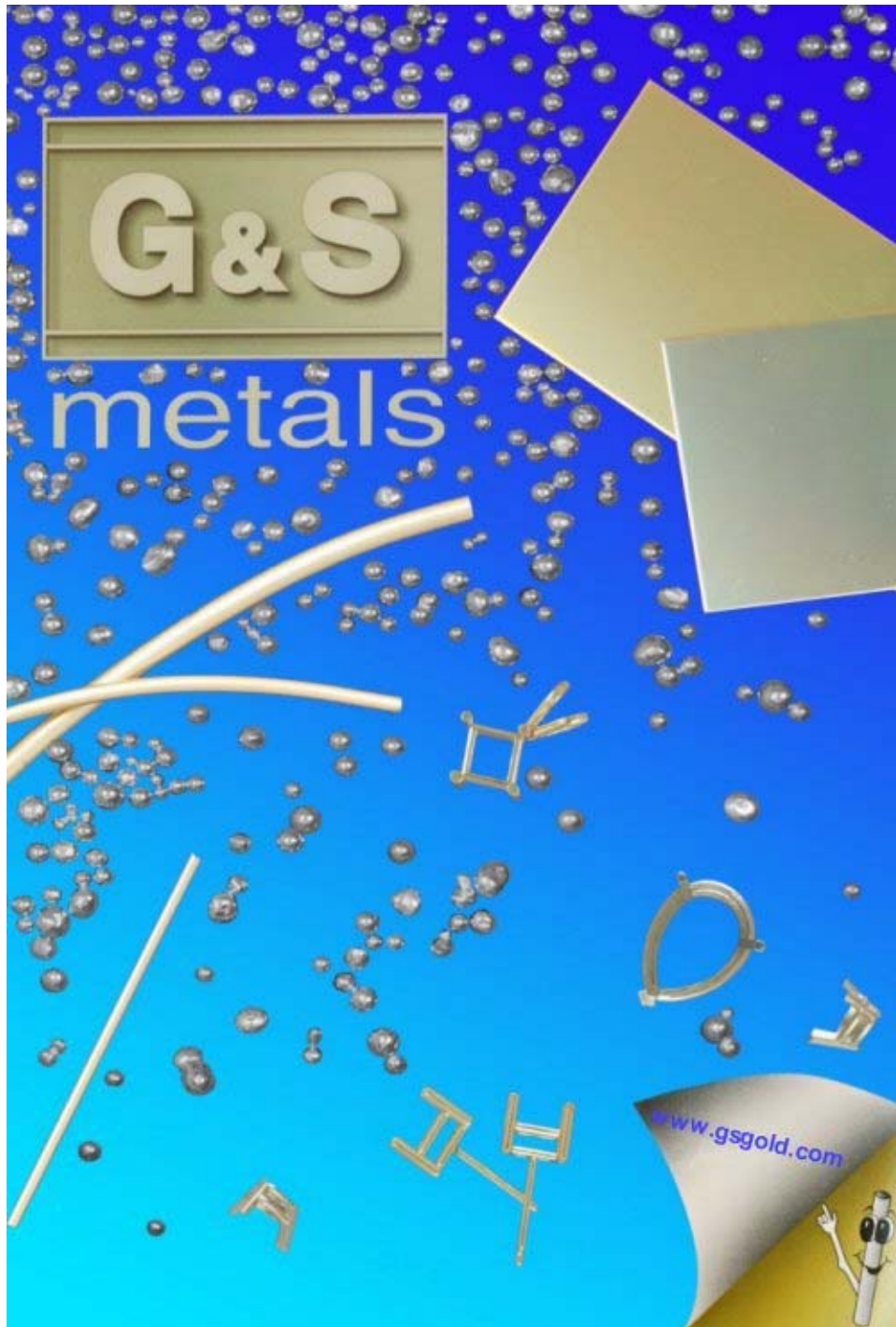


# ARGENTIUM SILVER CASTING GRAIN, MILL PRODUCTS & FINDINGS




























## G&S Metals, Inc.

p.o. box 1432  
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[gs@gsgold.com](mailto:gs@gsgold.com)

