LYON INDUSTRIES

The Shim Source

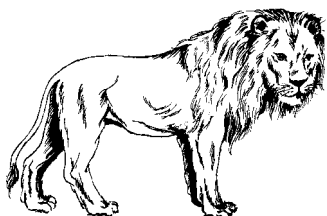## Since 1968

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Lyon Industries

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Ph: 800-367-5966 Fax: 847-695-5966

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Tool Wrap

Material Guide:

- Pro-Tec Pak Stainless Steel Tool Wrap.
- Scale-free heat treating of tool parts.
- Recommended for research and development.
- Up to 2,000° max. temp.
- Each roll contains 1 crimping tool/seam roller.
- ASTM-A-240, AMS-5510.

321 Stainless Steel Tool Wrap

Part No.	Size	Wt./Lbs
PTP-2512	.002 x 10" x 25'	1.75
PTP-512	.002 x 10" x 50'	3.50
PTP-112	.002 x 10" x 100'	7.00
PTPW-2512	.002 x 12" x 25'	2.10
PTPW-512	.002 x 12" x 50'	4.20
PTPW-112	.002 x 12" x 100'	8.40
PTP-25	.002 x 20" x 25'	3.50
PTP-50	.002 x 20" x 50'	7.00
PTP-100	.002 x 20" x 100'	14.00
PTPW-25	.002 x 24" x 25'	4.20
PTPW-50	.002 x 24" x 50'	8.40
PTPW-100	.002 x 24" x 100'	16.80

Stainless Steel Type 321 Annealed Typical Analysis

Titanium	5 x Carbon Min
Nickel	8.00-12.00
Chromium	18.00-20.00
Silicon	1.00 Max.
Manganese	2.00 Max.
Carbon	0.15 Max.

309 Stainless Steel Hi-Temp Tool Wrap

Part. No	Size	Wt./Lbs
PTPXW-25	.002 x 24" x 25'	4.20
PTPXW-50	.002 x 24" x 50'	8.40
PTPXW-100	.002 x 24" x 100'	16.80

Material Guide:

- Pro-Tec Pak Stainless Steel Tool Wrap.
- Scale-free heat treating of tool parts.
- Recommended for research and development.
- Up to 2,250° max. temp.
- Each roll contains 1 crimping tool/seam roller.
- ASTM-A-240.

Stainless Steel Type 309 Annealed Typical Analysis

Chromium	22.00-24.00
Nickel	12.00-15.00
Manganese	2.00
Silicon	.750
Carbon	.20
Phosphorus	.045
Sulfur	.030
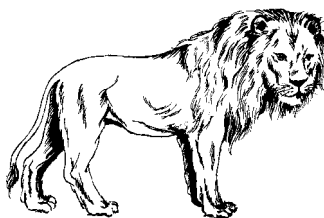
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Stainless Steel Slotted Shim Kits

Full Kit Types

	Dimensions	Slot Size	Wt./Lbs
A	2" x 2"	5/8"	11.70
B	3" x 3"	3/4"	25.70
C	4" x 4"	1-1/4"	43.20
D	5" x 5"	1-5/8"	62.50

Full Kits

Contains 20 pieces of each of the following sizes: .001, .002, .003, .004, .005, .010, .015, .020, .025, .050, .075, .100, .125

- Slotted shims are produced from 300 series stainless steel with rounded corners.

- Corrosion resistant and dimensionally stable slotted widths accommodate most motors.
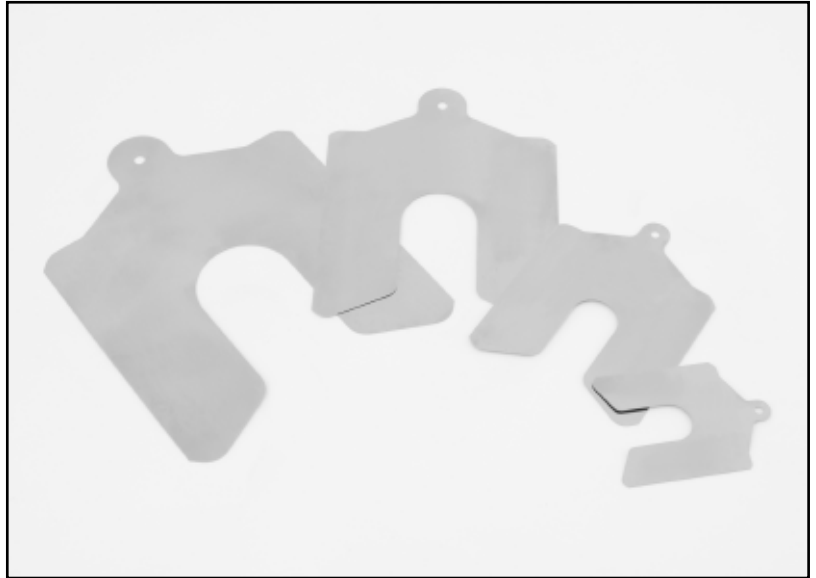
Replacement Kits

Includes 20 pieces of each size per pack: .001, .002, .003, .004, .005, .010, .015, .020, .025, .050, .075, .100, .125

Replacement Kits	Weight per pack/Lbs		
	A	B	C	D
---	---	---	---	---
.001	.03	.07	.11	.17
.002	.05	.12	.19	.30
.003	.07	.15	.27	.43
.004	.09	.21	.35	.54
.005	.11	.25	.43	.65
.010	.21	.48	.81	1.28
.015	.32	.76	1.30	1.98
.020	.44	.98	1.70	2.60
.025	.54	1.22	2.10	3.22
.050	1.08	2.44	4.12	6.64
.075	1.56	3.60	6.12	9.44
.100	2.04	4.88	8.28	12.56
.125	2.52	5.80	9.92	15.28
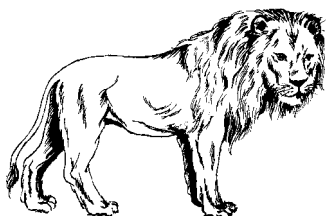
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Stainless Steel Shim Stock

Stainless Steel

Thickness	6" x 50" rolls		6" x 100" rolls		12" x 50" rolls		12" x 100" rolls	
	Part No.	Wt./Lbs	Part No.	Wt./Lbs	Part No.	Wt./Lbs	Part No.	Wt./Lbs
0.0005/.0127mm	SS-X	.04	SSH-X	.09	SSW-X	.09	SSHW-X	.18
0.001/.025mm	SS-1	.09	SSH-1	.18	SSW-1	.18	SSHW-1	.36
0.0015/.038mm	SS-1X	.14	SSH-1X	.28	SSW-1X	.28	SSHW-1X	.56
0.002/.051mm	SS-2	.18	SSH-2	.36	SSW-2	.36	SSHW-2	.72
0.003/.076mm	SS-3	.26	SSH-3	.52	SSW-3	.52	SSHW-3	1.04
0.004/.102mm	SS-4	.35	SSH-4	.70	SSW-4	.70	SSHW-4	1.40
0.005/.127mm	SS-5	.44	SSH-5	.88	SSW-5	.88	SSHW-5	1.76
0.006/.152mm	SS-6	.53	SSH-6	1.06	SSW-6	1.06	SSHW-6	2.12
0.007/.178mm	SS-7	.62	SSH-7	1.24	SSW-7	1.24	SSHW-7	2.48
0.008/.203mm	SS-8	.70	SSH-8	1.40	SSW-8	1.40	SSHW-8	2.80
0.009/.229mm	SS-9	.79	SSH-9	1.58	N/A	-	N/A	-
0.010/.254mm	SS-10	.88	SSH-10	1.76	SSW-10	1.76	SSHW-10	3.52
0.012/.305mm	SS-12	1.05	SSH-12	2.10	SSW-12	2.10	SSHW-12	4.20
0.015/.381mm	SS-15	1.32	SSH-15	2.64	SSW-15	2.64	SSHW-15	5.28
0.020/.508mm	SS-20	1.76	SSH-20	3.52	SSW-20	3.52	SSHW-20	7.04
0.025/.635mm	SS-25	2.19	SSH-25	4.38	SSW-25	4.38	SSHW-25	8.76
0.031/.787mm	SS-31	2.72	SSH-31	5.44	SSW-31	5.44	SSHW-31	10.88

Assortments

SS/EC　　　　　　　　　　　　　　**Weight: .97 lbs**
6" x 50" assortment contains one piece of each of the following sizes:
.001, .002, .003, .005

SSA-8　　　　　　　　　　　　　　**Weight: 1.45 lbs**
6" x 12" assortment contains one piece of each of the following sizes:
.001, .002, .003, .005, .008, .010, .015, .020

SSA-12　　　　　　　　　　　　　**Weight: 2.06 lbs**
6" x 12" assortment contains one piece of each of the following sizes:
.001, .0015, .002, .003, .004, .005, .006, .007, .008 , .010, .012, .015

SSA-15　　　　　　　　　　　　　**Weight: 3.23 lbs**
6" x 12" assortment contains one piece of each of the following sizes:
.001, .0015, .002, .003, .004, .005, .006, .007, .008 , .010, .012, .015, .020, .025, .031

Material Guide:

- Type 302 Full Hard.
- Approximate Rockwell hardness of C 40-45.
- Tensile strength 185,000 PSI minimum.
- Yield strength 140,000 PSI minimum.
- Complies with ASTM A-666 and AMS-5906, QQ-S-766.

