

PORTABLE LIGHTING | WIRING DEVICES | PORTABLE OUTLET BOXES | CABLE GRIPS

PUSHBUTTONS, INSTRUMENTS | BRAD HARRISON® PASSIVE MEDIA















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# Custom product solutions for tough applications are a tradition at Woodhead.

In the pages ahead, you'll find products that serve many common applications. What you won't see are all of the thousands of products we are capable of producing, and have built in the past, to meet more specific needs. Customized products that involved the expertise of out design engineering staff. Products designed for specific regions of the world, in hazardous, wet and highly regulated environments.

Whether it's a brighter handlamp or a smaller wiring device, if what you're looking for isn't depicted here, give us a call. Chances are, we've already developed and produced the item you need. And if we haven't, we'd be happy to explore the possibility with you.



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# **Got a Problem?**

Woodhead provides a range of products and services to meet the most challenging problems.

#### REINVENTING THE WHEEL?

Since 1922 Weedhead has solved unique product design challenges across a wide range of industries. Chances are, we already have a solution for your problem. With thousands of standard products and variations, your answer may be as simple and economical as a walk through our catalog. In fact, over 90% of our sales are from products that already exist. That's because many standard Woodhead products began as custom solutions.

#### WHEN A MINOR TWEAK WILL DO

Often a simple variation of a current product will fit your application. Variations offer real-world solutions tailored to your requirements. Why waste time on the job modifying a standard product when Woodhead can create a viable ready-to-use solution? Because of their simple design demands, variations can often be a more cost-effective option than a true custom product. Typical variations include:

- Cable length
- Cable type
- Stringlight socket spacing
- Plug/connector configurations
- Wiring configurations
- Combinations of standard product
- Color



A full spectrum of colors is available to differentiate products, for example, crange was used on wining devices for the Alaska pipeline.

#### TOLL FREE HOTLINE 800-304-5841

#### WWW.WOODHEAD.COM



Woodhead has built

its reputation by

making products

others can't or won't.



#### 1920's

First Rubber-handled Hand Lamp

#### Railroad industry

Designed to protect retiroad workers from sleerteal shocks when wooden handles absorbed touser supering workers to shock hazards.





#### 1930's

600 Series Rubber-molded Watertite<sup>®</sup> Societs

#### Railroad industry

Tursienich freison-fü design kepe bulls from loosening und breaking in logis vidrasion area. They were laser used so fluminase che conservacion of the 1923 World's Fair Sky Eide



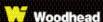
#### 1940's

First Rubber Multi-tap Outlet Box

Large Farm Equipment <u>Mfg</u>

Designed of molded rubber to prevent shocks from conductive noted boxes





# **Need A Solution?**

From standard catalog parts to custom product solutions, we have the expertise to match.

#### GOING OUTSIDE THE BOX

Despite a wide array of existing choices, some of you will be faced with an electrical challenge that cannot be addressed by any current product or variation. Ask yourself:

- . What is the real problem?
- . What am I trying to accomplish?
- . What is the obstacle to solving the problem?

Now you're ready to explore Woodhead Custom Electrical Solutions. Custom products are recommended when standard products or variations cannot meet your job requirements.

If custom is what you need, you've come to the right place

Throughout its history, Woodhead has ventured into uncharted territory to develop products that other manufacturers pan't, or won't.

Product customization takes many forms. Woodhead offers competencies that are unrivaled in the industry. For example, owning our own rubber manufacturing plant uniquely positions us to offer specialized custom rubber capabilities. Other options include

- Custom Rubber Molding
- Non-rubber products
- . Specially machined parts

custom design. These "specials" can then become standard catalog items with applications in industry.

Military applications often demand



ns What cruell

Special packaging

- Hot stamping
- · Turnkey kit solutions

WOODHEAD CUSTOM PRODUCTS GROUP



1960's

First 15W Fluorescent Light

Telecommunications Co.

Designed to provide brighter, cooler lighting for field mammentative crows working in confined spaces. Used the same way by helicopeer mammentative crows.



1970's

Telin Tube Fluorescent Light

Major Airline

Designed specifically for amoraly engineering or applications to provide concontrated highe to adjust spaces. This eliminated the need to rape now fluorenees handlangs cognifier.



1980's

Waterite Wiring Davices Food Proceeding Co.

Pedesigned to withward higher water pressure from house in washdown securosuments



1990's

Portable Hazardous-duty Purge Light

Aircraft Mauufactsoor

Draggeed to provide safe lighting in the presence of explorive gases. Now consings presented to reduce metal farigue on aimself, created notions furner for workers. Pume light forces explosive gases from the furner to presence engagering an explosion of the presence of







Whatever your lighting conditions, wherever your location, chances a re Woodhead makes the portable light that best serves your needs. From fluorescent hand lamps for routine task lighting to the innovative series of HAZTEX® hazardbus duty lights for wide are a illumination — all over the world, in dry, wet, and hazardous locations, workers depend on the rugged, reliable performance of Woodhead lights.

All Woodhead portable lights provide the same essential benefits; each unit is built for easier handling, maintenance, transport and storage throughout an extensive operating life. That means your Woodhead portable light can save time, increase efficiency and reduce cost on the job.

Woodhead portable lights successfully balance the compactness workers need with the toughness required in specific applications. Rugged materials such as NEōTEX® rubber, molded high-impact thermoplastic and nylon, and heavy-duty zinc-plated steel are utilized to enhance durability and protect lamps, wiring and contacts against breakage, corrosion and wear. Woodhead lights are designed to be fully field-serviceable to minimize downtime and maintenance expense.

# The Woodhead Toughness Quotient™

This section includes a comprehensive view of the many portable lighting solutions available from Woodhead. It also features the WTQ™ (Woodhead Toughness Quotient) identifier in the upper part of the page. The WTQ is based on a performance: price ratio on a scale of 1 through 10. Products are rated according to specific criteria, including durability of materials, resistance to harsh environments, ease of use, ergonomics and safety in relation to price.

A WTQ rating of 1-3 indicates reliability and value for general construction projects. Woodhead products rated 4-6 are generally used in construction, industrial facilities, utilities, shipyards and other demanding environments. Our most rugged portable lights are assigned WTQ ratings of 7-10. This rating is only given to products that can withstand the severe conditions found in shipyards, steel mills, petrochemical plants, and pulp and paper facilities. Choose Woodhead and get the tough, tougher and toughest portable lighting products available for your environment.



# HAND LAMPS Hazardous Duty, Incandescent, 75W, 100W

Woodhead hazardous duty portable lights are designed and manufactured to meet the stringent specifications of NEC Article 500 and are U.L. listed and CSA certified for Class I, Division I, Groups C & D (flammable gases and vapors), and Class II, Division I Groups F & G (ignitable dust) as well as U.L. Class I, Zone 1, Group IIB. For hazardous duty and wet locations, use the 12-volt version of our most popular incandescent lamp with an in-line transformer or use with a low-volt workstation.



#### 100W Hand Lamp

- 100W maximum lamp
- · hand lamp only

part no. 61430



# Incandescent Hazardous Duty Hand Lamps

PART NO.	FIXTURE VOLTAGE	MAX. WATTAGE¹	CORD Type	NEMA CONFIGURATION <sup>2</sup>	CORD Length	MAXIMUM LAMP
61430	240V MAX	100W	_	_		A21
61430A163 <sup>3</sup>	240V MAX	100W	16/3 S00W	NEMA 5-15	25'	A21
61430B163 <sup>3</sup>	240V MAX	100W	16/3 S00W	NEMA 5-15	50'	A21
61430D163 <sup>3</sup>	240V MAX	100W	16/3 S00W	NEMA 5-15	100'	A21

<sup>175</sup>W MAX. FOR CLASS II GROUP G; 100W MAX. FOR CLASS I GROUPS C & D

# Incandescent Hazardous Duty Hand Lamps - Low Voltage

	VOLTA	AGE	LAMP	MAX.	CORD TYPE		NEMA	CORD	MAX.	REPL.	TRANSFORMER
PART NO.	PRIM.	SEC.	WATTAGE	WATTAGE	PRIM.	SEC.	CONFIG.1	LENGTH	LAMP	LAMP	TYPE
1635-12A	120V/60HZ	12VAC	75W	-	16/3 S00W	14/3 S00W	NEMA 5-15	25'	A21	1652-12	IN-LINE
1635-12B	120V/60HZ	12VAC	75W	_	16/3 S00W	14/3 S00W	NEMA 5-15	50'	A21	1652-12	IN-LINE
1645-12 <sup>2</sup>	12VAC/DC	—	75W	100	_	14/3 S00W	NON-NEMA	50'	A21	1652-12	WORKSTATION

ALL LAMPS FEATURE SUPER-SAFEWAY PLUGS

#### Replacement Parts

PART NO.	DESCRIPTION
1676-EX	IN-LINE TRANSFORMER COVER ASSEMBLY FOR HAZARDOUS DUTY HAND LAMPS
1678-12	IN-LINE TRANSFORMER FOR INCANDESCENT HAND LAMP
61430RT	REGLOBING TOOLS FOR 61430 INCANDESCENT HAND LAMP
61431	GUARD ASSEMBLY FOR 61430 INCANDESCENT HAND LAMP
61432	SOCKET AND HANDLEASSY. FOR 61430 INCANDESCENT HAND LAMP
61435	GLASS GLOBE FOR 61430 INCANDESCENT HAND LAMP
61436	HOOK ASSEMBLY FOR HAND LAMP
51-7272	HOOK FOR HAND LAMPS



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS.
FOR A LISTING OF APPROVALS BY PART NUMBER. SEE PAGES 262-269.

<sup>&</sup>lt;sup>2</sup> ALL LAMPS FEATURE SUPER-SAFEWAY® PLUGS

<sup>3</sup> ALSO AVAILABLE WITH #14-3 CORD: CHANGE THE LAST THREE DIGITS TO "143"; FOR EXAMPLE, 61430A163 BECOMES 61430A143

<sup>&</sup>lt;sup>2</sup> FOR USE WITH LOW VOLTAGE WORKSTATION ON PAGE 13



#### HAND LAMPS Hazardous Duty, Fluorescent, 26W

Woodhead hazardous duty portable lights are designed and manufactured to meet the stringent specifications of NEC Article 500 and are U.L. listed and CSA certified for Class I, Division I, Groups C & D (flammable gases and vapors), and Class II, Division I G roups F & G (ignitable dust) as well as U.L. Class I, Zone 1, Group IIB. For hazardous duty and conductive locations, use the 12 volt version of our most popular fluorescent lamp with an in-line transformer or use with a low-volt workstation.



# Fluorescent Hazardous Duty Hand Lamps

	FIXTURE VOLTAGE		LAMP	CORD	NEMA	CORD		LAMP	REPL.	TRANSFORMER
PART NO.	PRIM.	SEC.	WATT.	TYPE	CONFIG. <sup>1</sup>	LENGTH	LUMENS	TYPE	LAMP	TYPE
1090-HZ	120V/60HZ	_	26W	_	_	_	1800	PL-C 26/41/4P	34-0391	N/A
1090-HZA163 <sup>2</sup>	120V/60HZ	_	26W	16/3 S00W	NEMA 5-15	25'	1800	PL-C 26/41/4P	34-0391	N/A
1090-HZB163 <sup>2</sup>	120V/60HZ	_	26W	16/3 S00W	NEMA 5-15	50'	1800	PL-C 26/41/4P	34-0391	N/A
1090-HZD163 <sup>2</sup>	120V/60HZ	_	26W	16/3 S00W	NEMA 5-15	100'	1800	PL-C 26/41/4P	34-0391	N/A
1090-HZ12IA163	120V/60HZ	12VAC	26W	16/3 S00W	NEMA 5-15	25'	1800	PL-C 26/41/4P	34-0391	IN-LINE
1090-HZ12IB163	120V/60HZ	12VAC	26W	16/3 S00W	NEMA 5-15	50'	1800	PL-C 26/41/4P	34-0391	IN-LINE
1090-HZ12ID143	120V/60HZ	12VAC	26W	14/3 S00W	NEMA 5-15	100'	1800	PL-C 26/41/4P	34-0391	IN-LINE
1090-HZ12IB163P	220/12	_	26W	16/3 S00W	_	50'	1800	PL-C 26/41/4P	34-0391	IN-LINE
1090-HZ12ID143P	220/12	_	26W	14/3 S00W	_	50'	1800	PL-C 26/41/4P	34-0391	IN-LINE

<sup>1</sup> ALL LAMPS FEATURE SUPER-SAFEWAY® PLUGS

# Fluorescent Hazardous Duty Hand Lamps - Low Voltage

Ī		FIXTURE V	OLTAGE	LAMP	CORD	NEMA	CORD		LAMP	REPL.	TRANSFORMER
	PART NO.	PRIM.	SEC.	WATT.	TYPE	CONFIG.1	LENGTH	LUMENS	TYPE	LAMP	TYPE
	1090-HZ12A163 <sup>2</sup>	12VAC	_	26W	16/3 S00W	NON-NEMA	25'	1800	PL-C 26/41/4P	34-0391	WORKSTATION
	1090-HZ12B163 <sup>2</sup>	12VAC	_	26W	16/3 S00W	NON-NEMA	50'	1800	PL-C 26/41/4P	34-0391	WORKSTATION

<sup>&</sup>lt;sup>1</sup> ALL LAMPS FEATURE SUPER-SAFEWAY PLUGS

#### Replacement Parts

PART NO.	DESCRIPTION
00-1470	CAP BUMPER
00-1480	GUARD BUMPER
00-1490	HANDLE BUMPER
40-9442	GLASS GLOBE

PART NO.	DESCRIPTION
40-9441	LAMP GUARD
40-9451	END CAP
40-9456	HANDLE ASSEMBLY



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

<sup>2</sup> ALSO AVAILABLE WITH #14-3 CORD: CHANGE THE LAST THREE DIGITS TO "143"; FOR EXAMPLE, 61430A163 BECOMES 61430A143

<sup>&</sup>lt;sup>2</sup> FOR USE WITH LOW VOLTAGE WORKSTATION ON PAGE 13



## HAND LAMPS Wet Location, Incandescent, 100W

Woodhead offers an extensive line of wet location lighting solutions that meet and exceed the OSHA requirements for wet location use. U.L. listed NEMA 4X for damp locations, these Watertite® incandescent hand lamps are the tough industrial tools you can rely on for the desired level of illumination and protection needed in wet work areas.



#### Incandescent Hand Lamps for Wet Locations

Tempered glass globe. For replacement parts, see page 21.

PART NO.	FIXTURE VOLTAGE	GROUNDED GUARD	QUICK OPEN GUARD	GUARD WITH REFLECTOR	RUBBER COATED GUARD	POLY CARB GLOBE	CORD TYPE	NEMA CONFIGURATION	CORD LENGTH	LAMP TYPE
1203	120VAC						_	_	_	A21
1203A163	120VAC	•					16/3 S00W	NEMA 5-15	25'	A21
1203B163	120VAC	•					16/3 S00W	NEMA 5-15	50'	A21
1203GC	120VAC	•					l —	_	l —	A21
1203P	120VAC					•	_	_	_	A21
1203Q0	120VAC		•				_	_	l —	A21
1203Q0A163	120VAC	•	•				16/3 S00W	NEMA 5-15	25'	A21
1203Q0B163	120VAC	•	•				16/3 S00W	NEMA 5-15	50'	A21
1203Q0GC	120VAC	•	•				l —	_	l —	A21
1203PQ0A163	120VAC	•	•			•	16/3 S00W	NEMA 5-15	25'	A21
1203PQ0B143	120VAC	•	•			•	14/3 S00W	NEMA 5-15	50'	A21
1203R	120VAC			•			_	_	l —	A21
1203RA163	120VAC	•		•			16/3 S00W	NEMA 5-15	25'	A21
1203RB163	120VAC	•		•			16/3 S00W	NEMA 5-15	50'	A21
1203RGC	120VAC	•		•			_	_	l —	A21
1203RI	120VAC			•	•		_	_	_	A21
1203RIA163	120VAC	•		•	•		16/3 S00W	NEMA 5-15	25'	A21
1203RIB163	120VAC	•		•	•		16/3 S00W	NEMA 5-15	50'	A21
1203RIGC	120VAC	•		•	•		_	_	_	A21



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.



# HAND LAMPS Wet Location, Incandescent, 75W, 100W •



# Incandescent Hand Lamps for Wet Locations Tempered glass globe. For replacement parts, see page 21.

PART NO.	FIXTURE VOLTAGE	GROUNDED GUARD	CAST ALUMINUM GUARD	GUARD WITH REFLECTOR	RUBBER COATED GUARD	POLY CARB GLOBE	CORD TYPE	NEMA CONFIGURATION	CORD LENGTH	LAMP TYPE
1203PRI	120VAC			•	•	•	_	_	_	A21
1203RA163P	120VAC	•		•		•	16/3 S00W	NEMA 5-15	25'	A21
1203RB163P	120VAC	•		•		•	16/3 S00W	NEMA 5-15	50'	A21
12031	120VAC				•		_	_	_	A21
1203IA163	120VAC	•			•		16/3 S00W	NEMA 5-15	25'	A21
1203IB163	120VAC	•			•		16/3 S00W	NEMA 5-15	50'	A21
1203IGC	120VAC	•			•		_	_	_	A21
1207	120VAC		•				_	_	_	A21
1207A163	120VAC	•	•				16/3 S00W	NEMA 5-15	25'	A21
1207B163	120VAC	•	•				16/3 S00W	NEMA 5-15	50'	A21
1207GC	120VAC	•	•				_	_	_	A21
1207R	120VAC		•	•			_	_	_	A21
1207RA163	120VAC	•	•	•			16/3 S00W	NEMA 5-15	25'	A21
1207RB163	120VAC	•	•	•			16/3 S00W	NEMA 5-15	50'	A21
1207RGC	120VAC	•	•	•			_	_	_	A21
1207P	120VAC		•			•	_	_	_	A21
1207PRB163	120VAC	•	•	•		•	16/3 S00W	NEMA 5-15	50'	A21
1220¹	120VAC						_	_	_	A21
1223¹	120VAC						16/2 S00W	NEMA 1-15	25'	A21
1225¹	120VAC						16/2 S00W	NEMA 1-15	50'	A21

<sup>1</sup> INCLUDES TEFLON® GLOBE





MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.



# HAND LAMPS Wet Location, Low Voltage, Incandescent, 75W

Woodhead offers an extensive line of wet location lighting solutions that meet and exceed the OSHA requirements for wet location use. U.L. listed NEMA 4X for damp locations, these Watertite® incandescent hand lamps are the tough industrial tools you can rely on for the desired level of illumination and protection needed in wet work areas.



# Incandescent Hand Lamps - Low Voltage

Tempered glass globe. All lamps are supplied with 12V, 75W, A21 bulbs and have 10 ft. of primary cord length before transformer.

	FIXTURE VO	LTAGE	GUARD TYPE WITH SCREW RELEASE		CORD TYPE		NEMA	CORD	RPLC.	TRANSFORMER	
PART NO.	PRIM	SEC.	STEEL	CAST ALUM.	TEFLON	PRIMARY	SECONDARY	CONFIG.	LENGTH	LAMP	TYPE
1621-12B	120V/60HZ	12VAC	•			16/3 S00W	14/2 S00W	NEMA 5-15	50'	1652-12	IN-LINE
1625-12B	120V/60HZ	12VAC			•	16/3 S00W	14/2 S00W	NEMA 5-15	50'	1652-12	IN-LINE
1631-12B	120V/60HZ	12VAC		•		16/3 S00W	14/2 S00W	NEMA 5-15	50'	1652-12	IN-LINE
1621-12A	120V/60HZ	12VAC	•			16/3 S00W	14/2 S00W	NEMA 5-15	25'	1652-12	IN-LINE
1649-12 <sup>1</sup>	12VAC/DC	_	•			14/2 S00W	_	NON-NEMA	50'	1652-12	WORKSTATION
1621-12B-P	220V/50HZ	12VAC	•			16/3 S00W	14/2 S00W	_	50'	1652-12	IN-LINE
1625-12A	120V/60HZ	12VAC			•	16/3 S00W	14/2 S00W	NEMA 5-15	25'	1652-12	IN-LINE
1631-12A	120V/60HZ	12VAC		•		16/3 S00W	14/2 S00W	NEMA 5-15	25'	1652-12	IN-LINE
1646-121	12VAC/DC	_			•	14/2 S00W	_	NON-NEMA	50'	1652-12	WORKSTATION

<sup>1</sup> FOR USE WITH LOW VOLTAGE WORKSTATION ON PAGE 13



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

# **GUARDS** Wet Location, Incandescent, Hand Lamps •







1255 1255R 1259

#### **Guards** For use with Watertite® incandescent hand lamps.

PART NO.	DESCRIPTION	LAMP TYPE
1255	_	A21
1255R	WITH REFLECTOR	A21
1259	QUICK OPEN	A21
1257	CAST ALUMINUM	A21
1255IG	RUBBER COATED	A21
1255RIG	RUBBER COATED WITH REFLECTOR	A21
1257R	CAST ALUMINUM WITH REFLECTOR	A21
1259R	QUICK OPEN WITH REFLECTOR	A21

# Replacement Parts and Lamps

PART NO.	DESCRIPTION
1229	TEFLON® GLOBE FOR WATERTITE® INCANDESCENT HAND LAMP
1253	GLASS GLOBE FOR WATERTITE® INCANDESCENT HAND LAMP
1261	HANDLE FOR WATERTITE® INCANDESCENT HAND LAMP
1261GC	HANDLE FOR WATERTITE® INCANDESCENT HAND LAMP WITH GROUND CLIP

PART NO.	DESCRIPTION
1278	GROUND CLIP FOR WATERTITE® INCANDESCENT HAND LAMP
41-6762	POLYCARBONATE GLOBE FOR WATERTITE® INCANDESCENT HAND LAMP
70-3000	RETAINING RING FOR TEFLON® GLOBE



www.woodhead.com



# HAND LAMPS Industrial Duty, Incandescent, 100W

Heavy-duty construction and long operating life in industrial applications sets the Woodhead line of incandescent hand lamps apart from all others. #8 gauge zinc-plated guards and thick NEōTEX® rubber handles protect bulbs and electrical components, while an ergonomically designed fencer's flange handle helps protect the user from accidentally touching a hot steel guard. The use of in-line transformers step voltage levels down to 12V for added safety.



# Incandescent Low Voltage Hand Lamps with In-Line Transformer

All lamps are supplied with 75W bulbs and have 10 ft. of primary cord length before transformer.

	FIXTURE V	OLTAGE	MAX. LAMP	CORD	TYPE	NEMA	CORD	LAMP	REPL.	TRANSFORMER
PART NO.	PRIM.	SEC.	WATTAGE	PRIMARY	SECONDARY	CONFIGURATION1	LENGTH	TYPE	LAMP	TYPE
1601-12A	120V/60HZ	12VAC	75W	16/3 S00W	14/2 S00W	NEMA 5-15	25'	A21	1652-12	IN-LINE
1601-12B	120V/60HZ	12V AC	75W	16/3 S00W	14/2 S00W	NEMA 5-15	50'	A21	1652-12	IN-LINE
1600-12A	120V/60HZ	12VAC	75W	16/3 S00W	14/2 S00W	NEMA 5-15	25'	A21	1652-12	IN-LINE
1600-12B	120V/60HZ	12VAC	75W	16/3 S00W	14/2 S00W	NEMA 5-15	50'	A21	1652-12	IN-LINE
1648-12 <sup>2</sup>	_	12VAC	75W	_	14/2 S00W	NON-NEMA	50'	A21	1652-12	WORKSTATION

<sup>&</sup>lt;sup>1</sup> ALL LAMPS FEATURE SUPER-SAFEWAY® PLUGS

<sup>&</sup>lt;sup>2</sup> FOR USE WITH LOW VOLTAGE WORKSTATION ON PAGE 13



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.



#### LOW VOLTAGE WORKSTATION

Woodhead step-down transformers convert 120V power to 12V power for use in wet locations with 12V tools and lights. Low-voltage workstations are exceptionally durable, easy to handle and service and capable of long continuous operation in some of industry's most demanding environments. To protect workers and comply with OSHA, the transformers must be kept out of the wet location as 120V primary voltage should not be located in such areas. Circuit breakers located on the low voltage workstation provide 15 amp protection.

# **BEST SELLERS!**

#### 4 Outlet Workstation

• Non-NEMA crowfoot receptacles

• 400W maximum

part no. 1640-12 (shown)

#### 2 Outlet Workstation

• Non-NEMA crowfoot receptacles

• 200W maximum



# Low Voltage Workstation

	FIXTURE VOLTAGE		MAX.		CORD	NEMA	CORD
PART NO.	PRIM.	SEC.	LAMP WATT.	OUTLETS	TYPE	CONFIGURATION	LENGTH
1640-12	120V/60HZ	12VAC	400W	4 60W07 NON-NEMA CROWFOOT	16/3 S00W	NEMA 5-15	6'
1642-12	120V/60HZ	12VAC	200W	2 60W07 NON-NEMA CROWFOOT	16/3 S00W	NEMA 5-15	6'
1641-12 <sup>2</sup>	120V/60HZ	12VAC	400W	1 69W08 NON-NEMA LOCKING	16/3 S00W	NEMA 5-15	10'
1644-12 <sup>1</sup>	120V/60HZ	12VAC	200W	2 60W07 NON-NEMA CROWFOOT	16/3 S00W	NEMA 5-15	6'
1643-121	120V/60HZ	12VAC	400W	4 60W07 NON-NEMA CROWFOOT	16/3 S00W	NEMA 5-15	6'

<sup>&</sup>lt;sup>1</sup> FOR USE WITH NO. 8500 HALOGEN WIDE AREA LIGHT, 10 AMP CIRCUIT BREAKER PROTECTION





MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

<sup>&</sup>lt;sup>2</sup> FOR USE WITH NO. 321637 STRINGLIGHT, 30 AMP CIRCUIT BREAKER PROTECTION



# HAND LAMPS Industrial Duty, Incandescent, 100W

Heavy-duty construction and long operating life in industrial applications is what sets the Woodhead line of incandescent hand lamps apart from all others. #8 gauge zinc-plated guards and thick NEōTEX® rubber handles help protect bulbs and electrical components, while an ergonomically designed fencer's flange handle helps protect the user from accidentally touching a hot steel guard.