(734) 662-9344  
(800) 852-3860  
fax (734) 662-6881  
fax (877) 662-6881

## ARGENTIUM™ SILVER MILL PRODUCTS AND FINDINGS

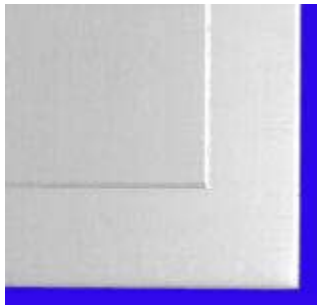
ARGENTIUM™ SILVER CASTING GRAIN		ARGENTIUM™ SILVER EARRINGS	
	Casting Grain		Ball Earrings Without Jump Ring
<b>ARGENTIUM™ SILVER MILL PRODUCTS</b>			Argentium Earwire
	Bezel		Friction Earnut
	Flat Sheet		Earring Posts - Friction
	Half Round Wire		1/2 Hoop Sheperd Hook
	Round Wire		Head Pin With Ball
	1/2 Hard Round Wire		Spring Action Leverback
	Plumb Sheet Solder - Cadmium Free	<b>ARGENTIUM™ SILVER CLASPS</b>	
	Round Seamless Tubing		Lobster Clasps
	Square Wire		Pearl Spacers
	Wire Solder		Spring Rings
		<b>ARGENTIUM™ SILVER FINDINGS</b>	
			Beads
			Stardust 2 Hole Beads
			Chains
			Eye Pins
			Head Pin With Ball
			Jump Rings
			Toggle Set



## ARGENTIUM SILVER BEZEL STRIP

Supplied soft and coiled

ARGENTIUM SILVER BEZEL STRIP				
Item #	Size	Minimum	Thickness	T.O./Ft
SSBEZAR28X2	28 ga x 2mm	1'	0.013"	0.0690
SSBEZAR28X3	28 ga x 3mm	1'	0.013"	0.1020
SSBEZAR28X4	28 ga x 4mm	1'	0.013"	0.1250
SSBEZAR28X5	28 ga x 5mm	1'	0.013"	0.1560
SSBEZAR28X6	28 ga x 6mm	1'	0.013"	0.1880
SSBEZAR30X2	30 ga x 2mm	1'	0.010"	0.0520
SSBEZAR30X3	30 ga x 3mm	1'	0.010"	0.0780
SSBEZAR30X4	30 ga x 4mm	1'	0.010"	0.1060
SSBEZAR30X5	30 ga x 5mm	1'	0.010"	0.1270
SSBEZAR30X6	30 ga x 6mm	1'	0.010"	0.1560

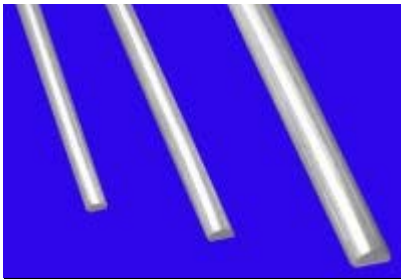


## ARGENTIUM™ SILVER FLAT SHEET

Supplied soft

ARGENTIUM™ SILVER FLAT SHEET					
Item	Gage	MM	Inches	Minimum	Argentium Silver T.O./SQ Inch
SSSHAR30	30	0.25	.010	1" x 6"	.055
SSSHAR28	28	0.33	.013	1" x 6"	.071
SSSHAR26	26	0.41	.016	1" x 6"	.087
SSSHAR24	24	0.51	.020	1" x 6"	.109
SSSHAR22	22	0.64	.025	1" x 6"	.136
SSSHAR20	20	0.80	.032	1" x 6"	.175
SSSHAR18	18	1.00	.040	1" x 6"	.218
SSSHAR16	16	1.27	.051	1" x 6"	.278
SSSHAR14	14	1.60	.064	1" x 6"	.349
SSSHAR12	12	2.00	.081	1" x 6"	.442

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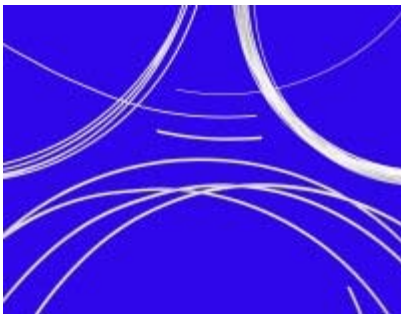


### ARGENTIUM™ SILVER HALF ROUND WIRE

Supplied in soft temper and coiled.

