



GOLDEN BRIDGE WELDING MATERIAL CATALOGUE

2024-25 NORTH AMERICA REGIONS

Founded in 1986, Golden Bridge Welding Materials stands as one of the world's leading manufacturers of welding consumables. Committed to providing top-tier solutions, we empower industries across diverse sectors. Foresee Electronic Inc. proudly serves as the exclusive distributor of Golden Bridge Welding Materials in North America.



FORESEE
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GOLDEN BRIDGE
WELDING MATERIALS

GOLDEN BRIDGE WELDING MATERIALS

Founded in 1986, Trusted in Every Major Heavy Industry, Delivering High-Quality Welding Consumables Globally with Over 150 Million Tons Annual Capacity

PRODUCT LINE

- ✓ ELECTRODES
- ✓ SAW
- ✓ MIG WIRES
- ✓ FLUX
- ✓ TIG RODS
- ✓ BRAZING FILLER METAL
- ✓ FCAW WIRES
- ✓ WELDING STRIPS

APPLICATIONS

- ✓ CONSTRUCTION
- ✓ GENERAL PURPOSE
- ✓ SHIPBUILDING
- ✓ OFFSHORE ENERGY
- ✓ AEROSPACE
- ✓ PRESSURE VESSELS
- ✓ PETROCHEMICAL
- ✓ AUTO FABRICATION
- ✓ ELECTRIC POWER
- ✓ MACHINERY



CARBON STEEL SERIES WELDING ELECTRODE

BY GOLDEN BRIDGE WELDING MATERIALS



E7018-H4 (AWS 5.1)

JQ-E7018

- **DIAMETER:** 2.5MM(3/32"), 3.2MM(1/8"), 4.0MM(5/32")
- **LENGTH:** 12" , 14" , 16"
- **POSITION:** All Except VD
- **NOTE:** AC/DC dual-use with Iron Powder & Low-hydrogen Potassium Coating , for carbon steel and low alloy steel
- **CHARACTERISTICS:** Smooth Arc, Optimal Bead Appearance, Low Spatter, High Deposition rate, Easy Slag Removal, Enhanced Crack Resistance, & Good mechanical properties



E6013 (AWS A5.1)

J38-12M

- **DIAMETER:** 2.5MM(3/32"), 3.2MM(1/8"), 4.0MM(5/32")
- **LENGTH:** 12" , 14" , 16"
- **POSITION:** All
- **NOTE:** Titanium Oxide Coating, AC/DC dual use
- **PURPOSE:** For Low Carbon Steel Welding in Thin/Surface Applications
- **CHARACTERISTICS:** Great welding performance, Smooth Arc, Optimal Bead Appearance, Easy Slag Removal



E6010 (AWS A5.1)

E6010

- **DIAMETER:** 2.5MM(3/32"), 3.2MM(1/8"), 4.0MM(5/32")
- **LENGTH:** 12" , 14" , 16"
- **POSITION:** All
- **PURPOSE:** Using DCEP connection with High Cellulose Sodium Coating for Carbon Steel Structure
- **CHARACTERISTICS:** Deep penetration, Fast-freeze slag, Optimal Slag Appearance, Low Slag Level, Anti-Porosity and Crack Resistance

STAINLESS STEEL SERIES WELDING ELECTRODE

BY GOLDEN BRIDGE WELDING MATERIALS



E308-16 (AWS A5.4)

A102

- **DIAMETER:** 2.5MM(3/32"), 3.2MM(1/8"), 4.0MM(5/32")
- **LENGTH:** 12" / 14" / 14"
- **WELDING CURRENT:** AC, DC+
- **POSITION:** All Except VD
- **PURPOSE:** For 18% Cr/9% Ni Stainless Steel Structure
- **CHARACTERISTIC:** Good Mechanical properties, Crack & Intercrystalline corrosion, & porosity resistance, great welding performance



E316-16 (AWS A5.4)

A202

- **DIAMETER:** 2.5mm(3/32"), 3.2mm(1/8"), 4.0mm(5/32")
- **LENGTH:** 12" , 14" , 14"
- **WELDING CURRENT:** AC, DC+
- **POSITION:** All Except VD
- **PURPOSE:** For 18% Cr/12% Ni/2% Mo Stainless Steel Structure with Rutile Coating
- **CHARACTERISTIC:** Good Corrosion, Crack, & Heat Resistance, Excellent Welding Performance



E309L-16 (AWS A5.4)