#### Incandescent Hand Lamp

- on/off switch in handle
- utility outlet in handle
- · quick-open guard with reflector
- · handle and guard only

part no. 105US

# Incandescent Hand Lamps

			GUARD TYPE WITH REFLECTOR					
	SIDE		QUICK-	SCREW	FIXTURE	MAX. LAMP	CORD	CORD
PART NO.	OUTLET	SWITCH	OPEN	RELEASE	VOLTAGE	WATT.	TYPE	LENGTH
105US	•	•	•		240V MAX	100W	_	_
105USA163	•	•	•		240V MAX	100W	16/3 S00W	25'
105USB163	•	•	•		240V MAX	100W	16/3 S00W	50'
105S		•	•		240V MAX	100W	_	_
105SA163		•	•		240V MAX	100W	16/3 S00W	25'
105SB163		•	•		240V MAX	100W	16/3 S00W	50'
105U	•		•		240V MAX	100W	_	_
105UA163	•		•		240V MAX	100W	16/3 S00W	25'
105UB163	•		•		240V MAX	100W	16/3 S00W	50'
105			•		240V MAX	100W	_	_
105A163			•		240V MAX	100W	16/3 S00W	25'
105B163			•		240V MAX	100W	16/3 S00W	50'
106US	•	•		•	240V MAX	100W	_	_
106USA163	•	•		•	240V MAX	100W	16/3 S00W	25'
106USB163	•	•		•	240V MAX	100W	16/3 S00W	50'
106S		•		•	240V MAX	100W	_	_
106SA163		•		•	240V MAX	100W	16/3 S00W	25'
106SB163		•		•	240V MAX	100W	16/3 S00W	50'
106U	•			•	240V MAX	100W	_	_
106UA163	•			•	240V MAX	100W	16/3 S00W	25'
106UB163	•			•	240V MAX	100W	16/3 S00W	50'
106				•	240V MAX	100W	_	_
106A163				•	240V MAX	100W	16/3 S00W	25'
106B163				•	240V MAX	100W	16/3 S00W	50'



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.



# HAND LAMPS Industrial Duty, Incandescent, 75W-300W •

#### **BUILD A HAND LAMP**

To customize your Woodhead hand lamp, first select a handle assembly from the chart below, then choose the best guard for your application.



#### STEP 1 Select a Handle

	HANDLE ONLY	SWITCH	OUTLET	OUTLET/SWITCH
				_
	di.	4	4	Children .
			-	4
		- N	- 1	
	60			160
NO CORD	1173	1174	1175U	1175US
25 FT. CORD	41-7370	41-7390	41-7410	41-7430
50 FT. CORD	41-7380	41-7400	41-7420	41-7440

#### STEP 2 Select a Guard

GUARD TYPE	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED
ACCESSIBILITY	SCREW RELEASE	SCREW RELEASE	QUICK OPEN	QUICK OPEN	SCREW RELEASE	SCREW RELEASE
REFLECTOR		•		•		•
LAMP TYPE(S)	75-100W	75-100W	75-100W	75-100W	200-300W	200-300W
	A19, A21, A23	A19, A21, A23	A19, A21, A23	A19, A21, A23	A21, PS30, PS25	A21, PS30, PS25
ZINC PLATED STEEL	1152	1156	1162	1166	1153	1157
RUBBER COATED INSULATED	1152IG	1156IG	1162IG	_	1153IG	1157IG
	,					•
GUARD TYPE	OPEN	OPEN	OPEN	OPEN	CLOSED NYLON	OPEN
ACCESSIBILITY	SCREW RELEASE	SCREW RELEASE	SCREW RELEASE	SCREW RELEASE	QUICK OPEN	SCREW RELEASE
REFLECTOR		•		•	•	
LAMP TYPE(S)	75–100W A19, A21, A23	75–100W A19, A21, A23	200-300W A21, PS30, PS25	200–300W A21, PS30, PS25	75–100W A19, A21, A23	PAR 38
						A
	15-10-9	15 100	47.13	200		

1161IG

1165IG

#### Replacement Parts

RUBBER COATED INSULATED

PART NO.	DESCRIPTION
1133	SOCKET ASSEMBLY FOR SUPER SAFEWAY® INCANDESCENT HAND LAMP
1134	SOCKET ASSEMBLY FOR SUPER SAFEWAY INCANDESCENT HAND LAMP/SWITCH
1135U	SOCKET ASSEMBLY FOR SUPER SAFEWAY INCANDESCENT HAND LAMP/SIDE OUTLET
1135US	SOCKET ASSEMBLY FOR SUPER SAFEWAY INCANDESCENT HAND LAMP/SIDE OUTLET/SWITCH
1143	RUBBER HANDLE FOR SUPER SAFEWAY INCANDESCENT HAND LAMP
1144	RUBBER HANDLE FOR SUPER SAFEWAY INCANDESCENT HAND LAMP/SWITCH
1145U	RUBBER HANDLE FOR SUPER SAFEWAY INCANDESCENT HAND LAMP/SIDE OUTLET
1145US	RUBBER HANDLE FOR SUPER SAFEWAY INCANDESCENT HAND LAMP/SIDE OUTLET/SWITCH

1164IG



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

1160IG



# → HAND LAMPS Industrial Duty, Fluorescent, 13W, 27W, 40W

Ideal for task lighting applications, fluorescent hand lamps offer bright, diffuse illumination from 900 to 3150 lumens and still remain cool to the touch. The fluorescent bulbs and rubber handles offer the robust and rugged features that provide you with the safety, durability and reliability you expect from a Woodhead hand lamp.



#### 13W Hand Lamp

• same as 1083-3 except ballast in handle and 16/3 SJTOW cord type

part no. 1086-3

# 13W Hand Lamp • on/off switch in handle • ballast on cord • lamp type PL13/41 • 25' 18/3 SJT00W cord part no. 1083-3



#### 27W Hand Lamp

- on/off switch in handle
- ballast on cord
- lamp type PL27/41
- 25' 18/3 SJT00W cord

part no. 1093-3



#### 40W Hand Lamp

- on/off switch in handle
- · ballast on cord
- lamp type PL40/41
- 25' 18/3 SJT00W cord

part no. 1097-3





MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

# Fluorescent Hand Lamps

PART NO.	SWITCH	FIXTURE VOLTAGE	LAMP WATTAGE	CORD Type	BALLAST LOCATION	NEMA CONFIGURATION	CORD LENGTH	LUMENS	LAMP TYPE	REPL.
1083-3	•	120V/60HZ	13W	18/3 SJT00W	CORD	NEMA 5-15	25'	900	PL13/41	34-0390
1083-3NS		120V/60HZ	13W	18/3 SJT00W	CORD	NEMA 5-15	25'	900	PL13/41	34-0390
1085-3NS		120V/60HZ	13W	18/3 SJT00W	CORD	NEMA 5-15	50'	900	PL13/41	34-0390
1086-3NS		120V/60HZ	13W	16/3 SJT0W	HANDLE	NEMA 5-15	25'	900	PL13/41	34-0390
1087-3NS		120V/60HZ	13W	16/3 SJT0W	HANDLE	NEMA 5-15	50'	900	PL13/41	34-0390
1085-3	•	120V/60HZ	13W	18/3 SJT00W	CORD	NEMA 5-15	50'	900	PL13/41	34-0390
1086-3	•	120V/60HZ	13W	16/3 SJT0W	HANDLE	NEMA 5-15	25'	900	PL13/41	34-0390
1087-3	•	120V/60HZ	13W	16/3 SJT0W	HANDLE	NEMA 5-15	50'	900	PL13/41	34-0390
1093-3	•	120V/60HZ	27W	18/3 SJT00W	CORD	NEMA 5-15	25'	1800	PL-L 27/41	34-0130
1095-3	•	120V/60HZ	27W	18/3 SJT00W	CORD	NEMA 5-15	50'	1800	PL-L 27/41	34-0130
1097-3	•	120V/60HZ	40W	18/3 SJT00W	CORD	NEMA 5-15	25'	3150	PL-L 40/41	34-0120
1099-3	•	120V/60HZ	40W	18/3 SJT00W	CORD	NEMA 5-15	50'	3150	PL-L 40/41	34-0120
1083-3-P	•	230V/50HZ	13W	18/3 SJT00W	CORD	_	25'	900	PL13/41	34-0390
1085-3-P	•	230V/50HZ	13W	18/3 SJT00W	CORD	_	50'	900	PL13/41	34-0390
1083-3-E	•	110V/50HZ	13W	18/3 SJT00W	CORD	-	25'	900	PL13/41	34-0390
1086-3-E	•	110V/50HZ	13W	16/3 SJT0W	HANDLE	<b> </b> —	25'	900	PL13/41	34-0390
1087-3-E	•	110V/50HZ	13W	16/3 SJT0W	HANDLE	_	50'	900	PL13/41	34-0390
1093-3-E	•	110V/50HZ	27W	18/3 SJT00W	CORD	_	25'	1800	PL-L 27/41	34-0130
1097-3-E	•	110V/50HZ	40W	18/3 SJT00W	CORD	_	25'	3150	PL-L 40/41	34-0120
1099-3-E	•	110V/50HZ	40W	18/3 SJT00W	CORD	_	25'	3150	PL-L 40/41	34-0120

## Replacement Parts

PART NO.	DESCRIPTION
1086LC	TEAR OFF SHIELD COVER FOR 1083-3 & 1086-3 HAND LAMPS
1083-3HON	1083-3 WITHOUT CORD; FIXTURE ONLY
1083-3H0NS	1083-3 WITHOUT CORD AND SWITCH; FIXTURE ONLY
1086-3H0	13W. WITH SWITCH & BALLAST IN HANDLE 120V/60HZ FIX. VOLT.,
	900 LUMENS, LAMP TYPE PL13/41, 34-0390 REPLAC. LAMP
34-0390	13W PL LAMP

PART NO.	DESCRIPTION
34-0130	27W PL-L LAMP
40-1040	SHIELD ASSY. FOR 13W FLUOR. HAND LAMP (1083/1086 SERIES)
40-1020	SHIELD ASSEMBLY FOR 27W HAND LAMP (1093 SERIES)
40-1021	SHIELD ASSEMBLY FOR 40W HAND LAMP (1097 SERIES)
70-1350	NYLON HOOK FOR 13W, 27W & 40W HAND LAMPS



# HAND LAMPS Industrial Duty, Fluorescent with Battery Pack, 13W •

Fully portable, compact, lightweight and exceptionally durable, the 1083 battery pack combines a Woodhead 13 watt fluorescent hand lamp with a battery power unit. Designed for use in the most out-of-the-way areas where power is not readily available, batterypowered fluorescent hand lamps provide you with 900 lumens of "cool" operation and diffuse illumination.



# Fluorescent Hand Lamps with Battery Pack

PART NO.	CHARGER	SWITCH	CORD Type	COIL CORD LENGTH	LUMENS	LAMP TYPE	REPLACEMENT LAMP
1083-3B	120VAC	•	23/2 PVC	6'	900	PL13/41	34-0137
1083-3B12	12VDC	•	23/2 PVC	6'	900	PL13/41	34-0137
1083-3BD	DUAL 120VAC AND 12V DC	•	23/2 PVC	6'	900	PL13/41	34-0137

#### Replacement Parts

PART NO.	DESCRIPTION
1083-3BL	SUPER-SAFEWAY® 13W FLUORESCENT HAND LAMP
1083-3BP	SUPER-SAFEWAY BATTERY PACK WITH 120VAC CHARGER
1083-3BP12	SUPER-SAFEWAY BATTERY PACK WITH 12VDC CHARGER
37-1200	BATTERY
37-7400	120VAC CHARGER
37-7410	12VDC CHARGER
40-1040B	CLEAR BUTYRATE TUBE SHIELD ASSEMBLY





MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.



# HAND LAMPS Industrial Duty, Fluorescent, 4W, 8W, 15W, 30W

For applications that requiremore diffuse lighting, single lamp fluorescent hand lamps are ready for the job. The use of T8 and T5 bulbs in a hand lamp design puts the power of a lighting fixture in the palm of your hand.





#### 30W Hand Lamp

- · on/off switch in handle
- ballast on cord
- lamp type F30T8
- 25' 18/3 SJTW cord

part no. 1013-3

# Fluorescent Hand Lamps

		FIXTURE	LAMP	CORD	BALLAST	NEMA	CORD		LAMP	REPLACEMENT
PART NO.	SWITCH	VOLTAGE	WATTAGE	TYPE	LOCATION	CONFIGURATION	LENGTH	LUMENS	TYPE	LAMP
1003-3	•	120V/60HZ	15W	18/3 SJTW	HANDLE	NEMA 5-15	25'	910	F15T8	34-1910
1005-3	•	120V/60HZ	15W	18/3 SJTW	HANDLE	NEMA 5-15	50'	910	F15T8	34-1910
1013-3	•	120V/60HZ	30W	18/3 SJTW	CORD	NEMA 5-15	25'	2000	F30/T8	34-2310
1015-3	•	120V/60HZ	30W	18/3 SJTW	CORD	NEMA 5-15	50'	2000	F30/T8	34-2310
1045		120V/60HZ	4W	18/3 SJTW	CORD	NEMA 5-15	18'	95	F4T5	34-6890
1049		120V/60HZ	8W	18/3 SJTW	CORD	NEMA 5-15	18'	300	F8T5	34-3630
1003-3-P	•	230V/50HZ	15W	18/3 SJTW	HANDLE	_	25'	910	F15T8	34-1910

#### Replacement Parts

PART NO.	DESCRIPTION
1003-3H0	100-3-3 WITHOUT CORD; FIXTURE ONLY
34-1910	15W T8 LAMP
34-2310	30W T8 LAMP
34-6890	4W T5 LAMP
34-3630	8W T5 LAMP
40-1120	SHIELD ASSEMBLY FOR 15W SUPER SAFEWAY® HAND LAMP
40-1140	SHIELD ASSEMBLY FOR 30W SUPER SAFEWAY HAND LAMP
70-1351	NYLON CAP HOOK FOR 15W AND 30W SUPER SAFEWAY HAND LAMPS
70-1352	NYLON HANDLE HOOK FOR 15W AND 30W SUPER SAFEWAY HAND LAMPS



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.



## HAND LAMPS Wet Location, Fluorescent, 13W, 26W, 40W

Watertite® fluorescent hand lamps in 13, 26 and 40 watt versions provide you with cool diffuse light and a wet location-rated enclosure. Woodhead construction including switches enclosed under a rubber gasket, protects against moisture and contaminants and lead to a NEMA rated hand lamp.



#### Fluorescent Hand Lamps All lamps have on/off switch and ballast in fixture.

PART NO.	FIXTURE VOLT.	LAMP WATTAGE	CORD Type	CORD LENGTH	LUMENS	LAMP TYPE	REPLACEMENT LAMP
1913SA	120V/60HZ	13W	16/3 SJT00W	25'	900	PL13/41	34-0390
1913SB	120V/60HZ	13W	16/3 SJT00W	50'	900	PL13/41	34-0390
1926SA	120V/60HZ	26W	16/3 SJT00W	25'	1800	PL-C 26/41/4P	34-0391
1926SB	120V/60HZ	26W	16/3 SJT00W	50'	1800	PL-C 26/41/4P	34-0391
1940SA	120V/60HZ	40W	16/3 SJT00W	25'	3150	PL-L 40/41	34-0120
1940SB	120V/60HZ	40W	16/3 SJT00W	50'	3150	PL-L 40/41	34-0120

#### Replacement Parts

PART NO.	DESCRIPTION
36-2080	SHIELD ASSY. FOR 40W WATERTITE® HAND LAMP
36-2081	SHIELD ASSY. FOR 13W AND 26W WATERTITE® HAND LAMP
1913SH0	1913S WITHOUT CORD; FIXTURE ONLY
1926SH0	1926S WITHOUT CORD; FIXTURE ONLY
1940SH0	1940S WITHOUT CORD; FIXTURE ONLY





MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.



# HAND LAMPS Commercial Duty, Incandescent, 100W

Heavy-duty construction and long operating life in industrial applications sets Woodhead incandescent hand lamps apart from all others. Features #8 gauge zinc-plated guards and phenolic plastic handles to protect bulbs and electrical components.





#### 100W Hand Lamp

- switch
- side outlet
- no cord

part no. 271US

# Incandescent Hand Lamps

PART NO.	SIDE OUTLET	SWITCH	FIXTURE Voltage	MAXIMUM LAMP WATTAGE	CORD Type	NEMA CONFIGURATION	CORD LENGTH
271US	•	•	240V MAX	100W	_		-
271USA163	•	•	240V MAX	100W	16/3 SJT0W	NEMA 5-15	25'
271USB163	•	•	240V MAX	100W	16/3 SJT0W	NEMA 5-15	50'
271S		•	240V MAX	100W	_	_	_
271SA163		•	240V MAX	100W	16/3 SJT0W	NEMA 5-15	25'
271SB163		•	240V MAX	100W	16/3 SJT0W	NEMA 5-15	50'
271U	•		240V MAX	100W	_	_	_
271UA163	•		240V MAX	100W	16/3 SJT0W	NEMA 5-15	25'
271UB163	•		240V MAX	100W	16/3 SJTOW	NEMA 5-15	50'

MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.



# HAND LAMPS Commercial Duty, Incandescent, 75W-300W •

#### **BUILD A HAND LAMP**

To customize your Woodhead hand lamp, first select a handle assembly from the chart below, then choose the best guard for your application.



#### STEP 1 Select a Handle

	SWITCH	OUTLET	SWITCH/OUTLET
		100	₹ <b>,</b>
			-
NO CORD	270-1	270-2	270-3
25 FT. CORD	42-4390	42-4380	42-4370
50 FT. CORD	43-4391	43-4381	43-4371

#### STEP 2 Select a Guard

GUARD TYPE	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED
ACCESSIBILITY	SCREW RELEASE	SCREW RELEASE	QUICK OPEN	QUICK OPEN	SCREW RELEASE	SCREW RELEASE
REFLECTOR		•		•		•
LAMP TYPE(S)	75-100W	75-100W	75-100W	75-100W	200-300W	200-300W
	A19, A21, A23	A19, A21, A23	A19, A21, A23	A19, A21, A23	A21, PS30, PS25	A21, PS30, PS25
ZINC PLATED STEEL	1152	1156	1162	1166	1153	1157
RUBBER COATED INSULATED	1152IG	1156IG	1162IG	_	1153IG	1157IG
GUARD TYPE	OPEN	OPEN	OPEN	OPEN	CLOSED NYLON	OPEN
ACCESSIBILITY	SCREW RELEASE	SCREW RELEASE	SCREW RELEASE	SCREW RELEASE	QUICK OPEN	SCREW RELEASE
REFLECTOR		•		•	•	
LAMP TYPE(S)	75-100W	75-100W	200-300W	200-300W	75-100W	PAR 38
	A19, A21, A23	A19, A21, A23	A21, PS30, PS25	A21, PS30, PS25	A19, A21, A23	
						A

1161

1161IG

1165

1165IG

1168

1181

#### Replacement Parts

RUBBER COATED INSULATED

ZINC PLATED STEEL

PART NO.	DESCRIPTION
179	SOCKETASSEMBLY FOR SAFEWAY® INCANDESCENT HAND LAMP
279	SWITCH FOR SAFEWAY INCANDESCENT HAND LAMP

1160

1160IG

1164

1164IG







# HAND LAMPS Commercial Duty, Incandescent, 150W

Safety Yellow® incandescent hand lamps provide maximum economy and worker safety for commercial duty environments. The lamps provide increased light output and grounded metal guards, an elastomer grip on the handle, easy-access guard for easy change-out of bulb and will withstand the toughest of work environments.



# Incandescent Hand Lamps Bulb not included.

PART NO.	SIDE OUTLET	SWITCH	MAXIMUM LAMP WATTAGE	CORD Type	PLUG Type	CORD LENGTH
WT6C-25	•	•	150W (A-21)	16/3 SJTW	NEMA 5-15	25'
WT6C-50	•	•	150W (A-21)	16/3 SJTW	NEMA 5-15	50'







# HAND LAMPS Commercial Duty, Fluorescent, 26W •

Safety Yellow® fluorescent hand lamps provide maximum economy and worker safety for commercial duty environments. The lamps feature 26 watts of fluorescent light output, an elastomer grip on the handle and value-driven performance while withstanding the toughest work environments.



# Fluorescent Hand Lamps

PART NO.	SWITCH	FIXTURE VOLTAGE	LAMP WATTAGE	CORD Type	CORD LENGTH	LUMENS	LAMP TYPE	REPLACEMENT LAMP
WT6F-25	•	120V/60HZ	26W	18/3 SJTW	25'	1800	PL-C 26/41/4P	34-0391
WT6F-50	•	120V/60HZ	26W	18/3 SJTW	50'	1800	PL-C 26/41/4P	34-0391





MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.



# HAND LAMPS General Duty, Incandescent, 100W

Pro-Yellow® incandescent hand lamps provide maximum economy and worker safety for general duty environments. The lamps provide increased light output, will withstand tough work environments, and features a rotatable guard for easy changeout of bulbs.



#### Incandescent Hand Lamps Bulb not included.

PART NO.	SWITCH	MAXIMUM LAMP WATTAGE	CORD Type	CORD Length
WT3C-20	•	100W (A21)	18/3 SJTW	20'

#### NEC® REFERENCE

NEC2002 - ARTICLE 527.4 (D) RECEPTACLES. ALL RECEPTACLES SHALL BE OF THE GROUNDING TYPE. UNLESS INSTALLED IN A CONTINUOUS GROUNDED METAL RACEWAY OR METAL COVERED CORD, ALL BRANCH CIRCUITS SHALL CONTAIN A SEPARATE EQUIPMENT GROUNDING CON-DUCTOR, AND ALL RECEPTACLES SHALL BE ELECTRONICALLY CONNECTED TO THE EQUIPMENT-GROUNDING CONDUCTORS. RECEPTACLES ON CONSTRUCTION SITES SHALL NOT BE INSTALLED ON BRANCH CIRCUITS THAT SUPPLY TEMPORARY LIGHTING. RECEPTACLES SHALL NOT BE CONNECTED TO THE SAME UNGROUNDED CONDUCTOR OF MULTI-WIRE CIRCUITS THAT SUPPLY TEMPORARY LIGHTING.

"THE INTENT OF THE BRANCH CIRCUIT PROVISIONS IN 527.4 (D) IS TO REQUIRE SEPARATE UNGROUNDED CONDUCTORS FOR LIGHTING AND RECEPTACLE LOADS SO THAT THE ACTIVATION OF A FUSE, CIRCUIT BREAKER, OR GROUND-FAULT CIRCUIT INTERRUPTER, DUE TO A FAILURE OR EQUIPMENT OVERLOAD, WILL NOT DE-ENERGIZE THE LIGHTING CIRCUIT." (NATIONAL ELECTRICAL CODE® HANDBOOK, NINTH EDITION)





MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

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# HAND LAMPS General Duty, Fluorescent, 13W •

Pro-Yellow® fluorescent hand lamps provide maximum economy and worker safety for general duty environments. The lamps provide 13 watts of fluorescent light output, an elastomer grip on the handle and value-driven performance while withstanding tough work environments.



# Fluorescent Hand Lamp

PART NO.	SWITCH	FIXTURE VOLTAGE	LAMP WATTAGE	CORD Type	CORD LENGTH	LUMENS	LAMP TYPE	REPLACEMENT LAMP
WT3F-20	•	120V/60HZ	13W	18/3 SJTW	20'	900	PL13/41	34-0390
WT3F-20NS <sup>1</sup>		120V/60HZ	13W	18/3 SJTW	20'	900	PL13/41	34-0390

PORTABLE LIGHTING EQUIPMENT USED IN COMMERCIAL GARAGES, REPAIR AND STORAGE SHALL BE OF AN UNSWITCHED TYPE AND SHALL NOT PROVIDE MEANS FOR PLUG-IN OF ATTACHMENT PLUG PER THE 2002 EDITION OF THE NATIONAL ELECTRICAL CODE®.



• MC

MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.



# ■ WIDE AREA LAMPS Hazardous Duty, Fluorescent, 80W, 128W

Task lighting in hazardous locations demands the utmost care. The Woodhead Tubelite® portable hazardous-duty wide area purge light actively prevents the entry of explosive vapors into the unit by continuously purging potentially dangerous gases from the fixture. This is accomplished by attaching a supply of air through the light, certifying it by CSA for Class I, Division I, Groups C&D (flammable gasses and vapors) and Class II, Division I, Groups F&G (ignitable dust).



#### **BEST SELLERS!**

#### 80W Wide Area Tube Light

- 6300 lumens
- 25' 16/3 S00W cord

part no. 2030PLX25

# Fluorescent Wide Area Tube Light

PART NO.	FIXTURE VOLTAGE	LAMP WATTAGE	CORD Type	CORD LENGTH	LUMENS	LAMP TYPE	REPLC. Lamp
2000PLX25	120V/60HZ	128W	16/3 S00W	25'	11400	F32/T8	34-3730
2000PLX50	120V/60HZ	128W	16/3 S00W	50'	11400	F32/T8	34-3730
2030PLX25	120V/60HZ	80W	16/3 S00W	25'	6300	PL-L 40/41	34-0120
2030PLX50	120V/60HZ	80W	16/3 S00W	50'	6300	PL-L 40/41	34-0120

#### Replacement Parts

PART NO.	DESCRIPTION
36-2005	SHIELD ASSEMBLY FOR 128W HAZTEX TUBE LIGHT
36-2006	SHIELD ASSEMBLY FOR 80W HAZTEX TUBE LIGHT



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.



# WIDE AREA LAMPS Industrial Duty, Fluorescent, 80W, 100W, 128W

Lighting requirements for wide area illumination are a bright spot for Woodhead Tubelite® fluorescent wide area lamps. 80, 100 and 128 watt formats are ideal for lighting in tunnels, passageways, large tanks and vessels or wherever wide area industrial lighting is needed.