#### ARGENTIUM™ SILVER HALF ROUND WIRE (sold by the foot)

Item #	Gauge	MM	Inches	Minimum	Ft/T.O.	T.O./Ft
SSHRAR22	22	.625x.325	.025 x .013	1 FT	56.00	0.0180
SSHRAR21	21	0.71 x .35	.028 x .014	1 FT	50.00	0.0200
SSHRAR20	20	.81 x .40	.032 x .016	1 FT	37.73	0.0300
SSHRAR18	18	1.02 x .51	.040 x .020	1 FT	24.10	0.0400
SSHRAR16	16	1.3 x .60	.051 x .026	1 FT	15.00	0.0700
SSHRAR14	14	1.6 x .80	.064 x .032	1 FT	9.50	0.1100
SSHRAR12	12	2 x 1	.081 x .041	1 FT	6.00	0.1700
SSHRAR10	10	2.5 x 1.60	.101 x .050	1 FT	3.70	0.2700
SSHRAR8	8	3.2 x 1.6	.128 x .064	1 FT	2.30	0.4300
SSHRAR6	6	4.1 x 2.05	.162 x .081	1 FT	1.50	0.6700



### ARGENTIUM™ SILVER 1/2 HARD ROUND WIRE

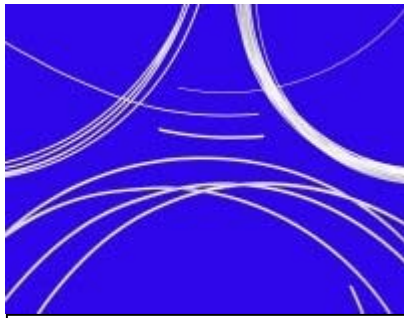
Supplied 1/2 hard and coiled.

Gauges 26-30 are shipped spooled up to 5 T.O. per spool. Multiple spools may be requested at a charge of \$1.00 per spool.

#### ARGENTIUM™ SILVER 1/2 HALF HARD ROUND WIRE

Item #	Gauge	MM	Inches	Minimum	T.O./Ft
SSRWAR26H	26	0.41	0.016	3'	0.0130
SSRWAR24H	24	0.51	0.020	3'	0.0190
SSRWAR22H	22	0.64	0.025	3'	0.0320
SSRWAR21H	21	0.71	0.028	2'	0.0420
SSRWAR20H	20	0.81	0.032	2'	0.0540

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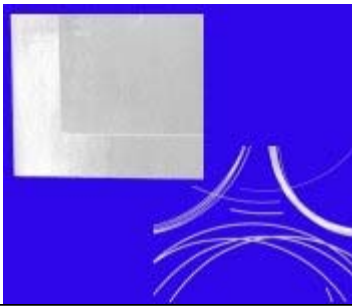
## ARGENTIUM™ SILVER ROUND WIRE

Supplied soft and coiled.

Gauges 26-30 are shipped spooled up to 5 T.O. per spool.  
Multiple spools may be requested at a charge of \$1.00 per spool.

ARGENTIUM™ SILVER ROUND WIRE					
Item #	Gauge	MM	Inches	Minimum	T.O./Ft
SSRWAR32	32	0.202	0.008	3'	0.0040
SSRWAR30	30	0.26	0.010	3'	0.0050
SSRWAR28	28	0.32	0.013	3'	0.0090
SSRWAR26	26	0.41	0.016	3'	0.0130
SSRWAR24	24	0.51	0.020	3'	0.0190
SSRWAR22	22	0.64	0.025	3'	0.0320
SSRWAR21	21	0.71	0.028	2'	0.0420
SSRWAR20	20	0.81	0.032	2'	0.0540
SSRWAR19	19	0.912	0.03589	2'	0.0680
SSRWAR18	18	1.02	0.040	2'	0.0860
SSRWAR16	16	1.29	0.051	2'	0.1360
SSRWAR14	14	1.63	0.064	1'	0.2140
SSRWAR12	12	2.05	0.081	1'	0.3440
SSRWAR10	10	2.59	0.102	1'	0.5530
SSRWAR8	8	3.26	0.128	1'	0.8370
SSRWAR4	4	5.19	0.024	1'	2.1280
SSRWAR2	2	6.54	0.026	1'	3.2260

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**ARGENTIUM™ SILVER SOLDER - CADMIUM FREE**

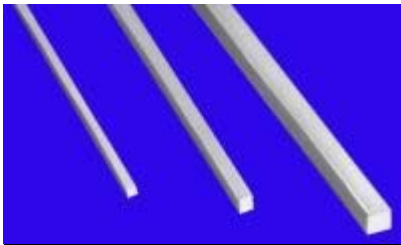
1 T.O. Sheet solder = 4 sheets 1" x 5"

1 T.O. Round Wire Solder = 20 Ft.

Because fractions are not permissible, if you prefer half an ounce, please indicate this in instructions.