A062

- **DIAMETER:** 2.5mm(3/32"), 3.2mm(1/8"), 4.0mm(5/32")
- **LENGTH:** 12" , 14" , 14"
- **WELDING CURRENT:** AC, DC+
- **POSITION:** All Except VD
- **PURPOSE:** For Ultra-low Carbon Cr23Ni13 Stainless Steel Structure and Dissimilar steels with Rutile Coating
- **CHARACTERISTIC:** Great Intergranular Corrosion, Heat Resistance, & Excellent Welding Performance

CARBON STEEL MIG WELDING WIRE

BY GOLDEN BRIDGE WELDING MATERIALS



ER70S-6 (AWS A5.18)

JQ-MG50-6

- **DIAMETER:** 0.8mm(0.030"), 0.9mm(0.035"), 1.2mm(0.045")
- **PURPOSE:** for Various Carbon Steel and Low Alloy Steel with 500 MPa Tensile Strength Grade
- **POSITION:** All
- **CHARACTERISTIC:** Smooth Arc, Low Spatter Level, Good Wire Feeding Behavior and Optimal Bead Appearance
- **APPLICATION:** Bridge, Building, Mechanical Structure, & Auto-Manufacturing

STAINLESS STEEL MIG WELDING WIRE

BY GOLDEN BRIDGE WELDING MATERIALS



ER308L (AWS A5.9)

JQ-MG308L

- **DIAMETER:** 1.0mm(0.040")
- **PURPOSE:** Gas Shielded MIG Welding Wire for Ultra-low Carbon C-21Cr-10Ni Austenitic Stainless Steel
- **POSITION:** All
- **CHARACTERISTIC:** Smooth Arc, Low-Spatter Level, Good Bead Appearance, Crack Resistance, Suitable for Non-magnetic, Great for Non-magnetic High Manganese Steel and Hardened Corrosion-resistant Steel
- **APPLICATION:** Petrochemical, Pressure Vessel, Food and Medical Treatment, Construction Machinery



ER309L (AWS A5.9)

JQ-MG309L

- **DIAMETER:** 1.0mm(0.040")
- **PURPOSE:** Gas Shielded MIG Welding Wire for Ultra-low Carbon C-24Cr-13Ni Austenitic Stainless Steel
- **POSITION:** All
- **CHARACTERISTIC:** Smooth Arc, Low-Spatter Level, Good Bead Appearance, Crack Resistance, Suitable for Non-magnetic, Great for Dissimilar Steels and Hardened Corrosion-resistant Steel
- **APPLICATION:** Petrochemical, Pressure Vessel, Food and Medical Treatment, Construction Machinery

ALUMINUM MIG WELDING WIRE

BY GOLDEN BRIDGE WELDING MATERIALS



ER4043 (AWS A5.10)

JQ-SAL-4043

- **DIAMETER:** 0.8mm(0.030"), 0.9mm(0.035"), 1.2mm(0.045")
- **PURPOSE:** for Heat-treatable Aluminum Alloys, Especially for 6XXX Series Alloys, with Low Sensitivity to Hot Cracks
- **POSITION:** All
- **CHARACTERISTIC:** Smooth Arc, Low Spatter Level, Beautiful and Bright Bead Appearance
- **APPLICATION:** Shipbuilding, Chemical Industry, Food Industry, Train & Auto-manufacturing



ER5356 (AWS A5.10)

JQ-SAL-5356

- **DIAMETER:** 0.8mm(0.030"), 0.9mm(0.035"), 1.2mm(0.045")
- **PURPOSE:** Universal Aluminum-magnesium MIG Welding Wire Containing 5% Magnesium
- **POSITION:** All
- **CHARACTERISTIC:** High Strength, Corrosion Resistance, Smooth Arc, Low Spatter Level, Great Bead Appearance
- **APPLICATION:** Auto-Industry, Shipbuilding, Pressure Vessel, General Manufacturing Industry

STAINLESS STEEL FLUX-CORE ARC WELD

GOLDEN BRIDGE WELDING MATERIALS



E308LT1-1 (AWS A5.22)

JQ-308L

- **DIAMETER:** 1.2mm(0.045"), 1.4mm(0.055"), 1.6mm(1/16")
- **POSITION:** All
- **PURPOSE:** Applicable for Base Metal S30408, S30403, and Stainless Steel Such As 301, 302, 304 and 304L
- **CHARACTERISTIC:** Smooth Arc, Low Spatter Level, Easy Slag Removal, Optimal Bead Appearance, Crack-Resistance
- **APPLICATION:** Petrochemical Industry, Food and Medical Treatment, Shipbuilding, Pressure Vessel Industry & etc.