Flat Pieces

Thickness	6" x 25" (2 pcs/pk)		6" x 25" (10 pcs/pk)	
	Part No.	Wt./Lbs	Part No.	Wt./Lbs
.010/.254mm	SSF-10	.88	SSFP-10	4.40
.012/.305mm	SSF-12	1.05	SSFP-12	5.25
.015/.381mm	SSF-15	1.32	SSFP-15	6.60
.020/.508mm	SSF-20	1.76	SSFP-20	8.80
.025/.635mm	SSF-25	2.19	SSFP-25	10.95
.031/.787mm	SSF-31	2.72	SSFP-31	13.60
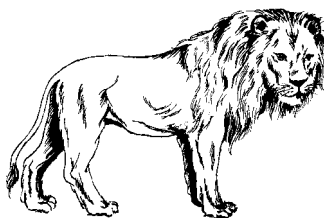
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Stainless Steel Shim Stock

302 Full Hard Stainless Steel Shim Stock
24" x 50" Rolls

Thickness	Part No.	Wt./Lbs
.001/.025mm	SSNW-1	.35
.002/.051mm	SSNW-2	.70
.003/.076mm	SSNW-3	1.04
.004/.102mm	SSNW-4	1.39
.005/.127mm	SSNW-5	1.74
.006/.152mm	SSNW-6	2.09
.007/.178mm	SSNW-7	2.44
.008/.203mm	SSNW-8	2.78
.010/.254mm	SSNW-10	3.48
.012/.305mm	SSNW-12	4.18
.015/.381mm	SSNW-15	5.22
.020/.508mm	SSNW-20	6.96
.025/.635mm	SSNW-25	8.70
.031/.787mm	SSNW-31	10.79

Aluminum Shim Stock

Aluminum Shim Stock
6" x 100" Rolls

Thickness	Part No.	Wt./Lbs
.001/.025mm	AL-1	.06
.002/.051mm	AL-2	.12
.003/.076mm	AL-3	.18
.004/.102mm	AL-4	.24
.005/.127mm	AL-5	.29
.006/.152mm	AL-6	.35
.008/.203mm	AL-8	.47
.010/.254mm	AL-10	.60
.015/.381mm	AL-15	.90
.020/.508mm	AL-20	1.20
.025/.635mm	AL-25	1.46
.032/.787mm	AL-32	1.90

Material Guide:

• 1100 series H-18 /19 Aluminum.

• Highly malleable and ductile.

• High electrical and heat conductivity.

• Excellent cold working properties.

• Corrosion resistant.

• Light weight.

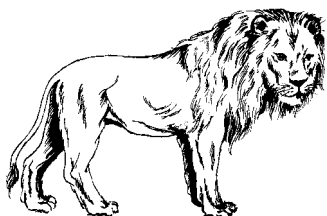• Tensile strength 22,000 PSI minimum.

• QQ-A-250/1, ASTM-B-209.

Assortments

AL/EC   **Weight: .33 lbs**

6" x 50" assortment contains one roll each of the following thickness: .001, .002, .003, .005

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301 Tempered Stainless Steel Mini Coils

Thickness	Wt./Lbs
.002 x ¾" x 10'	.05
.002 x 1" x 5'	.03
.002 x 2" x 5'	.07
.003 x ¼" x 10'	.03
.003 x ½" x 10'	.05
.003 x 2" x 5'	.10
.003 x 3" x 5'	.16
.004 x ½" x 10'	.07
.004 x 1" x 5'	.07
.004 x 2" x 5'	.14
.004 x 4" x 5'	.28
.005 x ⅛" x 10'	.02
.005 x ¼" x 10'	.04
.005 x ½" x 10'	.09
.005 x 1" x 5'	.09
.005 x 2" x 5'	.17
.006 x ⅜" x 10'	.08
.006 x ½" x 10'	.10
.006 x ⅝" x 10'	.13
.006 x ¾" x 5'	.08
.006 x 1" x 5'	.10
.006 x 2" x 5'	.21
.007 x ¼" x 10'	.06
.007 x ⅜" x 10'	.09
.007 x ½" x 10'	.12
.007 x ¾" x 5'	.09
.007 x 1" x 5'	.12
.007 x 3" x 5'	.37
.008 x ¼" x 10'	.07
.008 x ⅜" x 10'	.10
.008 x ½" x 5'	.07
.008 x ¾" x 5'	.10
.008 x 1" x 5'	.14
.008 x 2" x 5'	.28
.008 x 3" x 5'	.42

Thickness	Wt./Lbs
.010 x ⅛" x 10'	.04
.010 x ¼" x 10'	.09
.010 x ½" x 10'	.17
.010 x ⅝" x 10'	.22
.010 x ¾" x 10'	.26
.010 x 1" x 10'	.35
.010 x 2" x 5'	.35
.010 x 3" x 5'	.52
.010 x 4" x 5'	.70

Thickness	Wt./Lbs
.012 x ¼" x 10'	.10
.012 x ⅜" x 10'	.16
.012 x ½" x 10'	.21
.012 x ¾" x 10'	.31
.012 x 1" x 10'	.42
.012 x 2" x 5'	.42
.012 x 4" x 5'	.84

Thickness	Wt./Lbs
.015 x ⅛" x 10'	.07
.015 x ¼" x 10'	.13
.015 x ½" x 10'	.26
.015 x ¾" x 10'	.39
.015 x 1" x 10'	.52
.015 x 2" x 5'	.52
.015 x 3" x 5'	.78
.020 x ¼" x 10'	.17
.020 x ⅜" x 10'	.26
.020 x ½" x 10'	.35
.020 x ¾" x 10'	.52
.020 x 1" x 10'	.70
.020 x 2" x 10'	1.39
.020 x 3" x 5'	1.04
.020 x 4" x 5'	1.39
.020 x 6" x 5'	2.09
.025 x ¼" x 10'	.22
.025 x ½" x 10'	.44
.025 x ⅝" x 10'	.54
.025 x ¾" x 10'	.65
.025 x 1" x 10'	.87
.025 x 2" x 5'	.87
.025 x 3" x 5'	1.31
.025 x 4" x 5'	1.74
.031 x ¼" x 10'	.27
.031 x ⅜" x 10'	.40
.031 x ½" x 10'	.54
.031 x ¾" x 10'	.81
.031 x 1" x 5'	.54
.031 x 2" x 5'	1.08
.031 x 3" x 5'	1.62
.031 x 4" x 5'	2.16

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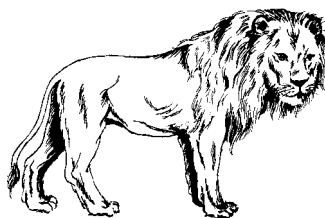**www.lyonindustries.com**