#### **BEST SELLER!**

#### 80W Wide Area Tube Light

- 5-15 NEMA plug
- 6300 lumens
- 120V/60HZ
- 25' 16/3 SOOW cord

part no. 2031

# Fluorescent Wide Area Tube Light

	FEED THRU	FIXTURE	LAMP	CORD	NEMA	CORD	CORD LENGTH		LAMP	REPLC.
PART NO.	OUTLET	VOLTAGE	WATTAGE	TYPE	CONFIGURATION1	PRIM.	SEC.	LUMENS	TYPE	LAMP
2001	•	120V/60HZ	128W	16/3 S00W	NEMA 5-15	25'	6"	11400	F32/T8	34-3730
2002	•	120V/60HZ	128W	16/3 S00W	NEMA 5-15	4'	6"	11400	F32/T8	34-3730
2000		120V/60HZ	128W	16/3 S00W	NEMA 5-15	25'	_	11400	F32/T8	34-3730
2003		120V/60HZ	128W	16/3 S00W	NEMA 5-15	3'	_	11400	F32/T8	34-3730
2001-E	•	110V/50HZ	128W	16/3 S00W	_	25'	6"	11400	F32/T8	34-3730
2031	•	120V/60HZ	80W	16/3 S00W	NEMA 5-15	25'	6"	6300	PL-L 40/41	34-0120
2032	•	120V/60HZ	80W	16/3 S00W	NEMA 5-15	4'	6"	6300	PL-L 40/41	34-0120
2030		120V/60HZ	80W	16/3 S00W	NEMA 5-15	25'	_	6300	PL-L 40/41	34-0120
2031-P	•	230V/50HZ	80W	16/3 S00W	_	25'	6"	6300	PL-L 40/41	34-0120
2011	•	120V/60HZ	100W	16/3 S00W	NEMA 5-15	25'	6"	8320	F25/T8	34-3740
2012	•	120V/60HZ	100W	16/3 S00W	NEMA 5-15	4'	6"	8320	F25/T8	34-3740
2010		120V/60HZ	100W	16/3 S00W	NEMA 5-15	25'	_	8320	F25/T8	34-3740

¹ALL LAMPS FEATURE WATERTITE® PLUGS

#### Replacement Parts

PART NO.	DESCRIPTION
36-2001	SHIELD ASSEMBLY FOR 128W TUBELITE
36-2002	SHIELD ASSEMBLY FOR 100W TUBELITE
36-2004	SHIELD ASSEMBLY FOR 80W TUBELITE
42-1062	TEAR OFF SHIELD COVER FOR SUPER-SAFEWAY TUBELITE



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.



#### **TUBELITE® WORKCENTER**

The TubeLite WorkCenter provides a single source for area lighting, electrical power and pressurized air distribution to increase worker productivity. Each work center combines our TubeLite stand, 3 duplex receptacles and 4 air supply hook-ups with feed-thru electrical and air outlets to allow "daisy chaining" the centers together.





TubeLite Wire Light Stand

• rubber feet

part no. 2370

# TubeLite WorkCenter TubeLites sold separately (see p. 26-27).

PART NO.	FIXTURE Voltage	RUBBER FEET	NO. OF WHEELS	CORD Phase	NEMA TYPE	CORD CONFIGURATION	LENGTH
2370	_	•	_	_	_	_	_
2300	120VAC	•	_	SINGLE	12/3 S00W	SUPER-SAFEWAY® NEMA 5-20	20'
2316	120VAC		2	SINGLE	12/3 S00W	SUPER-SAFEWAY NEMA 5-20	20'
2320	120VAC		4	SINGLE	12/3 S00W	SUPER-SAFEWAY NEMA 5-20	20'
2304F-30TZ <sup>2</sup>	120VAC	•	_	3	10/5 SOW	SAFEWAY® NEMA L21-30	20'
2306F-30TZ1	120VAC	•	_	3	10/5 SOW	SAFEWAY NEMA L21-30	20'
2316F-30TZ1	120VAC		2	3	10/5 SOW	SAFEWAY NEMA L21-30	20'
2320F-20TZ	120VAC		4	3	10/5 SOW	SAFEWAY NEMA L21-20	20'
2326F-30TZ1	120VAC		4	3	10/5 SOW	SAFEWAY NEMA L21-30	20'

<sup>1</sup> CIRCUIT BREAKER PROTECTION





MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

<sup>&</sup>lt;sup>2</sup> CIRCUIT FUSE PROTECTION



# WIDE AREA LAMPS Wet Location, HID Lighting, 70W, 100W •

The need for temporary wide area lighting can arise in virtually any application. That is why Woodhead offers HID lighting in the form of the 100 watt high-pressure sodium and the 70 watt metal halide lights. These lights feature heavy-duty mounting magnets for easy installation and feed-through connector options for "daisy-chaining" lights together in wide area applications.

#### **BEST SELLERS!**

#### High Pressure Sodium Light

- 5-15 NEMA plug
- heavy duty mounting magnet
- 100W

#### part no. 8565





#### High Pressure Sodium Light

• same as 8565, with feed thru outlet

part no. 8565F

# **HID Lighting**

	FEED THRU		FIXTURE	LAMP	CORD	NEMA	CORD L	.ENGTH	LAMP
PART NO.	OUTLET	LAMP TYPE	VOLTAGE	WATTAGE	TYPE	CONFIG.	PRIM.	SEC.	TYPE
8565		HIGH PRESSURE SODIUM	120V/60HZ	100W	16/3 SJT0W	NEMA 5-15	10'		_
8565F	•	HIGH PRESSURE SODIUM	120V/60HZ	100W	16/3 SJT0W	NEMA 5-15	10'	1'	_
8565-MH		METAL HALIDE	120V/60HZ	70W	16/3 SJT0W	NEMA 5-15	10'	_	MH70
8565F-MH	•	METAL HALIDE	120V/60HZ	70W	16/3 SJT0W	NEMA 5-15	10'	1'	MH70

D.



# WIDE AREA LAMPS Wet Location, Incandescent Floodlight, 500W

Woodhead offers an extensive line of wet location lighting solutions that meet and exceed the OSHA requirements for wet location use. U.L. listed at NEMA 4X for damp locations, these enclosed and gasketed Watertite® wide area lights are the tough industrial tools you can rely on for the desired level of illumination and diffuse light patterns needed in wet work areas.



# Incandescent Floodlights Lamps not included.

PART NO.	FIXTURE VOLTAGE	LAMP Wattage	CORD Type	CORD Length	LAMP Type
8570P-56A163	120VAC	500	16/3 S00W	25'	PAR56
8570P-56B163	120VAC	500	16/3 S00W	50'	PAR56
8570P-56D163	120VAC	500	16/3 S00W	100'	PAR56
8570P-56	120VAC	500	_	_	PAR56



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.



# WIDE AREA LAMPS Industrial Duty, Quartz Halogen Floodlights, 100W, 500W, 1000W

The need for temporary wide area lighting can arise in virtually any application, which is why Woodhead offers the dual 500 watt portable floodlight stanchion and the 500 and 1000 watt halogen floodlights. These lights feature heavy-duty steel guards and steel frames that protect the lamps and support the fixture for rigorous use.

#### **BEST SELLERS!**

#### Halogen Floodlight

- 5-15 NEMA plug
- 500W lamp
- 25' 16/3 SOOW cord

part no. 8506 (shown right)

#### Halogen Floodlight

· same as above, except with magnet mount

part no. 8506M





#### Halogen Floodlight Stanchion

- 5-20 NEMA plug
- · switch
- 1000W (two 500W fixtures)
- · convenience outlet
- 1.5' 12/3 SOOW cord

part no. SBG2500 (shown above)

# Quartz Halogen Floodlights

			_					
PART NO.	GFCI OUTLET BOX	SWITCH	MOUNT	FIXTURE Voltage	LAMP WATTAGE			CORD LENGTH
8506			STAND	120VAC	500W	16/3 S00W	SUPER-SAFEWAY® NEMA 5-15	25'
8506M			MAGNET	120VAC	500W	16/3 S00W	SUPER-SAFEWAY NEMA 5-15	25'
8500¹			STAND	12VAC/DC	100W	16/3 S00W	SUPER-SAFEWAY NON-NEMA	25'
8500M1			MAGNET	12VAC/DC	100W	16/3 S00W	SUPER-SAFEWAY NON-NEMA	25'
8511			STAND	120VAC	1000W	16/3 S00W	SUPER-SAFEWAY NEMA 5-15	25'
SBS2500		•	STANCHION	120VAC	500W (2)	12/3 S00W	WATERTITE® NEMA 5-20	1.5'
SBG2500	•	•	STANCHION	120VAC	500W (2)	12/3 S00W	WATERTITE® NEMA 5-20	1.5'

<sup>1</sup> FOR USE WITH LOW VOLTAGE WORKSTATION ON PAGE 13

#### Replacement Parts

•	
PART NO.	DESCRIPTION
200	MAGNETIC MOUNTING ASSEMBLY (2 MAGNETS)
34-0040	LAMP FOR SUPER-SAFEWAY 1000W QUARTZ HALOGEN
34-0190	LAMP FOR SUPER-SAFEWAY 100W QUARTZ HALOGEN
34-0230	I AMP FOR SUPER-SAFEWAY 500W OLIARTZ HALOGEN

PART NO.	DESCRIPTION
8505	500W QUARTZ HALOGEN FIXTURE WITHOUT GUARD
8507	METAL GUARD FOR SUPER-SAFEWAY 500W+100W QUARTZ HALOGEN
8510	1000W QUARTZ HALOGEN FIXTURE WITHOUT GUARD
8512	METAL GUARD FOR SUPER-SAFEWAY 1000W QUARTZ HALOGEN





MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.



# WIDE AREA LAMPS Industrial Duty, Fluorescent, 30W, 50W, 64W, 80W, 160W

Lighting requirements for wide area illumination are a bright spot for Woodhead Super-Safeway® fluorescent twin lamps. Both T-8 and PL formats are ideal for lighting in tunnels, passageways, large tanks and vessels or wherever wide area industrial lighting is needed.



#### **BEST SELLERS!**

#### Fluorescent Feed Thru Lamp

- 25' primary/6" secondary cord length
- 5700 lumens
- Two 32W T8 lamps

part no. 1351 (shown)

#### Fluorescent Feed Thru Lamp

- 50' primary/6" secondary cord length
- 4160 lumens
- Two 25W T8 lamps

part no. 1336

# Fluorescent Wide Area Twin Lamps All lamp types include a 16/3 SJOW cord.

	FEED THRU	FIXTURE	FIXTURE	CORD I	LENGTH		LAMP	REPL.	
PART NO.	OUTLET	VOLTAGE	WATTAGE	PRIM.	SEC.	LUMENS	TYPE	LAMP	
1351	•	120V/60HZ	64W	25'	6"	5700	F32/T8	34-3730	
1352	•	120V/60HZ	64W	4'	6"	5700	F32/T8	34-3730	
1350		120V/60HZ	64W	25'	_	5700	F32/T8	34-3730	
1351-E'	•	110V/50HZ	64W	25'	6"	5700	F32/T8	34-3730	
1352-E'	•	110V/50HZ	64W	4'	6"	5700	F32/T8	34-3730	
1336	•	120V/60HZ	50W	25'	6"	4160	F25/T8	34-3740	
1337	•	120V/60HZ	50W	4'	6"	4160	F25/T8	34-3740	
1326		120V/60HZ	50W	25'	_	4160	F25/T8	34-3740	
1336-E1	•	110V/50HZ	50W	25'	6"	4160	F25/T8	34-3740	
1336-P1	•	230V/50HZ	50W	25'	6"	4160	F25/T8	34-3740	
1335	•	120V/60HZ	30W	4'	6"	1820	F15T8	34-1910	
1334	•	120V/60HZ	30W	25'	6"	1820	F15T8	34-1910	
1324		120V/60HZ	30W	25'	_	1820	F15T8	34-1910	
1334-E <sup>1</sup>	•	110V/50HZ	30W	25'	6"	1820	F15T8	34-1910	
1324-E <sup>1</sup>		110V/50HZ	30W	25'	_	1820	F15T8	34-1910	
1324-P1		230V/50HZ	30W	25'	_	1820	F15T8	34-1910	
1051-PL	•	120V/60HZ	80W	25'	6"	6300	PL-L 40/41	34-0120	
1052-PL	•	120V/60HZ	80W	4'	6"	6300	PL-L 40/41	34-0120	
1050-PL		120V/60HZ	80W	25'	_	6300	PL-L 40/41	34-0120	
1061-PL	•	120V/60HZ	160W	25'	6"	12600	PL-L 40/41	34-0120	
1062-PL	•	120V/60HZ	160W	4'	6"	12600	PL-L 40/41	34-0120	
1060-PL		120V/60HZ	160W	25'	_	12600	PL-L 40/41	34-0120	

1 UNIT SHIPPED WITHOUT PLUG



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.



# WIDE AREA LAMPS Industrial Duty, Low Voltage, Fluorescent, 60W, 64W, 80W

Lighting requirements for wide area illumination are a bright spot for Woodhead Super-Safeway® fluorescent twin lamps. Both T-8 and PL formats are ideal for lighting in tunnels, passageways, large tanks and vessels or wherever wide area industrial lighting is needed.



# Fluorescent Wide Area Twin Lamp<sup>1</sup>

•										
	FEED THRU	FIXTURE	FIXTURE	CORD	NEMA	CORD LENGTH			LAMP	REPL.
PART NO.	OUTLET	VOLTAGE	WATTAGE	TYPE	CONFIGURATION <sup>1</sup>	PRIM.	SEC.	LUMENS	TYPE	LAMP
1052-PL12	•	12VAC/DC	80W	12/3 S00W	NON-NEMA	4'	6"	6300	PL-L 40/41	34-0120
1052-12	•	12VAC/DC	64W	12/3 S00W	NON-NEMA	4'	6"	5300	F32/T8	34-3730
1051-PL12	•	12VAC/DC	80W	12/3 S00W	NON-NEMA	25'	6"	6300	PL-L 40/41	34-0120
1051-12	•	12VAC/DC	64W	12/3 S00W	NON-NEMA	25'	6"	5300	F32/T8	34-3730
1050-PL12		12VAC/DC	80W	12/3 S00W	NON-NEMA	25'	_	6300	PL-L 40/41	34-0120
1050-12		12VAC/DC	64W	14/3 SJ00W	NON-NEMA	25'	_	5300	F32/T8	34-3730
1026-12		12V/60HZ	50W	12/3 S00W	NON-NEMA	25'	l —	4450	F15/T8	34-3740

<sup>1</sup> FOR USE WITH LOW VOLTAGE WORKSTATION ON PAGE 13

#### Replacement Parts

•	
PART NO.	DESCRIPTION
40-1485	VELCRO® STRAP AND HOOK ASSEMBLY TWIN TUBE
42-1060	TEAR OFF SHIELD COVER FOR TWIN LAMPS
70-3601	SHIELD ASSEMBLY FOR 160W TWIN TUBE

PART NO.	DESCRIPTION
70-3602	SHIELD ASSEMBLY FOR 50W TWIN TUBE
70-3603	SHIELD ASSEMBLY FOR 30W TWIN TUBE
70-3607	SHIELD ASSEMBLY FOR 80W TWIN TUBE





MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.



# TEMPORARY LIGHTING Hazardous Duty, Incandescent & Fluorescent, 100W, 26W

Woodhead offers the only portable, hazardousduty stringlight that is third party (CSA) certified as a complete assembly for use in hazardous areas. Assembly includes 25 ft. lead, 600V rated SOW cord, molded "T" drops spaced at 10 ft. intervals, and various Woodhead Haz-Duty hand lamps.



#### Fluorescent Stringlight

- 5-15 NEMA plug
- 65' 12/3 S00W cord
- 18" 14/3 S00W drops
- Class I, Division I, Groups C & D
- Class II, Division I, Groups F & G
- Class I, Zone 1, Group IIB

part no. 342510A

#### **BEST SELLERS!**

#### Incandescent Stringlight

- 5-15 NEMA plug
- 45' 12/3 S00W cord
- 18" 14/3 S00W drops
- Class I, Division I, Groups C & D
- Class II, Division I, Groups F & G



# Incandescent Stringlights

	MAXIMUM	CORD TYPE		IUM CORD TYPE NEMA		CORD	LAMP	NUMBER OF
PART NO.	WATTAGE	PRIM.	DROPS	CONFIG.	LENGTH	TYPE	DROPS	
340310A	100W	12/3 S00W	14/3 S00W	NEMA 5-15	45'	A21	3	
340510A	100W	12/3 S00W	14/3 S00W	NEMA 5-15	65'	A21	5	

# Fluorescent Stringlights

	FIXTURE LAMP		LAMP CORD TYPE		NEMA	CORD	LAMP	REPL.	NUMBER OF
PART NO.	VOLTAGE	WATTAGE	PRIM.	DROPS	CONFIG.	LENGTH	TYPE	LAMP	DROPS
342510A	120V/60HZ	26W	12/3 S00W	14/3 S00W	NEMA 5-15	65'	PL-C 26/41/4P	34-0391	5



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

CALL US TODAY! 800-225-7724 34 WOODHEAD



# **TEMPORARY LIGHTING** Wet Location, Incandescent & Fluorescent, 100W, 26W

Woodhead offers the industry's only portable stringlight assembly that is CSA certified as a complete assembly for use in wet-location areas. Assembly includes 600V rated SOW cord, molded "T" drops, and various Woodhead wet-location hand lamps.



### Fluorescent Stringlight

- 26W
- 115' cord

part no. 387010A

### **BEST SELLERS!**



# Incandescent Stringlights

MAXIMUM		CORE	TYPE	CORD	LAMP	NUMBER OF
PART NO.	FIXTURE WATTAGE	PRIM.	DROPS	LENGTH	TYPE	DROPS
380010A	100W	12/3 S00W	14/3 S00W	115'	A21	10
380310A	100W	12/3 S00W	14/3 S00W	45'	A21	3
380510A	100W	12/3 S00W	14/3 S00W	65'	A21	5

# Fluorescent Stringlights

PART NO.	FIXTURE VOLTAGE	LAMP WATTAGE	CORD Type	CORD LENGTH	LAMP TYPE	REPLAC. LAMP	NUMBER OF DROPS
387010A	120V/60HZ	26W	12/3 S00W	115'	PL-C 26/41/4P	34-0391	10
387510A	120V/60HZ	26W	12/3 S00W	65'	PL-C 26/41/4P	34-0391	5





# PORTABLE LIGHTING



# ◆ TEMPORARY LIGHTING Industrial Duty, Incandescent, 100W, 200W

Ideal for lighting large areas, incandescent stringlights are constructed for rugged, reliable service in a wide range of industrial settings. Easy-to-replace parts assure quick, convenient serviceability. Heavy-duty #10 gauge zinc-plated guards protect bulbs and electrical components. Offered in 10-, 12-, and 14-gauge cord to meet electrical current.

#### **BEST SELLERS!**

#### Rubber Molded Stringlight

- 100' cord
- 200W max. lamp
- 1¾" neck diameter





### Assembled Stringlight

- 362 guard
- 100' cord
- 200W max. lamp

part no. 310123

# Incandescent Stringlights

PART NO.	DESCRIPTION	MAX. LAMP WATTAGE	GUARD INCLUDED	CORD Type	NEMA CONFIGURATION	CORD Length
323123	RUBBER MOLDED	200W	_	12/3 S00W	NEMA 5-15	100'
323523	RUBBER MOLDED	200W	_	12/3 S00W	NEMA 5-15	50'
323126	RUBBER MOLDED	200W	377	12/3 S00W	NEMA 5-15	100'
323526	RUBBER MOLDED	200W	377	12/3 S00W	NEMA 5-15	50'
323124	RUBBER MOLDED	200W	_	12/3 S00W	NEMA 5-20	100'
323524	RUBBER MOLDED	200W	_	12/3 S00W	NEMA 5-20	50'
323125	RUBBER MOLDED	200W	377	12/3 S00W	NEMA 5-20	100'
323525	RUBBER MOLDED	200W	377	12/3 S00W	NEMA 5-20	50'
323133	RUBBER MOLDED	200W	_	12/3 S00W	NEMA L5-15	100'
323533	RUBBER MOLDED	200W	_	12/3 S00W	NEMA L5-15	50'
323134	RUBBER MOLDED	200W	_	12/3 S00W	NEMA L5-20	100'
323534	RUBBER MOLDED	200W	_	12/3 S00W	NEMA L5-20	50'
323135	RUBBER MOLDED	200W	377	12/3 S00W	NEMA L5-20	100'
323535	RUBBER MOLDED	200W	377	12/3 S00W	NEMA L5-20	50'
320122	RUBBER MOLDED	200W	_	12/2 S00W	NEMA 1-15	100'
320522	RUBBER MOLDED	200W	_	12/2 S00W	NEMA 1-15	50'
3216371	RUBBER MOLDED	100W	_	10/3 S00W	30A NON-NEMA LOCKING	50'
310123	ASSEMBLED	200W	362	12/3 S00W	NEMA 5-15	100'
310143	ASSEMBLED	200W	362	14/3 S00W	NEMA 5-15	100'
310223	ASSEMBLED	200W	362	12/3 S00W	NEMA L5-15	100'
310243	ASSEMBLED	200W	362	14/3 S00W	NEMA L5-15	100'
310323	ASSEMBLED	200W	362	12/3 S00W	NEMA 5-20	100'
310423	ASSEMBLED	200W	362	12/3 S00W	NEMA L5-20	100'

 $<sup>^{\</sup>scriptscriptstyle 1}$  For use with low voltage workstation on page 13



# **GUARDS** Industrial Duty, Incandescent, Temporary Lighting — Molded •

Complete guard family for use with Super-Safeway® Molded Stringlights which feature 1¾" neck diameters.



# Stringlight Guards

PART NO.	LAMP DESCRIPTION	VINYL COATED	TYPE
370	METAL WIRE – BOTTOM COVER		_
372	METAL WIRE		A23
372V	METAL WIRE	•	A23
377	METAL WIRE		A19, A21
377V	METAL WIRE	•	A19, A21
378	METAL WIRE		PS25, PS30
378V	METAL WIRE	•	PS25, PS30
381R	CLEAR POLYCARBONATE		A19, A21
383	CLEAR POLYCARBONATE WITH BOTTOM COVER		A19, A21
385	CLEAR POLYCARBONATE – BOTTOM COVER		_

### Lamp Holders For assembled molded stringlights.

PART NO.	DESCRIPTION	MAX. LAMP WATTAGE	GUARD INCLUDED
300	LAMP HOLDER WITH SCREW CLAMP CORD GRIP	200W	_
301	T-SPICE	_	_
302U	LAMP HOLDER WITH THREE WIRE NEMA 5-15 RECEPTACLE	_	_
300W	LAMP HOLDER WITH WEATHER RESISTANT CORD GRIP	200W	_
310W	LAMP HOLDER WITH WEATHER RESISTANT CORD GRIP	200W	362
310	LAMP HOLDER WITH SCREW CLAMP CORD GRIP	200W	362

### Replacement Parts

PART NO.	DESCRIPTION
305	SUPER-SAFEWAY LAMP HOLDER COVER (300 & 310)
306	SUPER-SAFEWAY HOUSING (300 & 310)
355	S H00K

MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

www.woodhead.com WOODHEAD 37

# PORTABLE LIGHTING



# → TEMPORARY LIGHTING Commercial Duty, Incandescent, 200W

Safety Yellow® stringlights give you unbeatable value for contractor duty performance that stands up to hard usage. Woodhead Safety Yellow® stringlights provide you with job-tough reliability and NEC and OSHA compliance at an affordable price.



# Incandescent Stringlights For guards, see page 37.

PART NO.	MAXIMUM WATTAGE	CORD TYPE	CORD LENGTH	NUMBER OF SOCKETS	THIRD PARTY APPROVAL	GUARDS
5000	200W	14/2 SJTW	100'	10	UL	•
5001	200W	14/2 SJTW	50'	5	UL	•
5002	200W	12/3 SJTW	100'	10	UL	
5003	200W	12/3 SJTW	50'	5	UL	
5006	200W	12/2 STW	100'	10	CSA	•
5007	200W	12/2 STW	50'	5	CSA	•
5008	200W	12/3 STW	100'	10	CSA	•
5009	200W	12/3 STW	50'	5	CSA	•



# Molded Stringlight without Guards

- 100' cord length
- 10 sockets
- 1½" neck diameter

part no. 5002



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

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# TEMPORARY LIGHTING General Duty, Incandescent, 150W •

Pro-Yellow® stringlights give you unbeatable value for standard duty performance that stands up to hard usage. Woodhead Pro-Yellow® stringlights provide you with job-tough reliability and NEC and OSHA compliance at an affordable price.



# Stringlights

PART NO.	DESCRIPTION	MAX. LAMP WATTAGE	CORD Type	CORD LENGTH	NUMBER OF SOCKETS
202SRL	PRO-YELLOW® – UL LISTED	150W	14/2	100'	10
302SRL	PRO-YELLOW® – UL LISTED	150W	12/2 TC	100'	10
302SRLCA	PRO-YELLOW® – CSA APPROVED	150W	12/2 TC	100'	10
STR100	LITE-A-SITE® OPEN CONDUCTOR	100W	14 GA. THHN	100'	10

#### Accessories

PART NO.	DESCRIPTION
STR101	PRO-YELLOW® YELLOW POLYCARBONATE GUARD
STR102	GUY WIRE ASSEMBLY
STR104	LITE-A-SITE® OPEN CONDUCTOR SOCKET ASSEMBLY





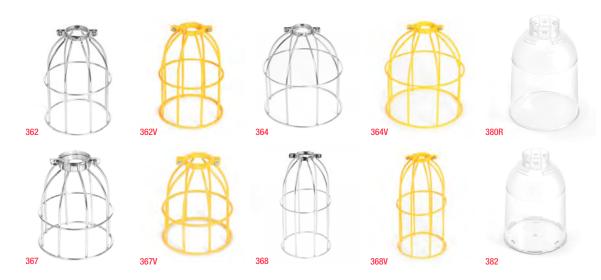
MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

www.woodhead.com WOODHEAD 39

# PORTABLE LIGHTING

# GUARDS Commercial Duty, Incandescent, Temporary Lighting — 5000 Series and Assembled

Complete guard family for use with 5000 Series Safety Yellow® Stringlights or assembled Stringlight sockets (see page 38) that feature 1½" diameter necks.



# Safety Yellow® Stringlight Guards

PART NO.	DESCRIPTION	VINYL COATED	LAMP TYPE
362	METAL WIRE GUARD		A23
362V	METAL WIRE GUARD	•	A23
364	METAL WIRE GUARD		PAR38, R40
364V	METAL WIRE GUARD	•	PAR38, R40
367	METAL WIRE GUARD		A19, A21
367V	METAL WIRE GUARD	•	A19, A21
368	METAL WIRE GUARD		PS25, PS30
368V	METAL WIRE GUARD	•	PS25, PS30
380R	CLEAR POLYCARBONATE GUARD		A19, A21
382	CLEAR POLYCARBONATE GUARD WITH BOTTOM COVER		A19, A21





# **SPOTLIGHTS AND FLOODLIGHTS** Wet Location, Low Voltage, 30W, 35W, 60W, 100W

Woodhead wet-location lights and associated devices are exceptionally durable, easy to handle and service, and capable of long, continuous operation in some of industry's most demanding environments. Spotlights and floodlights for both 120V and 12V usage shows Woodhead's commitment to the right products for the right environments, whatever they may be.



