

Ameralloy® Drill Rods

**Stocking All Standard Sizes
And Tolerances!**

Ameralloy® Oil

OIL HARDENING AISI O-1

Ameralloy Oil is the most widely used grade of drill rod. 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. Also recommended for gages or other tools where close size tolerance is required.

Typical Analysis

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

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

Finish All drill rod rounds are furnished ground and polished

Lengths Standard stock sizes are 36" long. Also available in 12' lengths.

Tolerance

Size Range	Standard Tolerance
• Up to .125"	+/- .0003"
• .125" to .499"	+/- .0005"
• .500" to 2.000"	+/- .001"

Ameralloy® w1&w2

WATER HARDENING AISI W1-W2

Ameralloy W1 and W2 are water hardening grades formulated to meet the needs of the machine shop. Well suited for average work where premium grades are not required.

Typical Analysis

	W1	W2
• Carbon	.60-1.40	.80-1.25
• Manganese	.25	.25
• Silicon	.20	.25
• Vanadium	--	.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 properties applicable to all general purpose high speed uses.

Typical Analysis

- Carbon .83
- Molybdenum 5.00
- Tungsten 6.35
- Chromium 4.15
- Vanadium 1.90

Ameralloy®-7

SUPER SHOCK AISI S-7

Ameralloy-7 is our new, premium quality air hardening drill rod. 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

Ameralloy®-13

HOT WORK AISI H-13

Ameralloy-13 combines good red hardness with abrasion resistance and resists heat checking. Ameralloy-13 is made from vacuum degassed tool steel ingots. This process plus carefully controlled hot work provides optimum uniformity, consistent response to heat treatment, and long service life.

Typical Analysis

EXTENDED SERVICE LIFE

- Carbon .40
- Molybdenum 1.50
- Manganese .40
- Silicon 1.10
- Chromium 5.25
- Vanadium 1.10