301 Tempered Stainless Steel Coils

Thickness	Wt./Lbs	Thickness	Wt./Lbs	Thickness	Wt./Lbs
.002 x ¾" x 75'	.39	.008 x ¼" x 100'	.70	.020 x ¼" x 100'	1.74
.002 x 1" x 25'	.17	.008 x ⅜" x 100'	1.04	.020 x ⅜" x 100'	2.61
.002 x 2" x 25'	.35	.008 x ½" x 100'	1.39	.020 x ½" x 100'	3.48
.002 x 6" x 10'	.42	.008 x ¾" x 50'	1.04	.020 x ¾" x 100'	5.22
.002 x 12" x 10'	.84	.008 x 1" x 50'	1.39	.020 x 1" x 100'	6.96
		.008 x 2" x 50'	2.78	.020 x 2" x 50'	6.96
.003 x ¼" x 100'	.17	.008 x 3" x 50'	4.18	.020 x 3" x 25'	5.22
.003 x ½" x 100'	.35	.008 x 6" x 10'	1.67	.020 x 4" x 25'	6.96
.003 x 2" x 50'	.70	.008 x 8" x 10'	2.23	.020 x 6" x 20'	8.35
.003 x 3" x 25'	.52	.008 x 10" x 10'	2.78	.020 x 8" x 10'	5.57
.003 x 6" x 10'	.42	.008 x 12" x 10'	3.34	.020 x 10" x 10'	6.96
.003 x 12" x 10'	.84			.020 x 12" x 10'	8.35
		.010 x ⅛" x 100'	.44		
.004 x ½" x 100'	.70	.010 x ¼" x 100'	.87	.025 x ¼" x 100'	2.18
.004 x 1" x 50'	.70	.010 x ½" x 100'	1.74	.025 x ½" x 100'	4.35
.004 x 2" x 50'	1.39	.010 x ⅝" x 100'	2.18	.025 x ⅝" x 100'	5.44
.004 x 4" x 25'	1.39	.010 x ¾" x 100'	2.61	.025 x ¾" x 100'	6.53
.004 x 6" x 10'	.84	.010 x 1" x 100'	3.48	.025 x 1" x 100'	8.70
.004 x 12" x 10'	1.67	.010 2" x 75'	5.22	.025 x 2" x 25'	4.35
		.010 3" x 75'	7.83	.025 x 3" x 25'	6.53
.005 x ⅛" x 100'	.22	.010 x 4" x 50'	6.96	.025 x 4" x 25'	8.70
.005 x ¼" x 100'	.44	.010 x 6" x 20'	4.18	.025 x 6" x 10'	5.22
.005 x ½" x 100'	.87	.010 x 8" x 10'	2.78	.025 x 8" x 10'	6.96
.005 x 1" x 50'	.87	.010 x 10" x 10'	3.48	.025 x 10" x 10'	8.70
.005 x 2" x 50'	1.74	.010 x 12" x 10'	4.18	.025 x 12" x 5'	5.22
.005 x 6" x 10'	1.04				
.005 x 12" x 10'	2.09	.012 x ¼" x 100'	1.04	.031 x ¼" x 100'	2.70
		.012 x ⅜" x 100'	1.57	.031 x ⅜" x 100'	4.05
.006 x ⅜" x 100'	.78	.012 x ½" x 100'	2.09	.031 x ½" x 100'	5.39
.006 x ½" x 100'	1.04	.012 x ¾" x 100'	3.13	.031 x ¾" x 100'	8.09
.006 x ⅝" x 100'	1.31	.012 x 1" x 100'	4.18	.031 x 1" x 25'	2.70
.006 x ¾" x 75'	1.17	.012 x 2" x 75'	6.26	.031 x 2" x 25'	5.39
.006 x 1" x 75'	1.57	.012 x 4" x 25'	4.18	.031 x 3" x 25'	8.09
.006 x 2" x 50'	2.09	.012 x 6" x 20'	5.01	.031 x 4" x 25'	10.79
.006 x 6" x 10'	1.25	.012 x 8" x 10'	3.34	.031 x 6" x 10'	6.47
.006 x 8" x 10'	1.67	.012 x 10" x 10'	4.18	.031 x 8" x 10'	8.63
.006 x 10" x 10'	2.09	.012 x 12" x 10'	5.01	.031 x 10" x 10'	10.79
.006 x 12" x 10'	2.51			.031 x 12" x 5'	6.47
		.015 x ⅛" x 100'	.65		
.007 x ¼" x 100'	.61	.015 x ¼" x 100'	1.31		
.007 x ⅜" x 100'	.91	.015 x ½" x 100'	2.61		
.007 x ½" x 100'	1.22	.015 x ¾" x 100'	3.92		
.007 x ¾" x 50'	.91	.015 x 1" x 100'	5.22		
.007 x 1" x 50'	1.22	.015 x 2" x 75'	7.83		
.007 x 3" x 25'	1.83	.015 x 3" x 25'	3.92		
.007 x 6" x 10'	1.46	.015 x 6" x 20'	6.26		
.007 x 8" x 10'	1.95	.015 x 8" x 10'	4.18		
.007 x 10" x 10'	2.44	.015 x 10" x 10'	5.22		
.007 x 12" x 10'	2.92	.015 x 12" x 10'	6.26		

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Blue Tempered Steel Shim Stock

1095 Spring Steel

Part No.	Dimensions (thickness/width/length)	Wt./Lbs
BTS-2	.002/.051mm x 3" x 50"	.09
BTS-3	.003/.076mm x 3" x 50"	.13
BTS-4	.004/.102mm x 6" x 50"	.34
BTS-5	.005/.127mm x 6" x 50"	.43
BTS-6	.006/.152mm x 6" x 50"	.52
BTS-7	.007/.178mm x 6" x 50"	.60
BTS-8	.008/.203mm x 6" x 50"	.69
BTS-10	.010/.254mm x 6" x 50"	.89
BTS-12	.012/.305mm x 6" x 50"	.94
BTS-15	.015/.381mm x 6" x 50"	1.29
BTS-16	.016/.406mm x 6" x 50"	1.37
BTS-18	.018/.457mm x 6" x 50"	1.54
BTS-20	.020/.508mm x 6" x 50"	1.72
BTS-25	.025/.635mm x 6" x 50"	2.14
BTS-28	.028/.711mm x 6" x 50"	2.40
BTS-30	.030/.762mm x 6" x 50"	2.57
BTS-32	.032/.812mm x 6" x 50"	2.74

Assortments
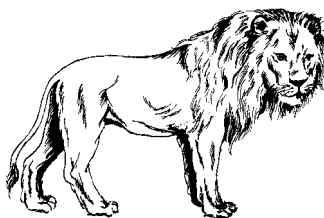
BTA-6 **Weight: 2.18 lbs**

6" x 12" assortment contains one piece of each of the following sizes: .005, .010, .015, .020, .025, .032

Material Guide:

- C1095 Blue Tempered and Polished Spring Steel.
- Rockwell hardness C 48-51.
- Complies with MIL-S-7947, AISI-1095, SAE-1095, and AMS-5122.

Flat Pieces

Thickness	6" x 25" (2 pcs/pk)		6" x 25" (10 pcs/pk)		12⅜" x 48" (1 pc/pk)	
	Part No.	Wt./Lbs	Part No.	Wt./Lbs	Part No.	Wt./Lbs
.008/.203mm	BTSF-8	.69	BTSFP-8	3.45	N/A	-
.010/.254mm	BTSF-10	.89	BTSFP-10	4.45	BTF-10	1.68
.012/.305mm	BTSF-12	.94	BTSFP-12	4.70	BTF-12	2.02
.015/.381mm	BTSF-15	1.29	BTSFP-15	6.45	BTF-15	2.52
.018/.457mm	BTSF-18	1.54	BTSFP-18	7.70	N/A	-
.020/.508mm	BTSF-20	1.72	BTSFP-20	8.60	BTF-20	3.37
.025/.635mm	BTSF-25	2.14	BTSFP-25	10.70	BTF-25	4.21
.028/.711mm	BTSF-28	2.40	BTSFP-28	12.00	N/A	-
.030/.762mm	BTSF-30	2.57	BTSFP-30	12.85	BTF-30	5.05
.032/.812mm	BTSF-32	2.74	BTSFP-32	13.70	BTF-32	5.39
.035/.889mm	BTSF-35	2.98	BTSFP-35	14.90	BTF-35	5.89
.042/1.067mm	BTSF-42	3.56	BTSFP-42	17.80	BTF-42	7.07
.050/1.270mm	BTSF-50	4.24	BTSFP-50	21.20	BTF-50	8.42
.062/1.575mm	BTSF-62	5.26	BTSFP-62	26.30	BTF-62	10.43

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1095 Blue Tempered Spring Steel Coils