E316LT1-1 (AWS A5.22)

JQ-316L

- **DIAMETER:** 1.2mm(0.045"), 1.4mm(0.055"), 1.6mm(1/16")
- **POSITION:** All 6P
- **PURPOSE:** Applicable for Base Metal S31608, S31603, ST316, 316L, & Chromium Stainless Steel
- **CHARACTERISTIC:** Good Welding Performance with Smooth Arc, Easy Slag Removal, Good Corrosion and Crack Resistance
- **APPLICATION:** Petrochemical Industry, Food and Medical Treatment, Shipbuilding, Pressure Vessel Industry & etc.



E309LT1-1 (AWS A5.22)

JQ-309L

- **DIAMETER:** 1.2mm(0.045"), 1.4mm(0.055"), 1.6mm(1/16")
- **POSITION:** All 6P
- **PURPOSE:** Applicable for Base Metal 309 Stainless Steel, Dissimilar Steel and other Synthetic fiber components
- **CHARACTERISTIC:** Good Welding Performance with Smooth Arc, Easy Slag Removal, Good Corrosion and Crack Resistance
- **APPLICATION:** Petrochemical Industry, Food and Medical Treatment, Shipbuilding, Pressure Vessel Industry & etc.

CARBON STEEL FLUX-CORE ARC WELD

GOLDEN BRIDGE WELDING MATERIALS



E71T-1C (AWS A5.20)

JQ-YJ501-1

- **DIAMETER:** 1.2mm(0.045")/1.6mm(1/16")
- **POSITION:** All 6p
- **PURPOSE:** Applicable for welding structural steel with tensile strength of 490 MPa
- **CHARACTERISTIC:** Great Welding Performance with Smooth Arc, Easy Slag Removal, Optimal Bead Appearance. Great Low-Temperature Toughness and Crack Resistance
- **APPLICATION:** ships, bridges, construction machinery, marine engineering, coal mining machinery, & etc.



E71T-GS (AWS A5.20)

JC-26

- **DIAMETER:** 0.9mm(0.035")
- **POSITION:** All 6P
- **PURPOSE:** Self-Shielded Applicable for Welding Structural Steel with Tensile Strength of 490 MPa, and Carbon Steel Metal
- **CHARACTERISTIC:** Great Welding Performance with Smooth Arc, Low Spatter Level, & Optimal Bead Appearance
- **APPLICATION:** Construction Machinery, and Household Use Thin Plates & Galvanized Plates.



E71T-8 (AWS A5.20)

JC-28

- **DIAMETER:** 1.6mm(1/16"), 2.0mm(5/64")
- **SHIELDING GAS:** Self-shielded
- **POSITION:** All 6P
- **PURPOSE:** Commonly Used for High Strength Low Alloy Carbon Steel without Gas Shielding
- **CHARACTERISTIC:** Great Welding Performance with Easy Slag Removal and Good Bead Appearance, Crack Resistance
- **APPLICATION:** Construction, Shipbuilding, Structural Fabrication, and Pressure Vessel

ALUMINUM & ALUMINUM ALLOY TIG WELDING ROD

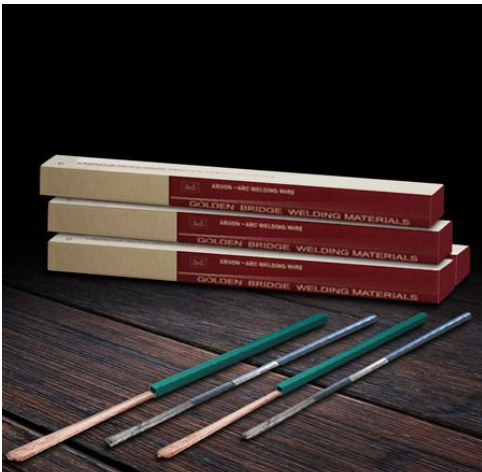
BY GOLDEN BRIDGE WELDING MATERIALS



ER4043 (AWS A5.10)

