



**Charging the Industry
with Excellent Quality
and Service**

Buffalo Precision Products, Inc.

236 Sawyer Avenue, Tonawanda, New York 14150
Phone: 716-874-4353 - Toll Free: 800-944-2136 - Fax: 716-875-5935
Visit our website - www.buffaloprecision.com

Precision Ground Flat Stock

**AISI
SAE**

O-1

Oil Hardening

**AISI
SAE**

A-2

Air Hardening

DISTRIBUTOR PRICE LIST
Effective: May 5, 2003
Supersedes: March 1, 2001



**The Leader in Service
and Quality**

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TOLERANCES

	Precision	Oversize
Thickness	$\pm .001$	+ .010 to .015
Width	+ .005 - .000	+ .010 to .015
Length	+ .062 min	+ .062 min
Terms	1/2 10 net 30 days	
Minimum	\$25	
Returns:	Must be approved - restocking charge may apply.	

FREIGHT

Orders totaling \$100 net F.O.B delivered

**DISTRIBUTOR PRICES
PER LENGTH**

**AISI
SAE**

O-1

**Oil Hardening
PGFS**

Thickness	Width	PRICE PER LENGTH			
		18"	18"OS	36"	36"OS
1/64	1/2				
	3/4				
	1				
	1-1/4				
	1-1/2				
	2				
	2-1/2				
	3				
1/32	4				
	1/2				
	3/4				
	1				
	1-1/4				
	1-1/2				
	2				
	2-1/2				
3/64	3				
	3-1/2				
	4				
	6				
	1/4				
	5/16				
	3/8				
	1/2				
1/16	3/4				
	1				
	1-1/4				
	1-1/2				
	2				
	2-1/2				
	3				
	3-1/2				

Thickness	Width	PRICE PER LENGTH			
		18"	18"OS	36"	36"OS
1/16	4				
	5				
	6				
	8				
	10				
5/64	1/4				
	5/16				
	3/8				
	1/2				
	3/4				
	1				
	1-1/4				
	1-1/2				
3/32	2				
	2-1/2				
	3				
	4				
	6				
	1/4				
	5/16				
	3/8				
7/64	1/2				
	3/4				
	1				
	1-1/4				
	1-1/2				
	2				
	2-1/2				
	3				
	4				
	6				
1/8	1/8				
	1/4				
	5/16				

•Non-standard and special tolerances priced upon request.

**DISTRIBUTOR PRICES
PER LENGTH**

**AISI
SAE**

O-1

**Oil Hardening
PGFS**

Thickness	Width	PRICE PER LENGTH			
		18"	18"OS	36"	36"OS
1/8	3/8				
	1/2				
	5/8				
	3/4				
	1				
	1-1/4				
	1-1/2				
	1-3/4				
	2				
	2-1/2				
	3				
	3-1/2				
	4				
	4-1/2				
5					
6					
7					
8					
10					
12					
14					
9/64	9/64				
	1/2				
	3/4				
	1				
	1-1/4				
	1-1/2				
	2				
3					
4					
5/32	5/32				
	1/4				
	5/16				
	3/8				
	1/2				
	3/4				
	1				
	1-1/4				
	1-1/2				
	1-3/4				
	2				
	2-1/2				
	3				
3-1/2					
4					
5					
6					
8					

Thickness	Width	PRICE PER LENGTH			
		18"	18"OS	36"	36"OS
3/16	3/16				
	1/4				
	5/16				
	3/8				
	1/2				
	5/8				
	3/4				
	1				
	1-1/4				
	1-1/2				
	1-3/4				
	2				
2-1/2					
3					
3-1/2					
4					
5					
6					
8					
10					
12					
7/32	7/32				
	5/16				
	3/8				
	1/2				
	3/4				
	1				
	1-1/4				
	1-1/2				
2					
2-1/2					
3					
4					
6					
8					
1/4	1/4				
	5/16				
	3/8				
	1/2				
	5/8				
	3/4				
	1				
	1-1/4				
	1-1/2				
1-3/4					
2					
2-1/2					
3					

**DISTRIBUTOR PRICES
PER LENGTH**

**AISI
SAE**

O-1

**Oil Hardening
PGFS**

Thickness	Width	PRICE PER LENGTH				
		18"	18"OS	36"	36"OS	
1/4	3-1/2					
	4					
	4-1/2					
	5					
	5-1/2					
	6					
	7					
	8					
	10					
	12					
	14					
	9/32	9/32				
		1/2				
		3/4				
1						
1-1/4						
1-1/2						
1-3/4						
2						
2-1/2						
3						
5/16	5/16					
	3/8					
	1/2					
	5/8					
	3/4					
	1					
	1-1/4					
	1-1/2					
	1-3/4					
	2					
	2-1/2					
	3					
	3-1/2					
	4					
4-1/2						
3/8	3/8					
	1/2					
	5/8					
	3/4					

