band is often made which conforms to the profile of the Engagement Ring.

Shank Designs



Straight Shank



Tapered Shank



Knife-Edge Shank



Bypass Shank



Split Shank



Pinched Shank



Cathedral



Euro Shank

Center Settings / Gallery Styles



Basket



Double Prong Basket



Claw Prong Basket



Bezel



Split-Bezel



Bar



4-Prong Peg Head



6-Prong Peg Head



V-Prong Peg Head





3-stone

Jewelry Essentials

Pendants & Bails



Bezel Set Pendant with Standard Bail



Shared Prong Cluster Pendant with Jump Ring Bail

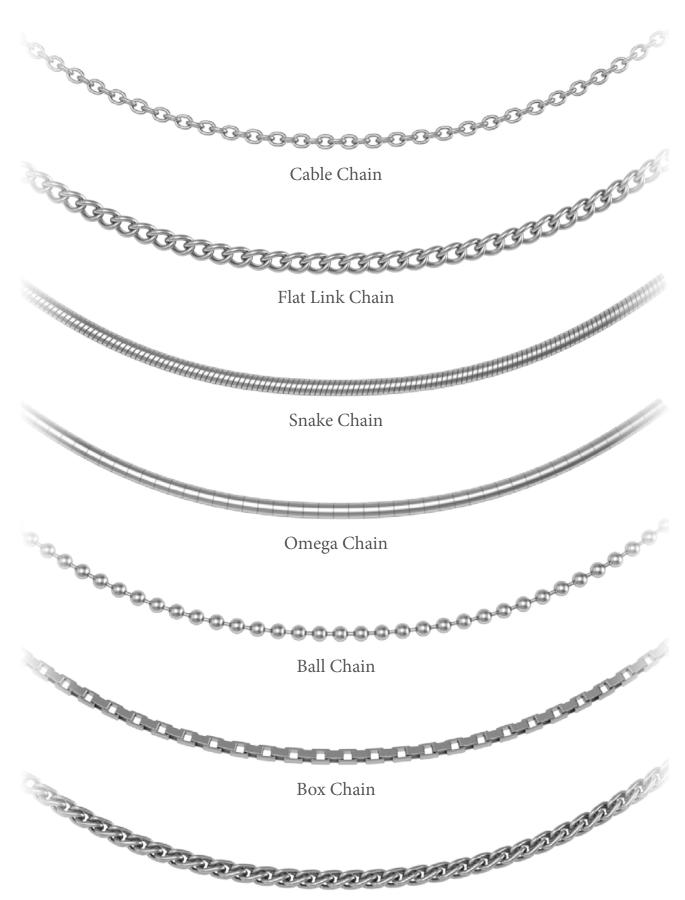


French V Split Halo Pendant with Hidden Bail



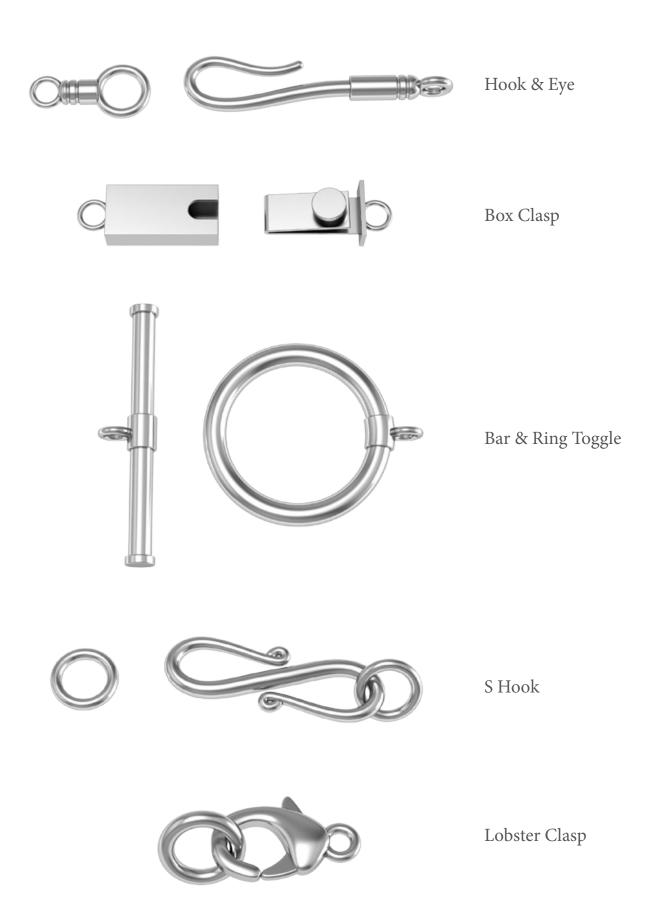
Basket Pendant with Rabbit Ear Bail

Chain Styles



Wheat Chain

Clasp Styles



Bracelet Styles



Bangle



Cuff



Chain

Setting Styles & Finishes

Melee Setting Styles



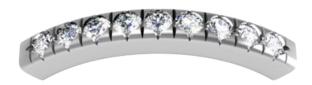
Bead Bright Setting



Scallop Setting



Channel Setting



Fishtail Setting



Flush Setting



Pavé Setting (3 or more rows of diamonds)



