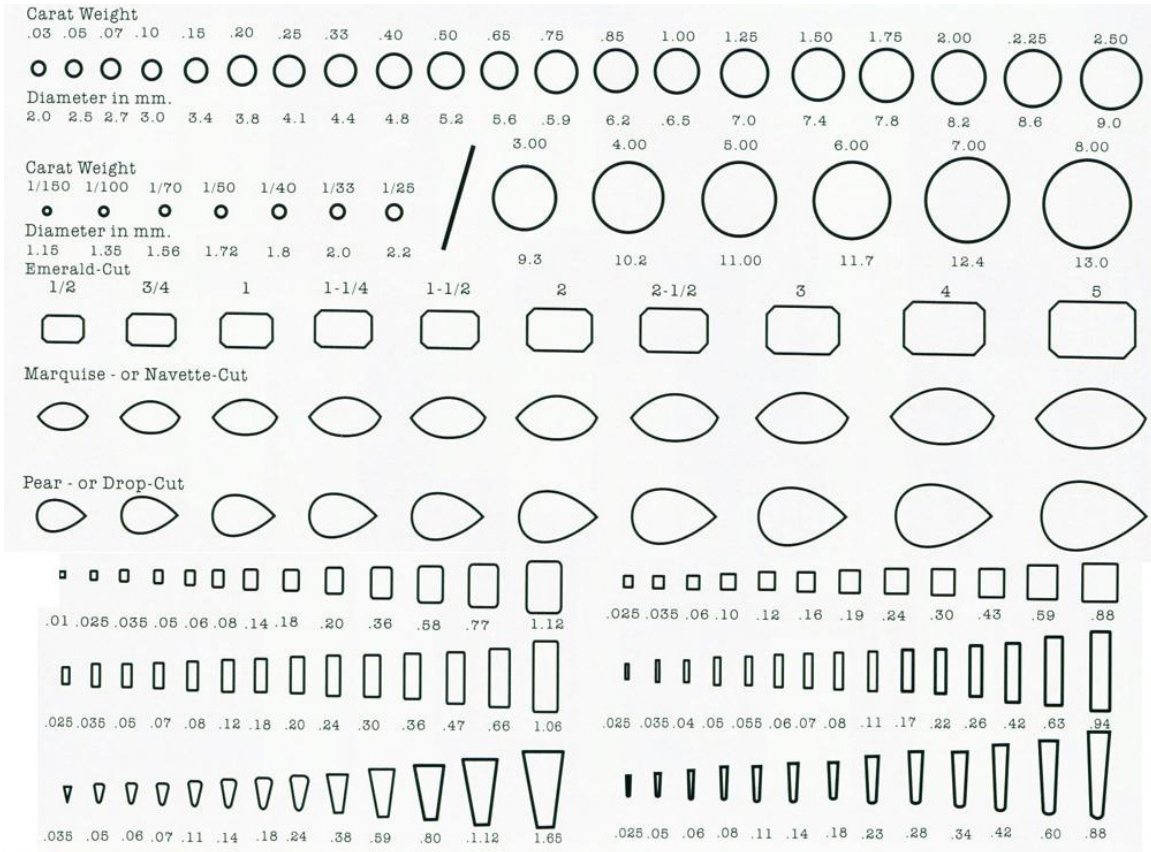
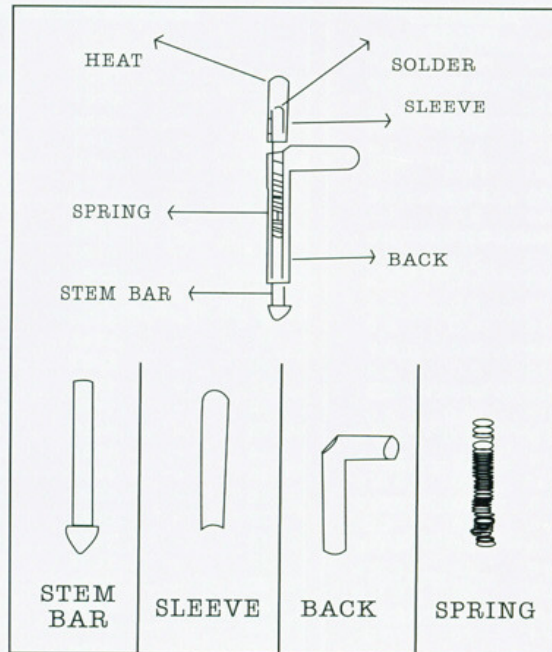