### **BEST SELLERS!**

#### 30W Spotlight

- 5-15 NEMA plug
- on/off switch in handle
- 50,000 candle power
- lamp type PAR 36
- · lamp type i Alt 30
- 6° x 5° beam spread
- 50' 14/2 SOOW secondary cord

part no. 1610S (shown)

### 30W Spotlight

• same as above, but without switch

part no. 1610

### Spotlights All lamp types are PAR 36.

		FIXTURE V	OLTAGE	LAMP	CANDLE	BEAM	CORD	TYPE	NEMA	REPL.	TRANSFORMER
PART NO.	SWITCH	PRIM.	SEC.	WATTAGE	POWER	SPREAD	PRIM. (10')	SEC. (50')	CONFIG.	LAMP	TYPE
1610S	•	120V/60HZ	12VAC	30W	50000	6° X 5°	16/3 S00W	14/2 S00W	NEMA 5-15	34-2120	IN-LINE
1610		120V/60HZ	12VAC	30W	50000	6° X 5°	16/3 S00W	14/2 S00W	NEMA 5-15	34-2120	IN-LINE
1606		12VAC/DC	_	30W	50000	6° X 5°	_	16/2 S00W	_	34-2120	BATT. CLIPS
1647-121		12VAC/DC	_	30W	50000	6° X 5°	_	14/2 S00W	NON-NEMA	34-2120	WORKSTATION
1684S	•	220V/60HZ	12VAC	30W	50000	6° X 5°	16/3 S00W	14/2 S00W	NEMA 6-15	34-2120	IN-LINE
1684		220V/60HZ	12VAC	30W	50000	6° X 5°	16/3 S00W	14/2 S00W	NEMA 6-15	34-2120	IN-LINE
1691-12BS	•	120V/60HZ	12VAC	100W	60000	14° X 6°	16/3 S00W	14/2 S00W	NEMA 5-15	34-0210	IN-LINE
1691-121		12VAC/DC	_	100W	60000	14° X 6°	_	14/2 S00W	NON-NEMA	34-0210	WORKSTATION
1691-12B		120V/60HZ	12VAC	100W	60000	14° X 6°	16/3 S00W	14/2 S00W	NEMA 5-15	34-0210	IN-LINE

 $<sup>^{\</sup>mbox{\tiny 1}}$  For USE with Low voltage workstation on page 13

### Floodlights All lamp types are PAR 36.

		FIXTURE V	OLTAGE	LAMP	BEAM	CORD TYPE		NEMA	REPL.	TRANSFORMER
PART NO.	SWITCH	PRIM.	SEC.	WATTAGE	SPREAD	PRIM. (10')	SEC. (50')	CONFIG.	LAMP	TYPE
1612S	•	120V/60HZ	12VAC	35W	110°	16/3 S00W	14/2 S00W	NEMA 5-15	34-2840	IN-LINE
1612		120V/60HZ	12VAC	35W	110°	16/3 S00W	14/2 S00W	NEMA 5-15	34-2840	IN-LINE
1639-121		12VAC/DC	_	35W	110°	_	14/2 S00W	NON-NEMA	34-2840	WORKSTATION
1682S	•	220V/60HZ	12VAC	35W	110°	16/3 S00W	14/2 S00W	NEMA 6-15	34-2840	IN-LINE
1682		220V/60HZ	12VAC	35W	110°	16/3 S00W	14/2 S00W	NEMA 6-15	34-2840	IN-LINE
1692-12BS	•	120V/60HZ	12VAC	60W	110°	16/3 S00W	14/2 S00W	NEMA 5-15	34-0380	IN-LINE
1692-12B		120V/60HZ	12VAC	60W	110°	16/3 S00W	14/2 S00W	NEMA 5-15	34-0380	IN-LINE
1638-121		12VAC/DC	_	60W	110°	_	14/2 S00W	NON-NEMA	34-0380	WORKSTATION

<sup>1</sup> FOR USE WITH LOW VOLTAGE WORKSTATION ON PAGE 13

#### Replacement Parts and Lamps

•	•
PART NO.	DESCRIPTION
00-4140	IN-LINE TRANSFORMER COVER FOR LOW VOLTAGE SPOTLIGHTS & FLOODLIGHTS – RIGHT HALF
00-4180	IN-LINE TRANSFORMER COVER FOR LOW VOLTAGE SPOTLIGHTS & FLOODLIGHTS – LEFT HALF
1653-12	IN-LINE TRANSFORMER FOR 35W FLOODLIGHT (120V-12V)
1660	HANDLEASSEMBLY WITH GUARD FOR SPOTLIGHT & FLOODLIGHT
1660S	HANDLE ASSEMBLY WITH GUARD FOR SPOTLIGHT & FLOODLIGHT WITH SWITCH
1668	GUARD FOR SPOTLIGHT & FLOODLIGHT

PART NO.	DESCRIPTION
1675-12	IN-LINE TRANSFORMER FOR 60W FLOODLIGHT (120V-12V)
1676	IN-LINE TRANSFORMER COVER FOR 60W FLOODLIGHT & 100W SPOTLIGHT
1677	IN-LINETRANSFORMER REPLACEMENT HANDLE
34-0210	100W 12V PAR36 SPOT LAMP (LOW VOLT)
34-0380	60W 12V PAR36 FLOOD LAMP (LOW VOLT)
34-2120	30W 12V PAR36 SPOT LAMP (LOW VOLT)
34-2840	35W 12V PAR36 FLOOD LAMP (LOW VOLT)

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### MACHINE LIGHTS Incandescent & Fluorescent, 13W, 20W, 26W, 27W, 40W, 60W

Machine tool lights available in three styles (fluorescent, halogen spotlight and incandescent), provide bright, safe illumination in harsh and abusive environments — both fixed and temporary. Realizing that every application is different, Woodhead offers various mounting options. Choose from flexible neck, screw mounting or magnet mounting to fit your needs.



### Machine Lights

PART NO.	DESC.	MOUNT TYPE	FIXTURE VOLTAGE	LAMP WATT.	CORD Type	NEMA CONFIGURATION	CORD LENGTH	LAMP TYPE	REPLACEMENT LAMP
1083-3MM	FLUOR.	MAGNET	120V/60HZ	13W	18/3 SJT00W	SUPER-SAFEWAY® NEMA 5-15	15'	PL13/41	34-0390
1083-3M	FLUOR.	SCREW	120V/60HZ	13W	18/3 SJT00W	SUPER-SAFEWAY NEMA 5-15	15'	PL13/41	34-0390
1083-3MM-24	FLUOR.	MAGNET	24 DC	13W	18/3 SJT00W	_	15'	PL13/41	34-0390
1083-3M-P	FLUOR.	SCREW	230V/50HZ	13W	18/3 SJT00W	_	25'	PL13/41	34-0390
1093-3MM	FLUOR.	MAGNET	120V/60HZ	27W	18/3 SJT00W	SUPER-SAFEWAY NEMA 5-15	15'	PL-L 27/41	34-0130
1093-3M	FLUOR.	SCREW	120V/60HZ	27W	18/3 SJT00W	SUPER-SAFEWAY NEMA 5-15	15'	PL-L 27/41	34-0130
1097-3MM	FLUOR.	MAGNET	120V/60HZ	40W	18/3 SJT00W	SUPER-SAFEWAY NEMA 5-15	15'	PL-L 40/41	34-0120
1097-3M	FLUOR.	SCREW	120V/60HZ	40W	18/3 SJT00W	SUPER-SAFEWAY NEMA 5-15	15'	PL-L 40/41	34-0120
8530M1	INCAND.	MAGNET	120VAC	60W	18/2 SJTOW	NEMA 1-15	10'	A19	l <b>—</b>
8530P1	INCAND.	SCREW	120VAC	60W	18/2 SJTOW	NEMA 1-15	10'	A19	_
8540M1	HALGN.	MAGNET	120VAC	20W	18/3 SJT0	NEMA 5-15	10'	_	_
8540P1	HALGN.	SCREW	120VAC	20W	18/3 SJT0	NEMA 5-15	10'	_	_
8550M1	FLUOR.	MAGNET	120VAC	13W	18/3 SJT0	NEMA 5-15	10'	PL13/41	34-0390
8550P1	FLUOR.	SCREW	120VAC	13W	18/3 SJT0	NEMA 5-15	10'	PL13/41	34-0390
2113S	FLUOR.	SCREW	120V/60HZ	13W	16/3 SJT00W	WATERTITE® NEMA 5-15	15'	PL13/41	34-0390
2113MS	FLUOR.	MAGNET	120V/60HZ	13W	16/3 SJT00W	WATERTITE® NEMA 5-15	15'	PL13/41	34-0390
2113GS <sup>2</sup>	FLUOR.	SCREW	120V/60HZ	13W	16/3 SJT00W	WATERTITE® NEMA 5-15	15'	PL13/41	34-0390
2126S	FLUOR.	SCREW	120V/60HZ	26W	16/3 SJT00W	WATERTITE® NEMA 5-15	15'	PL-C 26/41/4P	34-0391
2126MS	FLUOR.	MAGNET	120V/60HZ	26W	16/3 SJT00W	WATERTITE® NEMA 5-15	15'	PL-C 26/41/4P	34-0391
2126GS <sup>2</sup>	FLUOR.	SCREW	120V/60HZ	26W	16/3 SJT00W	WATERTITE® NEMA 5-15	15'	PL-C 26/41/4P	34-0391

<sup>&</sup>lt;sup>1</sup> FLEXIBLE NECK <sup>2</sup> GLASS LAMP SHIELD

# Replacement Parts

PART NO.	DESCRIPTION
36-2083	GLASS SHIELD ASSEMBLY FOR 2113 AND 2123 SERIES MACHINE LIGHTS
40-1043	SHIELD ASSEMBLY FOR 1083-3M13W FLUORESCENT MACHINES LIGHTS

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FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

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### LIGHTING AND ACCESSORIES •







# **Lighting Accessories**

PART NO.	DESCRIPTION	FIXTURE VOLTAGE	LAMP WATTAGE	CORD Type	NEMA CONFIG.	CORD LENGTH	LAMP TYPE
393E123	SUPER-SAFEWAY® 3 WIRE MOLDED T-SPLICE WITH THREE 1' LEGS	_	_	12/3 S00W	_	_	_
393E143	SUPER-SAFEWAY 3 WIRE MOLDED T-SPLICE WITH THREE 1' LEGS	_	_	14/3 S00W	_	_	_
611	SAFEWAY INCANDESCENT SERVICE LIGHT	120V/60HZ	7	18/2 SPT-1	NEMA 1-15	10'	7C7
150	MAGNETIC HOLDER BASE WITH SWIVEL	_	_	_	_	_	_

# Hand Lamps

PART NO.	OUTLET	FIXTURE SWITCH	MAX. LAMP VOLTAGE	LAMP WATTAGE	NEMA CONFIG.	CORD Type	LENGTH
402	•	•	120VAC	100	NEMA 5-15	16/3 SJT0W	25'
405	•	•	120VAC	100	NEMA 5-15	16/3 SJT0W	50'

# Watertite® Pigtail Sockets & Lampholders

NEōTEX® rubber cover construction with water-resistant lip that molds around bulb to form a water-resistant seal. Ceramic base interior with full-thread copper screw shell, medium base, #14 gauge wire leads, 600V 300 watt, maximum 15A. Can be fitted with 1.5" diameter neck guards on page 37.

PART NO.	DESCRIPTION
600	SOCKET WITH 4-1/2" LEADS
600SC	SOCKET WITH SPRING CONTACT
601	SOCKET WITH 3-1/4" COVER
602	SOCKET WITH 4" COVER
603	LAMPHOLDER 4-1/2" LEADS
606	"TURTLE-NEK" SOCKET WITH MOUNTING FLANGE FOR 3.5" OR 4" BOXES
1262	4-1/2" LEADS (WITHOUT WATERTITE® LIP)









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Want the facts about wiring devices? Talk to experts who work in some of the toughest manufacturing environments imaginable. Ask MRO managers who are responsible for keeping sensitive electronic equipment up and running in wet or corrosive conditions. Consult with construction engineers, who demand wiring devices that consistently stand up to abuse on the job. Inquire at hospitals, where an added margin of safety is absolutely critical. Time and time again, the professionals will tell you who they count on for durability and performance — Woodhead.

### **Watertite® Wiring Devices**

The industry standard for reliable protection in wet and abusive environments. When conditions demand reliable, moisture-resistant performance, U.L. listed and tested Watertite® plugs and connectors offer the ultimate solution. Our patented multiple seal and rugged NEōTEX® Paracril OZO rubber construction can withstand up to 1000 psi of hosedown, and provides a tight barrier against oil, water, dust and other contaminants.

When properly mated, Watertite® devices form an enclosure that meets the requirements of NEMA type 1, 3, 4, 4X, 5, 6, 6P, and 12 – as well as IP55, IP56, IP57, IP65, IP66, and IP67. No other company offers a rubber wiring device that meets so many U.L. tested ratings for wet locations.

# **Super-Safeway® Wiring Devices**

Built to endure rigorous industrial conditions. With their tough NEōTEX Paracril OZO rubber housing, Super-Safeway® plugs and connectors perform more reliably under rugged conditions than devices formed of ETPR thermoplastic. They are the ideal solution for applications where continuous impact and abrasion are an everyday occurrence. For dependability in settings where the protection of a Watertite® device is not required, Super-Safeway® wiring devices are the answer.

# Safeway+® Wiring Devices

Performance engineered for general purpose applications. With their hard nylon core and protective rubber coating, Safeway+® wiring devices provide exceptional performance. The product's unique 3-piece assembly locks together with just two screws, while the patented reversible cord clamp eliminates the need for cord spacers. For general purpose use at an economical price, Woodhead's Safeway+® wiring devices outperform all other products in their class.

### KEY PRODUCT SELECTOR GUIDE

						WAT	ERTITE®		
NEMA CONFIGURATION		VOLTAGE/ Amperage	PAGE	PLUG	CONNECTOR	SINGLE FLIP LID w/ FEMALE RECEPTACLE	DUPLEX FLIP LID w/ FEMALE RECEPTACLE	SINGLE FLIP LID w/ MALE RECEPTACLE	CONNECTOR FOR MALE RECEPTACLE
2-POLE/2-WIRE									
1-15	1111	15A/125V	48-51	14W04 14W19¹	15W04	60W04	60W04DPLX	59W04	15W04MB
L1-15	33	15A/125V	48-51	24W04	25W04	65W04	65W04DPLX	64W04	25W04MB
L2-20	٥٥	20A/250V	68-71	26W07	27W07	67W07	67W07DPLX	66W07	27W07MB
2-POLE/3-WIRE									
5-15	(i) (i)	15A/125V	52-59	14W47	15W47	60W47	60W47DPLX	59W47	15W47MB
L5-15	© ©	15A/125V	52-59	24W47	25W47	65W47	65W47DPLX	64W47	25W47MB
6-15	$\Theta \Theta$	15A/250V	60-63	14W49	15W49	60W49	60W49DPLX	59W49	15W49MB
L6-15	ÕÕ	15A/250V	60-63	24W49	25W49	65W49	65W49DPLX	64W49	25W49MB
7-15	@.	15A/277V	60-63	14W34	15W34	60W34	60W34DPLX	59W34	15W34MB
L7-15	٥٠	15A/277V	60-63	24W34	25W34	65W34	65W34DPLX	64W34	25W34MB
5-20	(h)(1)	20A/125V	72-79	14W33	15W33	60W33	60W33DPLX	59W33	15W33MB
L5-20	(i) (i)	20A/125V	72-79	26W47	27W47	67W47	_	66W47	27W47MB
6-20	⊕	20A/250V	84-87	14W48	15W48	60W48	60W48DPLX	59W48	15W48MB
L6-20	♡♡	20A/250V	84-87	26W48	27W48	67W48	_	66W48	27W48MB
L7-20	<b>©</b>	20A/277V	84-87	26W49	27W49	67W49	_	66W49	27W49MB
L5-30	٨	30A/125V	96-99	28W47	29W47	69W47	_	68W47	29W47MB
L6-30	٩	30A/250V	96-99	28W48	29W48	69W48	_	68W48	29W48MB
L7-30	© ©	30A/277V	96-99	28W49	29W49	69W49	_	68W49	29W49MB
6-50	(î) (î)	50A/250V	112	_	_	_	_	_	_
Non-NEMA Locking C	A 🛈 🛈	50A/125V	112	CS63W61	CS63W60	CS69W60	_	_	_
Non-NEMA Locking	(Dn()	50A/125V	112	63W61	63W60	69W60	_	_	_
Non-NEMA Locking C	A (Duc)	50A/250V	112	CS82W65	CS82W64	69W64	_	_	_
Non-NEMA Locking	<b>O</b> 1 <b>O</b>	50A/600VAC/250VDC	112	37W63	37W62	69W62	_	_	_
Non-NEMA Locking C	A 👀 🔾	50A/480V	112	CS84W65	CS84W64	67W64	_	_	_
3-POLE/3-WIRE									
Non-NEMA	(1) (1)	15A/125V 10A/250V	64-67	14W07	60W07DPLX	15W07	60W07	59W07	15W07MB
Non-NEMA Locking	00	15A/125V 10A/250V	64-67	24W07	65W07DPLX	25W07	65W07	64W07	25W07MB
Non-NEMA Locking	ÕÕ	20A/125V/250V	80-83	26W08	27W08	_	67W08	66W08	27W08MB
Non-NEMA Locking	0,0	20A/250V GRNDING TAB	80-83	26W08G	27W08G	_	_	_	27W08GMB
Non-NEMA Locking	00	30A/125V/250V	100-103	28W08	29W08	_	69W08	68W08	29W08MB
3-POLE/4-WIRE	© <b>①</b>	004/105//050//	00.01	OCW74	071474	CZWZA		CCMZA	07W74MD
L14-20	00	20A/125V/250V	88-91	26W74	27W74	67W74	_	66W74	27W74MB
L15-20	00	20A/250V/3ø	88-91	26W75	27W75	67W75	_	66W75	27W75MB
L16-20	00	20A/480V/3ø	88-91	26W76	27W76	67W76	_	66W76	27W76MB
L14-30		30A/125V/250V	104-107	28W74	29W74	69W74	_	68W74	29W74MB
L15-30	00	30A/250V/3ø	104-107	28W75	29W75	69W75	_	68W75	29W75MB
L16-30 L17-30	00	30A/480V/3ø 30A/600V/3ø	104-107 104-107	28W76 28W77	29W76 29W77	69W76 69W77	_	68W76 68W77	29W76MB 29W77MB
L17-30 Non-NEMA Locking C			114				_	084477	29W//IVIB
Non-NEMA Locking C		50A/125V/250V 50A/125V/250V	114	CS63W65 63W65	CS63W64 63W64	CS60W64 60W64			
Non-NEMA Locking C		50A/250V/3ø	114	CS83W65	CS83W64	65W64	_	_	
Non-NEMA Locking C		50A/600VAC/250VDC	114	37W65	37W64	66W64		_	
Non-NEMA Locking C		50A/480V/3ø	114	CS81W65	CS81W64	64W64	_	_	_
		JUN TUUN JUN	117	00011100	33011104	041104			
4-POLE/4-WIRE									
Non-NEMA Locking	00	20A/120V/208V	80-83	26W09	27W09	67W09	_	66W09	27W09MB
Non-NEMA Locking	00	30A/120V/208V	100-103	28W09	29W09	69W09	_	68W09	29W09MB
4-POLE/5-WIRE									
L21-20	<b>©</b>	20A/120V/208V/3øY	92-93	26W81	27W81	67W81	_	66W81	27W81MB
Non-NEMA Locking	<b>© ©</b>	20A/250V 10A/600V	80	26W10	27W10	67W10	_	66W10	27W10MB
L22-20	<b>©</b>	20A/227V/480V/3øY	92-95	26W82	27W82	67W82	_	66W82	27W82MB
L23-20	00	20A/347V/600V/3øY	92-95	26W83	27W83	67W83	_	66W83	27W83MB
L21-30	<b>©</b>	30A/120V/208V/3øY	108-111	28W81	29W81	69W81	_	68W81	29W81MB
L22-30	⊕ ⊙	30A/277V/480V/3øY	108-111	28W82	29W82	69W82	_	68W82	29W82MB
L23-30	<b>©</b>	30A/347V/600V/3øY	108-111	28W83	29W83	69W83	_	68W83	29W83MB

<sup>&</sup>lt;sup>1</sup> POLARIZED

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### **KEY PRODUCT SELECTOR GUIDE** •

				SUPER-	SAFEWAY®	SAFEWAY®			
NEMA CONFIGURATION		VOLTAGE/ AMPERAGE	PAGE	PLUG	CONNECTOR	PLUG	CONNECTOR	FLANGED INLET	FLANGED RECEPTACLES
2-POLE/2-WIRE									
1-15	00	15A/125V	49-51	1404 1419¹	1504	5166 5176¹	5169	1404MB	1504MB
L1-15	8	15A/125V	49-51	2404	2504	24T04	25T04	2404MB	2504MB
L2-20	٥٥	20A/250V	69-71	2607	2707	26T07	27T07	2607MB	2707MB
2-POLE/3-WIRE									
5-15	(i) (i)	15A/125V	53-59	1447	1547	5266	5269	1447MB	1547MB
L5-15	© C	15A/125V	53-59	2447	2547	4720	4729	2447MB	2547MB
6-15	⊕⊕	15A/250V	61-63	1449	1549	5666	5669	1449MB	1549MB
L6-15		15A/250V	61-63	2449	2549	24T49	25T49	2449MB	2549MB
7-15	€ €	15A/277V	61-63	1434	1534	5766	5769	1434MB	1534MB
L7-15	٩	15A/277V	61-63	2434	2534	4770	4779	2434MB	2534MB
5-20	⊕	20A/125V	73-79	1433	1533	5366	5369	1433MB	1533MB
L5-20	(i) (i)	20A/125V	73-79	2647	2747	26T47	27T47	2647MB	2747MB
6-20	⊕ <u>©</u>	20A/250V	85-87	1448	1548	5466	5469	1448MB	1548MB
L6-20	©	20A/250V	85-87	2648	2748	26T48	27T48	2648MB	2748MB
L7-20	(D)(C)	20A/277V	85-87	2649	2749	26T49	27T49	2649MB	2749MB
L5-30	©	30A/125V	97-99	2847	2947	28T47	29T47	2847MB	2947MB
L6-30		30A/250V	97-99	2848	2948	28T48	29T48	2848MB	2948MB
L7-30	00	30A/277V	97-99	2849	2949	28T49	29T49	2849MB	2949MB
6-50	00	50A/250V	112	8664	8665				
Non-NEMA Locking CA		50A/125V	112-113		_	CS6361N	CS6360N	CS6377	CS6370 <sup>2</sup>
Non-NEMA Locking	(C)(C)	50A/125V	112-113	_	_	6361CRN	6360CRN	6377CR	6370CR <sup>2</sup>
Non-NEMA Locking CA		50A/250V	112-113		_	CS8265N	CS8264N	CS8275	CS8269 <sup>2</sup>
Non-NEMA Locking	(C)11(C)	50A/600VAC/250VDC	112-113	_	_	3763N	3762N	3777	37712
Non-NEMA Locking CA	4 (D <sub>11</sub> (3)	50A/480V	112-113		_	CS8465N	CS8464N	CS8475	CS8469 <sup>2</sup>
3-POLE/3-WIRE									
Non-NEMA	(I)	15A/125V 10A/250V	65-67	1407	1507	5276	1507	1407MB	1507MB
Non-NEMA Locking	00	15A/125V 10A/250V	65-67	2407	2507	4730	4739	2407MB	2507MB
Non-NEMA Locking	00	20A/125V/250V	81-83	2608	2708	26T08	27T08	2608MB	2708MB
Non-NEMA Locking		20A/250V GRNDING TAB	81-83	2608G	2708G	26T08G	27T08G	_	_
Non-NEMA Locking	00	30A/125V/250V	101-103	2808	2908	28T08	29T08	2808MB	2908MB
3-POLE/4-WIRE									
L14-20	<b>O</b>	20A/125V/250V	89-91	2674	2774	26T74	27T74	2674MB	2774MB
L15-20	<b>:</b>	20A/250V/3ø	89-91	2675	2775	26T75	27T75	2675MB	2775MB
L16-20	⊕⊙	20A/480V/3ø	89-91	2676	2776	26T76	27T76	2676MB	2776MB
L14-30	<b>©</b>	30A/125V/250V	105-107	2874	2974	28T74	29T74	2874MB	2974MB
L15-30	$\odot \odot$	30A/250V/3ø	105-107	2875	2975	28T75	29T75	2875MB	2975MB
L16-30	<b>©</b>	30A/480V/3ø	105-107	2876	2976	28T76	29T76	2876MB	2976MB
L17-30	٠	30A/600V/3ø	105-107	2877	2977	28T77	29T77	2877MB	2977MB
Non-NEMA Locking CA	A Onto	50A/125V/250V	114-115	_	_	CS8365N	CS8364N	CS6375	CS6369 <sup>2</sup>
Non-NEMA Locking	$\odot_{\mathfrak{l}}\odot$	50A/125V/250V	114-115	_	_	6365CRN	6364CRN	6375CR	6369CR <sup>2</sup>
Non-NEMA Locking CA		50A/250V/3ø	114-115	_	_	CS8365N	CS8364N	CS8375	CS8369 <sup>2</sup>
Non-NEMA Locking	(C)1(C)	50A/600VAC/250VDC	114-115	_	_	3765N	3764N	3775	3769 <sup>2</sup>
Non-NEMA Locking CA	4 (Option A	50A/480V/3ø	114-115		_	CS8165N	CS8164N	CS8175	CS8169 <sup>2</sup>
4-POLE/4-WIRE									
Non-NEMA Locking	00	20A/120V/208V	81-83	2609	2709	26T09	27T09	2609MB	2709MB
Non-NEMA Locking	00	30A/120V/208V	101-103	2809	2909	28T09	29T09	2809MB	2909MB
4-POLE/5-WIRE	-								
L21-20	<b>@</b>	20A/120V/208V/3øY	93-95	2681	2781	26T81	27T81	2681MB	2781MB
Non-NEMA Locking	00	20A/250V 10A/600V	81-82	2610	2781	26T10	27T10	2610MB	278 TWB 2710MB
L22-20	00	20A/227V/480V/3øY	93-95	2682	2710	24T04	25T04	2607MB	2710MB
L23-20	00	20A/347V/600V/3øY	93-95	2683	2783	24T04 26T83	27T83	2683MB	2783MB
L21-30	00	30A/120V/208V/3øY	109-111	2881	2981	28T81	27163 29T81	2881MB	2981MB
L22-30	©.0	30A/277V/480V/3øY	109-111	2882	2982	28T82	29T82	2882MB	2982MB
L23-30	30	30A/347V/600V/3øY	109-111	2883	2983	28T83	29T83	2607MB	2707MB

<sup>1</sup> POLARIZED

www.woodhead.com WOODHEAD 47

<sup>&</sup>lt;sup>2</sup> SINGLE RECEPTACLES AND NOT FLANGED RECEPTACLES

### • 125V - 2-Pole, 2-Wire - NEMA 1-15 / NEMA L1-15

Watertite® devices set the standard for the roughest, wettest and most abrasive of environments. When properly mated with corresponding connectors, Watertite® devices form an enclosure that meets the requirements of NEMA Type 4, 4X, 6 and 6P, IP65, 66 and 67, and can resist high-pressure hose-down up to 1,000 psi. Additional features include: unique multiple ring seal that locks snugly, protecting against moisture and contaminants, sturdy compression-type cord grip that provides 205 lbs. of pull-out strength, and a protective closure cap that seals the connector when it is not in use. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

#### Configurations

**NEMA 1-15** 



NEMA L1-15





WATERTITE® CONNECTOR



# Watertite® Plugs and Connectors

CONFIGURATION	VOLTAGE	LOCKING BLADE (L)	PLUG PART NO.1	CONNECTOR PART NO.1	CORD GRIP BODY SIZE <sup>2</sup>
NEMA 1-15	125V		14W04/14W19 <sup>3</sup>	15W04	F2 ½"
NEMA L1-15 © €	125V	•	24W04	25W04	F2 ½"

<sup>1</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER WATERTITE® DEVICES IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NUMBER.