Surface Prong Setting



Shared Prong Setting



Bar Set



Bezel Set



Delicate French V Split

Decorative Details & Metal Finishes



Recessed/Relief Design



High Polished



Milgrain Detailing



Brushed / Satin Finish



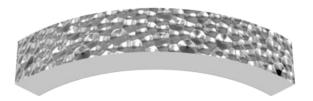
Resin Inlay



Bead Blasted / Matte Finish



Engraving



Hammered Finish



Scrollwork Design

Halo Styles

Sharp-Corner Halo



Cut-Corner Halo







Bead Bright Setting





Surface Prong Setting





Scallop Prong Setting



Halo Styles

Sharp-Corner Halo



Cut-Corner Halo







Bead Bright Setting & Bezel Set Center







Delicate French V Split Setting

Sample Order Forms

Engagement Ring Sample



CUSTOM DESIGN ORDER FORM	
FORM 1 OF (kindly use one form per design and additional forms for matching weddi	ing bands and other designs)
GENERAL INFORMATION	The second secon
Customer Name: Your Store Customer Job #: POOSI 101SD Ca	asting House Job #: <u>4326</u> 7
DESIGN INFORMATION	- 1/2
CAD Design or Hand Carved Wax: (circle/highlight): CAD HAND Catalog Ref	ference #: N/A
Finger Size: Wax Approval (circle/highlight): 🕎 N Molding (ci	ircle/highlight): Y N
Metal Type (circle/highlight): 14W 18W 14Y 18Y PT900 PT950 PD95	Other/Undecided:
Design Type (circle/highlight): WB ENG RING OTHER (list):	
Shank Type: ROUND EURO OTHER (list):	side stres plus
Diamond Configuration (circle/highlight): NONE/SOLITAIRE ETERNITY HALF O	THER (list): 3/4 clown Shant
Special Instructions / "Flower Bud" Engagement Ring w Claw Set (4 prongs) (enter, Bezel Side d'amonds and 1.3mm scalled	Lct RB Basket Single
GEMSTONE DETAIL: Gemstones Enclosed (circle/highlight): (Y) N Supply AA diamon	I melee.
Center Gemstone:	
Cust Gem: N Shape: Round Measurements: 6.5mm	Setting Type: Single Claw
Side Gemstones and Mellee:	4 prongs
Cust Gem: Y (N) Shape: (2004) Measurements: 2 Num - AA	Setting Type: Bezel W Hile
Cust Gem: Y (N) Shape: Lound Measurements: 1.3 mm - AA	Setting Type: Sallop
Cust Gem: Y N Shape: Measurements:	Setting Type:
PROFILES (draw AND <u>list measurements)</u>	
Top Through Finger	Side Comment your
i i i i i i i i i i i i i i i i i i i	
Thiodgittinger	- Car
Thiodgir ingel	Row W.
THOUGHT HIGH	and sur to the
THOUGHT HIGH	migrin Revels
	mount seeds
	mount of seeds
	month seeds somm
INTERNAL USE ONLY CAD LEVEL (circle/highlight): 1 2 3 4 GROW LEVEL: S M L XI	migun Resels 20 mm

Casting House

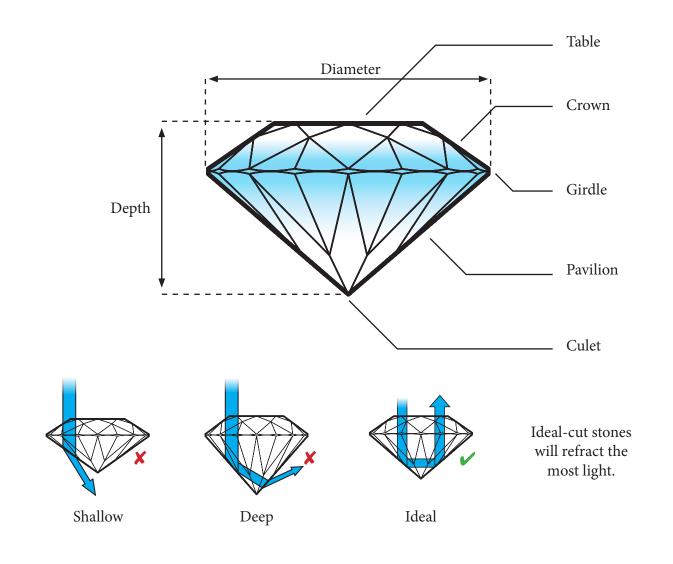
Diamond Pendant Sample

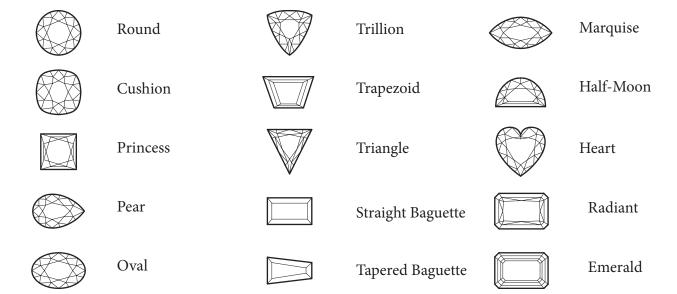


	С	USTOM DESIGN ORDER FORM	
FORM 1 OF __ (ki	ndly use one form per	design and additional forms for matching wedding be	ands and other designs)
GENERAL INFORMATI			
Customer Name: 400	ur Stove	Customer Job #: PO6911125 D Casting	g House Job #: <u>443261</u>
DESIGN INFORMATION	u		
		ighlight): CAD HAND Catalog Referen	ce#: N/A
			highlight): Y(N)
Metal Type (circle/highlighting		18W 14Y 18Y PT900 PT950 PD950 C	
		RING OTHER (list): Agnamarine	
			- < Diamond fendant
		(list): NA	2.172
Diamond Configuration (IONE/SOLITAIRE ETERNITY HALF OTHER	
Special Instructions /	Delicate 7	Pear Shaped "Floating" agua of rings between each "halo"	with outer halo
Additional Description:	14KW jums	o rings between each "hald"	allow for move mei
	Dease Str	ing on 14Kw cable chain u	with lobster class
GEMSTONE DETAIL:	\	ring on 14 Kw Cable chain w - Standard bail	,
Gemstones Enclosed (c		/) N	
Center Gemstone:			Basket wir
Cust Gem: (Y) N	Shape: Pear	Measurements: 8 k 5 mm	Setting Type: V-Toron q
Side Semeters and M			
Side Gemstones and Me Cust Gem: Y (N)		Measurements: \u_m	Sotting Type: Cult Care
	Shape: 20und	Measurements: M M	Setting Type: Surface
			Setting Type:
Cust Gem: Y N	Shape:	Measurements:	Setting Type:
PROFILES (draw AND	list measurements	5)	
Тор		Lowslaveleap (white services ching services chings	de -
		Connected hald will v promy to hald perful perful connected tupening to hald connected tupening to hald connected tupening to hald connected tupening to have the hald connected tupening to hald connected tupening tupeni	
INTERNAL USE ONLY			