# Charts

## Diamond Chart



# ASSEMBLY INSTRUCTIONS



1. MELT SMALL AMOUNT OF LOW TEMPERATURE SOLDER TO TOP LIP OF STEM BAR...
2. PLACE STEM BAR INTO BACK...
3. PUT SPRING OVER STEM BAR, LET FALL INSIDE OF BACK....
4. PLACE SLEEVE OVER STEM BAR...
5. PUSH SLEEVE DOWN ON STEM BAR DEPRESSING SPRING...
6. HEAT TOP OF SLEEVE "ONLY"...SOLDER WILL MELT ONTO STEM BAR AND ADHERE BOTH PARTS TOGETHER...

## FINGER FIT SHANKS ARE MADE IN TWO SIZES:

THE REGULAR SHANK WHICH IS USED FOR FINGER SIZES 5-9 WHEN CLOSED.

THE PRINCESS SHANK WHICH IS USED FOR FINGER SIZES 2-5 1/2 WHEN CLOSED.

**4 EASY STEPS** WILL PUT A **FINGER FIT** SHANK ON MOST ANY RING. IT IS AS EASY AS REPLACING A CONVENTIONAL NON-HINGED SHANK ON A RING.

1. SHAPE CUSTOMERS RING TO CORRECT **CLOSED** FINGER SIZE.
2. SPLIT TOP OF **FINGER FIT** SHANK AND GENTLY ROUND TO SAME **CLOSED** FINGER SIZE ON MANDRELL WITH RAWHIDE OR NYLON MALLET.
3. MATCH RING AND SHANK ON MANDRELL EXACTLY. MARK RING SHOULDER AND **FINGER FIT** AS FAR FROM THE HINGE AS PRACTICAL. CUT EXCESS FROM BOTH. RING TOP AND **FINGER FIT** TOGETHER SHOULD EQUAL CORRECT **CLOSED** FINGER SIZE.
4. SOLDER **FINGER FIT** TO SHOULDER OF RING. EMERY TO MATCH AND POLISH.



ONE WORD OF CAUTION... **DO NOT** FILE THE **FINGER FIT** IN THE HINGED AREAS, AS THESE ARE PRECISION MACHINED TO ASSURE THE LOWER QUATERS OPENING TO A POSITIVE STOP, OF THREE FINGER SIZES.



# Measurement

## CHARTS

<b>SHEET METAL</b> WEIGHT PER SQUARE INCH BY B & S GAUGE		
B & S GAUGE	THICKNESS IN INCHES	14KT Y GOLD DWTS.
8	.128	17.7
9	.114	15.8
10	.101	12.5
11	.090	12.5
12	.080	11.1
13	.071	9.91
14	.064	8.82
15	.057	7.86
16	.050	7.00
17	.045	6.23
18	.040	5.55
19	.035	4.94
20	.031	4.40
21	.028	3.92
22	.025	3.49
23	.022	3.11
24	.020	2.77
25	.017	2.46
26	.015	2.19
27	.014	1.95
28	.012	1.74
29	.010	1.38

<b>ROUND WIRE</b> WEIGHT PER FOOT BY B & S GAUGE		
B & S GAUGE	THICKNESS IN INCHES	14KT Y GOLD DWTS.
8	.128	21.4
9	.114	17.0
10	.101	13.5
11	.090	10.7
12	.080	8.47
13	.071	6.72
14	.064	5.33
15	.057	4.23
16	.050	3.35
17	.045	2.66
18	.040	2.11
19	.035	1.67
20	.031	1.33
21	.028	1.05
22	.025	.833
23	.022	.661
24	.020	.524
25	.017	.416
26	.015	.330
27	.014	.261
28	.012	.207
29	.011	.164
30	.010	.130

<b>DIAMOND GUIDE</b>		
CARAT	POINTS	MM
1/200	1/2	1.0
1/150	2/3	1.1
1/125	2/3	1.2
1/100	1.0	1.3
1/80	11/4	1.4
1/64	11/2	1.5
1/50	2.0	1.7
1/40	21/2	1.8
1/32	3.0	1.9
1/25	4.0	2.2
1/20	5.0	2.4
1/16	6.0	2.6
1/14	7.0	2.7
1/12	8.0	2.8
1/11	9.0	2.9
1/10	10.0	3.0
1/9	11.0	3 1/8
1/8	12	3 1/4
3/16	18	3 5/8
1/5	20	3 3/4
1/4	25	4.0
1/3	33	4 1/2
3/8	38	4 3/4
1/2	50	5 1/8
5/8	65	5 1/2
3/4	75	6.0
1.0	100	6 1/2