WATERTITE® RECEPTACLES AVAILABLE (SEE PAGE 50)

PREMADE CORDSETS AVAILABLE (SEE PAGE 51)



<sup>&</sup>lt;sup>2</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.

<sup>3</sup> POLARIZED

• 125V - 2-Pole, 2-Wire - NEMA 1-15 / NEMA L1-15

Designed for rugged industrial and commercial use, Super-Safeway® devices share some of the advanced design features of their Watertite® counterparts. Their durable rubber housing resists heat, oil, impact, and chemicals. A patented self-centering cord clamp provides superior strain-relief for a range of cable sizes while speed screws aid in quick assembly of these deadfront back-wired devices pioneered by Woodhead. Safeway® nylon plugs and connectors are Woodhead's economical solution for industrial and commercial applications. Product photos are intended to show device style only and are not intended to reflect indicated configurations.





### Super-Safeway® Plugs and Connectors

CONFIGURATION		VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1,2	CONNECTOR PART NO. <sup>1,2</sup>
NEMA 1-15	00	125V		1404/1419³	1504
NEMA L1-15	33	125V	•	2404	2504





# Safeway® Plugs and Connectors4

CONFIGURATION		VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1	CONNECTOR PART NO. 1
NEMA 1-15	00	125V		5166/5176 <sup>3</sup>	5169
NEMA L1-15	33	125V	•	24T04	25T04

<sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.



<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER SUPER-SAFEWAY® IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NUMBER.

<sup>3</sup> POLARIZED

<sup>4</sup> TO ORDER SAFEWAY® DEVICE IN YELLOW ADD A "YL" SUFFIX TO THE WOODHEAD PART NO.

### 15 AMP RECEPTACLES

### • 125V - 2-Pole, 2-Wire - NEMA 1-15 / NEMA L1-15

Woodhead meets your receptacle needs head-on. Single, duplex or motor-base receptacles for wet abusive environments are covered by Watertite® product solutions while general industrial applications are well served by nylon Safeway® receptacles. Watertite® receptacles feature spring-loaded flip lid covers with built-in lock-out/tag-out capabilities and the patented triple seal for the best in wet-location protection. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

#### Configurations

**NEMA 1-15** 



**NEMA L1-15** 





WATERTITE® SINGLE FLIP LID





WATERTITE® DUPLEX FLIP LID







WATERTITE® CONNECTOR FOR FLIP LID W/ MALE RECEPTACLE

### Watertite® Receptacles with Flip Coverplates

CONFIGURAT	ΓΙΟΝ	VOLTAGE	LOCKING BLADE (L)	SINGLE FLIP LID	DUPLEX FLIP LID	FLIP LID WITH MALE RECEPTACLE	CONNECTOR FOR FLIP LID WITH MALE RECEPTACLE	CORD GRIP BODY SIZE
NEMA 1-15	010	125V		60W04	60W04DPLX	59W04	15W04MB	F2 ½"
NEMA L1-15	33	125V	•	65W04	65W04DPLX	64W04	25W04MB	F2 ½"







SAFEWAY® FLANGED RECEPTACLE

# Safeway® Receptacles and Inlets

CONFIGURA	TION	VOLTAGE	LOCKING Blade (L)	FLANGED INLET	FLANGED RECEPTACLE
NEMA 1-15	11(1)	125V		1404MB	1504MB
NEMA L1-15	33	125V	•	2404MB	2504MB



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

**WATERTITE® PLUGS** AND CONNECTORS AVAILABLE (SEE PAGE 48)

### 15 AMP CORDSETS

### • 125V - 2-Pole, 2-Wire - NEMA 1-15 / NEMA L1-15

Factory pre-made Watertite® or Super-Safeway® cordsets are made from heavy-duty SOW cord and the appropriate connector bodies that fit your environment. Product photos are intended to show style only and are not intended to reflect indicated configurations.



### Watertite® Cordsets

CONFIGL	JRATION	VOLTAGE	16-GAUGE SOW CORDSETS	14-GAUGE SOW CORDSETS
NEMA 1-15	11(1)	125V	14W04_162	14W04_142
NEMA L1-15	⊕⊕	125V	24W04_162	24W04_142

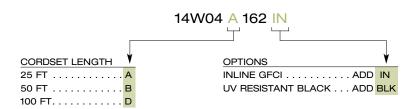
### Super-Safeway® Cordsets

CONFIGU	IRATION	VOLTAGE	16-GAUGE SOW CORDSETS	14-GAUGE SOW CORDSETS
NEMA 1-15	010	125V	1404_162	1404_142
NEMA L1-15	33	125V	2404_162	2404_142



SUPER-SAFEWAY® CORDSET

Cordset Options: Use the following chart to modify your part's specifications. 12 & 14 gauge GFCI cordsets use SJOW cord.



• 125V - 2-Pole, 3-Wire - NEMA 5-15 / NEMA L5-15

Watertite® devices set the standard for the roughest, wettest and most abrasive of environments. When properly mated with corresponding connectors, Watertite® devices form an enclosure that meets the requirements of NEMA Type 4, 4X, 6 and 6P, IP65, 66 and 67, and can resist high-pressure hose-down up to 1,000 psi. Additional features include: unique multiple ring seal that locks snugly, protecting against moisture and contaminants, sturdy compression-type cord grip that provides 205 lbs. of pull-out strength, and a protective closure cap that seals the connector when it is not in use. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

#### Configurations

**NEMA 5-15** 



**NEMA L5-15** 





### Watertite® Plugs and Connectors

CONFIGURA	TION	VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1,2	CONNECTOR PART NO. <sup>1, 2</sup>	CORD GRIP BODY SIZE
NEMA 5-15	(i) (i)	125V		14W47	15W47	F2 ½"
NEMA L5-15	◎ 😧	125V	•	24W47	25W47	F2 ½"

<sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.

WATERTITE® RECEPTACLES AVAILABLE (SEE PAGE 56)

WATERTITE® PLUG

PREMADE CORDSETS **AVAILABLE** (SEE PAGES 58-59)



<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER WATERTITE® DEVICES IN UV RESISTANT BLACK, ADD "BLK" TO THE END OF THE PART NUMBER.

125V – 2-Pole, 3-Wire – NEMA 5-15 / NEMA L5-15

Designed for rugged industrial and commercial use, Super-Safeway® devices share some of the advanced design features of their Watertite® counterparts. Their durable rubber housing resists heat, oil, impact, and chemicals. A patented self-centering cord clamp provides superior strain-relief for a range of cable sizes while speed screws aid in quick assembly of these dead-front back-wired devices pioneered by Woodhead. New Safeway+® wiring devices feature a 3-piece rubberized-nylon assembly that locks the device together with just two screws for quick, easy assembly while providing durability and protection with a rubber-coated nylon design. Safeway® nylon plugs and connectors are Woodhead's economical solution for industrial and commercial applications. Product photos are intended to show device style only and are not intended to reflect indicated configurations.





### Super-Safeway® Plugs and Connectors

CONFIGURA	TION	VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1,2	CONNECTOR PART NO. <sup>1, 2</sup>
NEMA 5-15	(i) (i)	125V		1447	1547
NEMA L5-15	②②	125V	•	2447	2547





SAFEWAY+® CONNECTOR

# Safeway+® Plugs and Connectors

CONFIGURA	ATION _	VOLTAGE	PLUG PART NO.1	CONNECTOR PART NO.1
NEMA 5-15	<b>(1) (1)</b>	125V	5266-RB	5269-RB





### Safeway® Plugs and Connectors3

CONFIGURA	TION	VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1	CONNECTOR PART NO.1
NEMA 5-15	00	125V		5266	5269
NEMA L5-15	<b>©</b>	125V	•	4720	4729

<sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.

<sup>3</sup> TO ORDER SAFEWAY® DEVICES IN YELLOW ADD A "YL" SUFFIX TO THE WOODHEAD PART NO.





<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER SUPER-SAFEWAY® IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NUMBER.

### 15 AMP SPECIALTY PLUGS AND CONNECTORS

• 125V - 2-Pole, 3-Wire - NEMA 5-15 / NEMA L5-15

Configurations

NEMA 5-15

**NEMA L5-15** 







# Watertite® Monitoring Plugs and Connectors

CONFIGURAT	'ION	VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1	CONNECTOR PART NO.1	CORD GRIP BODY SIZE
NEMA 5-15	(i) (i)	125V		14W47EZ	15W47GCM	F2 ½"
NEMA L5-15	٩	125V	•	24W47EZ	25W47GCM	F2 ½"





### Super-Safeway® Hospital Duty Monitoring Plugs and Connectors

for ground continuity

CONFIGURA	TION	VOLTAGE	LOCKING BLADE (L)	PLUG PART NO.1	CONNECTOR PART NO.1
NEMA 5-15	(i) (i)	125V		1447EZ	1547GCM
NEMA L5-15	٩	125V	•	2447EZ	2547GCM



HOSPITAL DUTY - PLUG

# Super-Safeway® Hospital Duty Plugs and Connectors

CC	NFIGURATION	VOLTAGE	PLUG PART NO.1	CORD GRIP Body Size
NEMA 5	-15 🛍 🛈	125V	85000	F2 ½"







LIGHTED CONNECTOR - BLACK HUSK



LIGHTED CONNECTOR - HOSPITAL DUTY

# Super-Safeway® Lighted Connectors

			CO	NNECTOR PART	NO.1
CONFIGURA	ATION	VOLTAGE	HOSPITAL DUTY	YELLOW HUSK	BLACK HUSK
NEMA 5-15	(i) (i)	125V	85002	15L47	15L47BLK

1 FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269. RECEPTACLES AVAILABLE (SEE PAGES 56-57)

PREMADE CORDSETS **AVAILABLE** (SEE PAGES 58-59)

### 15 AMP SPECIALTY PLUGS AND CONNECTORS

• 125V - 2-Pole, 3-Wire - NEMA 5-15



**BLACK PLUG** 



YELLOW PLUG



TRANSPARENT PLUG



**BLACK CONNECTOR** 



YELLOW CONNECTOR



TRANSPARENT CONNECTOR

### Safeway® Hospital Duty Plugs and Connectors

		PLUG PART NO.1			CONNECTOR PART NO.1			
CONFIGURA	TION	VOLTAGE	BLACK	YELLOW	TRANSPARENT	BLACK	YELLOW	TRANSPARENT
NEMA 5-15	(i) (i)	125V	85266	85266YL	85447	85269	85269YL	85547

### Safeway® Right Angle Plugs

				PLUG PART NO.1
CONFIGURATION		VOLTAGE	YELLOW	HOSPITAL GRADE TRANSPARENT
NEMA 5-15	00	125V	14R47	85050



YELLOW RIGHT ANGLE PLUGS



TRANSPARENT RIGHT ANGLE PLUGS

### Safeway® Individually Fused Plugs

			PLUG PART NO.1				
CONFIGURATION		VOLTAGE	YELLOW	HOSPITAL GRADE TRANSPARENT			
NEMA 5-15	(i) (i)	125V	14F47	85125			



YELLOW INDIVIDUALLY FUSED GROUNDING PLUG



HOSPITAL GRADE TRANSPARENT INDIVIDUALLY FUSED GROUNDING PLUG

# Safeway® Lighted Plugs and Connectors

CONFIGURA	CONFIGURATION		PLUG PART NO.	CONNECTOR PART NO.1
NEMA 5-15	(i) (i)	125V	85447L	5269L

<sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.



LIGHTED DEVICES - PLUG



LIGHTED DEVICES - CONNECTOR





### 15 AMP RECEPTACLES

### • 125V - 2-Pole, 3-Wire - NEMA 5-15 / NEMA L5-15

Woodhead meets your receptacle needs head-on. Single, duplex or motor-base receptacles for wet abusive environments are covered by Watertite® product solutions while general industrial applications are well served by nylon Safeway® receptacles. Watertite® receptacles feature spring-loaded flip lid covers with built-in lock-out/tag-out capabilities and the patented triple seal for the best in wet-location protection. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

#### Configurations

**NEMA 5-15** 



**NEMA L5-15** 









WATERTITE® SINGLE FLIP LID



WATERTITE® FLIP LID W/ MALE RECEPTACLE



WATERTITE® CONNECTOR FOR FLIP LID W/ MALE RECEPTACLE

### Watertite® Receptacles with Flip Coverplates

CONFIGURATION	VOLTAGE	LOCKING BLADE (L)	SINGLE FLIP LID	DUPLEX FLIP LID	FLIP LID WITH MALE RECEPTACLE	CONNECTOR FOR FLIP LID WITH MALE RECEPTACLE
NEMA 5-15 🕮 🛈	125V		60W47	60W47DPLX	59W47	15W47MB
NEMA L5-15	125V	•	65W47	65W47DPLX	64W47	25W47MB

# Watertite® Duplex GFCI Receptacle

CONFIGURATION	1	VOLTAGE	RECEPTACLE PART NO.
NEMA 5-15	(E)	125V	60W47DPLXGF
NEMA L5-15	©	125V	65W47DPLXGF

# Watertite® Pigtail Outlet

CONFIGURATIO	N	VOLTAGE	OUTLET PART NO.
NEMA 5-15	(i) (i)	125V	647





### 15 AMP RECEPTACLES

# • 125V - 2-Pole, 3-Wire - NEMA 5-15 / NEMA L5-15

Woodhead meets your receptacle needs head-on. Single, duplex or motor-base receptacles for wet abusive environments are covered by Woodhead Watertite® product solutions while general industrial applications are well served by nylon Safeway® receptacles. Watertite® receptacles feature spring-loaded flip lid covers with built-in lock-out/tag-out capabilities and the patented triple seal for the best in wet-location protection. Product photos are intended to show device style only and are not intended to reflect indicated configurations.



SAFEWAY® FLANGED INLET



SAFEWAY® FLANGED RECEPTACLES



SAFEWAY® DUPLEX RECEPTACLE



SAFEWAY® SINGLE RECEPTACLE

### Safeway® Receptacles and Inlets

			LOCKING	FLANGED	FLANGED	DUPLEX SPEC-GRADE		SPEC-GRADE PTACLE
CONFIGURATIO	ON	VOLTAGE	BLADE (L)	INLET	RECEPTACLE	RECEPTACLE <sup>1, 2</sup>	DUPLEX1	SINGLE <sup>1</sup>
NEMA 5-15	<b>(1) (1)</b>	125V		1447MB	1547MB	5252DW	5262DW	5261DW
NEMA L5-15	◎ 🖭	125V	•	2447MB	2547MB	_	4700DW	_

<sup>1</sup> STANDARD COLOR IS BROWN

<sup>&</sup>lt;sup>2</sup> FOR CORROSION-RESISTANT RECEPTACLE, ADD "CR" SUFFIX TO THE PART NO. (E.G. 5256DWCR)

### 15 AMP CORDSETS

• 125V - 2-Pole, 3-Wire - NEMA 5-15 / NEMA L5-15

Factory pre-made Watertite® or Super-Safeway® cordsets are made from heavy-duty SOW cord and the appropriate connector bodies that fit your environment. Product photos are intended to show style only and are not intended to reflect indicated configurations.

#### Configurations

NEMA 5-15



NEMA L5-15





### Watertite® Cordsets

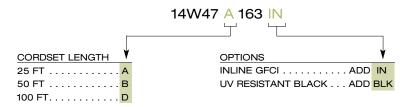
CONFIGUR	ATION	VOLTAGE	16-GAUGE SOW CORDSETS	14-GAUGE SOW CORDSETS
NEMA 5-15	<b>(1) (1)</b>	125V	14W47_163	14W47_143
NEMA L5-15	◎ ②	125V	24W47_163	24W47_143

### Super-Safeway® Cordsets

CONFIGUE	RATION	VOLTAGE	16-GAUGE SOW CORDSETS	14-GAUGE SOW CORDSETS	
NEMA 5-15	<b>11</b>	125V	1447_163	1447_143	
NEMA L5-15	٧	125V	2447_163	2447_143	



Cordset Options: Use the following chart to modify your part's specifications. (12 & 14 gauge GFCI cordsets use SJOW cord.)





### 15 AMP SPECIALTY CORDSETS

• 125V - 2-Pole, 3-Wire - NEMA 5-15 / NEMA L5-15

Molded "Y" and "W" cordsets are high quality, custom-made adapters that provide multiple outlets from a single source. They are made from heavy-duty SOW cord and the appropriate connector bodies that fit your environment. When ordering custom cordsets, the amperage and voltage of the plug must be equal to or greater than that of the connectors. Approximate overall length of the product is 3 ft. Product photos are intended to show device style only and are not intended to reflect indicated configurations.





WATERTITE® MOLDED Y CORDSET

WATERTITE® MOLDED W CORDSET

#### Watertite® Molded Cordsets

		MOLDI	ED Y CORDSET	MOLDED W CORDSET		
CONFIGURATION		VOLTAGE	STANDARD	WITH IN-LINE GFCI <sup>1</sup>	STANDARD	WITH IN-LINE GFCI <sup>1</sup>
NEMA 5-15	(i) (i)	125V	14W47-Y	14W47-Y-IN	14W47-Y	14W47-Y-IN
NEMA L5-15	<b>©</b>	125V	24W47-Y	24W47-Y-IN	24W47-Y	24W47-Y-IN

<sup>1</sup> IN-LINE GFCI CORDSETS USE SJOW CORD.



MOLDED Y CORDSET

MOLDED W CORDSET

### Super Safeway® Molded Cordsets

		MOLDED Y CORDSET		MOLDED Y CORDSET		ED W CORDSET
CONFIGURATION		VOLTAGE	STANDARD	WITH IN-LINE GFCI <sup>1</sup>	STANDARD	WITH IN-LINE GFCI <sup>1</sup>
NEMA 5-15	(i) (i)	125V	1447-Y	1447-Y-IN	1447-W	1447-W-IN
NEMA L5-15	٩	125V	2447-Y	2447-Y-IN	2447-W	2447-W-IN

<sup>&</sup>lt;sup>1</sup> IN-LINE GFCI CORDSETS USE SJOW CORD.



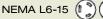
- 250V 2-Pole, 3-Wire NEMA 6-15 / NEMA L6-15
- 277V 2-Pole, 3-Wire NEMA 7-15 / NEMA L7-15

Watertite® devices set the standard for the roughest, wettest and most abrasive of environments. When properly mated with corresponding connectors, Watertite® devices form an enclosure that meets the requirements of NEMA Type 4, 4X, 6 and 6P, IP65, 66 and 67, and can resist high-pressure hose-down up to 1,000 psi. Additional features include: unique multiple ring seal that locks snugly, protecting against moisture and contaminants, sturdy compression-type cord grip that provides 205 lbs. of pull-out strength, and a protective closure cap that seals the connector when it is not in use. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

### Configurations

NEMA 6-15





NEMA 7-15 (%)

**NEMA L7-15** 





# Watertite® Plugs and Connectors

CONFIGURATION	VOLTAGE	LOCKING Blade (L)	PLUG PART NO. <sup>1, 2</sup>	CONNECTOR PART NO. <sup>1,2</sup>	CORD GRIP BODY SIZE
NEMA 6-15	) 250V		14W49	15W49	F2 ½"
NEMA L6-15	9 250V	•	24W49	25W49	F2 ½"
NEMA 7-15	) 277V		14W34	15W34	F2 ½"
NEMA L7-15	277V	•	24W34	25W34	F2 ½"

<sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.

WATERTITE® RECEPTACLES AVAILABLE (SEE PAGE 62)

PREMADE CORDSETS AVAILABLE (SEE PAGE 63)



<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER WATERTITE® DEVICES IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NUMBER.

- 250V 2-Pole, 3-Wire NEMA 6-15 / NEMA L6-15
- 277V 2-Pole, 3-Wire NEMA 7-15 / NEMA L7-15

Designed for rugged industrial and commercial use, Super-Safeway® devices share some of the advanced design features of their Watertite® counterparts. Their durable rubber housing resists heat, oil, impact, and chemicals. A patented self-centering cord clamp provides superior strain-relief for a range of cable sizes while speed screws aid in quick assembly of these dead-front back-wired devices pioneered by Woodhead. Safeway® nylon plugs and connectors are Woodhead's economical solution for industrial and commercial applications. Product photos are intended to show device style only and are not intended to reflect indicated configurations.





### Super-Safeway® Plugs and Connectors

CONFIGUR!	ATION	VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1	CONNECTOR PART NO.1
NEMA 6-15	$\odot$	250V		1449	1549
NEMA L6-15	00	250V	•	2449	2549
NEMA 7-15	<b>30</b>	277V		1434	1534
NEMA L7-15	<b>O</b>	277V	•	2434	2534





# Safeway® Plugs and Connectors2

CONFIGURATION	VOLTAGE	LOCKING Blade (L)	PLUG PART NO.	CONNECTOR PART NO.
NEMA 6-15	250V		5666	5669
NEMA L6-15	3 250V	•	24T49	25T49
NEMA 7-15	3) 277V		5766	5769
NEMA L7-15	277V	•	4770	4779

<sup>1</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER SUPER-SAFEWAY® DEVICES IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NUMBER.

<sup>&</sup>lt;sup>2</sup> TO ORDER SAFEWAY® DEVICE IN YELLOW ADD A "YL" SUFFIX TO THE WOODHEAD PART NO.





### 15 AMP RECEPTACLES

- 250V 2-Pole, 3-Wire NEMA 6-15 / NEMA L6-15
- 277V 2-Pole, 3-Wire NEMA 7-15 / NEMA L7-15

Woodhead meets your receptacle needs head-on. Single, duplex or motor-base receptacles for wet abusive environments are covered by Watertite® product solutions while general industrial applications are well served by nylon Safeway® receptacles. Watertite® receptacles feature spring-loaded flip lid covers with built-in lock-out/tag-out capabilities and the patented triple seal for the best in wet-location protection. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

#### Configurations

NEMA 6-15



NEMA L6-15



NEMA 7-15 NEMA L7-15











WATERTITE® SINGLE FLIP LID

WATERTITE® DUPLEX FLIP LID

WATERTITE® FLIP LID W/ MALE RECEPTACLE

WATERTITE® CONNECTOR FOR FLIP LID W/ MALE RECEPTACLE

### Watertite® Receptacles with Flip Coverplates

CONFIGURATION	VOLTAGE	LOCKING BLADE (L)	SINGLE FLIP LID	DUPLEX FLIP LID	FLIP LID WITH MALE RECEPTACLE	CONNECTOR FOR FLIP LID WITH MALE RECEPTACLE
NEMA 6-15	€ 250V		60W49	60W49DPLX	59W49	15W49MB
NEMA L6-15	€ 250V	•	65W49	65W49DPLX	64W49	25W49MB
NEMA 7-15	⊙ 277V		60W34	60W34DPLX	59W34	15W34MB
NEMA L7-15	277V	•	65W34	65W34DPLX	64W34	25W34MB







SAFEWAY® FLANGED INLET

SAFEWAY® FLANGED RECEPTACLES

SAFEWAY® DUPLEX RECEPTACLE

# Safeway® Receptacles and Inlets

			LOCKING	FLANGED	FLANGED	DUPLEX RE	CEPTACLES
CONFIGURAT	ION	VOLTAGE	BLADE (L)	INLET	RECEPTACLE	SPEC GRADE <sup>1, 2</sup>	HEAVY DUTY <sup>2,3</sup>
NEMA 6-15	<b>:</b>	250V		1449MB	1549MB	5652DW	5662DW
NEMA L6-15		250V	•	2449MB	2549MB	_	_
NEMA 7-15	⊕⊙	277V		1434MB	1534MB	_	_
NEMA L7-15	<b>©</b>	277V	•	2434MB	2534MB	_	l —

STANDARD COLOR IS BROWN

 $<sup>^{\</sup>scriptscriptstyle 3}$  Standard color is black



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269. WATERTITE® PLUGS AND CONNECTORS AVAILABLE (SEE PAGE 60)

<sup>&</sup>lt;sup>2</sup> FOR CORROSION-RESISTANT RECEPTACLE, ADD "CR" SUFFIX TO THE PART NO. (E.G. 4949CR)

### 15 AMP CORDSETS

- 250V 2-Pole, 3-Wire NEMA 6-15 / NEMA L6-15
- 277V 2-Pole, 3-Wire NEMA 7-15 / NEMA L7-15

Factory pre-made Watertite® or Super-Safeway® cordsets are made from heavy-duty SOW cord and the appropriate connector bodies that fit your environment. Product photos are intended to show style only and are not intended to reflect indicated configurations.