Reference

Anatomy Of A Diamond / Stone Cuts





Stone Size Chart

carat weight:	.25	.50	.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	4.00
Q 10 5			///N	ASA.	<i>6</i> 26	<i>6</i> 20	<i>6</i> 20	APA.		AFRA.		a Pa	APA
ROUND 5						8			8.0				
≃ mm:	4.10	5.20	5.90	6.50	7.00	7.40	7.80	8.20	8.50	8.80	9.10	9.40	10.40
S 10													
PRINCESS		XX											
₹ mm:	3.40	4.35	4.95	5.50	6.00	6.50	7.00	7.50	7.75	8.00	8.15	8.30	9.00
10								<i>a</i>	100	AD.		AQA.	(A)
OVAL 2	6	0	8	8	8	-0-				-0-		$- \bigcirc -$	
O 0 mm:	5.00	6.00	6.50	7.00	7.50	8.00	8.25	8.50	8.75	9.00	9.50	10.00	11.00
ш 15													A
MARQUISE 0 2 0 5		Δ.		<i>A</i>	2	A				- A	- A	- AN	-88
ARQ 5		-0				-80-		-W-		-		-	
Σ mm:	5.00	8.00	9.00	10.00	10.50	11.00	11.50	12.00	12.50	13.00	13.50	14.00	16.00
15													
PEAR 2			AND.	/620	<i>6</i> 20	AA	(A)	A A	(A)	(A)	A A		
5 5	Ů.	0	0	W	V	W	*		1	W.	W	W	W
mm:	4.50	6.00	7.00	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50	12.00	14.00
Z 10							10744-10	4254	025h	ATSA.	AZSA	AS A	AOA.
NOIHSON mm:													
Ö mm:	3.40	4.35	4.95	5.50	6.00	6.50	7.00	7.50	7.75	8.00	8.15	8.30	9.00
Q 10						4-4	Δ Δ	A A	A A		4		
EMERALD	1	П											
	5.00	6.00	6.50	7.00	7.50	8.00	8.25	8.50	8.75	9.00	9.50	10.00	11.00
ec 10													
芳 5		0-0		- 9									
ASS mm:	3.40	4.35	4.95	5.50	6.00	6.50	7.00	7.50	7.75	8.00	8.15	8.30	9.00
NA 2		Greek)		17-7		TT	N V	77	T		T		- (X - X)
RADIANT 9 2 0	3.90	4.90	5.60	6.20	6.65	7.00	7.40	7.80	8.10	8.35	8.65	8.90	9.90
			2.00	3.20	3.00				5.,0	5.55	3.00	3.70	
HEART 0		Q~0	A×8	88		88	848	89	88	89	83	83	\$ B
当。	4.00	5.00	500	(50	-	7.00	7.50	0.00	0.05	0.50	0.75	9.00	10.00
mm:	4.00	5.00	5.80	6.50	6.75	7.00	7.50	8.00	8.25	8.50	8.75	9.00	10.00

