

# Industrial grade L16-30 locking devices

Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:



AHL1630P



AHL1630C



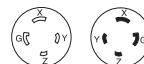
AHL1630R



AHL1630FO

## Description

NEMA L16-30 30A, 3Ø 480V/AC, 3P-4W



L16-30R L16-30P

### Design features for plug & connector

- All nylon construction
- EPDM gasket seals cord hole from dust and debris
- Back wire terminal clamps for easy secure wiring
- Individual wiring compartments with tapered channel for easy insertion of wires
- Clear cover over wiring compartments allows easy inspection of wiring terminations
- Rating printed on side of device
- Largest-in-class grommet size allows for entire cord size range

### Design features for receptacle

- Rugged glass filled nylon body
- Clearly marked rating, NEMA configuration and approval listings on receptacle face
- One piece brass contacts offer superior performance and minimum heat rise
- Back and side wiring terminal clamps for easy, secure wiring

### Design features for flanged inlet & outlet

- All nylon construction
- Mounting holes interchangeable with competitive units
- Back wire terminal clamps for easy, secure wiring
- Individual wiring compartments with tapered channel for easy insertion of wires

**Table 1. NEMA L16-30 Industrial Grade Locking Devices**

Catalog No.	Description	Amps	Volts	Color
□ AHL1630P	Ultra grip plug, 3-phase	30	480	Black & white
□ AHL1630C	Ultra grip connector, 3-phase	30	480	Black & white
□ AHL1630R	Single receptacle, 3-phase	30	480	Black
□ AHL1630FO	Flanged outlet, 3-phase	30	480	Black & white
□ AHL1630FI	Flanged inlet, 3-phase	30	480	Black & white

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Project Name:	Prepared By:
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Catalog Number:	Type:

## Plug & Connector

NEMA L16-30 30A, 3Ø 480V/AC, 3P-4W

Table 2. Specifications

Catalog No.	NEMA L16-30 Plug & Connector
NEMA Config	NEMA L16-30
Wiring Type	Back wire
Environmental Specifications	<b>Flammability:</b> Meets UL94 requirements; V2 rated <b>Temperature Rating:</b> -40°C to 60°C (-40°F to 140°F)
Electrical Specifications	<b>Dielectric Voltage:</b> Twice the device rating + 1000V per UL498 <b>Current Interrupting:</b> Yes, at full-rated current <b>Temperature Rise:</b> Max. 30°C (86°F) after 50 cycles of overload at 150% of rated current (DC)
Mechanical Specifications	<b>Terminal Accommodation:</b> #16 - #8 AWG <b>Voltage Ratings:</b> Permanently marked on device

Table 3. Materials

Catalog No.	NEMA L16-30 Plug & Connector
NEMA Config	NEMA L16-30
Outer Shell	Nylon
Interior Body	Nylon
Terminal Retainer	Polycarbonate
Blades	Brass
Line Contacts	Bronze, tin plated
Terminal Clamps	Steel, tin plated
Terminal Screws	#10-32 brass, zinc plated (neutral screw)
Ground Screw	#10-32 brass
Assembly Screws	Steel, nickel plated
Gasket/Dust Shield	EPDM
Cord Clamp Screws	Steel, nickel plated
Cord Clamp	Nylon