### Watertite® Cordsets

CONFIGUR	ATION	VOLTAGE	16-GAUGE SOW CORDSETS	14-GAUGE SOW CORDSETS
NEMA 6-15	⊕⊕	250V	14W49_163	14W49_143
NEMA L6-15	00	250V	24W49_163	24W49_143
NEMA 7-15	②⊙	277V	14W34_163	14W34_143
NEMA L7-15	◎ⓒ	277V	24W34_163	24W34_143

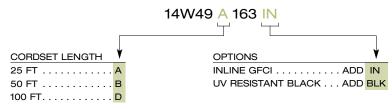
# Super-Safeway® Cordsets

CONFIGU	RATION	VOLTAGE	16-GAUGE SOW CORDSETS	14-GAUGE SOW CORDSETS
NEMA 6-15	⊕⊕	250V	1449_163	1449_143
NEMA L6-15	<b>O</b>	250V	2449_163	2449_143
NEMA 7-15	⊕⊙	277V	1434_163	1434_143
NEMA L7-15	© ©	277V	2434_163	2434_143



SUPER-SAFEWAY® CORDSET

Cordset Options: Use the following chart to modify your part's specifications. 12 & 14 gauge GFCI cordsets use SJOW cord.







### 15 AMP DUAL RATED PLUGS AND CONNECTORS

 15A/125V, 10A/250V – 3-Pole, 3-Wire – Non-NEMA / Non-NEMA Locking

Watertite® devices set the standard for the roughest, wettest and most abrasive of enviro nments. When properly mated with corresponding connectors, Watertite® devices form an enclosurethat meets the requirements of NEMA Type 4, 4X, 6 and 6P, IP65, 66 and 67, and can resist high-pressure hose-down up to 1,000 psi. Additional features include: Unique multiple ring seal that locks snugly, protecting against moisture and contaminants, sturdy compression-type cord grip that provides 205 lbs. of pull-out strength, and a protective closurecap that seals the connector when it is not in use. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

#### Configurations

Non-NEMA Non-NEMA

Locking











# Watertite® Plugs and Connectors

CONFIGURATION	VOLTAGE	LOCKING BLADE (L)	PLUG PART NO.1,2	CONNECTOR PART NO. <sup>1,2</sup>	CORD GRIP BODY SIZE
NON-NEMA	15A/125V, 10A/250V		14W07	15W07	F2 ½"
NON-NEMA LOCKING © ©	15A/125V, 10A/250V	•	24W07	25W07	F2 ½"

FOR CORD BANGES AND CORD SPECIFICATIONS, SEE PAGES 126.

WATERTITE® RECEPTACLES AVAILABLE (SEE PAGE 66)

PREMADE CORDSETS AVAILABLE (SEE PAGE 67)



<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER WATERTITE® DEVICES IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NUMBER.

### 15 AMP DUAL RATED PLUGS AND CONNECTORS

### 15A/125V, 10A/250V – 3-Pole, 3-Wire – Non-NEMA / Non-NEMA Locking

Designed for rugged industrial and commercial use, Super-Safeway® devices share some of the advanced design features of their Watertite® counterparts. Their durable rubber housing resists heat, oil, impact, and chemicals. A patented self-centering cord clamp provides superior strain-relief for a range of cable sizes while speed screws aid in quick assembly of these dead-front back-wired devices pioneered by Woodhead. Safeway® nylon plugs and connectors are Woodhead's economical solution for industrial and commercial applications. Product photos are intended to show device style only and are not intended to reflect indicated configurations.





### Super-Safeway® Plugs and Connectors

CONFIGURATION	VOLTAGE	LOCKING BLADE (L)	PLUG PART NO. <sup>1, 2</sup>	CONNECTOR PART NO. <sup>1, 2</sup>
NON-NEMA	15A/125V, 10A/250V		1407	1507
NON-NEMA LOCKING 🐯 👽	15A/125V, 10A/250V	•	2407	2507





# Safeway® Plugs and Connectors3

, ,				
CONFIGURATION	VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1	CONNECTOR PART NO.1
NON-NEMA 🐶 🕏	15A/125V, 10A/250V		5276	1507
NON-NEMA LOCKING ③ ⑤	15A/125V, 10A/250V	•	4730	4739

<sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.



<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER SUPER-SAFEWAY® DEVICES IN UV RESISTANT BLACK, ADD "BLK" TO THE END OF THE PART NUMBER.

<sup>3</sup> TO ORDER SAFEWAY® DEVICE IN YELLOW ADD A "YL" SUFFIX TO THE WOODHEAD PART NO.

### 15 AMP DUAL RATED RECEPTACLES

• 15A/125V, 10A/250V - 3-Pole, 3-Wire - Non-NEMA / Non-NEMA Locking

Woodhead meets your receptacle needs head-on. Single, duplex or motor-base receptacles for wet abusive environments are covered by Watertite® product solutions while general industrial applications are well served by nylon Safeway® receptacles. Watertite® receptacles feature spring-loaded flip lid covers with built-in lock-out/tag-out capabilities and the patented triple seal for the best in wet-location protection. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

### Configurations

Non-NEMA Non-NEMA

Locking















WATERTITE® SINGLE FLIP LID

WATERTITE® DUPLEX FLIP LID

WATERTITE® FLIP LID W/ MALE RECEPTACLE

WATERTITE® CONNECTOR FOR FLIP LID W/ MALE RECEPTACLE

### Watertite® Receptacles with Flip Coverplates

CONFIGURATION	VOLTAGE	LOCKING Blade (L)	SINGLE FLIP LID	DUPLEX FLIP LID	FLIP LID WITH MALE RECEPTACLE	CONNECTOR FOR FLIP LID WITH MALE RECEPTACLE
NON-NEMA ѾѾ	15A/125V, 10A/250V		60W07	60W07DPLX	59W07	15W07MB
NON-NEMA LOCKING 🕉 🙃	15A/125V, 10A/250V	•	65W07	65W07DPLX	64W07	25W07MB





SAFEWAY® FLANGED INLET

SAFEWAY® FLANGED RECEPTACLES

# Safeway® Receptacles and Inlets

CONFIGURATION	VOLTAGE	LOCKING Blade (L)	FLANGED INLET	FLANGED RECEPTACLE
NON-NEMA	15A/125V, 10A/250V		1407MB	1507MB
NON-NEMA LOCKING 👽 👽	15A/125V, 10A/250V	•	2407MB	2507MB



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269. WATERTITE® PLUGS AND CONNECTORS AVAILABLE (SEE PAGE 64)

### 15 AMP DUAL RATED CORDSETS

### 15A/125V, 10A/250V – 3-Pole, 3-Wire – Non-NEMA / Non-NEMA Locking

Factory pre-made Watertite® or Super-Safeway® cordsets are made from heavy-duty SOW cord and the appropriate connector bodies that fit your environment. Product photos are intended to show style only and are not intended to reflect indicated configurations.



#### Watertite® Cordsets

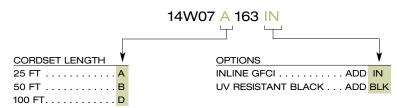
CONFIGURATION		VOLTAGE	16-GAUGE SOW CORDSETS	14-GAUGE SOW CORDSETS
NON-NEMA	<b>.</b>	15A/125V, 10A/250V	14W07_163	14W07_143
NON-NEMA LOCKING	30	15A/125V, 10A/250V	24W07_163	24W07_143

### Super-Safeway® Cordsets

CONFIGURATION		VOLTAGE	16-GAUGE SOW CORDSETS	14-GAUGE SOW CORDSETS
NON-NEMA	(I)	15A/125V, 10A/250V	1407_163	1407_143
NON-NEMA LOCKING	<b>3</b>	15A/125V, 10A/250V	2407_163	2407_143



Cordset Options: Use the following chart to modify your part's specifications. 12 & 14 gauge GFCI cordsets use SJOW cord.







250V – 2-Pole, 2-Wire – NEMA L2-20

Watertite® devices set the standard for the roughest, wettest and most abrasive of environments. When properly mated with corresponding connectors, Watertite® devices form an enclosure that meets the requirements of NEMA Type 4, 4X, 6 and 6P, IP65, 66 and 67, and can resist high-pressure hose-down up to 1,000 psi. Additional features include: Unique multiple ring seal that locks snugly, protecting against moisture and contaminants, sturdy compression-type cord grip that provides 205 lbs. of pull-out strength, and a protective closure cap that seals the connector when it is not in use. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

### Configurations

NEMA L2-20 (3) (5)





WATERTITE® CONNECTOR



### Watertite® Plugs and Connectors

CONFIGURATION VOLTAGE		LOCKING BLADE (L) PLUG PART NO		CONNECTOR PART NO. <sup>1, 2</sup>	CORD GRIP BODY SIZE
NEMA L2-20	250V	•	26W07	27W07	F2 ½"

<sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.

WATERTITE® RECEPTACLES AVAILABLE (SEE PAGE 70)

PREMADE CORDSETS AVAILABLE (SEE PAGE 71)



<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER WATERTITE® DEVICES IN UV RESISTANT BLACK, ADD "BLK" TO THE END OF THE PART NUMBER.

• 250V - 2-Pole, 2-Wire - NEMA L2-20

Designed for rugged industrial and commercial use, Super-Safeway® devices share some of the advanced design features of their Watertite® counterparts. Their durable rubber housing resists heat, oil, impact, and chemicals. A patented self-centering cord clamp provides superior strain-relief for a range of cable sizes while speed screws aid in quick assembly of these deadfront back-wired devices pioneered by Woodhead. Safeway® nylon plugs and connectors are Woodhead's economical solution for industrial and commercial applications. Product photos are intended to show device style only and are not intended to reflect indicated configurations.



### Super-Safeway® Plugs and Connectors

CONFIGURATION		VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1,2	CONNECTOR PART NO. <sup>1, 2</sup>
NEMA L2-20	٥٥	250V	•	2607	2707





# Safeway® Plugs and Connectors3

CONFIGURATION		VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1	CONNECTOR PART NO.1
NEMA L2-20	٥٥	250V	•	26T07	27T07

<sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.





<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER SUPER-SAFEWAY® DEVICES IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NUMBER.

<sup>3</sup> TO ORDER SAFEWAY® DEVICE IN YELLOW ADD A "YL" SUFFIX TO THE WOODHEAD PART NO.

### 20 AMP RECEPTACLES

### • 250V - 2-Pole, 2-Wire - NEMA L2-20

Woodhead meets your receptacle needs head-on. Single, duplex or motor-base receptacles for wet abusive environments are covered by Watertite® product solutions while general industrial applications are well served by nylon Safeway® receptacles. Watertite® receptacles feature spring-loaded flip lid covers with built-in lock-out/tag-out capabilities and the patented triple seal for the best in wet-location protection. Product photos are intended to show device style only and are not intended to reflect indicated configurations.



NEMA L2-20 (\$)











WATERTITE® SINGLE FLIP LID

WATERTITE® DUPLEX FLIP LID

WATERTITE® FLIP LID
W/ MALE RECEPTACLE

WATERTITE® CONNECTOR FOR FLIP LID W/ MALE RECEPTACLE

### Watertite® Receptacles with Flip Coverplates

					FLIP LID	CONNECTOR FOR
		LOCKING	SINGLE	DUPLEX	WITH MALE	FLIP LID WITH
CONFIGURATION	VOLTAGE	BLADE (L)	FLIP LID	FLIP LID	RECEPTACLE	MALE RECEPTACLE
NEMA L2-20		•	67W07	67W07DPLX	66W07	27W07MB





SAFEWAY® FLANGED INLET

SAFEWAY® FLANGED RECEPTACLE

# Safeway® Receptacles and Inlets

CONFIGURATION	VOLTAGE	LOCKING BLADE (L)	FLANGED INLET	FLANGED RECEPTACLE
NEMA L2-20 ©©	250V	•	2607MB	2707MB



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS.
FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

WATERTITE® PLUGS AND CONNECTORS AVAILABLE (SEE PAGE 68)

### **20 AMP CORDSETS**

• 250V - 2-Pole, 2-Wire - NEMA L2-20

Factory pre-made Watertite® or Super-Safeway® cordsets are made from heavy-duty SOW cord and the appropriate connector bodies that fit your environment. Product photos are intended to show style only and are not intended to reflect indicated configurations.



### Watertite® Cordsets

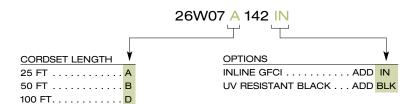
CONFIGURATION	VOLTAGE	14-GAUGE SOW CORDSETS	12-GAUGE SOW CORDSETS
NEMA L2-20	250V	26W07_142	26W07_122

### Super-Safeway® Cordsets

CONFIGU	RATION	VOLTAGE	14-GAUGE SOW CORDSETS	12-GAUGE SOW CORDSETS
NEMA L2-20	NEMA L2-20 ©©		2607_142	2607_122



Cordset Options: Use the following chart to modify your part's specifications. 12 & 14 gauge GFCI cordsets use SJOW cord.



• 125V - 2-Pole, 3-Wire - NEMA 5-20 / NEMA L5-20

Watertite® devices set the standard for the roughest, wettest and most abrasive of environments. When properly mated with corresponding connectors, Watertite® devices form an enclosure that meets the requirements of NEMA Type 4, 4X, 6 and 6P, IP65, 66 and 67, and can resist high-pressure hose-down up to 1,000 psi. Additional features include: Unique multiple ring seal that locks snugly, protecting against moisture and contaminants, sturdy compression-type cord grip that provides 205 lbs. of pull-out strength, and a protective closure cap that seals the connector when it is not in use. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

#### Configurations

**NEMA 5-20** 



NEMA L5-20





# Watertite® Plugs and Connectors

CONFIGURATION		VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1,2	CONNECTOR PART NO. <sup>1, 2</sup>	CORD GRIP BODY SIZE
NEMA 5-20	(i) (i)	125V		14W33	15W33	F2 ½"
NEMA L5-20	<b>⊕</b>	125V	•	26W47	27W47	F3 ¾"

<sup>&</sup>lt;sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.

RECEPTACLES AVAILABLE (SEE PAGES 76-77)

PREMADE CORDSETS AVAILABLE (SEE PAGES 78-79)



<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER WATERTITE® DEVICES IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NUMBER.

• 125V - 2-Pole, 3-Wire - NEMA 5-20 / NEMA L5-20

Designed for rugged industrial and commercial use, Super-Safeway® devices share some of the advanced design features of their Watertite® counterparts. Their durable rubber housing resists heat, oil, impact, and chemicals. A patented self-centering cord clamp provides superior strain-relief for a range of cable sizes while speed screws aid in quick assembly of these dead-front back-wired devices pioneered by Woodhead. New Safeway+® wiring devices feature a 3-piece rubberized-nylon assembly that locks the device together with just two screws for quick, easy assembly while providing durability and protection with a rubber-coated nylon design. Safeway® nylon plugs and connectors are Woodhead's economical solution for industrial and commercial applications. Product photos are intended to show device style only and are not intended to reflect indicated configurations.



### Super-Safeway® Plugs and Connectors

CONFIGURATION	VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1,2	CONNECTOR PART NO. <sup>1, 2</sup>
NEMA 5-20	125V		1433	1533
NEMA L5-20	125V	•	2647	2747







# Safeway+® Plugs and Connectors

CONFIGURATION	VOLTAGE	PLUG PART NO.1	CONNECTOR PART NO.1
NEMA 5-20	○ 125V	5366-RB	5369-RB





# Safeway® Plugs and Connectors3

CONFIGURATION		VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1	CONNECTOR PART NO.1
NEMA 5-20	(i) (i)	125V		5366	5369
NEMA I 5-20	@@	125V		26T47	27T47

<sup>&</sup>lt;sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.

<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER SUPER-SAFEWAY® DEVICES IN UV RESISTANT BLACK.

ADD "BI K" TO THE END OF THE PART NUMBER

<sup>3</sup> TO ORDER SAFEWAY® DEVICE IN YELLOW ADD A "YL" SUFFIX TO THE WOODHEAD PART NO.

### 20 AMP SPECIALTY PLUGS AND CONNECTORS

• 125V - 2-Pole, 3-Wire - NEMA 5-20 / NEMA L5-20

Woodhead monitoring plugs and connectors let you determine whether or not a receptacle or extension cord is properly grounded and wired. It is the reliable and convenient way to really put portable hand lamps, power tools, and equipment to the test. The GCM (ground continuity monitor) connector satisfies OSHA's extension cord testing requirements under the Assured Equipment Grounding Conductor Program. When proper continuity of the grounding conductor is sensed, the connector will glow. By not lighting, the GCM connector alerts the user that there is a problem. The monitoring plug indicates that a receptacle is properly grounded and wired when its bright LED shines continuously.

#### Configurations

**NEMA 5-20** 



NEMA L5-20 (



WATERTITE® GROUND CONTINUITY SAFE-T-CHECK® MONITORING PLUG





WATERTITE GROOND CONTINUE WONT

### Watertite® Monitoring Plugs and Connectors for ground continuity

CONFIGURATION	VOLTAGE	LOCKING Blade (L)	PLUG PART NO.	CONNECTOR PART NO.	CORD GRIP Body Size
NEMA 5-20 ⊕ 🛈	125V		14W33EZ	15W33GCM	F2 ½"





### Super-Safeway® Monitoring Plugs and Connectors

CONFIGURAT	ION	VOLTAGE	LOCKING BLADE (L)	PLUG PART NO.	CONNECTOR PART NO.
NEMA 5-20 (i) (i)		125V		1433EZ	1533GCM



### 20 AMP SPECIALTY PLUGS AND CONNECTORS

• 125V - 2-Pole, 3-Wire - NEMA 5-20 / NEMA L5-20









BLACK CONNECTOR YELLOW CONNECTOR

# Safeway® Hospital Duty Plugs and Connectors

				PLUG PART NO.1			CONNECTOR PART NO.1	
CONFIGURATION		VOLTAGE	BLACK	YELLOW	TRANSPARENT	ORANGE	BLACK	YELLOW
NEMA 5-20	<b>⊕∴</b>	125V	85366	85366YL	85433	853660RG	85369	85369YL





YELLOW RIGHT ANGLE PLUGS

TRANSPARENT RIGHT ANGLE PLUGS

# Safeway® Right Angle Plugs

					PLUG PART NO.1
CONFIGURATION			VOLTAGE	YELLOW	HOSPITAL GRADE TRANSPARENT
	NEMA 5-20	<b>(i)</b>	125V	14R33	85053





LIGHTED DEVICES - PLUG

LIGHTED DEVICES - CONNECTOR

## Safeway® Lighted Plugs and Connectors

CONFIGURATION		VOLTAGE	PLUG PART NO.	CONNECTOR PART NO.
NEMA 5-20 (i) (i)		125V	85433L	5369L

<sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.





MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

www.woodhead.com WOODHEAD 75

### **20 AMP RECEPTACLES**

### • 125V - 2-Pole, 3-Wire - NEMA 5-20 / NEMA L5-20

Woodhead meets your receptacle needs head-on. Single, duplex or motor-base receptacles for wet abusive environments are covered by Watertite® product solutions while general industrial applications are well served by nylon Safeway® receptacles. Watertite® receptacles feature spring-loaded flip lid covers with built-in lock-out/tag-out capabilities and the patented triple seal for the best in wet-location protection. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

#### Configurations

**NEMA 5-20** 



**NEMA L5-20** 











WATERTITE® SINGLE FLIP LID

WATERTITE® DUPLEX FLIP LID

WATERTITE® FLIP LID W/ MALE RECEPTACLE

WATERTITE® CONNECTOR FOR FLIP LID W/ MALE RECEPTACLE

### Watertite® Receptacles with Flip Coverplates

CONFIGURATION		VOLTAGE	LOCKING Blade (L)	SINGLE FLIP LID	DUPLEX FLIP LID	FLIP LID WITH MALE RECEPTACLE	CONNECTOR FOR FLIP LID WITH MALE RECEPTACLE
NEMA 5-20 (1)(-1)		125V		60W33	60W33DPLX	59W33	15W33MB
NEMA L5-20 👸 🙃		125V	•	67W47	_	66W47	27W47MB

# Watertite® Single & Duplex GFCI Receptacle

CONFIGURA	TION	VOLTAGE	TYPE	RECEPTACLE PART NO.
NEMA 5-20	(i) (i)	125V	DUPLEX	60W33DPLXGF
NEMA L5-20	<b>(7)</b>	125V	SINGLE	67W47GF

# Watertite® Pigtail Outlet

CONFIGURATION		VOLTAGE	OUTLET PART NO.
NEMA 5-20	٠	125V	633







WATERTITE® SINGLE GFCI RECEPTACLE



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

**WATERTITE® PLUGS** AND CONNECTORS AVAILABLE (SEE PAGE 72)

### **20 AMP RECEPTACLES** •

• 125V - 2-Pole, 3-Wire - NEMA 5-20 / NEMA L5-20



SAFEWAY® FLANGED INLET



SAFEWAY® FLANGED RECEPTACLE



SAFEWAY® DUPLEX RECEPTACLE



SAFEWAY® SINGLE RECEPTACLE

# Safeway® Receptacles and Inlets

						SINGLE RECEPTACLE	DUPLEX F	RECEPTACLE
CONFIGUR	ATION	VOLTAGE	LOCKING Blade (L)	FLANGED INLET	FLANGED Receptacle	HEAVY DUTY, SPEC GRADE <sup>1, 2</sup>	SPEC GRADE <sup>3</sup>	HEAVY DUTY <sup>3</sup>
NEMA 5-20	(i) (i)	125V	` ,	1433MB	1533MB	5361DW <sup>3</sup>	5352DW	5362DW
NEMA L5-20	(i) (i)	125V	•	2647MB	2747MB	4747	_	_

<sup>1</sup> STANDARD COLOR IS BLACK

<sup>&</sup>lt;sup>2</sup> FOR CORROSION-RESISTANT RECEPTACLE, ADD "CR" SUFFIX TO THE PART NO. (E.G. 4949CR)

<sup>3</sup> STANDARD COLOR IS BROWN

### **20 AMP CORDSETS**

• 125V - 2-Pole, 3-Wire - NEMA 5-20 / NEMA L5-20

Factory pre-made Watertite® or Super-Safeway® cordsets are made from heavy-duty SOW cord and the appropriate connector bodies that fit your environment. Product photos are intended to show style only and are not intended to reflect indicated configurations.

### Configurations

NEMA 5-20



NEMA L5-20 (





### Watertite® Cordsets

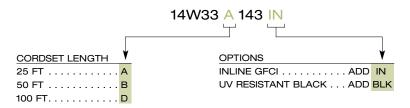
CONFIGURATION		VOLTAGE	14-GAUGE SOW CORDSETS	12-GAUGE SOW CORDSETS	
NEMA 5-20	(i) (i)	125V	14W33_143	14W33_123	
NEMA L5-20	<b>3</b>	125V	26W47_143	26W47_123	

## Super-Safeway® Cordsets

CONFIGURATION		VOLTAGE	14-GAUGE SOW CORDSETS	12-GAUGE SOW CORDSETS
NEMA 5-20	<b>(1)</b>	125V	1433_143	1433_123
NEMA L5-20	<b>60</b>	125V	2647_143	2647_123



Cordset Options: Use the following chart to modify your part's specifications. 12 & 14 gauge GFCI cordsets use SJOW cord.



### **20 AMP SPECIALTY CORDSETS**

• 125V - 2-Pole, 3-Wire - NEMA 5-20 / NEMA L5-20

Molded "Y" and "W" cordsets are high quality, custom-made adapters that provide multiple outlets from a single source. They are made from heavy-duty SOW cord and the appropriate connector bodies that fit your environment. When ordering custom cordsets, the amperage and voltage of the plug must be equal to or greater than that of the connectors. Approximate overall length of the product is 3 ft. Product photos are intended to show device style only and are not intended to reflect indicated configurations.



### Watertite® Molded Cordsets

			MOLDI	ED Y CORDSET	MOLD	ED W CORDSET
CONFIGURATION		VOLTAGE	STANDARD	WITH IN-LINE GFCI <sup>1</sup>	STANDARD	WITH IN-LINE GFCI <sup>1</sup>
NEMA 5-20	⊕	125V	14W33-Y	14W33-Y-IN	14W33-W	14W33-W-IN
NEMA L5-20	<b>3</b>	125V	26W47-Y	26W47-Y-IN	26W47-W	26W47-W-IN

<sup>1</sup> IN-LINE GFCI CORDSETS USE SJOW CORD



### Super Safeway® Molded Cordsets

			MOLDED Y CORDSET		MOLD	ED W CORDSET			
CONFIGURATION		VOLTAGE	STANDARD	WITH IN-LINE GFCI	STANDARD	WITH IN-LINE GFCI <sup>1</sup>			
NEMA 5-20	(î)	125V	1433-Y	1433-Y-IN	1433-W	1433-W-IN			
NEMA L5-20	(i) (i)	125V	2647-Y	2647-Y-IN	2647-W	2647-W-IN			

<sup>&</sup>lt;sup>1</sup> IN-LINE GFCI CORDSETS USE SJOW CORD.



- 125V/250V 3-Pole, 3-Wire Non-NEMA
- 250V Grounding Tab 3-Pole, 3-Wire Non-NEMA Locking
- 120V/208V 4-Pole, 4-Wire Non-NEMA Locking
- 20A/250V, 10A/600V 4-Pole, 5-Wire Non-NEMA Locking

Watertite® devices set the standard for the roughest, wettest and most abrasive of environments. When properly mated with corresponding connectors, Watertite® devices form an enclosure that meets the requirements of NEMA Type 4, 4X, 6 and 6P, IP65, 66 and 67, and can resist high-pressure hose-down up to 1,000 psi. Additional features include: Unique multiple ring seal that locks snugly, protecting against moisture and contaminants, sturdy compression-type cord grip that provides 205 lbs. of pull-out strength, and a protective closure cap that seals the connector when it is not in use. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

### Configurations

Non-NEMA



Non-NEMA Locking



Non-NEMA Locking



Non-NEMA Locking





# Watertite® Plugs and Connectors

CONFIGURATION	VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1,2	CONNECTOR PART NO. <sup>1,2</sup>	CORD GRIP BODY SIZE
NON-NEMA OO	125/250V	•	26W08	27W08	F3 ¾"
NON-NEMA LOCKING 🔾	250V GRNDING TAB	•	26W08G	27W08G	F3 ¾"
Non-Nema Locking 🔘 🛈	120/208V	•	26W09	27W09	F4 1"
NON-NEMA LOCKING @@	20A/250V. 10A/600V	•	26W10	27W10	F4 1"

<sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.