General Reference Sheet

Carats to Millimeters Conversion Chart for Round Diamonds

0.005 1.0 1.25 7.0 0.0067 1.15 1.33 7.2 0.01 1.3 1.50 7.4 0.015 1.5 1.60 7.6 0.02 1.7 1.75 7.8 0.025 1.8 1.90 8.0 0.03 2.0 2.00 8.2 0.035 2.1 2.15 8.4 0.04 2.2 2.25 8.6 0.05 2.4 2.50 8.8 0.06 2.5 2.65 9.0 0.07 2.7 2.85 9.2 0.08 2.8 3.00 9.4 0.09 2.9 3.15 9.6 0.10 3.0 3.35 9.8 0.11 3.1 3.50 10.0 0.12 3.2 3.75 10.2 0.14 3.3 4.00 10.4 0.15 3.4 4.25 10.6 0.16	Round Diamonds						
0.0067 1.15 1.33 7.2 0.01 1.3 1.50 7.4 0.015 1.5 1.60 7.6 0.02 1.7 1.75 7.8 0.025 1.8 1.90 8.0 0.03 2.0 2.00 8.2 0.035 2.1 2.15 8.4 0.04 2.2 2.25 8.6 0.05 2.4 2.50 8.8 0.06 2.5 2.65 9.0 0.07 2.7 2.85 9.2 0.08 2.8 3.00 9.4 0.09 2.9 3.15 9.6 0.10 3.0 3.35 9.8 0.11 3.1 3.50 10.0 0.12 3.2 3.75 10.2 0.14 3.3 4.00 10.4 0.15 3.4 4.25 10.6 0.16 3.5 4.50 10.8 0.17	CTS	MM	CTS	MM			
0.01 1.3 1.50 7.4 0.015 1.5 1.60 7.6 0.02 1.7 1.75 7.8 0.025 1.8 1.90 8.0 0.03 2.0 2.00 8.2 0.035 2.1 2.15 8.4 0.04 2.2 2.25 8.6 0.05 2.4 2.50 8.8 0.06 2.5 2.65 9.0 0.07 2.7 2.85 9.2 0.08 2.8 3.00 9.4 0.09 2.9 3.15 9.6 0.10 3.0 3.35 9.8 0.11 3.1 3.50 10.0 0.12 3.2 3.75 10.2 0.14 3.3 4.00 10.4 0.15 3.4 4.25 10.6 0.16 3.5 4.50 10.8 0.17 3.6 4.75 11.0 0.18 <	0.005	1.0	1.25	7.0			
0.015 1.5 1.60 7.6 0.02 1.7 1.75 7.8 0.025 1.8 1.90 8.0 0.03 2.0 2.00 8.2 0.035 2.1 2.15 8.4 0.04 2.2 2.25 8.6 0.05 2.4 2.50 8.8 0.06 2.5 2.65 9.0 0.07 2.7 2.85 9.2 0.08 2.8 3.00 9.4 0.09 2.9 3.15 9.6 0.10 3.0 3.35 9.8 0.11 3.1 3.50 10.0 0.12 3.2 3.75 10.2 0.14 3.3 4.00 10.4 0.15 3.4 4.25 10.6 0.16 3.5 4.50 10.8 0.17 3.6 4.75 11.0 0.18 3.7 5.00 11.2 0.23	0.0067	1.15	1.33	7.2			
0.02 1.7 1.75 7.8 0.025 1.8 1.90 8.0 0.03 2.0 2.00 8.2 0.035 2.1 2.15 8.4 0.04 2.2 2.25 8.6 0.05 2.4 2.50 8.8 0.06 2.5 2.65 9.0 0.07 2.7 2.85 9.2 0.08 2.8 3.00 9.4 0.09 2.9 3.15 9.6 0.10 3.0 3.35 9.8 0.11 3.1 3.50 10.0 0.12 3.2 3.75 10.2 0.14 3.3 4.00 10.4 0.15 3.4 4.25 10.6 0.16 3.5 4.50 10.8 0.17 3.6 4.75 11.0 0.18 3.7 5.00 11.2 0.23 4.0 5.75 11.7 0.25	0.01	1.3	1.50	7.4			
0.025 1.8 1.90 8.0 0.03 2.0 2.00 8.2 0.035 2.1 2.15 8.4 0.04 2.2 2.25 8.6 0.05 2.4 2.50 8.8 0.06 2.5 2.65 9.0 0.07 2.7 2.85 9.2 0.08 2.8 3.00 9.4 0.09 2.9 3.15 9.6 0.10 3.0 3.35 9.8 0.11 3.1 3.50 10.0 0.12 3.2 3.75 10.2 0.14 3.3 4.00 10.4 0.15 3.4 4.25 10.6 0.16 3.5 4.50 10.8 0.17 3.6 4.75 11.0 0.18 3.7 5.00 11.2 0.20 3.8 5.25 11.4 0.23 4.0 5.75 11.7 0.25	0.015	1.5	1.60	7.6			
0.03 2.0 2.00 8.2 0.035 2.1 2.15 8.4 0.04 2.2 2.25 8.6 0.05 2.4 2.50 8.8 0.06 2.5 2.65 9.0 0.07 2.7 2.85 9.2 0.08 2.8 3.00 9.4 0.09 2.9 3.15 9.6 0.10 3.0 3.35 9.8 0.11 3.1 3.50 10.0 0.12 3.2 3.75 10.2 0.14 3.3 4.00 10.4 0.15 3.4 4.25 10.6 0.16 3.5 4.50 10.8 0.17 3.6 4.75 11.0 0.18 3.7 5.00 11.2 0.20 3.8 5.25 11.4 0.22 3.9 5.50 11.6 0.23 4.0 5.75 11.73 0.25	0.02	1.7	1.75	7.8			
0.035 2.1 2.15 8.4 0.04 2.2 2.25 8.6 0.05 2.4 2.50 8.8 0.06 2.5 2.65 9.0 0.07 2.7 2.85 9.2 0.08 2.8 3.00 9.4 0.09 2.9 3.15 9.6 0.10 3.0 3.35 9.8 0.11 3.1 3.50 10.0 0.12 3.2 3.75 10.2 0.14 3.3 4.00 10.4 0.15 3.4 4.25 10.6 0.16 3.5 4.50 10.8 0.17 3.6 4.75 11.0 0.18 3.7 5.00 11.2 0.20 3.8 5.25 11.4 0.22 3.9 5.50 11.6 0.23 4.0 5.75 11.73 0.25 4.1 5.81 11.8 0.33	0.025	1.8	1.90	8.0			
0.04 2.2 2.25 8.6 0.05 2.4 2.50 8.8 0.06 2.5 2.65 9.0 0.07 2.7 2.85 9.2 0.08 2.8 3.00 9.4 0.09 2.9 3.15 9.6 0.10 3.0 3.35 9.8 0.11 3.1 3.50 10.0 0.12 3.2 3.75 10.2 0.14 3.3 4.00 10.4 0.15 3.4 4.25 10.6 0.16 3.5 4.50 10.8 0.17 3.6 4.75 11.0 0.18 3.7 5.00 11.2 0.20 3.8 5.25 11.4 0.22 3.9 5.50 11.6 0.23 4.0 5.75 11.7 0.25 4.1 5.81 11.8 0.33 4.4 6.25 12.1 0.35	0.03	2.0	2.00	8.2			