Thickness	Wt./Lbs	Thickness	Wt./Lbs	Thickness	Wt./Lbs
.002 x ¾" x 50'	.26	.008 x 2" x 50'	2.72	.015 x 6" x 20'	6.12
.002 x 1" x 50'	.34	.008 x 3" x 25'	2.04	.015 x 8" x 10'	4.08
.002 x 2" x 25'	.34	.008 x 6" x 10'	1.63	.015 x 10" x 10'	5.10
.002 x 3" x 25'	.51			.015 x 12⅜" x 10'	6.31
		.010 x ¼" x 100'	.25		
.003 x ½" x 100'	.51	.010 x ⅜" x 100'	1.28	.016 x ¼" x 100'	1.36
.003 x 1" x 50'	.51	.010 x ½" x 100'	1.70	.016 x ½" x 100'	2.72
.003 x 2" x 50'	1.02	.010 x ⅝" x 100'	2.13	.016 x ⅝" x 100'	3.40
.003 x 3" x 25'	.77	.010 x ¾" x 100'	2.55	.016 x ¾" x 100'	4.08
		.010 x ⅞" x 100'	2.98	.016 x 1" x 100'	5.44
.004 x ½" x 100'	.68	.010 x 1" x 100'	3.40	.016 x 1½" x 75'	6.12
.004 x 1" x 100'	1.36	.010 x 1¼" x 100'	4.25	.016 x 3" x 25'	4.08
.004 x 2" x 50'	1.36	.010 x 1½" x 75'	3.83	.016 x 6" x 20'	6.53
.004 x 4" x 25'	1.36	.010 x 2" x 75'	5.10	.016 x 8" x 10'	4.35
.004 x 6" x 10'	.82	.010 x 2½" x 50'	4.25	.016 x 12⅜" x 10'	6.73
		.010 x 3" x 50'	5.10		
.005 x ¼" x 100'	.43	.010 x 4" x 25'	3.40	.018 x ⅛" x 100'	.77
.005 x ⅜" x 100'	.64	.010 x 6" x 25'	5.10	.018 x ½" x 100'	3.06
.005 x ½" x 100'	.85	.010 x 8" x 25'	6.80	.018 x ¾" x 100'	4.59
.005 x ¾" x 100'	1.28	.010 x 10" x 20'	6.80	.018 x 1" x 100'	6.12
.005 x 1" x 100'	1.70	.010 x 12⅜" x 20'	8.42	.018 x 2" x 50'	6.12
.005 x 1½" x 100'	2.55			.018 x 3" x 25'	4.59
.005 x 2" x 50'	1.70	.012 x 3⁄16" x 100'	.77	.018 x 4" x 25'	6.12
.005 x 3" x 25'	1.28	.012 x ¼" x 100'	1.02	.018 x 6" x 20'	7.34
.005 x 6" x 10'	1.02	.012 x ⅜" x 100'	1.53	.018 x 8" x 10'	4.90
		.012 x ½" x 100'	2.04	.018 x 10" x 10'	6.12
.006 x ⅜" x 100'	.77	.012 x ¾" x 100'	3.06	.018 x 12⅜" x 10'	7.57
.006 x ½" x 100'	1.02	.012 x 1" x 100'	4.08		
.006 x ⅝" x 100'	1.28	.012 x 2" x 50'	4.08	.020 x ⅛" x 100'	.85
.006 x ¾" x 100'	1.53	.012 x 3" x 50'	6.12	.020 x ¼" x 100'	1.70
.006 x 1" x 100'	2.04	.012 x 4" x 25'	4.08	.020 x 5⁄16" x 100'	2.13
.006 x 2" x 50'	2.04	.012 x 6" x 25'	6.12	.020 x ⅜" x 100'	2.55
.006 x 6" x 10'	1.22	.012 x 8" x 20'	6.53	.020 x ½" x 100'	3.40
		.012 x 10" x 20'	8.16	.020 x ⅝" x 100'	4.25
.007 x ¼" x 100'	.60	.012 x 12⅜" x 20'	10.10	.020 x ¾" x 100'	5.10
.007 x ⅜" x 100'	.89			.020 x 1" x 100'	6.80
.007 x ½" x 100'	1.19	.015 x ⅛" x 100'	.64	.020 x 1½" x 50'	5.10
.007 x ¾" x 100'	1.79	.015 x ¼" x 100'	1.28	.020 x 2" x 50'	6.80
.007 x 1" x 100'	2.38	.015 x 5⁄16" x 100'	1.59	.020 x 3" x 25'	5.10
.007 x 1½" x 50'	1.79	.015 x ⅜" x 100'	1.91	.020 x 4" x 25'	6.80
.007 x 2" x 50'	2.38	.015 x ½" x 100'	2.55	.020 x 6" x 20'	8.16
.007 x 3" x 25'	1.79	.015 x ⅝" x 100'	3.19	.020 x 8" x 10'	5.44
.007 x 6" x 10'	1.43	.015 x ¾" x 100'	3.83	.020 x 10" x 10'	6.80
		.015 x 1" x 100'	5.10	.020 x 12⅜" x 6'	5.05
.008 x ¼" x 100'	.68	.015 x 1¼" x 100'	6.38		
.008 x ⅜" x 100'	1.02	.015 x 1½" x 75'	7.65	.022 x ¼" x 100'	1.87
.008 x ½" x 100'	1.36	.015 x 2" x 50'	5.10	.022 x ⅜" x 100'	2.81
.008 x ¾" x 100'	2.04	.015 x 3" x 50'	7.65	.022 x ½" x 100'	3.74
.008 x 1" x 100'	2.72	.015 x 4" x 25'	5.10	.022 x ¾" x 100'	5.61

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1095 Blue Tempered Spring Steel Coils

Thickness	Wt./Lbs
.022 x ⅞" x 100'	6.55
.022 x 1" x 100'	7.48
.022 x 1½" x 50'	5.61
.022 x 2" x 50'	7.48
.022 x 3" x 25'	5.61
.022 x 4" x 25'	7.48
.022 x 6" x 10'	4.49
.022 x 8" x 10'	5.98
.022 x 10" x 10'	7.48
.022 x 12⅜" x 8'	7.41
.025 x ¼" x 100'	2.13
.025 x ⁵⁄₁₆" x 100'	2.66
.025 x ⅜" x 100'	3.19
.025 x ½" x 100'	4.25
.025 x ⅝" x 100'	5.31
.025 x ¾" x 100'	6.38
.025 x ⅞" x 100'	7.44
.025 x 1" x 75'	6.38
.025 x 1¼" x 50'	5.31
.025 x 1½" x 50'	6.38
.025 x 2" x 50'	8.50
.025 x 3" x 25'	6.38
.025 x 4" x 10'	3.40
.025 x 6" x 10'	5.10
.025 x 8" x 10'	6.80
.025 x 10" x 10'	8.50
.025 x 12⅜" x 5'	5.26
.028 x ⅛" x 100'	1.19
.028 x ¼" x 100'	2.38
.028 x ⅜" x 100'	3.57
.028 x ½" x 100'	4.76
.028 x ⅝" x 100'	5.95
.028 x ¾" x 100'	7.14
.028 x 1" x 75'	7.14
.028 x 2" x 25'	4.76
.028 x 3" x 25'	7.14
.028 x 6" x 10'	5.71
.028 x 8" x 10'	7.62
.028 x 10" x 9'	8.57
.028 x 12⅜" x 5'	5.89
.030 x 6" x 10'	6.12
.030 x 8" x 10'	8.16
.030 x 10" x 10'	10.20
.030 x 12⅜" x 5'	6.31

Thickness	Wt./Lbs
.032 x ¼" x 100'	2.72
.032 x ⁵⁄₁₆" x 100'	3.40
.032 x ⅜" x 100'	4.08
.032 x ½" x 100'	5.44
.032 x ⅝" x 100'	6.80
.032 x ¾" x 100'	8.16
.032 x 1" x 50'	5.44
.032 x 1¼" x 50'	6.80
.032 x 1½" x 50'	8.16
.032 x 2" x 25'	5.44
.032 x 2½" x 20'	5.44
.032 x 3" x 20'	6.53
.032 x 4" x 20'	8.70
.032 x 6" x 10'	13.06
.032 x 8" x 10'	8.70
.032 x 10" x 10'	10.88
.032 x 12⅜" x 5'	6.73
.035 x ¼" x 100'	2.98
.035 x ⅜" x 100'	4.46
.035 x ½" x 100'	5.95
.035 x ¾" x 75'	6.69
.035 x 1" x 50'	5.95
.035 x 1½" x 50'	8.93
.035 x 2" x 25'	5.95
.035 x 3" x 20'	7.14
.035 x 6" x 10'	7.14
.035 x 8" x 10'	9.52
.035 x 10" x 7'	8.33
.035 x 12⅜" x 7'	10.31
.042 x ¼" x 100'	3.57
.042 x ⅜" x 100'	5.36
.042 x ½" x 100'	7.14
.042 x ⅝" x 75'	6.69
.042 x ¾" x 50'	5.36
.042 x 1" x 50'	7.14
.042 x 1¼" x 25'	4.46
.042 x 1½" x 25'	5.36
.042 x 2" x 25'	7.14
.042 x 3" x 20'	8.57
.042 x 4" x 10'	5.71
.042 x 6" x 9'	7.71
.042 x 8" x 7'	8.00
.042 x 10" x 5'	7.14
.042 x 12⅜" x 5'	8.84