<b>ARGENTIUM™ SILVER SOLDER - CADMIUM FREE</b>				
<b>Item #</b>		<b>Sheet 30 Gage Solidus-Liquidus</b>	<b>Minimum</b>	<b>Round Wire 20 Gage Solidus-Liquidus</b>
SSARODE	Silver Argentium™ Solder Easy	1250°F-1310°F	.50 T.O.	
SSARODM	Silver Argentium™ Solder Medium	1149°F-1378°F	.50 T.O.	
SSARODH	Silver Argentium™ Solder Hard	1370°F-1450°F	.50 T.O.	
SSARODRWX	Silver Argentium™ Round Wire Solder Super Easy		.50 T.O.	1105°F-1268°F
SSARODRWE	Silver Argentium™ Round Wire Solder Easy		.50 T.O.	1250°F-1310°F
SSARODRWM	Silver Argentium™ Round Wire Solder Medium		.50 T.O.	1149°F-1378°F
SSARODRWH	Silver Argentium™ Round Wire Solder Hard		.50 T.O.	1370°F-1450°F

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## ARGENTIUM™ SILVER SQUARE WIRE

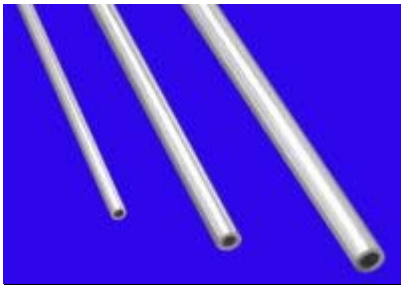
Supplied soft and coiled.

### ARGENTIUM™ SQUARE WIRE (sold by the foot)

Item #	Gauge	MM	Inches	Min	Ft/ T.O.	T.O./ Ft
SSSQAR24	24	.51 x .51	.020 x .020	1FT	39	0.0260
SSSQAR22	22	.64 x .64	.025 x .025	1FT	27	0.0380
SSSQAR21	21	.71 x .71	.028 x .028	1FT	20	0.0500
SSSQAR20	20	.81 x .81	.032 x .032	1FT	16	0.0630
SSSQAR18	18	1.00 x 1.00	.040 x .040	1FT	10	0.1030
SSSQAR16	16	1.25 x 1.25	.051 x .051	1FT	6	0.1660
SSSQAR14	14	1.60 x 1.60	.064 x .064	1FT	3.8	0.2680
SSSQAR12	12	2.00 x 2.00	.081 x .081	1FT	2.4	0.4160
SSSQAR10	10	2.50 x 2.50	.102 x .102	1FT	1.5	0.6490
SSSQAR8	8	3.20 x 3.20	.128 x .128	1FT	.93	1.0790
SSSQAR6	6	4.12 x 4.12	.162 x .162	1FT	.59	1.6250
SSSQAR4	4	5.19 x 5.19	.204 x .204	1FT	.38	2.6840
SSSQAR2	2	6.50 x 6.50	.257 x .257	1FT	.24	4.2000

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## ARGENTIUM™ SILVER ROUND SEAMLESS TUBING