0.05 2.4 2.50 8.8 0.06 2.5 2.65 9.0 0.07 2.7 2.85 9.2 0.08 2.8 3.00 9.4 0.09 2.9 3.15 9.6 0.10 3.0 3.35 9.8 0.11 3.1 3.50 10.0 0.12 3.2 3.75 10.2 0.14 3.3 4.00 10.4 0.15 3.4 4.25 10.6 0.16 3.5 4.50 10.8 0.17 3.6 4.75 11.0 0.18 3.7 5.00 11.2 0.20 3.8 5.25 11.4 0.22 3.9 5.50 11.6 0.23 4.0 5.75 11.75 0.25 4.1 5.81 11.8 0.30 4.2 6.00 11.9 0.33 4.4 6.25 12.1 0.35	0.035	2.1	2.15	8.4			
0.06 2.5 2.65 9.0 0.07 2.7 2.85 9.2 0.08 2.8 3.00 9.4 0.09 2.9 3.15 9.6 0.10 3.0 3.35 9.8 0.11 3.1 3.50 10.0 0.12 3.2 3.75 10.2 0.14 3.3 4.00 10.4 0.15 3.4 4.25 10.6 0.16 3.5 4.50 10.8 0.17 3.6 4.75 11.0 0.18 3.7 5.00 11.2 0.20 3.8 5.25 11.4 0.22 3.9 5.50 11.6 0.23 4.0 5.75 11.73 0.25 4.1 5.81 11.8 0.30 4.2 6.00 11.9 0.33 4.4 6.25 12.1 0.35 4.5 7.00 12.5 0.38	0.04	2.2	2.25	8.6			
0.07 2.7 2.85 9.2 0.08 2.8 3.00 9.4 0.09 2.9 3.15 9.6 0.10 3.0 3.35 9.8 0.11 3.1 3.50 10.0 0.12 3.2 3.75 10.2 0.14 3.3 4.00 10.4 0.15 3.4 4.25 10.6 0.16 3.5 4.50 10.8 0.17 3.6 4.75 11.0 0.18 3.7 5.00 11.2 0.20 3.8 5.25 11.4 0.22 3.9 5.50 11.6 0.23 4.0 5.75 11.7 0.25 4.1 5.81 11.8 0.30 4.2 6.00 11.9 0.33 4.4 6.25 12.1 0.35 4.5 7.00 12.5 0.38 4.6 7.50 12.8 0.40	0.05	2.4	2.50	8.8			
0.08 2.8 3.00 9.4 0.09 2.9 3.15 9.6 0.10 3.0 3.35 9.8 0.11 3.1 3.50 10.0 0.12 3.2 3.75 10.2 0.14 3.3 4.00 10.4 0.15 3.4 4.25 10.6 0.16 3.5 4.50 10.8 0.17 3.6 4.75 11.0 0.18 3.7 5.00 11.2 0.20 3.8 5.25 11.4 0.22 3.9 5.50 11.6 0.23 4.0 5.75 11.7 0.23 4.0 5.75 11.7 0.25 4.1 5.81 11.8 0.30 4.2 6.00 11.9 0.33 4.4 6.25 12.1 0.35 4.5 7.00 12.5 0.38 4.6 7.50 12.8 0.40	0.06	2.5	2.65	9.0			
0.09 2.9 3.15 9.6 0.10 3.0 3.35 9.8 0.11 3.1 3.50 10.0 0.12 3.2 3.75 10.2 0.14 3.3 4.00 10.4 0.15 3.4 4.25 10.6 0.16 3.5 4.50 10.8 0.17 3.6 4.75 11.0 0.18 3.7 5.00 11.2 0.20 3.8 5.25 11.4 0.22 3.9 5.50 11.6 0.23 4.0 5.75 11.75 0.25 4.1 5.81 11.8 0.30 4.2 6.00 11.9 0.33 4.4 6.25 12.1 0.35 4.5 7.00 12.5 0.38 4.6 7.50 12.8 0.40 4.8 7.75 13.0 0.47 5.0 8.23 13.2 0.50	0.07	2.7	2.85	9.2			
0.10 3.0 3.35 9.8 0.11 3.1 3.50 10.0 0.12 3.2 3.75 10.2 0.14 3.3 4.00 10.4 0.15 3.4 4.25 10.6 0.16 3.5 4.50 10.8 0.17 3.6 4.75 11.0 0.18 3.7 5.00 11.2 0.20 3.8 5.25 11.4 0.22 3.9 5.50 11.6 0.23 4.0 5.75 11.73 0.25 4.1 5.81 11.8 0.30 4.2 6.00 11.9 0.33 4.4 6.25 12.1 0.35 4.5 7.00 12.5 0.38 4.6 7.50 12.8 0.40 4.8 7.75 13.0 0.47 5.0 8.23 13.2 0.50 5.2 8.50 13.4 0.60	0.08	2.8	3.00	9.4			
0.11 3.1 3.50 10.0 0.12 3.2 3.75 10.2 0.14 3.3 4.00 10.4 0.15 3.4 4.25 10.6 0.16 3.5 4.50 10.8 0.17 3.6 4.75 11.0 0.18 3.7 5.00 11.2 0.20 3.8 5.25 11.4 0.22 3.9 5.50 11.6 0.23 4.0 5.75 11.7 0.25 4.1 5.81 11.8 0.30 4.2 6.00 11.9 0.33 4.4 6.25 12.1 0.35 4.5 7.00 12.5 0.38 4.6 7.50 12.8 0.40 4.8 7.75 13.0 0.47 5.0 8.23 13.2 0.50 5.2 8.50 13.4 0.60 5.4 8.75 13.5 0.63	0.09	2.9	3.15	9.6			
0.12 3.2 3.75 10.2 0.14 3.3 4.00 10.4 0.15 3.4 4.25 10.6 0.16 3.5 4.50 10.8 0.17 3.6 4.75 11.0 0.18 3.7 5.00 11.2 0.20 3.8 5.25 11.4 0.22 3.9 5.50 11.6 0.23 4.0 5.75 11.7 0.23 4.0 5.75 11.7 0.25 4.1 5.81 11.8 0.30 4.2 6.00 11.9 0.33 4.4 6.25 12.1 0.35 4.5 7.00 12.5 0.38 4.6 7.50 12.8 0.40 4.8 7.75 13.0 0.47 5.0 8.23 13.2 0.50 5.2 8.50 13.4 0.60 5.4 8.75 13.5 0.63	0.10	3.0	3.35	9.8			
0.14 3.3 4.00 10.4 0.15 3.4 4.25 10.6 0.16 3.5 4.50 10.8 0.17 3.6 4.75 11.0 0.18 3.7 5.00 11.2 0.20 3.8 5.25 11.4 0.22 3.9 5.50 11.6 0.23 4.0 5.75 11.7 0.25 4.1 5.81 11.8 0.30 4.2 6.00 11.9 0.33 4.4 6.25 12.1 0.35 4.5 7.00 12.5 0.38 4.6 7.50 12.8 0.40 4.8 7.75 13.0 0.47 5.0 8.23 13.2 0.50 5.2 8.50 13.4 0.60 5.4 8.75 13.5 0.63 5.5 9.00 13.6 0.65 5.6 9.20 13.7 0.75	0.11	3.1	3.50	10.0			