JQ-SAL4043

- **DIAMETER:** 1.6mm(1/16"), 2.4mm(3/32"), 3.2mm(1/8")
- **PURPOSE:** for Heat-treatable Aluminum Alloys, Especially for 6XXX Series Alloys, with Low Sensitivity to Hot Cracks
- **POSITION:** All
- **CHARACTERISTICS:** Smooth Arc, Low Spatter Level, Beautiful and Bright Bead Appearance
- **APPLICATION:** Shipbuilding, Chemical Industry, Food Industry, Train & Auto-manufacturing



ER5356 (AWS A5.10)

JQ-SAL5356

- **DIAMETER:** 1.6mm(1/16"), 2.4mm(3/32"), 3.2mm(1/8")
- **LENGTH:** 36"
- **PURPOSE:** Universal Aluminum-magnesium MIG Welding Wire Containing 5% Magnesium
- **POSITION:** All
- **CHARACTERISTICS:** High Strength, Corrosion Resistance, Smooth Arc, Low Spatter Level, Great Bead Appearance
- **APPLICATION:** Auto-Industry, Shipbuilding, Pressure Vessel, General Manufacturing Industry



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GOLDEN BRIDGE
PRODUCT DIRECTORY



THIS CATALOG

STAINLESS STEEL SERIES TIG WELDING ROD

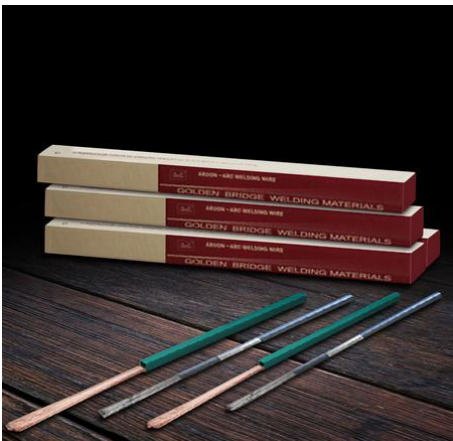
BY GOLDEN BRIDGE WELDING MATERIALS



ER308L (AWS A5.9)

JQ-TG308L

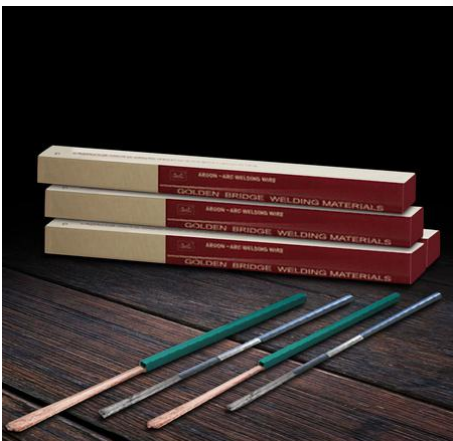
- **DIAMETER:** 1.6mm(1/16") / 2.5mm(3/32") / 3.2mm(1/8")
- **POSITION:** All 6P
- **PURPOSE:** Applicable for Ultra Low Carbon C-21Cr-10Ni Austenitic Stainless Steel
- **CHARACTERISTIC:** Great Welding Performance with Smooth Arc, Low Spatter Level, Optimal Bead Appearance, Crack Resistance
- **APPLICATION:** Petrochemical, Pressure Vessel, Food and Medical Treatment, Construction Machinery, & etc.



ER316L (AWS A5.18)

JQ-TG316L

- **DIAMETER:** 1.6mm(1/16") / 2.5mm(3/32") / 3.2mm(1/8")
- **POSITION:** All 6P
- **PURPOSE:** Applicable for Ultra-low Carbon C-19Cr-12Ni-2Mo Austenitic Stainless Steel
- **CHARACTERISTIC:** Excellent Welding Performance with Smooth Arc, No Spatter, Optimal Bead, Crack Resistance
- **APPLICATION:** Petrochemical Industry and Construction Machinery, & etc.



ER309L (AWS A5.9)

JQ-TG309L

- **DIAMETER:** 1.6mm(1/16") / 2.5mm(3/32") / 3.2mm(1/8")
- **POSITION:** All 6P
- **PURPOSE:** Applicable for Ultra-low Carbon 24Cr-13Ni Austenitic Stainless Steel
- **CHARACTERISTIC:** Excellent Welding Performance with Smooth Arc, No Spatter, Optimal Bead, Crack Resistance
- **APPLICATION:** Petrochemical Industry, Dissimilar Metal Welding, Buffer layer, High-Temperature Environments

CARBON STEEL SERIES TIG WELDING ROD

GOLDEN BRIDGE WELDING MATERIALS



ER70S-6 (AWS 5A.18)

JQ-TG50

- **DIAMETER:** 1.6mm(1/16"), 2.4mm(3/32"), 3.2mm(1/8")
- **POSITION:** All
- **PURPOSE:** Applicable for Various Carbon Steel & Low-alloy Steel with 490 MPa Tensile Strength
- **CHARACTERISTIC:** Good Welding Performance with Optimal Bead Appearance & Crack Resistance. Good Mechanical Properties with High Impact Toughness at Low Temperature
- **APPLICATION:** Bridges Construction, Building Structure, Automobile Manufacturing, Mechanical Structures, etc.