Sold by the foot

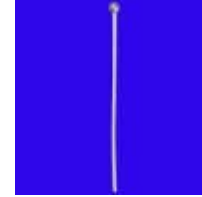
ARGENTIUM™ STERLING SILVER ROUND SEAMLESS TUBING							
Item #	Minimum	Out Diameter		In Diameter		Insert Wire	T.O/Ft
		MM	Inches	MM	Inches		
<b>Wall Thickness - light 0.010" (0.25mm)</b>							
SSTAR8L	1'	3.20	.128	2.70	.108	10 ga	0.2530
SSTAR10L	1'	2.50	.100	2.00	.080	10 ga	0.1900
SSTAR12L	1'	2.00	.080	1.50	.060	15 ga	0.1400
SSTAR14L	1'	1.60	.064	1.05	.042	18 ga	0.1000
SSTAR16L	1'	1.35	.054	.85	.034	20 ga	0.0800
SSTAR18L	1'	1.00	.040	.50	.020	24 ga	0.0600
<b>Wall Thickness - Medium 0.016" (0.40mm)</b>							
SSTAR6M	1'	5.80	.230	5.00	.195	5 ga	0.7100
SSTAR5M	1'	5.00	.200	4.25	.165	6 ga	0.5400
SSTAR4M	1'	3.80	.157	3.17	.127	8 ga	0.4500
<b>Wall Thickness - Heavy 0.020" (0.50mm)</b>							
SSTAR8H	1'	3.20	.128	2.20	.085	12 ga	0.4500
SSTAR10H	1'	2.50	.100	1.52	.060	15 ga	0.3300
SSTAR12H	1'	2.00	.080	1.00	.040	19 ga	0.2400

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**ARGENTIUM™ SILVER EARRINGS**



**Product ID : 45AR**  
**BALL EARRING**  
Without Jump Ring  
5mm  
**Earrings Are Sold Individually**



**Product ID : 467AR**  
**ARGENTIUM™ HEAD PIN**  
With Ball  
Length 1 1/2"  
.032 inch wire  
.81 MM  
**Earrings Are Sold Individually**



**Product ID : 461AR**  
**ARGENTIUM™ EAR WIRE**  
With Loop and Bead  
.032 inch wire  
.81 MM  
**Earrings Are Sold Individually**



**Product ID : 462AR**  
**ARGENTIUM™ EAR WIRE**  
With Loop, Bead and Coil  
.032 inch wire  
.81 MM  
**Earrings Are Sold Individually**

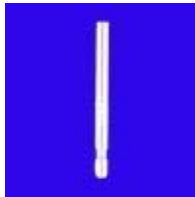


**Product ID : 463AR**  
**ARGENTIUM™ EAR WIRE**  
With Loop  
.032 inch wire  
.81 MM  
**Earrings Are Sold Individually**

**ARGENTIUM™ SILVER FRICTION EARNUT**



**Product ID : 180AR**  
**ARGENTIUM™ FRICTION**  
**EARNUT**  
Medium Weight  
**Must be used with 181AR**  
**Earrings Are Sold Individually**



**Product ID : 181AR**  
**ARGENTIUM™ FRICTION**  
Regular  
0.75x9.36mm  
**Must be used with 180AR**  
**Earrings Are Sold Individually**



**ARGENTIUM™ SILVER**  
**1/2 HOOP SHEPERD HOOK**  
**Product ID : 250AR**  
**1/2 Hoop Sheperd Hook**  
**Earrings Are Sold Individually**

**ARGENTIUM™ SILVER**  
**LEVERBACK SPRING ACTION**



**Product ID : 522AR**  
**Traditional Spring Action**  
**Leverback**  
Open Ring  
18 x 10mm  
**Earrings Are Sold Individually**

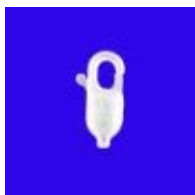
**ARGENTIUM™ SILVER**  
**LEVERBACK SPRING ACTION**



**Product ID : 524AR**  
**Traditional Spring Action**  
**Leverback**  
(Spring Action)  
Closed Ring  
18.4 x 10 MM  
**Earrings Are Sold Individually**

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## ARGENTIUM™ SILVER CLASPS



**ARGENTIUM™ SILVER  
LOBSTER CLASPS**  
Product ID : 9010AR  
8 x 3 MM  
.70

## ARGENTIUM™ SILVER PEARL SPACER



Product ID : 676AR  
**Pearl Spacer**  
Square cut tube  
1.3mm x 12.7mm

## ARGENTIUM™ SILVER SPRING RINGS



Product ID : 1210AR  
**Spring Rings - Open**  
5mm O.D.