Thickness	Wt./Lbs
.050 x ¼" x 100'	4.25
.050 x ⅜" x 100'	6.38
.050 x ½" x 100'	8.50
.050 x ⅝" x 50'	5.31
.050 x ¾" x 50'	6.38
.050 x 1" x 50'	8.50
.050 x 1¼" x 25'	5.31
.050 x 1½" x 25'	6.38
.050 x 2" x 25'	8.50
.050 x 3" x 10'	5.10
.050 x 4" x 10'	6.80
.050 x 6" x 7½'	7.65
.050 x 8" x 6'	8.16
.050 x 10" x 4'	6.80
.050 x 12⅜" x 3'	6.31
.062 x ¼" x 100'	5.27
.062 x ⅜" x 100'	7.91
.062 x ½" x 50'	5.27
.062 x ⅝" x 50'	6.59
.062 x ¾" x 50'	7.91
.062 x 1" x 25'	5.27
.062 x 1¼" x 25'	6.59
.062 x 1½" x 25'	7.91
.062 x 1¾" x 20'	7.38
.062 x 2" x 20'	8.43
.062 x 2½" x 10'	5.27
.062 x 3" x 10'	6.32
.062 x 4" x 7'	5.90
.062 x 6" x 6½'	8.22
.062 x 8" x 5'	8.43
.062 x 10" x 3½'	7.38
.062 x 12⅜" x 2'	5.22

Material Guide:

- C1095 Blue Tempered and Polished Spring Steel.
- Rockwell hardness C 48-51.
- Complies with MIL-S-7947, AISI-1095, SAE-1095, AMS-5122.
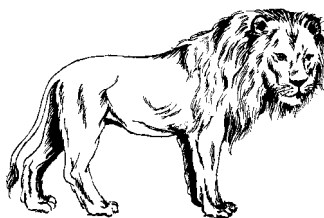
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Cold Rolled Steel Shim Stock

Steel

Thickness	6" x 100" Part No.	Wt./Lbs	6" x 180" Part No.	Wt./Lbs	12" x 120" Part No.	Wt./Lbs
0.001/.025mm	CRS-1	.25	CRX-1	.40	CRW-1	.87
0.0015/.038mm	CRS-1X	.26	CRX-1X	.54	N/A	-
0.002/.051mm	CRS-2	.42	CRX-2	.68	CRW-2	1.09
0.003/.076mm	CRS-3	.58	CRX-3	1.03	CRW-3	1.48
0.004/.102mm	CRS-4	.72	CRX-4	1.31	CRW-4	1.90
0.005/.127mm	CRS-5	.96	CRX-5	1.66	CRW-5	2.28
0.006/.152mm	CRS-6	1.14	CRX-6	1.96	CRW-6	2.72
0.007/.178mm	CRS-7	1.31	CRX-7	2.03	CRW-7	3.05
0.008/.203mm	CRS-8	1.52	CRX-8	2.73	CRW-8	3.63
0.009/.229mm	CRS-9	1.66	CRX-9	3.02	CRW-9	4.15
0.010/.254mm	CRS-10	1.83	CRX-10	3.31	CRW-10	4.64
0.012/.305mm	CRS-12	2.24	CRX-12	4.07	CRW-12	5.35
0.015/.381mm	CRS-15	2.76	CRX-15	5.03	CRW-15	6.69
0.020/.508mm	CRS-20	3.85	CRX-20	6.54	CRW-20	9.28
0.025/.635mm	CRS-25	5.04	CRX-25	8.41	CRW-25	11.25
0.031/.787mm	CRS-31	6.58	CRX-31	10.33	CRW-31	13.58

Assortments

CR/EC   **Weight: .94 lbs**
6" x 50" assortment contains one piece of each of the following sizes:
.001, .002, .003, .005

CRA-12   **Weight: 1.74 lbs**
6" x 12" assortment contains one piece of each of the following sizes:
.001, .0015, .002, .003, .004, .005, .006, .007, .008 , .010, .012, .015

CRA-12X   **Weight: 2.28 lbs**
6" x 18" assortment contains one piece of each of the following sizes:
.001, .0015, .002, .003, .004, .005, .006, .007, .008 , .010, .012, .015

CRA-15   **Weight: 3.29 lbs**
6" x 12" assortment contains one piece of each of the following sizes:
.001, .0015, .002, .003, .004, .005, .006, .007, .008 , .010, .012, .015, .020, .025, .031

**CRA-15X**   **Weight: 4.61 lbs**
6" x 18" assortment contains one piece of each of the following sizes:
.001, .0015, .002, .003, .004, .005, .006, .007, .008 , .010, .012, .015, .020, .025, .031

Material Guide:

• C1010 Cold Rolled, Full Hard Steel.

• Rockwell hardness of B90 minimum.

• Complies with QQ-S-698 and ASTM-A-109.

Flat Pieces

Thickness	6" x 25" (2 pcs/pk) Part No.	Wt./Lbs	6" x 25" (10 pcs/pk) Part No.	Wt./Lbs
.010	CRF-10	.92	CRFP-10	4.60
.012	CRF-12	1.45	CRFP-12	7.25
.015	CRF-15	1.73	CRFP-15	8.65
.020	CRF-20	2.15	CRFP-20	10.75
.025	CRF-25	2.58	CRFP-25	12.90
.031	CRF-31	3.09	CRFP-31	15.45
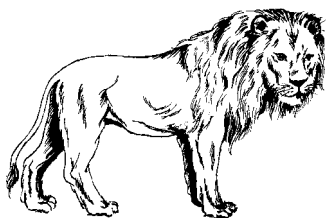
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Brass Shim Stock

Brass

Thickness	6" x 100" Rolls		6" x 60" Rolls		12" x 120" Rolls	
	Part No.	Wt./Lbs	Part No.	Wt./Lbs	Part No.	Wt./Lbs
0.001/.025mm	BRS-1	.19	BRX-1	.11	BRW-1	.45
0.0015/.038mm	BRS-1X	.28	BRX-1X	.18	N/A	-
0.002/.051mm	BRS-2	.37	BRX-2	.20	BRW-2	.89
0.003/.076mm	BRS-3	.55	BRX-3	.33	BRW-3	1.33
0.004/.102mm	BRS-4	.74	BRX-4	.45	BRW-4	1.78
0.005/.127mm	BRS-5	.93	BRX-5	.56	BRW-5	2.22
0.006/.152mm	BRS-6	1.11	BRX-6	.67	BRW-6	2.66
0.007/.178mm	BRS-7	1.30	BRX-7	.78	N/A	-
0.008/.203mm	BRS-8	1.48	BRX-8	.89	BRW-8	3.55
0.009/.229mm	BRS-9	1.66	BRX-9	1.00	N/A	-
0.010/.254mm	BRS-10	1.85	BRX-10	1.10	BRW-10	4.44
0.012/.305mm	BRS-12	2.22	BRX-12	1.40	BRW-12	5.32
0.015/.381mm	BRS-15	2.77	BRX-15	1.70	BRW-15	6.65
0.020/.508mm	BRS-20	3.70	BRX-20	2.20	BRW-20	8.87
0.025/.635mm	BRS-25	4.62	BRX-25	2.80	BRW-25	11.09
0.031/.787mm	BRS-31	5.73	BRX-31	3.44	BRW-31	13.75

Assortments

BR/EC   **Weight: 1.01 lbs**

6" x 50" assortment contains one piece of each of the following sizes:
.001, .002, .003, .005

BRA-12   **Weight: 1.65 lbs**

6" x 12" assortment contains one piece of each of the following sizes:
.001, .0015, .002, .003, .004, .005, .006, .007, .008 , .010, .012, .015

BRA-12X   **Weight: 2.48 lbs**

6" x 18" assortment contains one piece of each of the following sizes:
.001, .0015, .002, .003, .004, .005, .006, .007, .008 , .010, .012, .015

BRA-15   **Weight: 3.33 lbs**

6" x 12" assortment contains one piece of each of the following sizes:
.001, .0015, .002, .003, .004, .005, .006, .007, .008 , .010, .012, .015, .020, .025, .031

BRA-15X   **Weight: 5.01 lbs**

6" x 18" assortment contains one piece of each of the following sizes:
.001, .0015, .002, .003, .004, .005, .006, .007, .008 , .010, .012, .015, .020, .025, .031


Material Guide:

- CDA-260 (70/30) half hard.
- Rockwell hardness 30T 56-68.
- Tensile strength 57,000-67,000 PSI.
- Complies with ASTM-B-19, SAE-CA 260, ASTM-B-36, QQ-B-613.