WATERTITE® RECEPTACLES AVAILABLE (SEE PAGE 82)

PREMADE CORDSETS AVAILABLE (SEE PAGE 83)



<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER WATERTITE® DEVICES IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NUMBER.

- 125V/250V 3-Pole, 3-Wire Non-NEMA
- 250V Grounding Tab 3-Pole, 3-Wire Non-NEMA Locking
- 120V/208V 4-Pole, 4-Wire Non-NEMA Locking
- 20A/250V, 10A/600V 4-Pole, 5-Wire Non-NEMA Locking

Designed for rugged industrial and commercial use, Super-Safeway® devices share some of the advanced design features of their Watertite® counterparts. Their durable rubber housing resists heat, oil, impact, and chemicals. A patented selfcentering cord clamp provides superior strain-relief for a range of cable sizes while speed screws aid in quick assembly of these dead-front back-wired devices pioneered by Woodhead. New Safeway+® wiring devices feature a 3-piece rubberizednylon assembly that locks the device together with just two screws for quick, easy assembly while providing durability and protection with a rubber-coated nylon design. Safeway® nylon plugs and connectors are Woodhead's economical solution for industrial and commercial applications. Product photos are intended to show device style only and are not intended to reflect indicated configurations.





### Super-Safeway® Plugs and Connectors

CONFIGURATION	VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1,2	CONNECTOR PART NO. <sup>1,2</sup>
NON-NEMA	125/250V	•	2608	2708
NON-NEMA LOCKING (C)	250V GRNDING TAB	•	2608G	2708G
NON-NEMA LOCKING 🔘 🔾	120/208V	•	2609	2709
NON-NEMA LOCKING	20A/250V, 10A/600V	•	2610	2710





# Safeway® Plugs and Connectors3

CONFIGURATION	VOLTAGE	LOCKING BLADE (L)	PLUG PART NO.1	CONNECTOR PART NO.1
NON-NEMA	125/250V	•	26T08	27T08
NON-NEMA LOCKING (C):(C)	250V GRNDING TAB	•	26T08G	27T08G
NON-NEMA LOCKING 🔘 🔾	120/208V	•	26T09	27T09
NON-NEMA LOCKING @ @	20A/250V, 10A/600V	•	26T10	27T10

<sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.

<sup>3</sup> TO ORDER SAFEWAY® DEVICE IN YELLOW ADD A "YL" SUFFIX TO THE WOODHEAD PART NO.



<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER SUPER-SAFEWAY® DEVICES IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NUMBER.

### 20 AMP RECEPTACLES

- 125V/250V 3-Pole, 3-Wire Non-NEMA
- 250V Grounding Tab 3-Pole, 3-Wire Non-NEMA Locking
- 120V/208V 4-Pole, 4-Wire Non-NEMA Locking
- 20A/250V, 10A/600V 4-Pole, 5-Wire Non-NEMA Locking

Woodhead meets your receptacle needs head-on. Single, duplex or motor-base receptacles for wet abusive environments are covered by Watertite® product solutions while general industrial applications are well served by nylon Safeway® receptacles. Watertite® receptacles feature spring-loaded flip lid covers with built-in lock-out/tag-out capabilities and the patented triple seal for the best in wet-location protection. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

### Configurations

Non-NEMA



Non-NEMA Locking



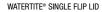
Non-NEMA Lockina



Non-NEMA Locking









WATERTITE® FLIP LID W/ MALE RECEPTACLE



WATERTITE® CONNECTOR FOR FLIP LID W/ MALE RECEPTACLE

### Watertite® Receptacles with Flip Coverplates

CONFIGURATION		VOLTAGE	LOCKING BLADE (L)	SINGLE FLIP LID	FLIP LID WITH MALE RECEPTACLE	CONNECTOR FOR FLIP LID WITH MALE RECEPTACLE
NON-NEMA	00	125/250V	•	67W08	66W08	27W08MB
NON-NEMA LOCKING	0,0	125/250V GRNDING TAB	•	l —	—	27W08G0B
NON-NEMA LOCKING	00	120/208V	•	67W09	66W09	27W09MB
NON-NEMA LOCKING	<b>00</b>	20A/250V, 10A/600V	•	67W10	66W10	27W10MB







SAFEWAY® FLANGED RECEPTACLE

# Safeway® Receptacles and Inlets

CONFIGURATION		VOLTAGE	LOCKING BLADE (L)	FLANGED INLET	FLANGED RECEPTACLE
NON-NEMA	$\mathbb{O}\mathbb{O}$	125/250V	•	2608MB	2708MB
NON-NEMA LOCKING		125/250V GRNDING TAB	•	_	_
NON-NEMA LOCKING	00	120/208V	•	2609MB	2709MB
NON-NEMA LOCKING	<b>©</b>	20A/250V, 10A/600V	•	2610MB	2710MB



### **20 AMP CORDSETS**

- 125V/250V 3-Pole, 3-Wire Non-NEMA
- 120V/208V 4-Pole, 4-Wire Non-NEMA Locking

Factory pre-made Watertite® or Super-Safeway® cordsets are made from heavy-duty SOW cord and the appropriate connector bodies that fit your environment. Product photos are intended to show style only and are not intended to reflect indicated configurations.



### Watertite® Cordsets

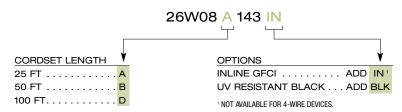
CONFIGURAT	ION	VOLTAGE	14-GAUGE SOW CORDSETS	12-GAUGE SOW CORDSETS
NON-NEMA	00	125/250V	26W08_143	26W08_123
NON-NEMA LOCKING	00	120/208V	26W09_144	26W09_124

### Super-Safeway® Cordsets

CONFIGURATION		VOLTAGE	14-GAUGE SOW CORDSETS	12-GAUGE SOW CORDSETS	
NON-NEMA	00	125/250V	2608_143	2608_123	
NON-NEMA LOCKING	00	120/208V	2609_144	2609_124	



Cordset Options: Use the following chart to modify your part's specifications. 12 & 14 gauge GFCI cordsets use SJOW cord.







- 250V 2-Pole, 3-Wire NEMA 6-20 / NEMA L6-20
- 277V 2-Pole, 3-Wire NEMA L7-20

Watertite® devices set the standard for the roughest, wettest and most abrasive of environments. When properly mated with corresponding connectors, Watertite® devices form an enclosure that meets the requirements of NEMA Type 4, 4X, 6 and 6P, IP65, 66 and 67, and can resist high-pressure hose-down up to 1,000 psi. Additional features include: Unique multiple ring seal that locks snugly, protecting against moisture and contaminants, sturdy compression-type cord grip that provides 205 lbs. of pull-out strength, and a protective closure cap that seals the connector when it is not in use. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

#### Configurations

NEMA 6-20



NEMA L6-20 (2)



NEMA L7-20 (





# Watertite® Plugs and Connectors

CONFIGURA	TION	VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1,2	CONNECTOR PART NO. <sup>1, 2</sup>	CORD GRIP BODY SIZE				
NEMA 6-20	<b>⊕</b> €	250V		14W48	15W48	F2 ½"				
NEMA L6-20	٠	250V	•	26W48	27W48	F3 ¾"				
NEMA L7-20	<b>(2)(2)</b>	277V	•	26W49	27W49	F3 ¾"				

<sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.

WATERTITE® RECEPTACLES AVAILABLE (SEE PAGE 86)

PREMADE CORDSETS AVAILABLE (SEE PAGE 87)



<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER WATERTITE® DEVICES IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NUMBER.

- 250V 2-Pole, 3-Wire NEMA 6-20 / NEMA L6-20
- 277V 2-Pole, 3-Wire NEMA L7-20

Designed for rugged industrial and commercial use, Super-Safeway® devices share some of the advanced design features of their Watertite® counterparts. Their durable rubber housing resists heat, oil, impact, and chemicals. A patented self-centering cord clamp provides superior strain-relief for a range of cable sizes while speed screws aid in quick assembly of these deadfront back-wired devices pioneered by Woodhead. New Safeway+® wiring devices feature a 3-piece rubberized-nylon assembly that locks the device together with just two screws for quick, easy assembly while providing durability and protection with a rubber-coated nylon design. Safeway® nylon plugs and connectors are Woodhead's economical solution for industrial and commercial applications. Product photos are intended to show device style only and are not intended to reflect indicated configurations.





### Super-Safeway® Plugs and Connectors

CONFIGURA	TION	VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1,2	CONNECTOR PART NO. <sup>1, 2</sup>
NEMA 6-20	<b>⊕</b> €	250V		1448	1548
NEMA L6-20	⊕⊙	250V	•	2648	2748
NEMA L7-20	© C	277V	•	2649	2749







# Safeway® Plugs and Connectors3

CONFIGURA	TION	VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1	CONNECTOR PART NO.1
NEMA 6-20	<b>⊕</b> €	250V		5466	5469
NEMA L6-20	٠	250V	•	26T48	27T48
NEMA L7-20	<b>(2)(2)</b>	277V	•	26T49	27T49

<sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.



<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER SUPER-SAFEWAY® DEVICES IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NUMBER.

<sup>&</sup>lt;sup>3</sup> TO ORDER SAFEWAY® DEVICE IN YELLOW ADD A "YL" SUFFIX TO THE WOODHEAD PART NO.

#### 20 AMP RECEPTACLES

- 250V 2-Pole, 3-Wire NEMA 6-20 / NEMA L6-20
- 277V 2-Pole, 3-Wire NEMA L7-20

Woodhead meets your receptacle needs head-on. Single, duplex or motor-base receptacles for wet abusive environments are covered by Watertite® product solutions while general industrial applications are well served by nylon Safeway® receptacles. Watertite® receptacles feature spring-loaded flip lid covers with built-in lock-out/tag-out capabilities and the patented triple seal for the best in wet-location protection. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

### Configurations

**NEMA 6-20** 



NEMA L6-20 (\*)

NEMA L7-20















WATERTITE® CONNECTOR FOR FLIP LID W/ MALE RECEPTACLE

WATERTITE® SINGLE FLIP LID

# Watertite® Receptacles with Flip Coverplates

WATERTITE® DUPLEX FLIP LID

CONFIGURATION		VOLTAGE	LOCKING BLADE (L)	SINGLE FLIP LID	DUPLEX FLIP LID	FLIP LID WITH MALE RECEPTACLE	CONNECTOR FOR FLIP LID WITH MALE RECEPTACLE
NEMA 6-20	<b>⊕</b> €	250V		60W48	60W48DPLX	59W48	15W48MB
NEMA L6-20	**	250V	•	67W48	_	66W48	27W48MB
NEMA L7-20	<b>(2)(2)</b>	277V	•	67W49	_	66W49	27W49MB

# Watertite® Pigtail Outlet

CONFIGURA	TION	VOLTAGE	OUTLET PART NO.
NEMA 6-20	(°)(°)	250V	648









SAFEWAY® FLANGED INLET

SAFEWAY® FLANGED RECEPTACLES

SAFEWAY® DUPLEX RECEPTACLE

SAFEWAY® SINGLE RECEPTACLE

# Safeway® Receptacles and Inlets

						SINGLE RECEPTACLE	DUPLEX RECEPTACLE	
			LOCKING	FLANGED	FLANGED	HEAVY DUTY,		
CONFIGUR	ATION	VOLTAGE	BLADE (L)	INLET	RECEPTACLE	SPEC GRADE <sup>1,2</sup>	SPEC GRADE <sup>3</sup>	HEAVY DUTY <sup>3</sup>
NEMA 6-20	<b>⊕</b> €	250V		1448MB	1548MB	_	5452DW	5462DW
NEMA L6-20	♡⊙	250V	•	2648MB	2748MB	4748	_	_
NEMA L7-20	(D)(C)	277V	•	2649MB	2749MB	4749	_	_

<sup>1</sup> STANDARD COLOR IS BLACK

<sup>&</sup>lt;sup>3</sup> STANDARD COLOR IS BROWN

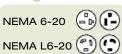


MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269. WATERTITE® PLUGS AND CONNECTORS AVAILABLE (SEE PAGE 84)

<sup>&</sup>lt;sup>2</sup> FOR CORROSION-RESISTANT RECEPTACLE, ADD "CR" SUFFIX TO THE PART NO. (E.G. 4949CR)

#### Configurations

NEMA L7-20 (%)



### 20 AMP CORDSETS & SPECIALTY CORDSETS

• 250V - 2-Pole, 3-Wire - NEMA 6-20 / NEMA L6-20 • 277V - 2-Pole, 3-Wire - NEMA L7-20

Factory pre-made Watertite® or Super-Safeway® cordsets are made from heavy-duty SOW cord and the appropriate connector bodies that fit your environment. Product photos are intended to show style only and are not intended to reflect indicated configurations.

### Watertite® Cordsets

CONFIGU	RATION	VOLTAGE	14-GAUGE SOW CORDSETS	12-GAUGE SOW CORDSETS
NEMA 6-20	<b>⊕</b> €	250V	14W48_143	14W48_123
NEMA L6-20	©:	250V	26W48_143	26W48_123
NEMA L7-20	<b>©</b> C	277V	26W49_143	26W49_123

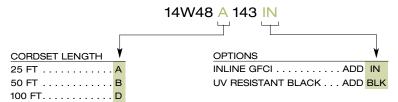


### Super-Safeway® Cordsets

CONFIGU	RATION	VOLTAGE	14-GAUGE SOW CORDSETS	12-GAUGE SOW CORDSETS
NEMA 6-20	⊕	250V	1448_143	1448_123
NEMA L6-20	©	250V	2648_143	2648_123
NEMA L7-20	٧:	277V	2649_143	2649_123



Cordset Options: Use the following chart to modify your part's specifications. 12 & 14 gauge GFCI cordsets use SJOW cord.









WATERTITE® MOLDED W CORDSET



MOLDED Y CORDSET



MOLDED W CORDSET

#### Watertite® Molded Cordsets

			MOLDED Y CORDSET		MOLDED W CORDSET	
CONFIGURATION VO		VOLTAGE	STANDARD	WITH IN-LINE GFCI <sup>1</sup>	STANDARD	WITH IN-LINE GFCI <sup>1</sup>
NEMA 6-20	<b>⊕</b>	250V	14W48-Y	14W48-Y-IN	14W48-W	14W48-W-IN

### Super Safeway® Molded Cordsets

		MOLDI	ED Y CORDSET	MOLDED W CORDSET		
CONFIGURATION		VOLTAGE	STANDARD	WITH IN-LINE GFCI <sup>1</sup>	STANDARD	WITH IN-LINE GFCI <sup>1</sup>
NEMA 6-20	⊕	250V	1448-Y	1448-Y-IN	1448-W	1448-W-IN

<sup>1</sup> IN-LINE GFCI CORDSETS USE SJOW CORD.





- 125V/250V 3-Pole, 4-Wire NEMA L14-20
- 250V 3-Pole, 4-Wire, 3ø NEMA L15-20
- 480V 3-Pole, 4-Wire, 3ø- NEMA L16-20

Watertite® devices set the standard for the roughest, wettest and most abrasive of environments. When properly mated with corresponding connectors, Watertite® devices form an enclosure that meets the requirements of NEMA Type 4, 4X, 6 and 6P, IP65, 66 and 67, and can resist high-pressure hose-down up to 1,000 psi. Additional features include: Unique multiple ring seal that locks snugly, protecting against moisture and contaminants, sturdy compression-type cord grip that provides 205 lbs. of pull-out strength, and a protective closure cap that seals the connector when it is not in use. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

### Configurations

NEMA L14-20 (1)



NEMA L15-20 (1)

NEMA L16-20 ( )



# Watertite® Plugs and Connectors

CONFIGURATION		VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1,2	CONNECTOR PART NO. <sup>1,2</sup>	CORD GRIP BODY SIZE
	00	125V/250V	•	26W74	27W74	F3 ¾"
NEMA L15-20	) <b>⊙</b>	250V, 3ø	•	26W75	27W75	F3 ¾"
NEMA L16-20 ©	)⊙	480V, 3ø	•	26W76	27W76	F3 ¾"

FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.

WATERTITE® RECEPTACLES AVAILABLE (SEE PAGE 90)

PREMADE CORDSETS AVAILABLE (SEE PAGE 91)



<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER WATERTITE® DEVICES IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NUMBER.

- 125V/250V 3-Pole, 4-Wire NEMA L14-20
  - 250V 3-Pole, 4-Wire, 3Ø NEMA L15-20
  - 480V 3-Pole, 4-Wire, 3Ø NEMA L16-20

Designed for rugged industrial and commercial use, Super-Safeway<sup>®</sup> devices share some of the advanced design features of their Watertite® counterparts. Their durable rubber housing resists heat, oil, impact, and chemicals. A patented selfcentering cord clamp provides superior strain-relief for a range of cable sizes while speed screws aid in quick assembly of these dead-front back-wired devices pioneered by Woodhead. New Safeway+® wiring devices feature a 3-piece rubberizednylon assembly that locks the device together with just two screws for quick, easy assembly while providing durability and protection with a rubber-coated nylon design. Safeway® nylon plugs and connectors are Woodhead's economical solution for industrial and commercial applications. Product photos are intended to show device style only and are not intended to reflect indicated configurations.





SUPER-SAFEWAY® CONNECTOR

### Super-Safeway® Plugs and Connectors

CONFIGURATION		VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1,2	CONNECTOR PART NO. <sup>1, 2</sup>
NEMA L14-20	<b>©</b>	125V/250V	•	2674	2774
NEMA L15-20	<b>:</b>	250V, 3ø	•	2675	2775
NEMA L16-20	⊕⊙	480V, 3ø	•	2676	2776





# Safeway® Plugs and Connectors³

CONFIGURATION		VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1	CONNECTOR PART NO.1
NEMA L14-20	<b>O</b>	125V/250V	•	26T74	27T74
NEMA L15-20	<b>@@</b>	250V, 3ø	•	26T75	27T75
NEMA L16-20	⊕⊙	480V, 3ø	•	26T76	27T76

<sup>&</sup>lt;sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.

<sup>3</sup> TO ORDER SAFEWAY® DEVICE IN YELLOW ADD A "YL" SUFFIX TO THE WOODHEAD PART NO.



<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER SUPER-SAFEWAY® DEVICES IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NUMBER.

### **20 AMP RECEPTACLES**

- 125V/250V 3-Pole, 4-Wire NEMA L14-20
- 250V 3-Pole, 4-Wire, 3ø NEMA L15-20
- 480V 3-Pole, 4-Wire, 3ø NEMA L16-20

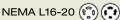
Woodhead meets your receptacle needs head-on. Single, duplex or motor-base receptacles for wet abusive environments are covered by Watertite® product solutions while general industrial applications are well served by nylon Safeway® receptacles. Watertite® receptacles feature spring-loaded flip lid covers with built-in lock-out/tag-out capabilities and the patented triple seal for the best in wet-location protection. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

### Configurations

NEMA L14-20 (🖫



NEMA L15-20 ()









WATERTITE® FLIP LID W/ MALE RECEPTACLE



WATERTITE® CONNECTOR FOR FLIP LID W/ MALE RECEPTACLE

### Watertite® Receptacles with Flip Coverplates

CONFIGURA	TION	VOLTAGE	LOCKING BLADE (L)	SINGLE FLIP LID	FLIP LID WITH MALE RECEPTACLE	CONNECTOR FOR FLIP LID WITH MALE RECEPTACLE
NEMA L14-20	00	125V/250V	•	67W74	66W74	27W74MB
NEMA L15-20	<b>©</b>	250V, 3ø	•	67W75	66W75	27W75MB
NEMA L16-20	© 😯	480V, 3ø	•	67W76	66W76	27W76MB



SAFEWAY® FLANGED INLET



SAFEWAY® FLANGED RECEPTACLE



SAFEWAY® SINGLE RECEPTACLE

# Safeway® Receptacles and Inlets

CONFIGURAT	TION	VOLTAGE	LOCKING Blade (L)	FLANGED RECEPTACLE	FLANGED RECEPTACLE	SINGLE RECEPTACLE 1
NEMA L14-20	00	125V/250V	•	2674MB	2774MB	4774
NEMA L15-20	00	250V, 3ø	•	2675MB	2775MB	4775
NEMA L16-20	© 😯	480V, 3ø	•	2676MB	2776MB	4776

<sup>1</sup> FOR CORROSION-RESISTANT RECEPTACLE ADD "CR" SUFFIX TO THE WOODHEAD PART NO.



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269. WATERTITE® PLUGS AND CONNECTORS AVAILABLE (SEE PAGE 88)

#### **20 AMP CORDSETS**

- 125V/250V 3-Pole, 4-Wire NEMA L14-20
  - 250V 3-Pole, 4-Wire, 3ø NEMA L15-20
  - 480V 3-Pole, 4-Wire, 3ø NEMA L16-20

Factory pre-made Watertite® or Super-Safeway® cordsets are made from heavy-duty SOW cord and the appropriate connector bodies that fit your environment. Product photos are intended to show style only and are not intended to reflect indicated configurations.



### Watertite® Cordsets

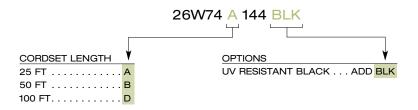
CONFIGUR	ATION	VOLTAGE	14-GAUGE SOW CORDSETS	12-GAUGE SOW CORDSETS
NEMA L14-20	© <b>③</b>	125V/250V	26W74_144	26W74_124
NEMA L15-20	<b>:</b>	250V, 3ø	26W75_144	26W75_124
NEMA L16-20	<b>©</b>	480V, 3ø	26W76_144	26W76_124

### Super-Safeway® Cordsets

•	-			
CONFIGUR	ATION	VOLTAGE	16-GAUGE SOW CORDSETS	14-GAUGE SOW CORDSETS
NEMA L14-20	<b>© ⊙</b>	125V/250V	2674_144	2674_124
NEMA L15-20	⊕ ⊙	250V, 3ø	2675_144	2675_124
NEMA L16-20	⊕⊕	480V, 3ø	2676_144	2676_124



**Cordset Options:** Use the following chart to modify your part's specifications.







### 20 AMP/3 PHASE PLUGS AND CONNECTORS

- 120V/208V 4-Pole, 5-Wire, 3ø NEMA L21-20
- 277V/480V 4-Pole, 5-Wire, 3ø NEMA L22-20
- 347V/600V 4-Pole, 5-Wire, 3ø NEMA L23-20

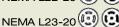
Watertite® devices set the standard for the roughest, wettest and most abrasive of environments. When properly mated with corresponding connectors, Watertite® devices form an enclosure that meets the requirements of NEMA Type 4, 4X, 6 and 6P, IP65, 66 and 67, and can resist high-pressure hose-down up to 1,000 psi. Additional features include: unique multiple ring seal that locks snugly, protecting against moisture and contaminants, sturdy compression-type cord grip that provides 205 lbs. of pull-out strength, and a protective closure cap that seals the connector when it is not in use. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

#### Configurations

NEMA L21-20 📳



NEMA L22-20





### Watertite® Plugs and Connectors

CONFIGURAT	ION	VOLTAGE	LOCKING BLADE (L)	PLUG PART NO.1,2	CONNECTOR PART NO. <sup>1,2</sup>	CORD GRIP BODY SIZE
NEMA L21-20	<b>@</b>	120/208V, 3ø	•	26W81	27W81	F3 ¾"
NEMA L22-20	00	277/480V, 3ø	•	26W82	27W82	F3 ¾"
NEMA L23-20	00	347/600V, 3ø	•	26W83	27W83	F3 ¾"

<sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.

WATERTITE® RECEPTACLES AVAILABLE (SEE PAGE 94)

PREMADE CORDSETS AVAILABLE (SEE PAGE 95)



<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER WATERTITE® DEVICES IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NO.

### 20 AMP/3 PHASE PLUGS AND CONNECTORS

- 120V/208V 4-Pole, 5-Wire, 3ø NEMA L21-20
- 277V/480V 4-Pole, 5-Wire, 3ø NEMA L22-20
- 347V/600V 4-Pole, 5-Wire, 3ø NEMA L23-20

Designed for rugged industrial and commercial use, Super-Safeway® devices share some of the advanced design features of their Watertite® counterparts. Their durable rubber housing resists heat, oil, impact, and chemicals. A patented self-centering cord clamp provides superior strain-relief for a range of cable sizes while speed screws aid in quick assembly of these deadfront back-wired devices pioneered by Woodhead. Safeway® nylon plugs and connectors are Woodhead's economical solution for industrial and commercial applications. Product photos are intended to show device style only and are not intended to reflect indicated configurations.







### Super-Safeway® Plugs and Connectors

CONFIGURATION	VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1,2	CONNECTOR PART NO. <sup>1, 2</sup>
NEMA L21-20	120/208V, 3ø	•	2681	2781
NEMA L22-20	277/480V, 3ø	•	2682	2782
NEMA L23-20	347/600V, 3ø	•	2683	2783





SAFEWAY® CONNECTOR

# Safeway® Plugs and Connectors3

CONFIGURA	TION	VOLTAGE	LOCKING BLADE (L)	PLUG PART NO.1	CONNECTOR PART NO.1
NEMA L21-20	€	120/208V, 3ø	•	26T81	27T81
NEMA L22-20	00	277/480V, 3ø	•	26T82	27T82
NEMA L23-20	<b>© ©</b>	347/600V, 3ø	•	26T83	27T83

<sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.





<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER SUPER-SAFEWAY® DEVICES IN UV RESISTANT BLACK, ADD "BLK" TO THE END OF THE PART NO.

<sup>3</sup> TO ORDER SAFEWAY® DEVICE IN YELLOW ADD A "YL" SUFFIX TO THE WOODHEAD PART NO.