## ARGENTIUM™ SILVER EYE PINS



Product ID : 464AR  
**Argentium™ Eye Pins**  
.032 inch wire  
.81 MM  
Length 1 inch



Product ID : 465AR  
**Argentium™ Eye Pins**  
.032 inch wire  
.81 MM  
Length 1 1/2 inch



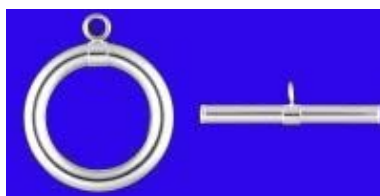
Product ID : 466AR  
**Argentium™ Eye Pins**  
.032 inch wire  
.81 MM  
Length 2 inch

## HEAD PIN WITH BALL



Product ID : 467AR  
**Argentium™ Head Pin With Ball**  
Length 1 1/2"  
.032 inch wire  
.81 MM

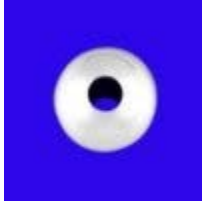
## TOGGLE SET



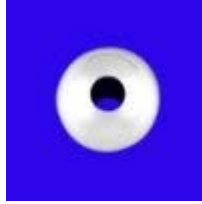
Product ID : 330AR  
**Toggle Set Plain Bar**  
20mm

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**ARGENTIUM™ STERLING SILVER BEADS**



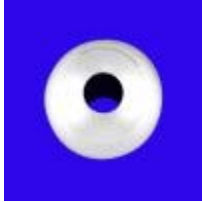
**Product ID : 102AR**  
**Argentium™ Beads**  
2mm  
.85mm hole



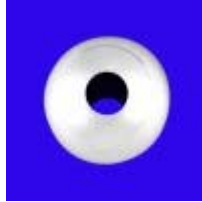
**Product ID : 102.5AR**  
**Argentium™ Beads**  
2.5mm  
.90mm hole



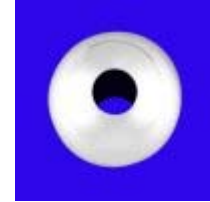
**Product ID : 103AR**  
**Argentium™ Beads**  
3mm  
1.25mm hole



**Product ID : 104AR**  
**Argentium™ Beads**  
4mm  
1.50mm hole



**Product ID : 105AR**  
**Argentium™ Beads**  
5mm  
1.50mm hole



**Product ID : 106AR**  
**Argentium™ Beads**  
6mm  
1.60mm hole

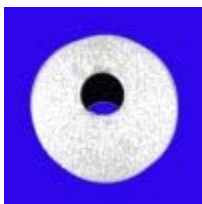


**Product ID : 107AR**  
**Argentium™ Beads**  
7mm  
2.25mm hole

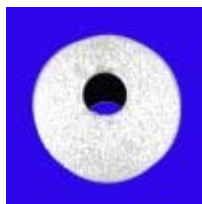


**Product ID : 108AR**  
**Argentium™ Beads**  
8mm  
2.25mm hole

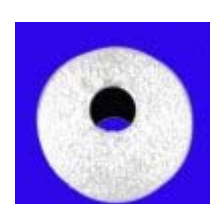
**ARGENTIUM™ SILVER STARDUST 2 HOLE BEADS**



**Product ID : 704AR**  
**Argentium™ Stardust**  
**2 Hole Beads**  
4mm  
1.25mm hole



**Product ID : 705AR**  
**Argentium™ Stardust**  
**2 Hole Beads**  
5mm  
1.25mm hole



**Product ID : 706AR**  
**Argentium™ Stardust**  
**2 Hole Beads**  
6mm  
1.50mm hole

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**ARGENTIUM™ SILVER CHAINS**



**Product ID : 15AR18**

**Argentium Silver Chains**

18" medium rope chain with lobster  
Chain width 2mm  
2.3 DWT



**Product ID : 16AR18**

**Argentium Silver Chains**

18" flat cable chain with lobster  
Chain width 2.64 mm  
1.425 DWT



**Product ID : 17AR18**

**Argentium Silver Chains**

18" medium curb chain with lobster  
Chain width .75 mm  
1.920 DWT



**Product ID : 20AR18**

**Argentium Silver Chains**

18" long and short chain with  
lobster  
Chain width 2.22 mm  
1.989 DWT



**Product ID : 28AR18**

**Argentium Silver Chains**

18" large cable chain with lobster  
Chain width 4.5mm  
3.77 DWT



**Product ID : 28AR18B**

**Continuous Argentium Chain**

Large cable chain  
Sold by the foot  
Chain width 4.5mm

**ORDER ONLINE AT [WWW.GSGOLD.COM](http://WWW.GSGOLD.COM)**  
**Prices are based on the London PM Fix and changed daily**  
**Prices are subject to change without notice**