**BIRTH  
STONES**

JANUARY - GARNET  
FEBRUARY - AMETHYST  
MARCH - AQUAMARINE  
APRIL - WHITE SAPPHIRE  
MAY - EMERALD  
JUNE - ALEXANDRITE  
JULY - RUBY  
AUGUST - PERIDOT  
SEPTEMBER - SAPPHIRE  
OCTOBER - ROSE ZIRCON  
NOVEMBER - GOLD TOPAZ  
DECEMBER - BLUE ZIRCON

<b>MILLIMETERS TO INCHES</b>					
1	=	.0394	24	=	.9449
1.5	=	.0591	25	=	.9843
2	=	.0787	26	=	1.0236
2.5	=	.0984	27	=	1.0630
3	=	.1181	28	=	1.1024
3.5	=	.1378	29	=	1.1417
4	=	.1574	30	=	1.1820
4.5	=	.1772	31	=	1.2205
5	=	.1969	32	=	1.2598
5.5	=	.2165	33	=	1.2992
6	=	.2362	34	=	1.3386
7	=	.2756	35	=	1.3780
8	=	.3150	36	=	1.4173
9	=	.3543	37	=	1.4567
10	=	.3937	38	=	1.4961
11	=	.4331	39	=	1.5354
12	=	.4724	40	=	1.5748
13	=	.5118	41	=	1.6142
14	=	.5512	42	=	1.6535
15	=	.5906	43	=	1.6929
16	=	.6299	44	=	1.7323
17	=	.6693	45	=	1.7717
18	=	.7087	46	=	1.8110
19	=	.7087	47	=	1.8504
20	=	.7874	48	=	1.8898
21	=	.8268	49	=	1.9291
22	=	.8661	50	=	1.9685
23	=	.9055			

<b>SIZE CONVERSIONS (APPROX DIAMOND SIZES) OUR MOST POPULAR CARAT/MM STONE</b>					
DIA. CARAT WEIGHT	MM ROUND	MM OVAL	MM MAQUISE	MM PEAR	MM EMERALD
.005	1.0				
.01	1.3				
.02	1.7	2.5X1.25			
.03	2.0				
.05	2.4				
.07	2.7	3.5X2			
.10	3.0	4X2			
.12	3.2				
.15	3.4	5X2.5			
.20	3.8	5X3	4X2		
.25	4.1	5X3	6X3	5X3	
.33	4.4				
.40	4.8				
.50	5.2	6X4	8X4	6X4	6X4
.75	5.8	9X4.5	7X5	6.5X4.5	
1.0CT	6.5	7X5	10X5	8X5	7X5
1.5	7.4	8X6	11X5.5	9X6	8X6
2.0	8.0	8.5X6.5	10X7	12X6	8.5 X 6.5

**APPROXIMATE NUMBER OF BEADS PER GIVEN LENGTH**

BEAD SIZE	BEADS PER 1"	15"	16"	18"	20"	24"	30"
2MM	13	196	209	235	261	313	391
2.5MM	104	156	166	187	207	249	311
3MM	86	129	138	155	172	207	258
4MM	64	96	103	116	129	154	193
5MM	51	77	82	92	103	123	154
6MM	43	64	77	85	102	128	
7MM	37	55	58	66	73	88	110
8MM	32	48	51	58	64	77	96
9MM	28	43	45	51	57	68	85
10MM	25	38	41	46	51	61	77

**WEIGHT CONVERSION**

1 PENNYWEIGHT(DWT) = 24 GRAINS = 7.777 CARATS = 1.562 GRAMS  
 1 TROY OZ = 20 DWT = 1.0972 AVOIR. OZ. = 31.103 GRAMS  
 1 GRAM = .03215 TR. OZ. = .03527 AVOIR. OZ.  
 1 KILOGRAM(KG) = 2.2046 AVOIR. LBS.  
 1 AVOIR OZ. = 28.35 GRAMS = 0.114 TROY OZ.  
 1 AVOIR LB = 14.582 TROY OZ. = 46389 KG.