## Product Dimensions

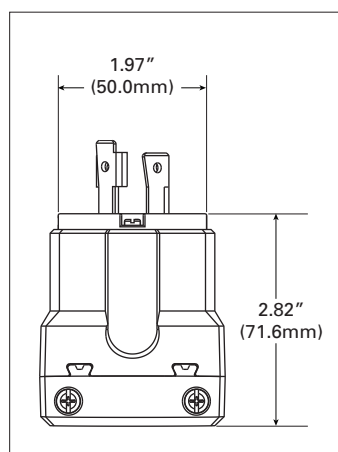


Figure 1. AHL1630P

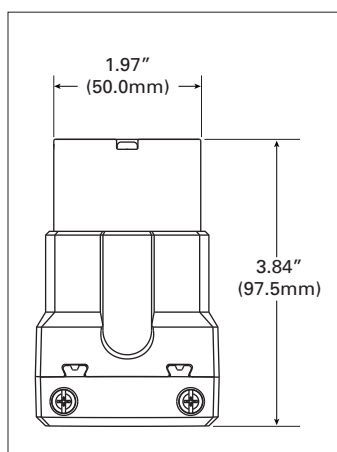


Figure 2. AHL1630C

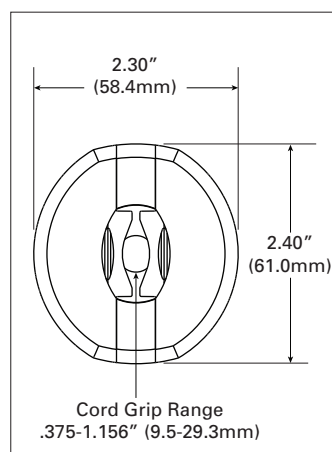


Figure 3. Base Angle

Compliances, specifications and availability are subject to change without notice.

Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:

## Single Receptacle

NEMA L16-30 30A, 3Ø 480V/AC, 3P-4W

Table 4. Specifications

Catalog No.	NEMA L16-30 Single Receptacle
NEMA Config	NEMA L16-30
Wiring Type	Back & side wire
Environmental Specifications	<b>Flammability:</b> Meets UL94 requirements; V0 rated <b>Temperature Rating:</b> -40°C to 60°C (-40°F to 140°F)
Electrical Specifications	<b>Dielectric Voltage:</b> ≤300V: 2000V, 301-600V: 3000V per UL498 <b>Current Interrupting:</b> Yes, at full-rated current <b>Temperature Rise:</b> Max. 30°C (86°F) after 50 cycles of overload @ 150% of rated current (DC)
Mechanical Specifications	<b>Terminal Accommodation:</b> #14 - #8 AWG <b>Voltage Ratings:</b> Permanently marked on device

Table 5. Materials

Catalog No.	NEMA L16-30 Single Receptacle
NEMA Config	NEMA L16-30
Face	Glass-filled nylon
Base	Glass-filled nylon
Mounting Strap	0.050" thick steel, zinc plated
Line Contacts	0.041" thick brass
Terminal Screws	#10-32 brass, nickel plated (neutral screw)
Ground Screw	#10-32 brass (green)
Terminal Clamps/Plates	0.041" thick brass
Ground Contacts	0.041" thick brass
Back Plate	0.041" thick brass, nickel plated
Mounting Screws	Steel, zinc plated

## Product Dimensions

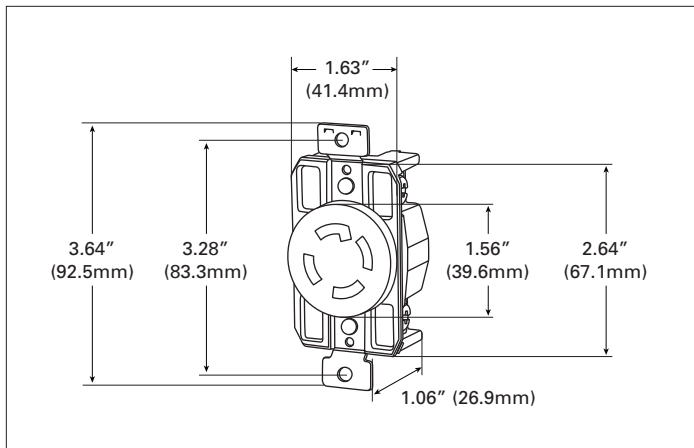


Figure 4. AHL1630R

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Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:

## Flanged Outlet & Inlet

NEMA L16-30 30A, 3Ø 480V/AC, 3P-4W

Table 6. Specifications

Catalog No.	NEMA L16-30 Flanged Outlet	NEMA L16-30 Flanged Inlet
NEMA Config	NEMA L16-30	NEMA L16-30
Wiring Type	Back wire	Back wire
Environmental Specifications	<b>Flammability:</b> Meets UL94 requirements; V2 rated <b>Temperature Rating:</b> -40°C to 60°C (-40°F to 140°F)	<b>Flammability:</b> Meets UL94 requirements; V2 rated <b>Temperature Rating:</b> -40°C to 60°C (-40°F to 140°F)
Electrical Specifications	<b>Dielectric Voltage:</b> ≤300V: 2000V, 301-600V: 3000V per UL498 <b>Current Interrupting:</b> Yes, at full-rated current <b>Temperature Rise:</b> Max. 30°C (86°F) after 50 cycles of overload @ 150% of rated current (DC)	<b>Dielectric Voltage:</b> ≤300V: 2000V, 301-600V: 3000V per UL498 <b>Current Interrupting:</b> Yes, at full-rated current <b>Temperature Rise:</b> Max. 30°C (86°F) at max rated current
Mechanical Specifications	<b>Terminal Accommodation:</b> #14 - #8 AWG <b>Voltage Ratings:</b> Permanently marked on device	<b>Terminal Accommodation:</b> #14 - #8 AWG <b>Voltage Ratings:</b> Permanently marked on device

Table 7. Materials

Catalog No.	NEMA L16-30 Flanged Outlet	NEMA L16-30 Flanged Inlet
NEMA Config	NEMA L16-30	NEMA L16-30
Outer Shell	Nylon	Nylon
Interior Body	Nylon	Nylon
Terminal Retainer	Polycarbonate	Polycarbonate
Blades	N/A	0.062" thick brass
Line Contacts	0.031" thick brass	N/A
Terminal Clamps	Steel	Steel
Terminal Screws	#10-32 brass, nickel plated (neutral screw)	#10-32 brass, nickel plated (neutral screw)
Ground Screw	#10-32 brass (green)	#10-32 brass (green)
Assembly Screws	Steel, zinc plated	Steel, zinc plated
Mounting Screws	Steel, zinc plated	Steel, zinc plated

## Product Dimensions

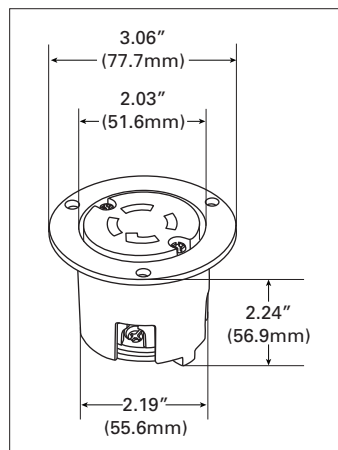


Figure 5. AHL1630FO

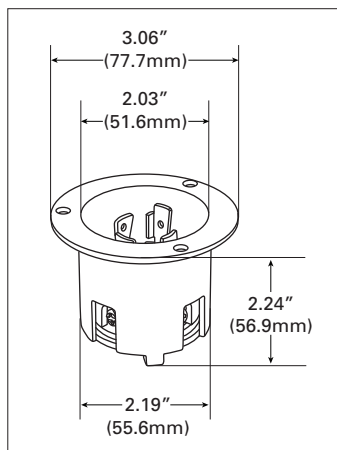


Figure 6. AHL1630FI

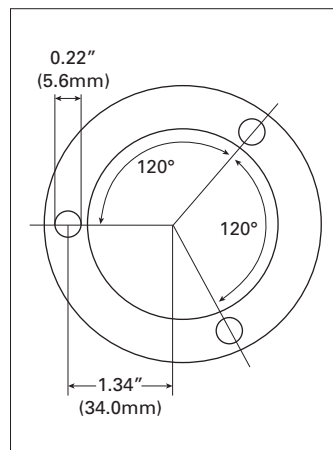












Figure 7. Top View


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Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:

## Certifications & Compliances

Catalog No.					
AHL1630P	•			•	•
AHL1630C	•			•	•
AHL1630R		•	•	•	•
AHL1630FO		•	•	•	•
AHL1630FI	•			•	•

**KEY:**  cULus  UL  CSA  NAFTA  ROHS

 Parts are manufactured and designed in accordance with article 4 of the European Union's RoHS2 directive 2011/65/EU