ARGENTIUM™ STERLING SILVER ROUND JUMP RINGS



**Product ID : 2710AR**  
**Round Jump Ring - One Dozen**  
1.1 mm ID / 2.4 mm OD  
22g Wire  
**Only sold by the dozen**



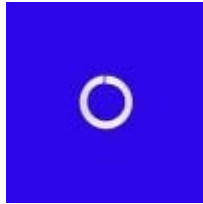
**Product ID : 2800AR**  
**Round Jump Ring - One Dozen**  
1.6mm ID / 3.0 mm OD  
21g Wire  
**Only sold by the dozen**



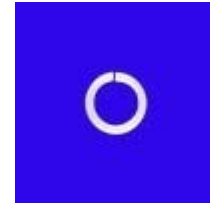
**Product ID : 2810AR**  
**Round Jump Ring - One Dozen**  
1.9 mm ID / 3.25 mm OD  
21g Wire  
**Only sold by the dozen**



**Product ID : 3000AR**  
**Round Jump Ring - One Dozen**  
2.2 mm ID / 3.5 mm OD  
21g Wire  
**Only sold by the dozen**



**Product ID : 2832AR**  
**Round Jump Ring**  
2 mm ID / 3.6 mm OD  
20g Wire  
**Only sold by the dozen**



**Product ID : 2840AR**  
**Round Jump Ring**  
2 mm ID / 4 mm OD  
18g Wire  
**Only sold by the dozen**



**Product ID : 3110AR**  
**Round Jump Ring - One Dozen**  
2.6 mm ID / 4.0 mm OD  
21g Wire  
**Only sold by the dozen**



**Product ID : 3112AR**  
**Round Jump Ring - One Dozen**  
3.1 mm ID / 4.5 mm OD  
21g Wire  
**Only sold by the dozen**



**Product ID : 3314AR**  
**Round Jump Ring - One Dozen**  
3.25 mm ID / 5.25 mm OD  
18g Wire  
**Only sold by the dozen**



**Product ID : 3340AR**  
**Round Jump Ring - One Dozen**  
3.5 mm ID / 5.5 mm OD  
18g Wire  
**Only sold by the dozen**



**Product ID : 3310AR**  
**Round Jump Ring - One Dozen**  
3.5 mm ID / 5.1 mm OD  
20g Wire  
**Only sold by the dozen**



**Product ID : 3366AR**  
**Round Jump Ring - One Dozen**  
3.5 mm ID / 6.0 mm OD  
16g Wire  
**Only sold by the dozen**

Jump Rings continued >>

**ARGENTIUM™ STERLING SILVER ROUND JUMP RINGS (continued)**



**Product ID : 3322AR**  
**Round Jump Ring**  
3.7 mm ID / 5.0 mm OD  
22g Wire  
**Only sold by the dozen**



**Product ID : 3312AR**  
**Round Jump Ring - One Dozen**  
4.5 mm ID / 6.5 mm OD  
18g Wire  
**Only sold by the dozen**



**Product ID : 3377AR**  
**Round Jump Ring - One Dozen**  
4.5 mm ID / 7.0 mm OD  
16g Wire  
**Only sold by the dozen**



**Product ID : 3378AR**  
**Round Jump Ring - One Dozen**  
5.0 mm ID / 7.0 mm OD  
18g Wire  
**Only sold by the dozen**



**Product ID : 3317AR**  
**Round Jump Ring - One Dozen**  
5.25 mm ID / 7.5 mm OD  
17g Wire  
**Only sold by the dozen**



**Product ID : 3316AR**  
**Round Jump Ring - One Dozen**  
5.5 mm ID / 8.0 mm OD  
16g Wire  
**Only sold by the dozen**



**Product ID : 3416AR**  
**Round Jump Ring - One Dozen**  
6.0 mm ID / 8.5 mm OD  
16g Wire  
**Only sold by the dozen**



**Product ID : 3516AR**  
**Round Jump Ring - One Dozen**  
6.5 mm ID / 9.0 mm OD  
16g Wire  
**Only sold by the dozen**