Flat Pieces

Thickness	6" x 25" (2pcs/pk)		6" x 25" (10pcs/pk)	
	Part No.	Wt./Lbs	Part No.	Wt./Lbs
0.010/.254mm	BRF-10	.92	BRFP-10	4.60
0.012/.305mm	BRF-12	1.10	BRFP-12	5.50
0.015/.381mm	BRF-15	1.38	BRFP-15	6.90
0.020/.508mm	BRF-20	1.84	BRFP-20	9.20
0.025/.635mm	BRF-25	2.30	BRFP-25	11.50
0.031/.787mm	BRF-31	2.86	BRFP-31	14.30
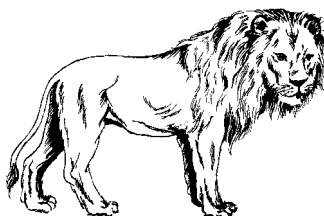
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Phosphor Bronze Shim Stock

Phosphor Bronze Shim Stock

Thickness	6" x 96" Rolls		6" x 50" Rolls	
	Part No.	Wt./Lbs	Part No.	Wt./Lbs
.005/.127mm	PB-5	.92	PBX-5	.43
.008/.203mm	PB-8	1.48	PBX-8	.69
.010/.254mm	PB-10	1.85	PBX-10	.86
.013/.330mm	PB-13	2.40	PBX-13	1.12
.016/.406mm	PB-16	2.95	PBX-16	1.37
.020/.508mm	PB-20	3.69	PBX-20	1.72
.025/.635mm	PB-25	4.60	PBX-25	2.14
.032/.812mm	PB-32	5.90	PBX-32	2.74
.040/1.02mm	PB-40	7.38	PBX-40	3.43
.050/1.27mm	PB-50	9.22	PBX-50	4.28
.064/1.63mm	PB-64	11.81	PBX-64	5.48

We welcome the opportunity to quote on special items. If there is an item that is not listed in our catalog, please allow us to create a quote to meet your requirements.

Assortments

PBA-8　　　　　　　　　　　　　　**Weight: 2.98 lbs**
6" x 12" assortment contains one piece of each of the following sizes: .005, .008, .010, .013, .016, .020, .025, .032

Material Guide:

• Alloy 510 spring tempered grade A.

• Hard, resilient, fatigue resistant.

• Excellent electrical properties.

• Great cold working properties.

• Corrosion resistant.

• May be soldered and welded.

• Tensile strength 95,000-110,000 PSI.

• Complies with ASTM-B-103 and AMS-4510.

Flat Pieces

Thickness	6" x 25" (2pcs)		6" x 25" (10pcs)	
	Part No.	Wt./Lbs	Part No.	Wt./Lbs
.013/.330mm	PBF-13	1.24	PBFP-13	6.20
.016/.406mm	PBF-16	1.54	PBFP-16	7.70
.020/.508mm	PBF-20	1.92	PBFP-20	9.60
.025/.635mm	PBF-25	2.40	PBFP-25	12.00
.032/.812mm	PBF-32	3.08	PBFP-32	15.40
.040/1.02mm	PBF-40	3.84	PBFP-40	19.20
.050/1.27mm	PBF-50	4.80	PBFP-50	24.00
.064/1.63mm	PBF-64	6.14	PBFP-64	30.70
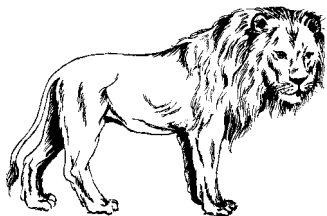
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Copper Shim Stock

Copper Shim Stock

	6" x 100" Rolls		6" x 50" Rolls	
Thickness	*Part No.*	*Wt./Lbs*	*Part No.*	*Wt./Lbs*
.001/.025mm	CU-1	.19	CUX-1	.10
.002/.051mm	CU-2	.38	CUX-2	.19
.003/.076mm	CU-3	.57	CUX-3	.29
.004/.102mm	CU-4	.74	CUX-4	.37
.005/.127mm	CU-5	.92	CUX-5	.46
.006/.152mm	CU-6	1.11	CUX-6	.56
.007/.178mm	CU-7	1.29	CUX-7	.65
.008/.203mm	CU-8	1.48	CUX-8	.74
.010/.254mm	CU-10	1.85	CUX-10	.93
.015/.381mm	CU-15	2.77	CUX-15	1.39
.020/.508mm	CU-20	3.66	CUX-20	1.83
.025/.635mm	CU-25	4.62	CUX-25	2.31
.032/.812mm	CU-32	5.91	CUX-32	2.96

Assortments

CU/EC   **Weight: 1.06 lbs**
6" x 50" assortment contains one piece of each of the following sizes:
.001, .002, .003, .005

CUA-5   **Weight: 1.74 lbs**
6" x 12" assortment contains one piece of each of the following sizes:
.005, .010, .015, .020, .025

Lyon Industries welcomes the opportunity to quote on custom orders. Let us know what you require and we will do our best to fulfill your needs.

Flat Pieces

	6" x 25" (2pcs/pk)		6" x 25" (10pcs/pk)	
Thickness	*Part No.*	*Wt./Lbs*	*Part No.*	*Wt./Lbs*
.010/.254mm	CUF-10	.93	CUFP-10	4.65
.015/.381mm	CUF-15	1.39	CUFP-15	6.95
.020/.508mm	CUF-20	1.83	CUFP-20	9.15
.025/.635mm	CUF-25	2.31	CUFP-25	11.55
.032/.812mm	CUF-32	2.96	CUFP-32	14.80

Material Guide:

- CDA-110 Annealed.
- 99.9% Copper content.
- Highly malleable and ductile.
- High electrical and heat conductivity.
- Excellent cold working properties.
- Plating compatible.
- Tensile strength 26,000-38,000 PSI.
- Complies with ASTM-B-152, QQ-C-576, AMS-4500
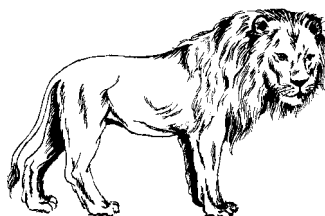
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Laminated Metals

Lyon Laminated Shim Stock complies with:

SAE -AMS -DTL-22499

Compositions

Composition 1 - Aluminum Alloy

Composition 2 - Brass

Composition 3 - Stainless Steel

Composition 4 - Carbon Steel

Types

Type 1 - Fully laminated

Type 2 - One-half solid stock

Type 3 – Three-fourths solid stock

Classes

Class 1 - .002 inch laminations

Class 2 - .003 inch laminations

Aluminum - Brass
Stainless Steel - Mild Steel

Configurations of almost any shape may be fabricated from Lyon Laminated Shim Stock. It may be cut, sawed, stamped, milled or bored to almost any configuration by using standard shop methods of fabrication. Our new, modern method of adhesive bonding makes just-right peeling; no more tearing or ripping of the layers.

Laminated Shim Stock in various thicknesses and sheet sizes is available to meet special customer specifications.

When buying laminated...

Be sure to include the following information when placing your order:

1) Total thickness.

2) Individual laminate thickness (.002 or .003).

3) Certifications if desired.

Tolerances

Tolerance (plus)	Thickness (inch)	Thickness (minus)	Tolerance (plus)	Thickness (inch)	Tolerance (minus)
.001	.006	.0005	.009	.093	.003
.001	.008	.0005	.009	.094	.003
.0015	.010	.0005	.010	.109	.003
.0015	.012	.001	.012	.120	.003
.0015	.015	.001	.012	.121	.003
.0015	.016	.001	.012	.125	.003
.002	.020	.001	.015	.156	.003
.002	.021	.001	.018	.186	.003
.003	.032	.002	.018	.187	.003
.003	.033	.002	.018	.190	.005
.005	.048	.002	.020	.233	.005
.006	.062	.002	.025	.250	.005
.006	.063	.002	.025	.251	.005
.007	.078	.002	.030	.375	.005
.007	.080	.002	.030	.376	.005
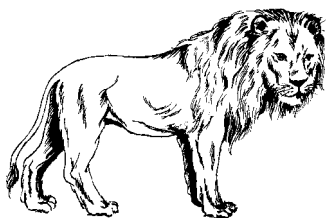
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Laminated Metals

Weight Conversion Chart (lbs.)