FACILITY

The facilities of **GOLDEN BRIDGE** hold certifications for numerous international standards in energy, health, safety, quality, and environmental management.

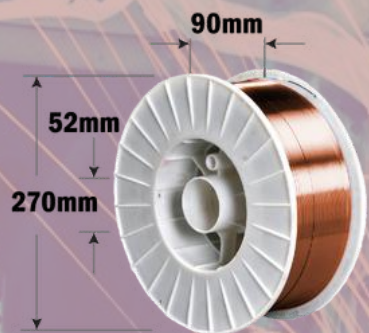


PACKAGE SIZE SPECIFICATIONS

PART 1

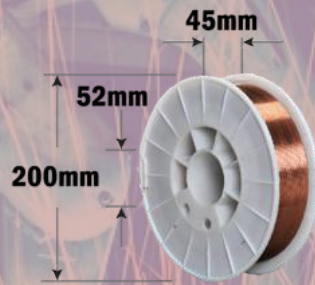
MIG 15/20 KGS

- 15-Kg Plastic Spool: 0.8/0.9/1.0/1.2/1.4/1.6mm Wire Diameter
- 20Kgs Plastic Spool: 0.9/1.0/1.2/1.4/1.6mm Wire Diameter
- Spool Color: WHITE or BLACK



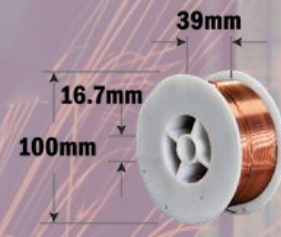
MIG 5KGS

- 5-Kg Plastic Spool: 0.8/0.9/1.0/1.2/1.4mm Wires Diameter



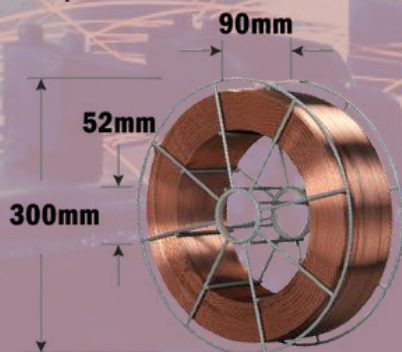
MIG 1 KG

- 1-Kg Plastic Spool: 0.8/1.0mm Wire Diameter



MIG 15/20 KGS

- 15-Kg Iron Spool: 0.8/0.9/1.0/1.2/1.4/1.6mm Wire Diameter
- 20Kgs Iron Spool: 0.9/1.0/1.2/1.4/1.6mm Wire Diameter
- Spool Color: GRAY or COPPER



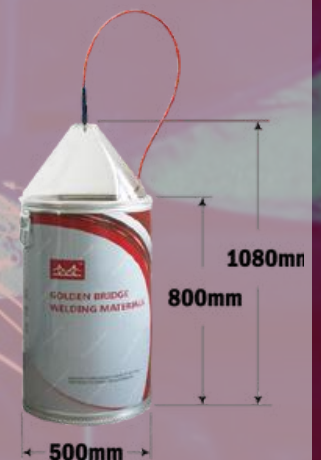
MIG 350 KGS

- 350-Kg Barrel: 0.8/0.9/1.0/1.2/1.4/1.6mm Wires Diameter



MIG 250 KGS

- 250-Kg Barrel: 0.8/0.9/1.0/1.2/1.4/1.6mm Wires Diameter

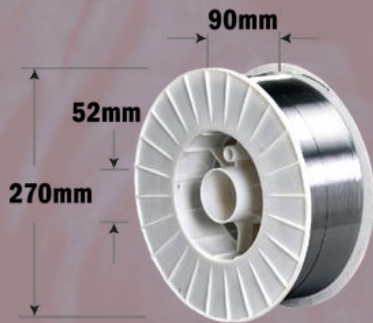


PACKAGE SIZE SPECIFICATIONS

PART 2

FCAW 15 KGS

- For Gas-Shielded Flux-Cored Welding Wires
- 15-Kg Plastic Spool: 1.0/1.2/1.4/1.6mm Wire Diameter
- Spool Color: WHITE or BLACK