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Printed in USA  
Publication No. 125-0102-13  
January 2014

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# Industrial grade L16-30 locking devices

Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:



AHL1630P



AHL1630C



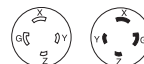
AHL1630R



AHL1630FO

## Description

NEMA L16-30 30A, 3Ø 480V/AC, 3P-4W



L16-30R L16-30P

### Design features for plug & connector

- All nylon construction
- EPDM gasket seals cord hole from dust and debris
- Back wire terminal clamps for easy secure wiring
- Individual wiring compartments with tapered channel for easy insertion of wires
- Clear cover over wiring compartments allows easy inspection of wiring terminations
- Rating printed on side of device
- Largest-in-class grommet size allows for entire cord size range

### Design features for receptacle

- Rugged glass filled nylon body
- Clearly marked rating, NEMA configuration and approval listings on receptacle face
- One piece brass contacts offer superior performance and minimum heat rise
- Back and side wiring terminal clamps for easy, secure wiring

### Design features for flanged inlet & outlet

- All nylon construction
- Mounting holes interchangeable with competitive units
- Back wire terminal clamps for easy, secure wiring
- Individual wiring compartments with tapered channel for easy insertion of wires

**Table 1. NEMA L16-30 Industrial Grade Locking Devices**

Catalog No.	Description	Amps	Volts	Color
□ AHL1630P	Ultra grip plug, 3-phase	30	480	Black & white
□ AHL1630C	Ultra grip connector, 3-phase	30	480	Black & white
□ AHL1630R	Single receptacle, 3-phase	30	480	Black
□ AHL1630FO	Flanged outlet, 3-phase	30	480	Black & white
□ AHL1630FI	Flanged inlet, 3-phase	30	480	Black & white

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Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:

## Plug & Connector

NEMA L16-30 30A, 3Ø 480V/AC, 3P-4W

Table 2. Specifications

Catalog No.	NEMA L16-30 Plug & Connector
NEMA Config	NEMA L16-30
Wiring Type	Back wire
Environmental Specifications	<b>Flammability:</b> Meets UL94 requirements; V2 rated <b>Temperature Rating:</b> -40°C to 60°C (-40°F to 140°F)
Electrical Specifications	<b>Dielectric Voltage:</b> Twice the device rating + 1000V per UL498 <b>Current Interrupting:</b> Yes, at full-rated current <b>Temperature Rise:</b> Max. 30°C (86°F) after 50 cycles of overload at 150% of rated current (DC)
Mechanical Specifications	<b>Terminal Accommodation:</b> #16 - #8 AWG <b>Voltage Ratings:</b> Permanently marked on device

Table 3. Materials

Catalog No.	NEMA L16-30 Plug & Connector
NEMA Config	NEMA L16-30
Outer Shell	Nylon
Interior Body	Nylon
Terminal Retainer	Polycarbonate
Blades	Brass
Line Contacts	Bronze, tin plated
Terminal Clamps	Steel, tin plated
Terminal Screws	#10-32 brass, zinc plated (neutral screw)
Ground Screw	#10-32 brass
Assembly Screws	Steel, nickel plated
Gasket/Dust Shield	EPDM
Cord Clamp Screws	Steel, nickel plated
Cord Clamp	Nylon

