

## **Industrial Foil**

- Thickness tolerance: ≤10%
- Width tolerance: ±0.010"

Note: Additional sizes are available; call 1-800-GRAINGER (472-4643).

## **ALUMINUM FOIL ROLLS AND SHEETS**

Soft-tempered sheets and rolls are good for packaging and laminations. Meet ASTM B209 standards.

Thickness Width					
Aluminum Foil Ro		Sheets			
Soft-Tempered SI	1eets				
0.0005 in 9 in					
0.0006 in 10 ¾ in		4UGH7	500		
Soft-Tempered Foil Roll					
12 in	500 ft	4HCE8	1		

Soft-Temp	ered F	oil Roll		
		500 ft		_
0.0007 in	12 in	1,000 ft		
0.0007 111		500 ft		_
	18 in	1,000 ft		
	12 in	250 ft		
0.001 in	18 in		4UGF5	_
	18 in		4UGF6	
	6 in		4UGF8	
0.0015 in	6 in		4UGF9	_
0.0013111	8 in		4UGG1	_
	8 in		4UGG2	
0.002 in	18 in		4UGG3	
0.002 111	18 in		4UGG4	_
0.003 in	36 in		4UGG5	
0.003 111	48 in		4UGG6	_
0.005 in	36 in		4UGG7	_
0.005 111	48 in	100 ft	4UGG8	

## STAINLESS STEEL **FOIL ROLLS**

Nonmagnetic rolls have good weldability and formability. Frequently used in heat treating, moisture barriers, chemical tanks, heat exchangers, fin stock, chemical equipment, metal stampings, and shim stock. Meet ASTM A240 standards.

## COPPER FOIL ROLLS— **ALLOY 110**

Form a corrosion-resistant green patina over time. Plain finish, soft temper. Commonly used in heat exchangers, fin stock, metal stampings, transformers. Meet ASTM B152 standards.

			Item	Pkg.
Thickness	Width	Length	No.	Qty.
	6 in	50 ft	4UGG9	1
	12 in	50 ft	4UGH2	1
0.016 in	14 in	50 ft	4UGH3	1
	18 in	50 ft	4UGH4	1
	20 in	50 ft	4UGH5	1
Hard-Tem		oil Roll		
0.001 in	18 in	50 ft	4UGH9	1
0.001111	18 in	100 ft	4UGJ6	1
	6 in	50 ft	4UGJ1	1
0.002 in	6 in	100 ft	4UGJ7	1
0.002 111	18 in	50 ft	4UGJ2	1
	18 in	100 ft	4UGJ8	1
0.003 in	6 in	50 ft	4UGJ3	1
	6 in	100 ft	4UGJ9	1
0.003 111	18 in	50 ft	4UGJ4	1
	18 in	100 ft	4UGK1	1

1		
Thickness W	idth Lenat	ltem Pkg. h No. Otv.

Stainless Steel Foil Rolls

3U4 Alloy			
	12 in	10 ft	4UGK2 1
	12 in	25 ft	4UGK4 1
	12 in	50 ft	4UGK6 1
0.002 in	12 in	100 ft	4UGK8 1
0.002 In	24 in	10 ft	4UGK3 1
	24 in	25 ft	4UGK5 1
	24 in	50 ft	4UGK7 1
	24 in	100 ft	4UGK9 1
309 Alloy			
0.002 in	24 in	10 ft	4UGL1 1
0.002 111	24 in	100 ft	4UGL4 1
321 Alloy			
	12 in	10 ft	4UGL5 1
	12 in	25 ft	4UGL7 1
0.002 in	12 in	100 ft	4UGN2 1
	24 in	50 ft	4UGN1 1
	24 in	100 ft	<b>4UGN3</b> 1
Copper Fo	il Rolls		
110 Alloy			
	1 in	100 ft	4UGP2 1
	2 in	100 ft	4UGT5 1
0.003 in	4 in	50 ft	<b>4UGU3</b> 1
0.003 111	4 in	100 ft	4UGV1 1
	6 in	50 ft	4UGV8 1
	6 in	100 ft	4UGW6 1
0.005 in	1 in	100 ft	4UGP4 1
	1 in	100 ft	4UGP5 1
0.007 in	1 ½ in	100 ft	4UGR3 1
	2 in	100 ft	4UGT8 1
0.01 in	1 in	100 ft	<b>4UGP6</b> 1
	2 in	50 ft	4UGT2 1
0.021 in	4 in	50 ft	<b>4UGU9</b> 1

Item

## PRECISION BRAND. **MAUDLIN**

MW Industries, Inc.