Thickness	Width	PRICE PER LENGTH			
		18"	18"OS	36"	36"OS
3/8	1				
	1-1/4				
	1-1/2				
	1-3/4				
	2				
	2-1/2				
	3				
	3-1/2				
	4				
	4-1/2				
	5				
	5-1/2				
	6				
	7/16	7/16			
1/2					
3/4					
1					
1-1/4					
1-1/2					
2					
2-1/2					
3					
4					
1/2	1/2				
	5/8				
	3/4				
	1				
	1-1/4				
	1-1/2				
	1-3/4				
	2				
	2-1/2				
	3				
	3-1/2				
	4				
	4-1/2				
	5				
6					
7					
8					
10					
12					
14					

•Non-standard and special tolerances priced upon request.

**DISTRIBUTOR PRICES
PER LENGTH**

**AISI
SAE**

O-1

**Oil Hardening
PGFS**

Thickness	Width	PRICE PER LENGTH			
		18"	18"OS	36"	36"OS
9/16	9/16				
	3/4				
	1				
	1-1/4				
	1-1/2				
5/8	2				
	5/8				
	3/4				
	1				
	1-1/4				
	1-1/2				
	2				
	2-1/2				
	3				
	3-1/2				
	4				
	5				
	6				
3/4	7				
	8				
	10				
	12				
	3/4				
	1				
	1-1/4				
	1-1/2				
	1-3/4				
	2				
	2-1/2				
	3				
	3-1/2				
7/8	4				
	4-1/2				
	5				
	6				
	8				
	10				
	12				
	7/8				
	1				
	1-1/4				
	1-1/2				
	2				
	2-1/2				
3					
3-1/2					
4					
6					

Thickness	Width	PRICE PER LENGTH			
		18"	18"OS	36"	36"OS
1	1				
	1-1/4				
	1-1/2				
	1-3/4				
	2				
	2-1/2				
	3				
	3-1/2				
	4				
	4-1/2				
	5				
	6				
1-1/8	8				
	10				
	12				
	1-1/8				
	1-1/2				
	2				
1-1/4	3				
	4				
	5				
	6				
	8				
	10				
	1-1/4				
	1-1/2				
	2-1/2				
	3				
1-1/2	3-1/2				
	4				
	5				
	6				
	8				
	10				
2	1-1/2				
	2				
	2-1/2				
	3				
	3-1/2				
	4				
2-1/2	4				
	5				
	6				
	8				
3	2				
	3				
	4				
	6				
4	2-1/2				
	3				

**DISTRIBUTOR PRICES
PER LENGTH**

**AISI
SAE**

A-2

**Air Hardening
PGFS**

Thickness	Width	PRICE PER LENGTH			
		18"	18"OS	36"	36"OS
1/16	1/2				
	3/4				
	1				
	1-1/4				
	1-1/2				
	1-3/4				
	2				
	2-1/2				
	3				
	3-1/2				
	4				
	5				
6					
3/32	1/2				
	3/4				
	1				
	1-1/4				
	1-1/2				
	2				
	2-1/2				
	3				
	3-1/2				
	4				
	5				
	6				
1/8	1/2				
	5/8				
	3/4				
	1				
	1-1/4				
	1-1/2				
	1-3/4				
	2				
	2-1/2				
	3				
	3-1/2				
	4				
	5				
	6				
7					
8					
10					
12					
5/32	1/2				
	3/4				
	1				

Thickness	Width	PRICE PER LENGTH			
		18"	18"OS	36"	36"OS
5/32	1-1/4				
	1-1/2				
	1-3/4				
	2				
	2-1/2				
	3				
	3-1/2				
	4				
	5				
	6				
	7				
	8				
	10				
	12				
	14				
15					
3/16	3/16				
	1/2				
	3/4				
	1				
	1-1/4				
	1-1/2				
	1-3/4				
	2				
	2-1/2				
	3				
	3-1/2				
	4				
	5				
	6				
7					
8					
10					
12					
1/4	1/4				
	1/2				
	3/4				
	1				
	1-1/4				
	1-1/2				
	1-3/4				
	2				
	2-1/2				
	3				
3-1/2					
4					

*Non-standard and special tolerances priced upon request.