## Product Dimensions

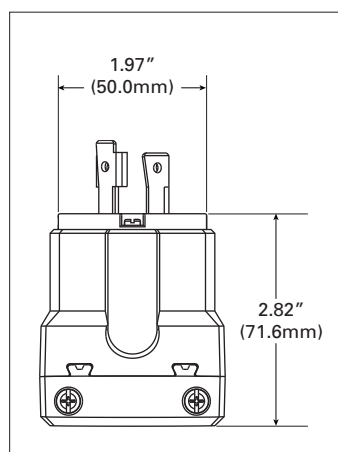


Figure 1. AHL1630P

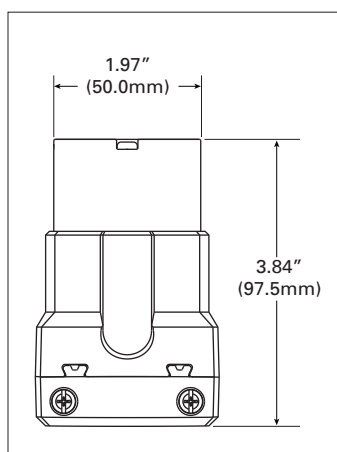


Figure 2. AHL1630C

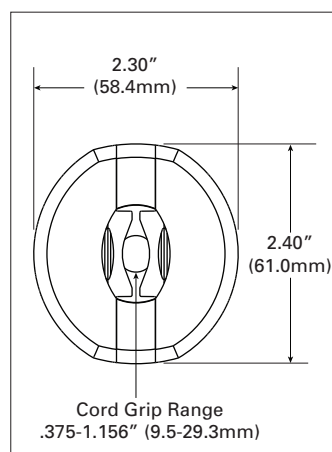


Figure 3. Base Angle

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Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:

## Single Receptacle

NEMA L16-30 30A, 3Ø 480V/AC, 3P-4W

Table 4. Specifications

Catalog No.	NEMA L16-30 Single Receptacle
NEMA Config	NEMA L16-30
Wiring Type	Back & side wire
Environmental Specifications	<b>Flammability:</b> Meets UL94 requirements; V0 rated <b>Temperature Rating:</b> -40°C to 60°C (-40°F to 140°F)
Electrical Specifications	<b>Dielectric Voltage:</b> ≤300V: 2000V, 301-600V: 3000V per UL498 <b>Current Interrupting:</b> Yes, at full-rated current <b>Temperature Rise:</b> Max. 30°C (86°F) after 50 cycles of overload @ 150% of rated current (DC)
Mechanical Specifications	<b>Terminal Accommodation:</b> #14 - #8 AWG <b>Voltage Ratings:</b> Permanently marked on device

Table 5. Materials

Catalog No.	NEMA L16-30 Single Receptacle
NEMA Config	NEMA L16-30
Face	Glass-filled nylon
Base	Glass-filled nylon
Mounting Strap	0.050" thick steel, zinc plated
Line Contacts	0.041" thick brass
Terminal Screws	#10-32 brass, nickel plated (neutral screw)
Ground Screw	#10-32 brass (green)
Terminal Clamps/Plates	0.041" thick brass
Ground Contacts	0.041" thick brass
Back Plate	0.041" thick brass, nickel plated
Mounting Screws	Steel, zinc plated

## Product Dimensions

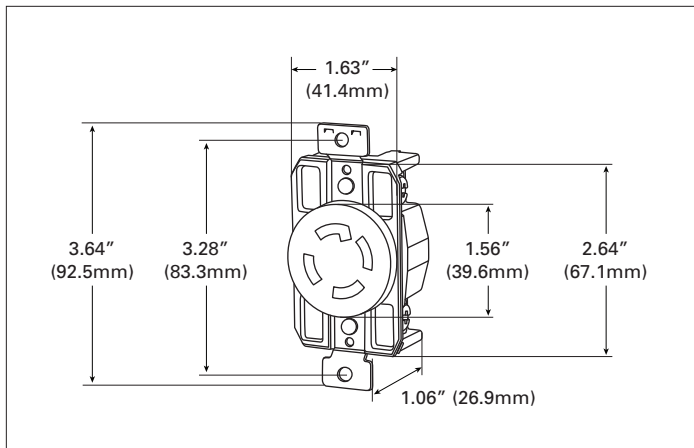


Figure 4. AHL1630R

Compliances, specifications and availability are subject to change without notice.



Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:

## Flanged Outlet & Inlet

NEMA L16-30 30A, 3Ø 480V/AC, 3P-4W

Table 6. Specifications

Catalog No.	NEMA L16-30 Flanged Outlet	NEMA L16-30 Flanged Inlet
NEMA Config	NEMA L16-30	NEMA L16-30
Wiring Type	Back wire	Back wire
Environmental Specifications	<b>Flammability:</b> Meets UL94 requirements; V2 rated <b>Temperature Rating:</b> -40°C to 60°C (-40°F to 140°F)	<b>Flammability:</b> Meets UL94 requirements; V2 rated <b>Temperature Rating:</b> -40°C to 60°C (-40°F to 140°F)
Electrical Specifications	<b>Dielectric Voltage:</b> ≤300V: 2000V, 301-600V: 3000V per UL498 <b>Current Interrupting:</b> Yes, at full-rated current <b>Temperature Rise:</b> Max. 30°C (86°F) after 50 cycles of overload @ 150% of rated current (DC)	<b>Dielectric Voltage:</b> ≤300V: 2000V, 301-600V: 3000V per UL498 <b>Current Interrupting:</b> Yes, at full-rated current <b>Temperature Rise:</b> Max. 30°C (86°F) at max rated current
Mechanical Specifications	<b>Terminal Accommodation:</b> #14 - #8 AWG <b>Voltage Ratings:</b> Permanently marked on device	<b>Terminal Accommodation:</b> #14 - #8 AWG <b>Voltage Ratings:</b> Permanently marked on device

Table 7. Materials

Catalog No.	NEMA L16-30 Flanged Outlet	NEMA L16-30 Flanged Inlet
NEMA Config	NEMA L16-30	NEMA L16-30
Outer Shell	Nylon	Nylon
Interior Body	Nylon	Nylon
Terminal Retainer	Polycarbonate	Polycarbonate
Blades	N/A	0.062" thick brass
Line Contacts	0.031" thick brass	N/A
Terminal Clamps	Steel	Steel
Terminal Screws	#10-32 brass, nickel plated (neutral screw)	#10-32 brass, nickel plated (neutral screw)
Ground Screw	#10-32 brass (green)	#10-32 brass (green)
Assembly Screws	Steel, zinc plated	Steel, zinc plated
Mounting Screws	Steel, zinc plated	Steel, zinc plated

## Product Dimensions

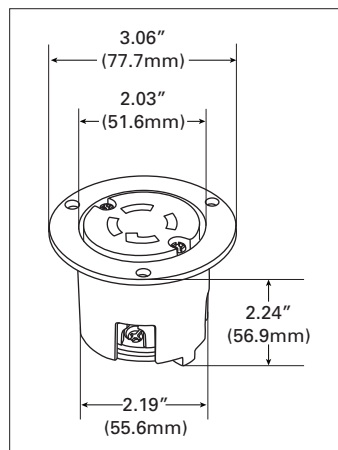


Figure 5. AHL1630FO

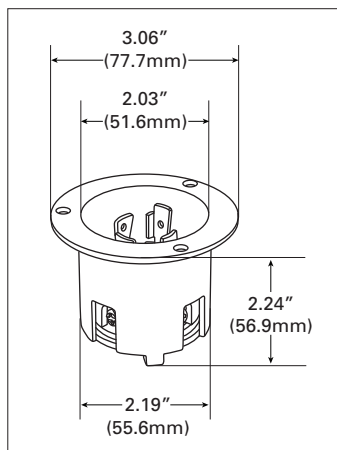


Figure 6. AHL1630FI

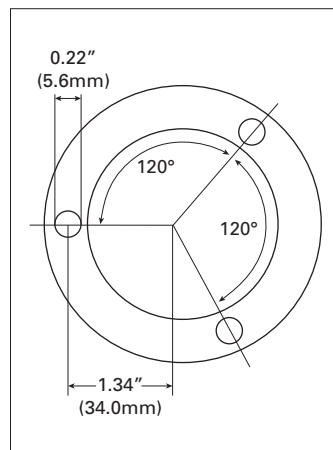












Figure 7. Top View


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Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:

## Certifications & Compliances

Catalog No.					
AHL1630P	•			•	•
AHL1630C	•			•	•
AHL1630R		•	•	•	•
AHL1630FO		•	•	•	•
AHL1630FI	•			•	•

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Publication No. 125-0102-13  
January 2014

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