# **Coatings & Tool Wraps**

Cut-to-fit wraps eliminate decarburization buildup, help protect from scale and oxide buildup during heat treating in atmospheric furnaces, and protect surface of air hardening tool steels. Packaged in reclosable

Note: Additional sizes are available on Grainger.com®.

w	L	Max. Temp. (°F)	Thickness	Brand	Item No.
Tool W					
		ess Steel			
10 in 1	00 ft	2100	0.002 in	Maudlin Products	4FRA9
12 in -	50 ft	2240	0.002 in	Precision Brand	5XE79
12 111 1	00 ft	2240	0.002 in	Precision Brand	5XE80
20 in -	50 ft	2100	0.002 in	Maudlin Products	4FRC1
20 111 1	00 ft	2100	0.002 in	Maudlin Products	4FRC2
24 in 5	50 ft	2240	0.002 in	Precision Brand	5XE77
24 in 1	00 ft	2240	0.002 in	Precision Brand	5XE78
321 St	ainle	ss Steel			
10 in -	50 ft	1800	0.002 in	Maudlin Products	4FRC3
10 111 1	00 ft	1800	0.002 in	Maudlin Products	4FRC4
12 in -	50 ft	2000	0.002 in	Precision Brand	5XB94
12 111 1	00 ft	2000	0.002 in	Precision Brand	5XE76
	50 ft	1800	0.002 in	Maudlin Products	4FRC5
20 in 1	00 ft	1800	0.002 in	Maudlin Products	4FRC6
	00 ft	2000	.002 in	Precision Brand	42DJ76
Type 3	109, 9	Soft Anneal	ed, Stainle	ess Steel	
10 in 5	50 ft	2100	0.002 in	Maudlin Products	4FRA8

Coverage	Color	Includes	Brand	No.
<b>Tool Protective C</b>	oating			
	Clear Transparent	5lb. bag	Precision Brand	3L879
_	Amber Transparent	5lb. bag	Precision Brand	3L877
Tool Blackener				
20 sq ft	Blue	1 pt Each: Tool Black Gel, Metal Polish/Cleaner, Prevent Sealer and Rust Preventative	Precision Brand	43Y999
25 sq ft to 35 sq ft	Blue	1 pt Each: Tool Black Liquid, Metal Polish/ Cleaner, Prevent Sealer and Rust Preventative	Precision Brand	43Y998
30 sq ft to 40 sq ft		1 qt ABC Blackener and ABC Sealant	Precision Brand	5XU50
50 sq ft to 75 sq ft	_	5lb. bag	Precision Brand	42DJ92
		ltem		Item

No.

Thickness

954 Alloy Type

# **Bronze Sheet Metal Strips**

For thicknesses above 1/2" see Grainger.com®

2192

Thickness	L	W	No.
932 Alloy	Type		
_	6 in	4 in	56FY57
1/4 in	12 in	4 in	56FY93
74 III ·	24 in	4 in	56FZ30
	36 in	4 in	56FZ58
3/8 in	6 in	4 in	56FY58
	12 in	4 in	56FY94
	24 in	4 in	56FZ31
	36 in	4 in	56F759

	6 in	1 in	56FY39
	6 in	3 in	56FY40
	6 in	12 in	56FY41
	12 in	1 in	56FY74
	12 in	3 in	56FY75
1/4 in	12 in	12 in	56FY76
/4 111	24 in	1 in	56FZ11
	24 in	3 in	56FZ12
	24 in	12 in	56FZ13
	36 in	1 in	56FZ39
	36 in	3 in	56FZ40
	36 in	12 in	56FZ41
	6 in	3 in	56FY42
	6 in	6 in	56FY43
	12 in	1 in	56FY77
	12 in	3 in	56FY78
	12 in	6 in	56FY79
⅓ in	24 in	1 in	56FZ14
	24 in	3 in	56FZ15
	24 in	6 in	56FZ16
	36 in	1 in	56FZ42
	36 in	3 in	56FZ43
	36 in	6 in	56FZ44