Gauge	Brass 8" x 48"	Brass 12" x 48"	Brass 24" x 48"	Mild Steel 20" x 48"	Mild Steel 24" x 48"	Aluminum 24" x 48"	Stainless Steel 20" x 48"	Stainless Steel 24" x 48"
.006	.71	1.06	2.13	1.63	1.96	.68	1.67	2.00
.008	.95	1.42	2.84	2.18	2.61	.85	2.24	2.69
.010	1.18	1.77	3.55	2.72	3.26	1.19	2.80	3.36
.012	1.42	2.13	4.26	3.26	3.92	1.35	3.34	4.00
.016	1.89	2.84	5.68	4.35	5.22	1.7	4.48	5.38
.020	2.37	3.55	7.10	5.44	6.53	2.37	5.60	6.72
.032	3.78	5.68	11.35	8.7	10.44	3.73	8.96	10.75
.048	5.68	8.52	17.03	13.06	15.67	5.42	13.44	16.13
.062	7.33	11.00	22.00	16.80	20.24	7.11	17.36	20.84
.080	9.46	14.19	28.39	21.76	26.11	9.15	22.00	26.40
.094	11.12	16.68	33.35	25.57	30.68	10.50	26.32	31.60
.125	14.78	22.18	44.35	34.00	40.80	14.23	39.72	41.67
.156	18.45	27.68	55.35	42.43	50.92	17.96	43.68	52.42
.190	22.47	33.71	67.42	51.68	62.02	21.34	52.64	63.17
.250	29.57	44.35	88.71	68.00	81.60	28.46	79.54	83.34

Laminated Brass

Laminated Brass

Thickness	12" x 24" Sheets Wt./Lbs .002 lams	12" x 24" Sheets Wt./Lbs .003 lams	Thickness	8" x 24" Sheets Wt./Lbs .002 lams	8" x 24" Sheets Wt./Lbs .003 lams
.006	.53	-	.006	.36	-
.008	.71	-	.008	.48	-
.010	.88	-	.010	.59	-
.016	1.42	1.33	.016	.95	.89
.021	1.77	1.86	.021	1.18	1.24
.032	2.84	2.93	.032	1.89	1.95
.048	4.26	4.26	.048	2.84	2.84
.062	5.50	5.59	.062	3.67	3.73
.094	8.34	8.25	.094	5.56	5.50
.125	11.00	11.18	.125	7.33	7.45

Material Guide:

• CDA 260 half hard Brass.

• .002 fully laminated.

• .003 fully laminated.

• Additional sheet sizes: 8" x 48", 12" x 48", 24" x 48". Pricing available upon request.

• Complies with SAE-AMS-DTL-22499, MIL-S-5697, and QQ-B-613.

It looks and acts solid – but it peels for adjustment. The original adhesive bonded process does not alter the chemical or physical properties of the metal.
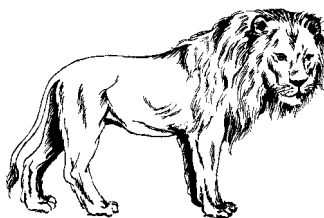
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Laminated Aluminum

Type 1100 H-19

Part No.	Size	Laminations	Wt./Lbs
006AA2	.006 x 12" x 12"	.002	.09
008AA2	.008 x 12" x 12"	.002	.11
010AA2	.010 x 12" x 12"	.002	.15
016AA2	.016 x 12" x 12"	.002	.23
020AA2	.020 x 12" x 12"	.002	.28
032AA2	.032 x 12" x 12"	.002	.45
048AA2	.048 x 12" x 12"	.002	.68
062AA2	.062 x 12" x 12"	.002	.87
094AA2	.094 x 12" x 12"	.002	1.33
125AA2	.125 x 12" x 12"	.002	1.75
016AA3	.016 x 12" x 12"	.003	.21
021AA3	.021 x 12" x 12"	.003	.30
033AA3	.033 x 12" x 12"	.003	.47
048AA3	.048 x 12" x 12"	.003	.68
063AA3	.063 x 12" x 12"	.003	.89
094AA3	.094 x 12" x 12"	.003	1.33
125AA3	.125 x 12" x 12"	.003	1.78

Type 1100 H-19

Part No.	Size	Laminations	Wt./Lbs
006A2	.006 x 24" x 24"	.002	.34
008A2	.008 x 24" x 24"	.002	.45
010A2	.010 x 24" x 24"	.002	.56
016A2	.016 x 24" x 24"	.002	.90
020A2	.020 x 24" x 24"	.002	1.13
032A2	.032 x 24" x 24"	.002	1.81
048A2	.048 x 24" x 24"	.002	2.71
062A2	.062 x 24" x 24"	.002	3.50
094A2	.094 x 24" x 24"	.002	5.31
125A2	.125 x 24" x 24"	.002	7.00
187A2	.187 x 24" x 24"	.002	10.61
250A2	.250 x 24" x 24"	.002	14.11
010A3	.010 x 24" x 24"	.003	.51
016A3	.016 x 24" x 24"	.003	.85
020A3	.020 x 24" x 24"	.003	1.19
032A3	.032 x 24" x 24"	.003	1.86
048A3	.048 x 24" x 24"	.003	2.71
062A3	.062 x 24" x 24"	.003	3.56
094A3	.094 x 24" x 24"	.003	5.25
125A3	.125 x 24" x 24"	.003	7.11
187A3	.187 x 24" x 24"	.003	10.50
250A3	.250 x 24" x 24"	.003	14.06

Material Guide:

- 1100 H-19 Aluminum.
- .002 fully laminated.
- .003 fully laminated.
- Additional sheet sizes: 24" x 48". Pricing available upon request.
- Complies with SAE-AMS-DTL-22499, QQ-A-250/1 and AMS-4013.
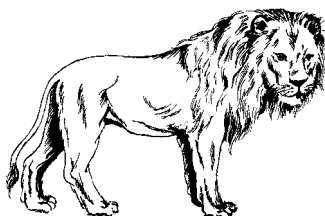
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lyon@lyonindustries.com

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Laminated Mild Steel

Type 1008/1010

Sheets 20" x 24" Thickness	Wt./Lbs .002 lams	Wt./Lbs .003 lams
.006	.82	-
.008	1.09	-
.010	1.36	-
.016	2.18	2.04
.020	2.72	2.86
.032	4.35	4.49
.048	6.53	6.53
.062	8.40	8.57
.094	12.78	12.65
.125	17.00	17.14

Material Guide:

- 1008/1010 Cold Rolled Steel.
- .002 fully laminated.
- .003 fully laminated.
- Additional sheet sizes: 20" x 48" and 24" x 48". Pricing available upon request.
- Complies with SAE-AMS-DTL-22499 and QQ-S-698.

Laminated Stainless Steel

Type 302/304 Annealed

Sheets 20" x 24" Thickness	Wt./Lbs .002 lams	Wt./Lbs .003 lams
.008	.84	-
.010	1.12	-
.016	2.24	2.09
.021	2.78	2.92
.032	4.48	4.59
.048	6.68	6.68
.062	8.68	8.77
.094	13.16	12.95
.125	17.26	17.54

Material Guide:

- Type 302/304 Stainless Steel.
- .002 fully laminated.
- .003 fully laminated.
- Additional sheet sizes: 20" x 48" and 24" x 48". Pricing available upon request.
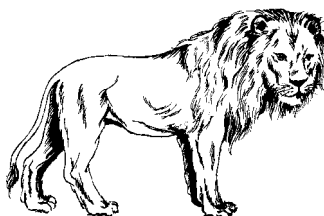- Complies with SAE-AMS-DTL-22499, MIL-S-5059, and QQ-S-766.

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Wire

Music Wire

Dia.	S & W Gauge Number	1/4 lb. Pkg Feet/Lb	1 lb. Pkg Feet/Lb
.010	1	937	3749
.012	3	651	2604
.014	5	478	1913
.016	6	366	1465
.018	7	289	1157
.020	8	234	937
.022	9	193	774
.024	10	162	650
.026	11	138	554
.029	12	111	445
.031	13	97	390
.033	14	86	344
.035	15	76	306
.037	16	68	273
.039	17	61	246
.041	18	55	223
.043	19	50	202
.045	20	46	185
.047	21	42	169
.049	22	39	156
.051	23	36	144
.055	24	30	123
.059	25	26	107
.063	26	23	94
.067	27	20	83
.071	28	18	74
.075	29	16	66
.080	30	14	58
.085	31	12	51
.090	32	11	46
.095	33	10	41
.100	34	9	37
.106	35	8	33
.112	36	7	29
.118	37	6	26
.125	38	6	24
.130	39	5	22
.138	40	4	19
.146	41	4	17
.154	42	3	15
.162	43	3	14
.170	44	3	13
.180	45	2	11

Material Guide: Music Wire

- Touch Spring Steel Wire.
- Resists high stress and frequent deflection.
- Excellent fatigue life and easily soldered.
- Excellent for springs and tension wire.
- Complies with ASTM-A-228, MIL-W-6101, and SAE-1085.