0.15 3.4 4.25 10.6 0.16 3.5 4.50 10.8 0.17 3.6 4.75 11.0 0.18 3.7 5.00 11.2 0.20 3.8 5.25 11.4 0.22 3.9 5.50 11.6 0.23 4.0 5.75 11.73 0.25 4.1 5.81 11.8 0.30 4.2 6.00 11.9 0.33 4.4 6.25 12.1 0.35 4.5 7.00 12.8 0.40 4.8 7.75 13.0 0.43 4.9 8.00 13.1 0.47 5.0 8.23 13.2 0.50 5.2 8.50 13.4 0.60 5.4 8.75 13.5 0.63 5.5 9.00 13.6 0.75 5.8 9.75 14.0 0.80 6.0 10.34 14.5 0.85 <td>0.12</td> <td>3.2</td> <td>3.75</td> <td>10.2</td>	0.12	3.2	3.75	10.2			
0.16 3.5 4.50 10.8 0.17 3.6 4.75 11.0 0.18 3.7 5.00 11.2 0.20 3.8 5.25 11.4 0.22 3.9 5.50 11.6 0.23 4.0 5.75 11.7 0.25 4.1 5.81 11.8 0.30 4.2 6.00 11.9 0.33 4.4 6.25 12.1 0.35 4.5 7.00 12.5 0.38 4.6 7.50 12.8 0.40 4.8 7.75 13.0 0.43 4.9 8.00 13.1 0.47 5.0 8.23 13.2 0.50 5.2 8.50 13.4 0.60 5.4 8.75 13.5 0.63 5.5 9.00 13.6 0.65 5.6 9.20 13.7 0.75 5.8 9.75 14.0 0.85	0.14	3.3	4.00	10.4			
0.17 3.6 4.75 11.0 0.18 3.7 5.00 11.2 0.20 3.8 5.25 11.4 0.22 3.9 5.50 11.6 0.23 4.0 5.75 11.75 0.25 4.1 5.81 11.8 0.30 4.2 6.00 11.9 0.33 4.4 6.25 12.1 0.35 4.5 7.00 12.5 0.38 4.6 7.50 12.8 0.40 4.8 7.75 13.0 0.43 4.9 8.00 13.1 0.47 5.0 8.23 13.2 0.50 5.2 8.50 13.4 0.60 5.4 8.75 13.5 0.63 5.5 9.00 13.6 0.65 5.6 9.20 13.7 0.75 5.8 9.75 14.0 0.85 6.2 12.00 15.0 0.95 <td>0.15</td> <td>3.4</td> <td>4.25</td> <td>10.6</td>	0.15	3.4	4.25	10.6			
0.18 3.7 5.00 11.2 0.20 3.8 5.25 11.4 0.22 3.9 5.50 11.6 0.23 4.0 5.75 11.73 0.25 4.1 5.81 11.8 0.30 4.2 6.00 11.9 0.33 4.4 6.25 12.1 0.35 4.5 7.00 12.5 0.38 4.6 7.50 12.8 0.40 4.8 7.75 13.0 0.43 4.9 8.00 13.1 0.47 5.0 8.23 13.2 0.50 5.2 8.50 13.4 0.60 5.4 8.75 13.5 0.63 5.5 9.00 13.6 0.65 5.6 9.20 13.7 0.75 5.8 9.75 14.0 0.85 6.2 12.00 15.0 0.95 6.4 12.92 15.4 1.00 </td <td>0.16</td> <td>3.5</td> <td>4.50</td> <td>10.8</td>	0.16	3.5	4.50	10.8			
0.20 3.8 5.25 11.4 0.22 3.9 5.50 11.6 0.23 4.0 5.75 11.75 0.25 4.1 5.81 11.8 0.30 4.2 6.00 11.9 0.33 4.4 6.25 12.1 0.35 4.5 7.00 12.5 0.38 4.6 7.50 12.8 0.40 4.8 7.75 13.0 0.43 4.9 8.00 13.1 0.47 5.0 8.23 13.2 0.50 5.2 8.50 13.4 0.60 5.4 8.75 13.5 0.63 5.5 9.00 13.6 0.65 5.6 9.20 13.7 0.75 5.8 9.75 14.0 0.85 6.2 12.00 15.0 0.95 6.4 12.92 15.4 1.00 6.5 13.17 15.5 1.10<	0.17	3.6	4.75	11.0			
0.22 3.9 5.50 11.6 0.23 4.0 5.75 11.7 0.25 4.1 5.81 11.8 0.30 4.2 6.00 11.9 0.33 4.4 6.25 12.1 0.35 4.5 7.00 12.5 0.38 4.6 7.50 12.8 0.40 4.8 7.75 13.0 0.43 4.9 8.00 13.1 0.47 5.0 8.23 13.2 0.50 5.2 8.50 13.4 0.60 5.4 8.75 13.5 0.63 5.5 9.00 13.6 0.65 5.6 9.20 13.7 0.75 5.8 9.75 14.0 0.85 6.2 12.00 15.0 0.95 6.4 12.92 15.4 1.00 6.5 13.17 15.5 1.10 6.6 14.50 16.0	0.18	3.7	5.00	11.2			
0.23 4.0 5.75 11.79 0.25 4.1 5.81 11.8 0.30 4.2 6.00 11.9 0.33 4.4 6.25 12.1 0.35 4.5 7.00 12.5 0.38 4.6 7.50 12.80 0.40 4.8 7.75 13.0 0.43 4.9 8.00 13.1 0.47 5.0 8.23 13.20 0.50 5.2 8.50 13.4 0.60 5.4 8.75 13.5 0.63 5.5 9.00 13.60 0.65 5.6 9.20 13.73 0.75 5.8 9.75 14.0 0.85 6.2 12.00 15.0 0.95 6.4 12.92 15.4 1.00 6.5 13.17 15.5 1.10 6.6 14.50 16.0	0.20	3.8	5.25	11.4			
0.25 4.1 5.81 11.8 0.30 4.2 6.00 11.9 0.33 4.4 6.25 12.1 0.35 4.5 7.00 12.5 0.38 4.6 7.50 12.8 0.40 4.8 7.75 13.0 0.43 4.9 8.00 13.1 0.47 5.0 8.23 13.2 0.50 5.2 8.50 13.4 0.60 5.4 8.75 13.5 0.63 5.5 9.00 13.6 0.65 5.6 9.20 13.7 0.75 5.8 9.75 14.0 0.80 6.0 10.34 14.5 0.95 6.4 12.92 15.4 1.00 6.5 13.17 15.5 1.10 6.6 14.50 16.0	0.22	3.9	5.50	11.6			