Inickness	L	w	NO.
	6 in	½ in	56FY44
	6 in	2 in	56FY45
	6 in	4 in	56FY46
	12 in	½ in	56FY80
	12 in	2 in	56FY81
½ in -	12 in	4 in	56FY82
72 III -	24 in	½ in	56FZ17
	24 in	2 in	56FZ18
	24 in	4 in	56FZ19
	36 in	4 in	56FZ47
-	36 in	½ in	56FZ45
	36 in	2 in	56FZ46
Oilite Bro		Type	
1/8 in -	6 in	5 in	56FY66
76 111	12 in	6 in	56FZ03
3∕16 in -	6 in	5 in	56FY67
710 111	12 in	6 in	56FZ04
1/4 in -	6 in	5 in	56FY68
74 III -	12 in	6 in	56FZ05
3/8 in -	6 in	5 in	56FY69
98 111	12 in	6 in	56FZ06
16 in .	6 in	5 in	56FY70
½ in	12 in	6 in	56FZ07

## **Bronze Cored Bar**



	Unfinished	Unfinished Outside			Item
L	Inside Dia.	Dia.	Max. Pv	Temp. Range	No.
	um Bronze	Diu.	mux. i v	Tomp. Hungo	NO.
	um Green All				
13 in	3/4"	11/4"	125,000	-450° to 750°F	22PR55
13 in	1"	11/2"	125,000	-450° to 750°F	22PR56
13 in	i'	13/4"	125,000	-450° to 750°F	22PR57
13 in	1"	2"	125,000	-450° to 750°F	22PR58
13 in	1"	21/2"	125,000	-450° to 750°F	22PR59
13 in	1"	3"	125,000	-450° to 750°F	22PR60
13 in	11/4"	13/4"	125,000	-450° to 750°F	22PR61
13 in 13 in	1½" 1½"	2" 21/4"	125,000 125,000	-450° to 750°F -450° to 750°F	22PR62 22PR64
13 in	11/2"	21/2"	125,000	-450° to 750°F	22PR65
13 in	13/4"	21/2"	125,000	-450° to 750°F	22PR67
13 in	13/4"	23/4"	125,000	-450° to 750°F	22PR68
13 in	2"	3"	125,000	-450° to 750°F	22PR70
13 in	2"	4"	125,000	-450° to 750°F	22PR71
13 in	21/2"	3"	125,000	-450° to 750°F	22PR72
13 in	3"	31/2"	125,000	-450° to 750°F	22PR73
13 in	3"	4"	125,000	-450° to 750°F	22PR74
Bronze			,,,,,,		
	Tin Alloy				
13 in	1/2"	1"	75,000	-450° to 500°F	22PR15
13 in	11	11/2"	75,000	-450° to 500°F	22PR17
13 in	1"	2"	75,000	-450° to 500°F	22PR19
13 in	1"	3"	75,000	-450° to 500°F	22PR21
13 in	11/4"	13/4"	75,000	-450° to 500°F	22PR22
13 in	11/2"	2" 21/2"	75,000	-450° to 500°F	22PR23
13 in 13 in	1½" 1½"	3"	75,000	-450° to 500°F -450° to 500°F	22PR25 22PR26
13 in	13/4"	21/2"	75,000 75,000	-450° to 500°F	22PR27
13 in	2"	21/2"	75,000	-450° to 500°F	22PR28
13 in	2"	4"	75,000	-450° to 500°F	22PR30
13 in	21/2"	3"	75,000	-450° to 500°F	22PR31
13 in	21/2"	31/2"	75,000	-450° to 500°F	22PR32
13 in	3"	31/2"	75,000	-450° to 500°F	22PR33
13 in	3"	4"	75,000	-450° to 500°F	22PR34
	red Bronze	· ·	,		
Self Lu	bricating Bea	aring Alloy			
6.5 in	1/2"	1"	50,000	-10° to 220°F	22PT06
6.5 in	1/2"	11/2"	50,000	-10° to 220°F	22PT07
6.5 in	5/8"	1"	50,000	-10° to 220°F	22PT08
6.5 in	5/8"	11/2"	50,000	-10° to 220°F	22PT09
6.5 in	3/4"	11/2"	50,000	-10° to 220°F	22PT11
6.5 in	3/4" 7/8"	13/4"	50,000	-10° to 220°F	22PT12
6.5 in		11/2"	50,000	-10° to 220°F	22PT14
6.5 in 6.5 in	1" 1"	1½" 1¾"	50,000 50,000	-10° to 220°F -10° to 220°F	22PT15 22PT17
6.5 in	1"	2"	50,000	-10° to 220°F	22PT18
6.5 in	11/4"	13/4"	50,000	-10° to 220°F	22PT19
6.5 in	13/4"	21/2"	50,000	-10° to 220°F	22PT21
6.5 in	2"	23/4"	50,000	-10° to 220°F	22PT22
6.5 in	2"	3"	50,000	-10° to 220°F	22PT23
6.5 in	21/4"	31/4"	50,000	-10° to 220°F	22PT24
6.5 in	3"	4"	50,000	-10° to 220°F	22PT25
	-		,		