**DISTRIBUTOR PRICES
PER LENGTH**

**AISI
SAE**

A-2

**Air Hardening
PGFS**

Thickness	Width	PRICE PER LENGTH			
		18"	18"OS	36"	36"OS
1/4	5				
	6				
	7				
	8				
	10				
	12				
5/16	5/16				
	1/2				
	3/4				
	1				
	1-1/4				
	1-1/2				
	1-3/4				
	2				
	2-1/2				
	3				
	3-1/2				
	4				
	4-1/2				
	5				
	5-1/2				
	6				
	8				
	10				
12					
3/8	3/8				
	1/2				
	3/4				
	1				
	1-1/4				
	1-1/2				
	1-3/4				
	2				
	2-1/2				
	3				
	3-1/2				
	4				
	4-1/2				
	5				
	6				
	7				
	8				
	10				
12					
1/2	1/2				
	5/8				

Thickness	Width	PRICE PER LENGTH			
		18"	18"OS	36"	36"OS
1/2	3/4				
	1				
	1-1/4				
	1-1/2				
	1-3/4				
	2				
	2-1/2				
	3				
	3-1/2				
	4				
	4-1/2				
	5				
5/8	5-1/2				
	6				
	7				
	8				
	10				
	12				
	5/8				
	3/4				
	1				
	1-1/4				
	1-1/2				
	2				
2-1/2					
3					
3-1/2					
4					
4-1/2					
5					
5-1/2					
6					
7					
8					
10					
3/4	3/4				
	1				
	1-1/4				
	1-1/2				
	1-3/4				
	2				
2-1/2					
3					
3-1/2					
4					
4-1/2					

**DISTRIBUTOR PRICES
PER LENGTH**

**AISI
SAE**

A-2

**Air Hardening
PGFS**

Thickness	Width	PRICE PER LENGTH			
		18"	18"OS	36"	36"OS
3/4	5				
	5-1/2				
	6				
	7				
	8				
	10				
7/8	12				
	7/8				
	1				
	1-1/4				
	1-1/2				
	2				
	2-1/2				
	3				
	3-1/2				
	4				
	4-1/2				
	5				
5-1/2					
6					
7					
8					
10					
1	1				
	1-1/4				
	1-1/2				
	1-3/4				
	2				
	2-1/2				
	3				
	3-1/2				
	4				
	4-1/2				
	5				
	5-1/2				
	6				
	7				
8					
10					
12					
1-1/4	1-1/4				
	1-1/2				
	2				
	2-1/2				
	3				
3-1/2					

Thickness	Width	PRICE PER LENGTH				
		18"	18"OS	36"	36"OS	
1-1/4	4					
	4-1/2					
	5					
	5-1/2					
	6					
	7					
	8					
	10					
	12					
	1-1/2	1-1/2				
		2				
		2-1/2				
3						
3-1/2						
4						
4-1/2						
5						
5-1/2						
6						
7						
8						
10						
12						
14						
2	2					
	2-1/2					
	3					
	3-1/2					
	4					
	4-1/2					
	5					
	5-1/2					
	6					
	7					
	8					
	10					
	12					
	14					
2-1/2	2-1/2					
3	3					
4	4					

*Non-standard and special tolerances priced upon request.

Ground Flat Stock

Heat Treatment Instructions

AISI SAE 0-1 Ground Flat Stock

HEAT TREATMENT for sections smaller than 1/4", heat to 1450 - 1475°F and hold until heated through. For larger sections, preheat to 1200°F, then raise to 1450 - 1500°F hardening temperature, hold half an hour per inch of cross section. Quench in oil at 125 - 150°F and TEMPER IMMEDIATELY.

Tempering Data

Temper°F	Rockwell C Hardness
As Quenched	63-65
300	63-65
400	61-64
500	60-63
600	57-60
800	48-51
1000	44-48

AISI SAE A-2 Ground Flat Stock

HEAT TREATMENT Preheat thoroughly at 1450°F, then raise to hardening temperature 1725 - 1800°F and soak uniformly. For larger sections, use high side; for thin or smaller sections, use low side. Quench in still air or dry air blast at 125 - 175°F, then TEMPER IMMEDIATELY.

Tempering Data

Temper°F	Rockwell C Hardness
As Quenched	62-65
300	61-64
400	59-62
500	58-61
600	57-60
800	56-59
900	55-58
1000	56-59