

Ameralloy®

Precision Flat Ground

Stocking All Standard Sizes And Tolerances

Ameralloy® Oil

OIL HARDENING AISI O-1

Ameralloy Oil is a widely used grade of precision flat grounds. It is a general purpose tool steel with premium hardening, wear resistance, and toughness.

Typical Analysis

GENERAL
PURPOSE

- Carbon .90
- Manganese 1.20
- Silicon .30
- Tungsten .55
- Chromium .65
- Vanadium .30
- Molybdenum .15

Ameralloy®-60

AIR HARDENING AISI A-6

Ameralloy-60 has a minimum distortion characteristic which makes it particularly well suited for dies and punches in blanking and forming operations.

Typical Analysis

- Carbon .70
- Molybdenum .09
- Manganese 2.10
- Silicon .30
- Chromium 1.00
- Vanadium 1.35

Ameralloy®-Air

AIR HARDENING AISI A-2

Ameralloy Air is recommended over Ameralloy Oil when increased wear resistance, safe hardening, and less distortion are required.

Typical Analysis

MINIMUM
DISTORTION

- Carbon 1.00
- Molybdenum 1.15
- Manganese .60
- Silicon .20
- Chromium 5.75
- Vanadium .25

Ameralloy® D-2

**HIGH CARBON/
HIGH CHROME** AISI D-2

Ameralloy D-2 is an air-hardening steel known for maximum wear resistance. It is ideal for use in tools, dies, and used in long production runs.

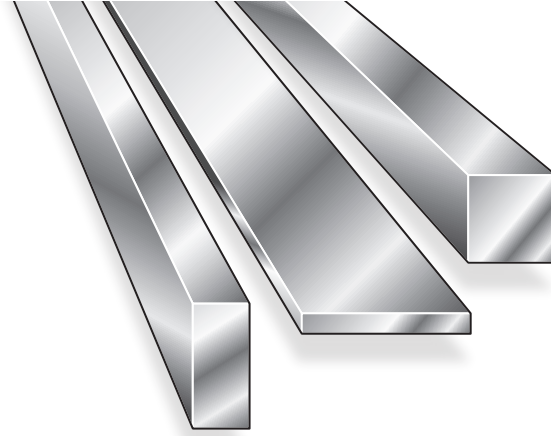
Typical Analysis

MAX. WEAR
RESISTANCE

- Carbon 1.55
- Molybdenum 1.00
- Manganese .55
- Silicon .35
- Chromium 12.50
- Vanadium 1.00

Ameralloy Flat Ground Tolerances

Thickness – regular	± .001"
Thickness – oversize	+ .010/.015"
Thickness – metric	+ .05mm/-0
Width – regular	+ .000/.005"
Width – oversize	+ .010/.015"
Width – metric	+ .2mm/-0
Squares – regular	± .001"
Squares – oversize	+ .010/.015"
Length 18"	+ .125/.250"
Length 24"	+ .1875/.375"
Length 36"	+ .250/.500"
Squareness – edge	.003" per inch
Squareness – end	.004" per inch



Ameralloy[®]

LOW CARBON

Typical Analysis

- Carbon .18
- Manganese .50
- Silicon .20
- Phosphorus .04
- Sulphur .04

Durelloy[™] GFS

HEAT TREATED

Typical Tolerance

- Thickness +.005, -.000 Mattison ground
- Width +.005, -.000 Blanchard ground
- Length plus 1/8" saw cut
- Heat treated to 28–32 Rockwell C

Ameralloy[®]-7

SUPER SHOCK AISI S-7

Ameralloy-7 is our new, premium quality air hardening PFG. It's the toughest, strongest drill rod for many applications that require maximum strength and impact.

Typical Analysis

MAXIMUM
STRENGTH

- Carbon .50
- Molybdenum 1.40
- Manganese .70
- Silicon .25
- Chromium 3.25

High Speed-2

AISI M-2

Ameralloy High Speed-2 is the most widely used type of high speed tool steel. It's higher carbon content and balanced analysis produce ideal properties for high speed use.

Typical Analysis

- Carbon .86
- Molybdenum 5.00
- Tungsten 6.35
- Chromium 4.15
- Vanadium 1.90