Stainless Steel Wire

- Type 302 Stainless Steel Wire.
- Complies with ASTM-A-313, AMS-5688, and SAE-J-230.

Stainless Steel Wire

Diameter	S & W Gauge Number	1 lb. Pkg Feet/Lb
.010	1	3723
.012	3	2585
.014	5	1899
.016	6	1454
.018	7	1149
.020	8	931
.022	9	769
.024	10	646
.026	11	551
.029	12	443
.031	13	387
.033	14	342
.035	15	304
.037	16	272
.039	17	245
.041	18	221
.043	19	201
.045	20	184
.047	21	169
.049	22	155
.051	23	143
.055	24	123
.059	25	107
.063	26	94

Stainless Steel Safety Lock Wire 1lb. Rolls

- Complies with MS-20995 C25 and ASTM-A-580

Diameter	Part No.	Feet/Lb
.020	LW-20	931
.025	LW-25	596
.032	LW-32	364
.041	LW-41	221
.051	LW-51	143
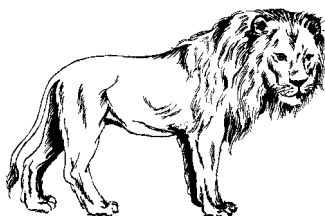
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Square Key Stock

Square Key Stock

Fractional Size	Millimeter Size	Bars per Bundle	Weight/bdle
1/8"	3.175	10	.53
3/16"	4.763	6	.72
1/4"	6.350	6	1.28
5/16"	7.938	6	1.99
3/8"	9.525	6	2.87
1/2"	12.700	4	3.40
5/8"	15.875	4	5.31
3/4"	19.050	4	7.65
7/8"	22.225	4	10.41
1"	25.400	4	13.60
1-1/8"	28.575	2	8.61
1-3/16"	30.163	2	9.59
1-1/4"	31.750	2	10.63
1-3/8"	34.925	2	12.86
1-1/2"	38.100	2	15.30
1-3/4"	44.450	1	10.41
2"	50.800	1	13.60

Material Guide:

• Handy 12" lengths.

• 20 standard sizes.

• Electro-zinc plated.

• Ready to use bundles.

• Special lengths upon request.

Steel Arbor Shims and Spacers

Sizes Available

| I.D. – O.D.	Keyway Size
3/8" x 5/8"	1/8" x 3/64"
1/2" x 3/4"	1/8" x 3/64"
5/8" x 1"	5/32" x 1/16"
3/4" x 1-1/8"	3/16" x 5/64"
7/8" x 1-3/8"	3/16" x 5/64"
1" x 1-1/2"	1/4" x 3/32"
1-1/8" x 1-5/8"	1/4" x 3/32"
1-1/4" x 1-3/4"	5/16" x 1/8"
1-3/8" x 1-7/8"	5/16" x 1/8"
1-1/2" x 2-1/8"	3/8" x 5/32"
1-5/8" x 1-1/2"	3/8" x 5/32"
1-3/4" x 2-3/4"	7/16" x 3/16"
1-7/8" x 2-7/8"	7/16" x 3/16"

Thickness Available

.001, .0015, .002, .003, .004, .005, .006, .007, .008, .010, .012, .015, .020, .025, .032, .047, .062, .093, .125

Assortment

Contains one piece of each thickness listed at left in a given I.D. – O.D.

Please call for current pricing and availability.

Lyon Industries welcomes the chance to quote on any special requirements you might have. Whether it's spacers, shims or stamped parts, Lyon can provide the item you are looking for.
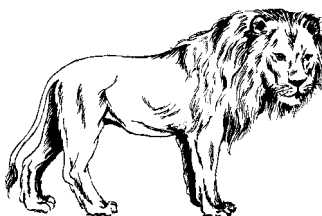
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Steel Feeler Gauge

Steel Feeler Gauge

Thickness	1/2" x 12" Pieces		1/2" x 25' Rolls	
	Part No.	Wt./Lb	Part No.	Wt./Lb
.001	FG-1	.02	FGD-1	.04
.0015	FG-1X	.03	FGD-1X	.07
.002	FG-2	.04	FGD-2	.09
.003	FG-3	.06	FGD-3	.13
.004	FG-4	.08	FGD-4	.17
.005	FG-5	.10	FGD-5	.22
.006	FG-6	.12	FGD-6	.26
.007	FG-7	.14	FGD-7	.30
.008	FG-8	.16	FGD-8	.35
.009	FG-9	.18	FGD-9	.39
.010	FG-10	.20	FGD-10	.44
.011	FG-11	.22	FGD-11	.48
.012	FG-12	.24	FGD-12	.52
.013	FG-13	.26	FGD-13	.57
.014	FG-14	.28	FGD-14	.61
.015	FG-15	.30	FGD-15	.65
.016	FG-16	.32	FGD-16	.70
.017	FG-17	.35	FGD-17	.74
.018	FG-18	.36	FGD-18	.78
.019	FG-19	.39	FGD-19	.83
.020	FG-20	.40	FGD-20	.87
.021	FG-21	.43	FGD-21	.91
.022	FG-22	.44	FGD-22	.96
.023	FG-23	.47	FGD-23	1.00
.024	FG-24	.49	FGD-24	1.04
.025	FG-25	.51	FGD-25	1.09
.026	FG-26	.53	FGD-26	1.13
.027	FG-27	.55	FGD-27	1.17
.028	FG-28	.57	FGD-28	1.22
.029	FG-29	.59	FGD-29	1.26
.030	FG-30	.61	FGD-30	1.31
.031	FG-31	.32	N/A	-
.032	FG-32	.33	N/A	-
.034	FG-34	.35	N/A	-
.035	FG-35	.36	N/A	-

Material Guide:

- C1095 Tempered Spring Steel.
- Close tolerances.
- Tool and die use.
- FG-1 thru FG-30: 12 pieces per box.
- FG-31 thru FG-35: 6 pieces per box.
- Available in 300 series Stainless Steel. Pricing available upon request.
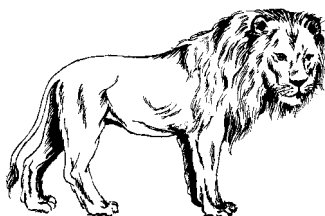
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From the desk of Randy A. Lyon...

May I personally invite all your inquiries and suggestions that would help us to serve your needs? Please call me at **800-367-5966**. We are most grateful for your business.

Notes

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Why Buy From Lyon Industries?

• We are able to offer the most competitive pricing which allows the savings to be passed on to your customers.

• We offer the finest quality to ensure the closest tolerances on the material we provide.

• Each order receives individual attention to ensure prompt, reliable deliveries. We are even able to drop-ship to customers at no additional cost.

• At Lyon Industries we make it our business to provide the finest quality material at the most competitive prices with outstanding customer service.

• Our minimum order is $25.
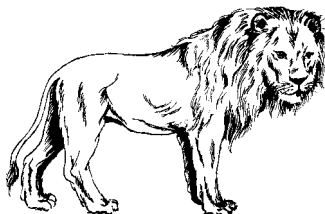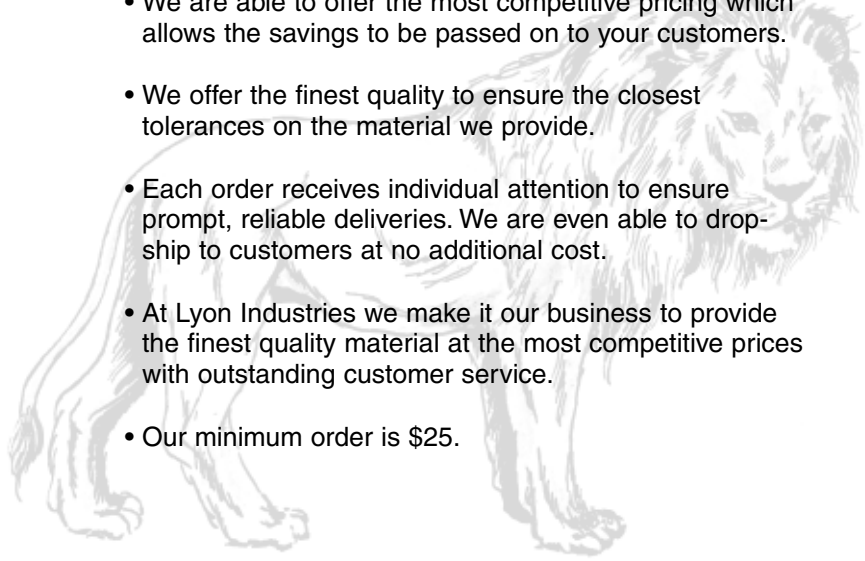
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