0.30 4.2 6.00 11.9 0.33 4.4 6.25 12.1 0.35 4.5 7.00 12.5 0.38 4.6 7.50 12.8 0.40 4.8 7.75 13.0 0.43 4.9 8.00 13.1 0.47 5.0 8.23 13.2 0.50 5.2 8.50 13.4 0.60 5.4 8.75 13.5 0.63 5.5 9.00 13.6 0.65 5.6 9.20 13.7 0.75 5.8 9.75 14.0 0.80 6.0 10.34 14.5 0.85 6.2 12.00 15.0 0.95 6.4 12.92 15.4 1.00 6.5 13.17 15.5 1.10 6.6 14.50 16.0	0.23	4.0	5.75	11.75			
0.33 4.4 6.25 12.1 0.35 4.5 7.00 12.5 0.38 4.6 7.50 12.8 0.40 4.8 7.75 13.0 0.43 4.9 8.00 13.1 0.47 5.0 8.23 13.2 0.50 5.2 8.50 13.4 0.60 5.4 8.75 13.5 0.63 5.5 9.00 13.6 0.65 5.6 9.20 13.7 0.75 5.8 9.75 14.0 0.80 6.0 10.34 14.5 0.85 6.2 12.00 15.0 0.95 6.4 12.92 15.4 1.00 6.5 13.17 15.5 1.10 6.6 14.50 16.0	0.25	4.1	5.81	11.8			
0.35 4.5 7.00 12.5 0.38 4.6 7.50 12.8 0.40 4.8 7.75 13.0 0.43 4.9 8.00 13.1 0.47 5.0 8.23 13.2 0.50 5.2 8.50 13.4 0.60 5.4 8.75 13.5 0.63 5.5 9.00 13.6 0.65 5.6 9.20 13.7 0.75 5.8 9.75 14.0 0.80 6.0 10.34 14.5 0.95 6.4 12.92 15.4 1.00 6.5 13.17 15.5 1.10 6.6 14.50 16.0	0.30	4.2		11.9			
0.38 4.6 7.50 12.83 0.40 4.8 7.75 13.0 0.43 4.9 8.00 13.1 0.47 5.0 8.23 13.23 0.50 5.2 8.50 13.4 0.60 5.4 8.75 13.5 0.63 5.5 9.00 13.63 0.65 5.6 9.20 13.73 0.75 5.8 9.75 14.0 0.80 6.0 10.34 14.5 0.85 6.2 12.00 15.0 0.95 6.4 12.92 15.4 1.00 6.5 13.17 15.5 1.10 6.6 14.50 16.0	0.33	4.4	6.25	12.1			
0.40 4.8 7.75 13.0 0.43 4.9 8.00 13.1 0.47 5.0 8.23 13.2 0.50 5.2 8.50 13.4 0.60 5.4 8.75 13.5 0.63 5.5 9.00 13.6 0.65 5.6 9.20 13.7 0.75 5.8 9.75 14.0 0.80 6.0 10.34 14.5 0.85 6.2 12.00 15.0 0.95 6.4 12.92 15.4 1.00 6.5 13.17 15.5 1.10 6.6 14.50 16.0	0.35	4.5	7.00	12.5			
0.43 4.9 8.00 13.1 0.47 5.0 8.23 13.2 0.50 5.2 8.50 13.4 0.60 5.4 8.75 13.5 0.63 5.5 9.00 13.6 0.65 5.6 9.20 13.7 0.75 5.8 9.75 14.0 0.80 6.0 10.34 14.5 0.85 6.2 12.00 15.0 0.95 6.4 12.92 15.4 1.00 6.5 13.17 15.5 1.10 6.6 14.50 16.0	0.38	4.6		12.85			
0.47 5.0 8.23 13.29 0.50 5.2 8.50 13.4 0.60 5.4 8.75 13.59 0.63 5.5 9.00 13.69 0.65 5.6 9.20 13.79 0.75 5.8 9.75 14.00 0.80 6.0 10.34 14.5 0.85 6.2 12.00 15.0 0.95 6.4 12.92 15.4 1.00 6.5 13.17 15.5 1.10 6.6 14.50 16.0	0.40	4.8		13.0			
0.50 5.2 8.50 13.4 0.60 5.4 8.75 13.5 0.63 5.5 9.00 13.6 0.65 5.6 9.20 13.7 0.75 5.8 9.75 14.0 0.80 6.0 10.34 14.5 0.85 6.2 12.00 15.0 0.95 6.4 12.92 15.4 1.00 6.5 13.17 15.5 1.10 6.6 14.50 16.0	0.43	4.9	8.00	13.1			
0.60 5.4 8.75 13.5 0.63 5.5 9.00 13.6 0.65 5.6 9.20 13.7 0.75 5.8 9.75 14.0 0.80 6.0 10.34 14.5 0.85 6.2 12.00 15.0 0.95 6.4 12.92 15.4 1.00 6.5 13.17 15.5 1.10 6.6 14.50 16.0	0.47	5.0	8.23	13.25			
0.63 5.5 9.00 13.60 0.65 5.6 9.20 13.73 0.75 5.8 9.75 14.0 0.80 6.0 10.34 14.5 0.85 6.2 12.00 15.0 0.95 6.4 12.92 15.4 1.00 6.5 13.17 15.5 1.10 6.6 14.50 16.0	0.50	5.2	8.50	13.4			
0.65 5.6 9.20 13.75 0.75 5.8 9.75 14.0 0.80 6.0 10.34 14.5 0.85 6.2 12.00 15.0 0.95 6.4 12.92 15.4 1.00 6.5 13.17 15.5 1.10 6.6 14.50 16.0	0.60	5.4	8.75	13.5			
0.75 5.8 9.75 14.0 0.80 6.0 10.34 14.5 0.85 6.2 12.00 15.0 0.95 6.4 12.92 15.4 1.00 6.5 13.17 15.5 1.10 6.6 14.50 16.0	0.63	5.5	9.00	13.65			
0.80 6.0 10.34 14.5 0.85 6.2 12.00 15.0 0.95 6.4 12.92 15.4 1.00 6.5 13.17 15.5 1.10 6.6 14.50 16.0	0.65	5.6	9.20	13.75			
0.85 6.2 12.00 15.0 0.95 6.4 12.92 15.4 1.00 6.5 13.17 15.5 1.10 6.6 14.50 16.0	0.75	5.8	9.75	14.0			
0.95 6.4 12.92 15.4 1.00 6.5 13.17 15.5 1.10 6.6 14.50 16.0	0.80	6.0	10.34	14.5			
1.00 6.5 13.17 15.5 1.10 6.6 14.50 16.0	0.85	6.2	12.00	15.0			
1.10 6.6 14.50 16.0	0.95	6.4	12.92	15.4			
oxdot	1.00	6.5	13.17	15.5			
1.17 6.8	1.10	6.6	14.50	16.0			
	1.17	6.8					