# **Bronze Solid Bar**



	Unfinished		- D	Item
L	Outside Dia.	Max. Pv	Temp. Range	No.
	m Bronze			
	m Green Alloy All		4500   75005	000075
13 in	3/4" 11/4"	125,000	-450° to 750°F	22PR75
13 in		125,000	-450° to 750°F	22PR77
13 in	13/4"	125,000	-450° to 750°F	22PR79
13 in	21/2"	125,000	-450° to 750°F	22PR81
13 in	3½"	125,000	-450° to 750°F	22PR83
Bronze				
Leaded				
13 in	3/8"	75,000	-450° to 500°F	22PR35
13 in	1/2"	75,000	-450° to 500°F	22PR36
13 in	5/8"	75,000	-450° to 500°F	22PR37
13 in	3/4"	75,000	-450° to 500°F	22PR38
13 in	7/8"	75,000	-450° to 500°F	22PR39
13 in	11/4"	75,000	-450° to 500°F	22PR42
13 in	1%"	75,000	-450° to 500°F	22PR43
13 in	11/2"	75,000	-450° to 500°F	22PR44
13 in	1%"	75,000	-450° to 500°F	22PR45
13 in	13/4"	75,000	-450° to 500°F	22PR46
13 in	21/2"	75,000	-450° to 500°F	22PR49
13 in	23/4"	75,000	-450° to 500°F	22PR50
13 in	3"	75,000	-450° to 500°F	22PR51
13 in	31/2"	75,000	-450° to 500°F	22PR52
Powdere	ed Bronze			
Self Lub	ricating Bearing	Alloy		
2 in	1/4"	50,000	-10° to 220°F	22PR85
3 in	3/8"	50.000	-10° to 220°F	22PR86
6.5 in	1/2"	50,000	-10° to 220°F	22PR87
6.5 in	5/8"	50.000	-10° to 220°F	22PR88
6.5 in	7/8"	50,000	-10° to 220°F	22PR90
6.5 in	1"	50,000	-10° to 220°F	22PR91
6.5 in	11/4"	50,000	-10° to 220°F	22PR93
6.5 in	13/8"	50,000	-10° to 220°F	22PR94
6.5 in	15%"	50,000	-10° to 220°F	22PR96
6.5 in	13/4"	50.000	-10° to 220°F	22PR97
6.5 in	2"	50.000	-10° to 220°F	22PR98
6.5 in	21/5"	50,000	-10° to 220°F	22PT01
6.5 in	3"	50,000	-10° to 220°F	22PT02
6.5 in	4"	50.000	-10° to 220°F	22PT03
6.5 in	5"	50.000	-10° to 220°F	22PT05
0.0 111		00,000	10 10 2201	