FCAW 12.5 KGS

- For Stainless Steel Gas-Shielded Flux-Core Welding Wire
- 12.5-Kg Plastic Spool: 1.2/1.4/1.6mm Wires Diameter
- For Stainless Steel FCAW only
- Spool Color: WHITE



FCAW 250 KGS

- For Gas-Shielded Flux-Cored Welding Wires
- 250-Kg Barrel: 1.0/1.2/1.4/1.6mm Wire Diameter



FCAW-S 24 KGS

- For Carbon Steel Self-Shielded Flux-Cored Welding Wires
- 24-Kg Pail: 1.6/2.0mm Wire Diameter
- Each Sealed Pail contains 4 X 6-Kg Coils



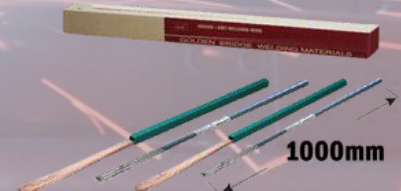
ELECTRODE

- 20-Kg Retail Box: Each Box Contains 4X 5-Kg Tubes
- Stainless Steel (D5XX):
 $\Phi 2.5\text{mm} \times 12$ inches
 $\Phi 3.2/4.0/5.0\text{mm} \times 14$ inches
- Others Electrodes:
 $\Phi 2.5\text{mm} \times 12$ inches
 $\Phi 3.2\text{mm} \times 14$ inches
 $\Phi 4.0/5.0\text{mm} \times 16$ inches



TIG ROD

- 20-Kg Retail Box: 1.6/2.0/2.5/3.20mm Diameter Rods
- Each 20-Kg Retail Box Contains 4X 5-Kg Tubes





CERTIFICATES

GOLDEN BRIDGE proudly boasts numerous welding consumable accreditations from reputable classification societies in nine countries, including **ABS, CCS, LR, BV (Bureau Veritas), DNV, GL, IAF, JIS, NKK (Nippon Kaiji Kyokai), KR, RINA, UKAS, and RM (Russian Maritime).**



**AMERICAN BUREAU
OF
SHIPPING**



**DET NORSKE
VERITAS
CERTIFICATION**



**GERMANISCHER
LLOYD
CERTIFICATION**



**LLOYD'S REGISTER
OF
SHIPPING**



**NIPPON KAIJI
KYOKAI
CERTIFICATE**



**RUSSIAN MARITIME
REGISTER OF
SHIPPING**



**CHINA
CLASSIFICATION
SOCIETY**



**BUREAU
VERITAS
CERTIFICATE**



**KOREAN REGISTER
OF
SHIPPING**



**JAPANESE
INDUSTRIAL
STANDARDS**



**REGISTRO
ITALIANO
NAVALES**



**BIRO
KLASIFIKASI
INDONESIA**



**GOLDEN BRIDGE
WELDING MATERIALS**



GOLDEN BRIDGE
WELDING MATERIALS

2025 CALENDAR

JANUARY

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

FEBRUARY

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MARCH

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30	31					

APRIL

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27	28	29	30			

MAY

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JUNE

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29	30					

JULY

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20	21	22	23	24	25	26
27	28	29	30	31		

AUGUST

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24	25	26	27	28	29	30
31						

SEPTEMBER

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14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

OCTOBER

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26	27	28	29	30	31	

NOVEMBER

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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

DECEMBER

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7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Jan 1: New Year's Day
 Jan 20: Martin Luther King Jr. Day
 Feb 14: Valentine's Day
 Feb 17: Washington's Birthday
 Mar 17: St. Patrick's Day
 Apr 15: Tax Day
 Apr 20: Easter Sunday
 Apr 23: Administrative Professor

May 11: Mother's Day
 May 26: Memorial Day
 Jun 15: Father's Day
 Jun 19: Juneteenth
 Jul 4: Independence Day
 Sep 1: Labor Day
 Oct 13: Columbus Day
 Oct 31: Halloween

Nov 11: Veterans Day
 Nov 27: Thanksgiving Day
 Nov 28: Day after Thanksgiving
 Dec 24: Christmas Eve
 Dec 25: Christmas Day
 Dec 31: New Year's Eve