Weights and Measurements Conversion Chart

To Convert	to	multiply by
Carat	Pennyweight	0.1286
Carat	Gram	0.2
Pennyweight	Carat	7.776
Pennyweight	Gram	1.5552
Pennyweight	Troy Ounce	0.05
Gram	Carat	5
Gram	Pennyweight	0.64301
Inch	Millimeter	25.4
Kilogram	Troy Ounce	32.1507
Kilogram	Pennyweight	0.643014
Millimeter	Inch	0.03937
Ounce (av.)	Troy Ounce	0.91146
Ounce (av.)	Gram	28.3495
Troy Ounce	Gram	31.1035
Troy Ounce	Ounce (av.)	1.0971
Pounds	Gram	453.592
Pounds	Pennyweight	291.666
Pounds	Troy Ounce	14.583

Fineness of Gold Karats

Karat	Fine Gold %
6k	25.0%
7k	29.2%
8k	33.3%
9k	37.5%
10k	41.7%
11k	45.8%
12k	50.0%
13k	54.2%
14k	58.3%
15k	62.5%
16k	66.7%
17k	70.8%
18k	75.0%
19k	79.2%
20k	83.3%
21k	87.5%
22k	91.7%
23k	95.8%
24k	100.0%

Gauge to Millimeters Conversion Chart for Round Wire

Gauge	MM			
0	8.25			
2	6.54			
4	5.19			
6	4.11			
8	3.26			
10	2.59			
12	2.05			
13	1.83			
14	1.63			
15	1.45			
16	1.29			
18	1.02			
19	0.91			
20	0.81			
21	0.721			
22	0.643			
23	0.572			
24	0.511			
25	0.455			
26	0.404			
27	0.360			
28	0.320			
29	0.285			
30	0.254			
32	0.201			

0.160

Ring Sizes in Millimeters (Increments of 1/8 size)

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Size	MM	Size	MM
3	14.036	7 1/2	17.746
3 1/8	14.139	7 5/8	17.849
3 1/4	14.242	7 3/4	17.952
3 3/8	14.345	7 7/8	18.056
3 1/2	14.448	8	18.160
3 5/8	14.551	8 1/8	18.236
3 3/4	14.654	8 1/4	18.366
3 7/8	14.757	8 3/8	18.469
4	14.860	8 1/2	18.572
4 1/8	14.963	8 5/8	18.675
4 1/4	15.066	8 3/4	18.778
4 3/8	15.169	8 7/8	18.881
4 1/2	15.272	9	18.984
4 5/8	15.375	9 1/8	19.087
4 3/4	15.478	9 1/4	19.190
4 7/8	15.582	9 3/8	19.239
5	15.686	9 1/2	19.396
5 1/8	15.789	9 5/8	19.499
5 1/4	15.892	9 3/4	19.602
5 3/8	15.995	9 7/8	19.705
5 1/2	16.089	10	19.808
5 5/8	16.201	10 1/8	19.911
5 3/4	16.304	10 1/4	20.014
5 7/8	16.407	10 3/8	20.117
6	16.510	10 1/2	20.220
6 1/8	16.613	10 5/8	20.323
6 1/4	16.716	10 3/4	20.426
6 3/8	16.819	10 7/8	20.530
6 1/2	16.922	11	20.634
6 5/8	17.025	11 1/8	20.737
6 3/4	17.128	11 1/4	20.840
6 7/8	17.231	11 3/8	20.943
7	17.334	11 1/2	21.046
7 1/8	17.437	11 5/8	21.149
7 1/4	17.540	11 3/4	21.252
7 3/8	17.643	11 7/8	21.355
		12	21.458