**Product ID : 3616AR**  
**Round Jump Ring - One Dozen**  
7.0 mm ID / 9.5 mm OD  
16g Wire  
**Only sold by the dozen**



**Product ID : 3716AR**  
**Round Jump Ring - One Dozen**  
7.5 mm ID / 10.0 mm OD  
16g Wire  
**Only sold by the dozen**



**Product ID : 3812AR**  
**Round Jump Ring**  
7.85 mm ID / 11.85 mm OD  
12g Wire  
**Only sold by the dozen**

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## TIPS FOR USING ARGENTIUM SILVER 97%

The reasons for using Argentium Silver are many. Argentium Silver is an anti-oxidizing, anti-fire scale Sterling alloy that is extremely tarnish resistant. It is the most important advance in silver technology in modern times. It stays bright and beautiful for weeks, months, for years and requires only an occasional wipe with a soft cloth to remove a smudge or finger mark. Fabrication and workability characteristics are much better than standard Sterling silver, and it can be heat treated to achieve hardness approximately twice as strong as standard Sterling Silver. Unlike traditional Sterling Silver, Argentium Sterling Silver casts and solders without fire scale and is laser and resistant weldable. Argentium Silver is excellent for making durable, tarnish resistant silver products.

**MELTING:** Melt Temperature is 60° F lower than standard sterling silver.  
Solidus: 1522° F (828° C), Liquidus: 1724° F (940° C).

**CASTINGS:** When investment in casting, a pour temperature of 1760-1880°F (950-980°C) and a flask temperature below 1350°F (677°C) are recommended. If casting without a protective atmosphere, the use of borax flux or graphite powder is effective. After casting the metal, a minimum of 30-60 minutes air cooling is required before quenching. Investment may be easily removed with water spray, ultrasound, and pickling solution.

**REMELTING:** This could cause brittle castings. For high quality pieces, using more fresh metal will yield superior results. It is important that used trees and buttons are free from investment powder residue to avoid sulfate contamination.

**FLUXING:** Use of a protective atmosphere to protect the molten metal is recommended, but flux can also be used if a protective atmosphere is not available. Boric Acid is recommended. Skim any surface oxides off of the surface before stirring.

**QUENCHING:** Air cool for 60 minutes or more before quenching (the minimum necessary to avoid cracking). Best results have been reported by completely cooling the flask and hand tapping out the casting with a wooden mallet. To AVOID hand tapping, place in quenching bucket until plaster softens.

**INVESTMENT REMOVAL:** Most standard investment removers will successfully remove the investment powder.

**ANTIQUING:** Use hydrochloric or muratic acid.

**FLASK TEMP:** In most cases, use your normal flask temperature. Do not exceed 1250° F.

**TUMBLE FINISHING:** Successful tumble finishing has been done using rough cut with epoxy cones and triangles in a vibratory tumbler, and also by using a steel shot mixture in a rotary tumbler. It is very important to maintain clean shot and solution.

**HARDENING:** Typical hardness of rapidly quenched pieces is 70 DPH. Flasks cooled to room temperature can approach 90 DPH and heat-treated castings can approach 125 DPH! (Approximately twice the hardness of as-cast standard Sterling Silver!). To obtain this hardness, quench the flask after air cooling for 15 minutes. Anneal in an oven at 1050 to 1150°F (566-621°C) for 30 to 60 minutes and quench after visible heat has dissipated. Then, place the castings in an oven at 580°F (304°C) for 45 minutes and air cool to room temperature.

**POLISHING:** To avoid contamination from other alloys in the workshop, separate wheels should be used for Argentium® Sterling Silver. If this is not possible, thoroughly rake wheels before use. After final polishing, heat the casting in an air atmosphere to 250° (121°C) for 20 minutes to activate the germanium oxide layer, which is highly tarnish resistant.

**RECYCLING:** When trees become excessively dark, or any inclusions are noticed, the silver should be considered scrap. It has most likely been depleted or contaminated.

**SOLDERING:** Argentium silver displays a lighter color when heated. If the metal looks yellow or light orange, it is too hot. Low temperature solders are therefore recommended. For maximum results, use Argentium® solders now available in sheet and round wire in easy, medium and hard tempers. It is important to avoid overheating this metal. Use standard soldering fluxes.

**DENSITY:** 10.3 g/c