### 20 AMP/3 PHASE RECEPTACLES

- 120V/208V 4-Pole, 5-Wire, 3ø NEMA L21-20
- 277V/480V 4-Pole, 5-Wire, 3ø NEMA L22-20
- 347V/600V 4-Pole, 5-Wire, 3ø NEMA L23-20

Woodhead meets your receptacle needs head-on. Single, duplex or motor-base receptacles for wet abusive environments are covered by Watertite® product solutions while general industrial applications are well served by nylon Safeway® receptacles. Watertite® receptacles feature spring-loaded flip lid covers with built-in lock-out/tag-out capabilities and the patented triple seal for the best in wet-location protection. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

### Configurations

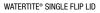
NEMA L21-20 (📳



NEMA L22-20









WATERTITE® FLIP LID W/ MALE RECEPTACLE



WATERTITE® CONNECTOR FOR FLIP LID W/ MALE RECEPTACLE

## Watertite® Receptacles with Flip Coverplates

CONFIGURA	TION	VOLTAGE	LOCKING BLADE (L)	SINGLE FLIP LID	FLIP LID WITH MALE RECEPTACLE	CONNECTOR FOR FLIP LID WITH MALE RECEPTACLE
NEMA L21-20	<b>®</b>	120/208V, 3ø	•	67W81	66W81	27W81MB
NEMA L22-20	00	277/480V, 3ø	•	67W82	66W82	27W82MB
NEMA L23-20	<b>©</b>	347/600V, 3ø	•	67W83	66W83	27W83MB







SAFEWAY® FLANGED RECEPTACLES

# Safeway® Receptacles and Inlets

CONFIGURA		VOLTAGE	LOCKING Blade (L)	FLANGED INLET	FLANGED RECEPTACLES
NEMA L21-20	֎•	120/208V, 3ø	•	2681MB	2781MB
NEMA L22-20	00	277/480V, 3ø	•	2682MB	2782MB
NEMA L23-20	00	347/600V, 3ø	•	2683MB	2783MB



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS.
FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

WATERTITE PLUGS &
CONNECTORS AVAILABLE
(SEE PAGE 92)

### 20 AMP 3 PHASE CORDSETS

- 120V/208V 4-Pole, 5-Wire, 3ø NEMA L21-20
- 277V/480V 4-Pole, 5-Wire, 3ø NEMA L22-20
- 347V/600V 4-Pole, 5-Wire, 3ø NEMA L23-20

Factory pre-made Watertite® or Super-Safeway® cordsets are made from heavy-duty SOW cord and the appropriate connector bodies that fit your environment. Product photos are intended to show style only and are not intended to reflect indicated configurations.



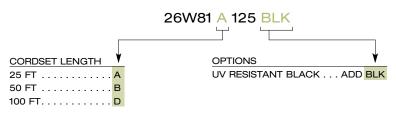
CONFIGUR		VOLTAGE	12-GAUGE SOW CORDSETS
NEMA L21-20	<b>⊕</b> •	120/208V, 3ø	26W81_125
NEMA L22-20	<b>@@</b>	277/480V, 3ø	26W82_125
NEMA L23-20	<b>00</b>	347/600V, 3ø	26W83_125

### Super-Safeway® Cordsets

CONFIGURATION	VOLTAGE	12-GAUGE SOW CORDSETS
NEMA L21-20	120/208V, 3ø	2681_125
NEMA L22-20	277/480V, 3ø	2682_125
NEMA L23-20	347/600V, 3ø	2683_125



**Cordset Options:** Use the following chart to modify your part's specifications.







- 125V 2-Pole, 3-Wire NEMA L5-30
- 250V 2-Pole, 3-Wire NEMA L6-30
- 277V 2-Pole, 3-Wire NEMA L7-30

Watertite® devices set the standard for the roughest, wettest and most abrasive of environments. When properly mated with corresponding connectors, Watertite® devices form an enclosure that meets the requirements of NEMA Type 4, 4X, 6 and 6P, IP65, 66 and 67, and can resist high-pressure hose-down up to 1,000 psi. Additional features include: unique multiple ring seal that locks snugly, protecting against moisture and contaminants, sturdy compression-type cord grip that provides 205 lbs. of pull-out strength, and a protective closure cap that seals the connector when it is not in use. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

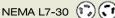
### Configurations

NEMA L5-30 (\*\*)



NEMA L6-30 (







# Watertite® Plugs and Connectors

CONFIGURATIO	N	VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1,2	CONNECTOR PART NO. <sup>1,2</sup>	CORD GRIP BODY SIZE
NEMA L5-30	<b>3</b>	125V	•	28W47	29W47	F4 1"
NEMA L6-30		250V	•	28W48	29W48	F4 1"
NEMA L7-30	$\odot$	277V	•	28W49	29W49	F4 1"

<sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.

WATERTITE® RECEPTACLES AVAILABLE (SEE PAGE 98)

PREMADE CORDSETS AVAILABLE (SEE PAGE 99)



<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER WATERTITE® DEVICES IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NUMBER.

- 125V 2-Pole, 3-Wire NEMA L5-30
- 250V 2-Pole, 3-Wire NEMA L6-30
- 277V 2-Pole. 3-Wire NEMA L7-30

Designed for rugged industrial and commercial use, Super-Safeway® devices share some of the advanced design features of their Watertite® counterparts. Their durable rubber housing resists heat, oil, impact, and chemicals. A patented self-centering cord clamp provides superior strain-relief for a range of cable sizes while speed screws aid in quick assembly of these deadfront back-wired devices pioneered by Woodhead. Safeway® nylon plugs and connectors are Woodhead's economical solution for industrial and commercial applications. Product photos are intended to show device style only and are not intended to reflect indicated configurations.





### Super-Safeway® Plugs and Connectors

•	-					
CONFIGUR	ATION	VOLTAGE	LOCKING BLADE (L)	PLUG PART NO.1,2	CONNECTOR PART NO. <sup>1, 2</sup>	
NEMA L5-30	⊕⊕	125V	•	2847	2947	
NEMA L6-30	٩	250V	•	2848	2948	
NEMA L7-30	© 😯	277V	•	2849	2949	





# Safeway® Plugs and Connectors3

CONFIGUR	ATION	VOLTAGE	LOCKING BLADE (L)	PLUG PART NO.1	CONNECTOR PART NO.2
NEMA L5-30	00	125V	•	28T47	29T47
NEMA L6-30	٩	250V	•	28T48	29T48
NEMA L7-30	© ①	277V	•	28T49	29T29

- <sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.
- <sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER SUPER-SAFEWAY® DEVICES IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NO.
- <sup>3</sup> TO ORDER SAFEWAY® DEVICE IN YELLOW ADD A "YL" SUFFIX TO THE WOODHEAD PART NO.





### **30 AMP RECEPTACLES**

- 125V 2-Pole, 3-Wire NEMA L5-30
- 250V 2-Pole, 3-Wire NEMA L6-30
- 277V 2-Pole, 3-Wire NEMA L7-30

Woodhead meets your receptacle needs head-on. Single, duplex or motor-base receptacles for wet abusive environments are covered by Watertite® product solutions while general industrial applications are well served by nylon Safeway® receptacles. Watertite® receptacles feature spring-loaded flip lid covers with built-in lock-out/tag-out capabilities and the patented triple seal for the best in wet-location protection. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

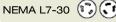
### Configurations

NEMA L5-30 (%)



NEMA L6-30 (











WATERTITE® FLIP LID W/ MALE RECEPTACLE



WATERTITE® CONNECTOR FOR FLIP LID W/ MALE RECEPTACLE

### Watertite® Receptacles with Flip Coverplates

					FLIP LID	CONNECTOR FOR
			LOCKING	SINGLE	WITH MALE	FLIP LID WITH
CONFIGURA	TION	VOLTAGE	BLADE (L)	FLIP LID	RECEPTACLE	MALE RECEPTACLE
NEMA L5-30	<b>O</b>	125V	•	69W47	68W47	29W47MB
NEMA L6-30	٠	250V	•	69W48	68W48	29W48MB
NEMA L7-30	$\odot$	277V	•	69W49	68W49	29W49MB







SAFEWAY® FLANGED RECEPTACLES



SAFEWAY® SINGLE RECEPTACLE

### Safeway® Receptacles and Inlets

CONFIGUR		VOLTAGE	LOCKING BLADE (L)	FLANGED INLET	FLANGED RECEPTACLES	SINGLE RECEPTACLE <sup>1</sup>
NEMA L5-30	<b>©</b>	125V	•	2847MB	2947MB	4947
NEMA L6-30		250V	•	2848MB	2948MB	4948
NEMA L7-30	© 😯	277V	•	2849MB	2949MB	4949

<sup>1</sup> FOR CORROSION RESISTANT RECEPTACLE, ADD "CR" SUFFIX TO PART NO.



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269. WATERTITE® PLUGS & CONNECTORS AVAILABLE (SEE PAGE 96)

### **30 AMP CORDSETS**

- 125V 2-Pole, 3-Wire NEMA L5-30
- 250V 2-Pole, 3-Wire NEMA L6-30
- 277V 2-Pole, 3-Wire NEMA L7-30

Factory pre-made Watertite® or Super-Safeway® cordsets are made from heavy-duty SOW cord and the appropriate connector bodies that fit your environment. Product photos are intended to show style only and are not intended to reflect indicated configurations.



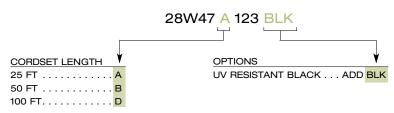
CONFIGU	RATION	VOLTAGE	12-GAUGE SOW CORDSETS	10-GAUGE SOW CORDSETS
NEMA L5-30	<b>®</b>	125V	28W47_123	28W47_103
NEMA L6-30	٩	250V	28W48_123	28W48_103
NEMA L7-30	$\odot$	277V	28W49_123	28W49_103

# Super-Safeway® Cordsets

CONFIGU	JRATION	VOLTAGE	12-GAUGE SOW CORDSETS	10-GAUGE SOW CORDSETS
NEMA L5-30	<b>©</b>	125V	2847_123	2847_103
NEMA L6-30	٩	250V	2848_123	2848_103
NEMA L7-30	© 🛈	277V	2849_123	2849_103



Cordset Options: Use the following chart to modify your part's specifications. 12 & 14 gauge GFCI cordsets use SJOW cord.







- 125V/250V 3-Pole, 3-Wire Non-NEMA Locking
- 120V/208V 4-Pole, 4-Wire Non-NEMA Locking

Watertite® devices set the standard for the roughest, wettest and most abrasive of environments. When properly mated with corresponding connectors, Watertite® devices form an enclosure that meets the requirements of NEMA Type 4, 4X, 6 and 6P, IP65, 66 and 67, and can resist high-pressure hose-down up to 1,000 psi. Additional features include: unique multiple ring seal that locks snugly, protecting against moisture and contaminants, sturdy compression-type cord grip that provides 205 lbs. of pull-out strength, and a protective closure cap that seals the connector when it is not in use. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

#### Configurations

Non-NEMA Locking



Non-NEMA Locking





# Watertite® Plugs and Connectors

CONFIGURATION	VOLTAGE	LOCKING Blade (L)	PLUG PART NO. <sup>1,2</sup>	CONNECTOR PART NO. <sup>1,2</sup>	CORD GRIP BODY SIZE		
NON-NEMA LOCKING QQ	125/250V	•	28W08	29W08	F4 1"		
NON-NEMA LOCKING (C) (C)	120/208V	•	28W09	29W09	F4 1"		

<sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.

WATERTITE® RECEPTACLES AVAILABLE (SEE PAGE 102)

PREMADE CORDSETS AVAILABLE (SEE PAGE 103)



<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER WATERTITE® DEVICES IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NUMBER.

- 125V/250V 3-Pole, 3-Wire Non-NEMA Locking
- 120V/208V 4-Pole, 4-Wire Non-NEMA Locking

Designed for rugged industrial and commercial use, Super-Safeway® devices share some of the advanced design features of their Watertite® counterparts. Their durable rubber housing resists heat, oil, impact, and chemicals. A patented self-centering cord clamp provides superior strain-relief for a range of cable sizes while speed screws aid in quick assembly of these deadfront back-wired devices pioneered by Woodhead. Safeway® nylon plugs and connectors are Woodhead's economical solution for industrial and commercial applications. Product photos are intended to show device style only and are not intended to reflect indicated configurations.





### Super-Safeway® Plugs and Connectors

CONFIGURATION	VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1,2	CONNECTOR PART NO. <sup>1, 2</sup>
NON-NEMA LOCKING (1)(C)	125/250V	•	2808	2908
NON-NEMA LOCKING ( )	120/208V	•	2809	2909





# Safeway® Plugs and Connectors3

CONFIGURATION	VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1	CONNECTOR PART NO.1
NON-NEMA LOCKING 🔘 🔾	125/250V	•	28T08	29T08
NON-NEMA LOCKING © ©	120/208V	•	28T09	29T09

<sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.



<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE. ORDER SUPER-SAFEWAY® DEVICES IN UV RESISTANT BLACK, ADD "BLK" TO THE END OF THE PART NO.

<sup>3</sup> TO ORDER SAFEWAY® DEVICE IN YELLOW ADD A "YL" SUFFIX TO THE WOODHEAD PART NO.

### 30 AMP PLUGS AND RECEPTACLES

- 125V/250V 3-Pole, 3-Wire Non-NEMA Locking
- 120V/208V 4-Pole, 4-Wire Non-NEMA Locking

Woodhead meets your receptacle needs head-on. Single, duplex or motor-base receptacles for wet abusive environments are covered by Watertite® product solutions while general industrial applications are well served by nylon Safeway® receptacles. Watertite® receptacles feature spring-loaded flip lid covers with built-in lock-out/tag-out capabilities and the patented triple seal for the best in wet-location protection. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

#### Configurations

Non-NEMA Locking



Non-NEMA Locking









WATERTITE® SINGLE FLIP LID

WATERTITE® FLIP LID
W/ MALE RECEPTACLE

WATERTITE® CONNECTOR FOR FLIP LID W/ MALE RECEPTACLE

### Watertite® Receptacles with Flip Coverplates

CONFIGURATION	VOLTAGE	LOCKING Blade (L)	SINGLE FLIP LID	FLIP LID WITH MALE RECEPTACLE	CONNECTOR FOR FLIP LID WITH MALE RECEPTACLE
NON-NEMA LOCKING 🔘 🗘	125/250V	•	69W08	68W08	29W08MB
NON-NEMA LOCKING © ©	120/208V	•	69W09	68W09	29W09MB





SAFEWAY® FLANGED INLET

SAFEWAY® FLANGED RECEPTACLES

### Safeway® Receptacles and Inlets

CONFIGURATION	VOLTAGE	LOCKING BLADE (L)	FLANGED INLET	FLANGED RECEPTACLES
NON-NEMA LOCKING 🔘 🔾	125/250V	•	2808MB	2908MB
NON-NEMA LOCKING	120/208V	•	2809MB	2909MB



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS.
FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

WATERTITE® PLUGS & CONNECTORS AVAILABLE (SEE PAGE 100)

### **30 AMP PLUGS AND CORDSETS**

- 125V/250V 3-Pole, 3-Wire Non-NEMA Locking
- 120V/208V 4-Pole, 4-Wire Non-NEMA Locking

Factory pre-made Watertite® or Super-Safeway® cordsets are made from heavy-duty SOW cord and the appropriate connector bodies that fit your environment. Product photos are intended to show style only and are not intended to reflect indicated configurations.



### Watertite® Cordsets

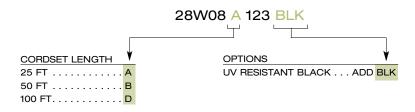
CONFIGURATION	VOLTAGE	12-GAUGE SOW CORDSETS	10-GAUGE SOW CORDSETS
NON-NEMA LOCKING ©©	125/250V	28W08_123	28W08_103
NON-NEMA LOCKING © ©	120/208V	28W09_124	28W09_104

### Super-Safeway® Cordsets

CONFIGURAT	rion	VOLTAGE	12-GAUGE SOW CORDSETS	10-GAUGE SOW CORDSETS
NON-NEMA LOCKING	00	125/250V	2808_123	2808_103
NON-NEMA LOCKING	00	120/208V	2809_124	2809_104



Cordset Options: Use the following chart to modify your part's specifications. 12 & 14 gauge GFCI cordsets use SJOW cord.







- 125V/250V 3-Pole, 4-Wire NEMA L14-30
- 250V 3-Pole, 4-Wire, 3ø NEMA L15-30
- 480V 3-Pole, 4-Wire, 3ø NEMA L16-30
- 600V 3-Pole, 4-Wire, 3ø NEMA L17-30

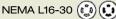
Watertite® devices set the standard for the roughest, wettest and most abrasive of environments. When properly mated with corresponding connectors, Watertite® devices form an enclosure that meets the requirements of NEMA Type 4, 4X, 6 and 6P, IP65, 66 and 67, and can resist high-pressure hose-down up to 1,000 psi. Additional features include: unique multiple ring seal that locks snugly, protecting against moisture and contaminants, sturdy compression-type cord grip that provides 205 lbs. of pull-out strength, and a protective closure cap that seals the connector when it is not in use. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

#### Configurations

NEMA L14-30 (🖫)



NEMA L15-30 ( )



NEMA L17-30 (1)





# Watertite® Plugs and Connectors

CONFIGURAT		VOLTAGE	LOCKING BLADE (L)	PLUG PART NO.1,2	CONNECTOR PART NO. <sup>1, 2</sup>	CORD GRIP BODY SIZE
NEMA L14-30	© ©	125V/250V	•	28W74	29W74	F4 1"
NEMA L15-30	<b>00</b>	250V, 3ø	•	28W75	29W75	F4 1"
NEMA L16-30	<b>:</b>	480V, 3ø	•	28W76	29W76	F4 1"
NEMA L17-30	<b>:</b>	600V, 3ø	•	28W77	29W77	F4 1"

<sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.

WATERTITE® RECEPTACLES AVAILABLE (SEE PAGE 106)

PREMADE CORDSETS AVAILABLE (SEE PAGE 107)



<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER WATERTITE® DEVICES IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NUMBER.

- 125V/250V 3-Pole, 4-Wire NEMA L14-30
  - 250V 3-Pole, 4-Wire, 3ø NEMA L15-30
  - 480V 3-Pole, 4-Wire, 3ø NEMA L16-30
  - 600V 3-Pole, 4-Wire, 3ø NEMA L17-30

Designed for rugged industrial and commercial use, Super-Safeway® devices share some of the advanced design features of their Watertite® counterparts, Their durable rubber housing resists heat, oil, impact, and chemicals. A patented self-centering cord clamp provides superior strain-relief for a range of cable sizes while speed screws aid in quick assembly of these dead-front back-wired devices pioneered by Woodhead. Safeway® nylon plugs and connectors are Woodhead's economical solution for industrial and commercial applications. Product photos are intended to show device style only and are not intended to reflect indicated configurations.





### Super-Safeway® Plugs and Connectors

CONFIGURATIO	ON	VOLTAGE	LOCKING Blade (L)	PLUG PART NO. <sup>1,3</sup>	CONNECTOR PART NO. <sup>1,3</sup>
NEMA L14-30	٠	125V/250V	•	2874	2974
NEMA L15-30	<b>:</b>	250V, 3ø	•	2875	2975
NEMA L16-30	٥	480V, 3ø	•	2876	2976
NEMA L17-30	<b>:</b>	600V, 3ø	•	2877	2977





# Safeway® Plugs and Connectors3

CONFIGURA		VOLTAGE	LOCKING Blade (L)	PLUG PART NO. <sup>1,2</sup>	CONNECTOR PART NO. <sup>1, 2</sup>
NEMA L14-30	<b>© ©</b>	125V/250V	•	28T74	29T74
NEMA L15-30	⊕⊕	250V, 3ø	•	28T75	29T75
NEMA L16-30	٠	480V, 3ø	•	28T76	29T76
NEMA L17-30	<b>00</b>	600V, 3ø	•	28T77	29T77

<sup>&</sup>lt;sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.

<sup>&</sup>lt;sup>3</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER SUPER-SAFEWAY® DEVICES IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NO.





<sup>&</sup>lt;sup>2</sup> TO ORDER SAFEWAY® DEVICE IN YELLOW ADD A "YL" SUFFIX TO THE WOODHEAD PART NO.

### **30 AMP RECEPTACLES**

- 125V/250V 3-Pole, 4-Wire NEMA L14-30
- 250V 3-Pole, 4-Wire, 3ø NEMA L15-30
- 480V 3-Pole, 4-Wire, 3ø NEMA L16-30
- 600V 3-Pole, 4-Wire, 3ø NEMA L17-30

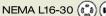
Woodhead meets your receptacle needs head-on. Single, duplex or motor-base receptacles for wet abusive environments are covered by Watertite® product solutions while general industrial applications are well served by nylon Safeway® receptacles. Watertite® receptacles feature spring-loaded flip lid covers with built-in lock-out/tag-out capabilities and the patented triple seal for the best in wet-location protection. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

### Configurations

NEMA L14-30



NEMA L15-30 ( )



NEMA L17-30 (1)







WATERTITE® SINGLE FLIP LID

WATERTITE® FLIP LID W/ MALE RECEPTACLE

WATERTITE® CONNECTOR FOR FLIP LID W/ MALE RECEPTACLE

### Watertite® Receptacles with Flip Coverplates

CONFIGURATION		VOLTAGE	LOCKING BLADE (L)	SINGLE FLIP LID	FLIP LID WITH MALE RECEPTACLE	CONNECTOR FOR FLIP LID WITH MALE RECEPTACLE
NEMA L14-30	٠	125V/250V	•	69W74	68W74	29W74MB
NEMA L15-30	<b>@</b>	250V, 3ø	•	69W75	68W75	29W75MB
NEMA L16-30	٥٠	480V, 3ø	•	69W76	68W76	29W76MB
NEMA L17-30	<b>:</b>	600V, 3ø	•	69W77	68W77	29W77MB







SAFEWAY® FLANGED RECEPTACLES

SAFEWAY® FLANGED RECEPTACLES

SAFEWAY® FLANGED RECEPTACLES

### Safeway® Receptacles and Inlets

CONFIGURATIO	N	VOLTAGE	LOCKING BLADE (L)	FLANGED INLET	FLANGED RECEPTACLES	SINGLE RECEPTACLE
NEMA L14-30	٩	125V/250V	•	2874MB	2974MB	4974
NEMA L15-30	$\odot$	250V, 3ø	•	2875MB	2975MB	4975
NEMA L16-30	٩	480V, 3ø	•	2876MB	2976MB	4976
NEMA L17-30	<b>(1) (2)</b>	600V, 3ø	•	2877MB	2977MB	_

 $<sup>^{\</sup>mbox{\tiny 1}}$  for Corrosion-resistant receptacle, add "CR" suffix to part number.



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER. SEE PAGES 262-269. WATERTITE® PLUGS &
CONNECTORS AVAILABLE
(SEE PAGE 104)

#### **30 AMP CORDSETS**

• 125V/250V - 3-Pole, 4-Wire - NEMA L14-30

• 250V - 3-Pole, 4-Wire, 3ø - NEMA L15-30

• 480V - 3-Pole, 4-Wire, 3ø - NEMA L16-30

• 600V - 3-Pole, 4-Wire, 3ø - NEMA L17-30

Factory pre-made Watertite® or Super-Safeway® cordsets are made from heavy-duty SOW cord and the appropriate connector bodies that fit your environment. Product photos are intended to show style only and are not intended to reflect indicated configurations.



#### Watertite® Cordsets

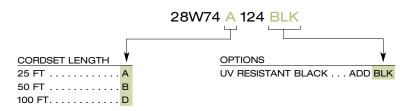
CONFIGU	RATION	VOLTAGE	12-GAUGE SOW CORDSETS	10-GAUGE SOW CORDSETS
NEMA L14-30	٠	125V/250V	28W74_124	28W74_104
NEMA L15-30	<b>@•</b>	250V, 3ø	28W75_124	28W75_104
NEMA L16-30	<b>©</b>	480V, 3ø	28W76_124	28W76_104
NEMA L17-30	<b>:</b>	600V, 3ø	28W77_124	28W77_104

## Super-Safeway® Cordsets

CONFIGU		VOLTAGE	12-GAUGE SOW CORDSETS	10-GAUGE SOW CORDSETS
NEMA L14-30	© ©	125V/250V	2874_124	2874_104
NEMA L15-30	<b>:</b>	250V, 3ø	2875_124	2875_104
NEMA L16-30	<b>:</b>	480V, 3ø	2876_124	2876_104
NEMA L17-30	<b>:</b>	600V, 3ø	2877_124	2877_104



**Cordset Options:** Use the following chart to modify your part's specifications.







#### 30 AMP/3 PHASE Y PLUGS AND CONNECTORS

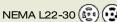
- 120V/208V 4-Pole, 5-Wire, 3ø NEMA L21-30
- 277V/480V 4-Pole, 5-Wire, 3ø NEMA L22-30
- 347V/600V 4-Pole, 5-Wire, 3ø NEMA L23-30

Watertite® devices set the standard for the roughest, wettest and most abrasive of environments. When properly mated with corresponding connectors, Watertite® devices form an enclosure that meets the requirements of NEMA Type 4, 4X, 6 and 6P, IP65, 66 and 67, and can resist high-pressure hose-down up to 1,000 psi. Additional features include: unique multiple ring seal that locks snugly, protecting against moisture and contaminants, sturdy compression-type cord grip that provides 205 lbs. of pull-out strength, and a protective closure cap that seals the connector when it is not in use. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

#### Configurations

NEMA L21-30 🥮





NEMA L23-30





## Watertite® Plugs and Connectors

CONFIGURATIO		VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1,2	CONNECTOR PART NO. <sup>1,2</sup>	CORD GRIP BODY SIZE
NEMA L21-30	֎•	120/208V, 3ø	•	28W81	29W81	F4 1"
NEMA L22-30	֎•	277/480V, 3ø	•	28W82	29W82	F4 1"
NEMA L23-30	<b>©</b>	347/600V, 3ø	•	28W83	29W83	F4 1"

<sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.

WATERTITE® RECEPTACLES AVAILABLE (SEE PAGE 110)

PREMADE CORDSETS AVAILABLE (SEE PAGE 111)



<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER WATERTITE® DEVICES IN UV RESISTANT BLACK, ADD "BLK" TO THE END OF THE PART NUMBER.

#### 30 AMP/3 PHASE Y PLUGS AND CONNECTORS

- 120V/208V 4-Pole, 5-Wire, 3ø NEMA L21-30
- 277V/480V 4-Pole, 5-Wire, 3ø NEMA L22-30
- 347V/600V 4-Pole, 5-Wire, 3ø NEMA L23-30

Designed for rugged industrial and commercial use, Super-Safeway® devices share some of the advanced design features of their Watertite® counterparts. Their durable rubber housing resists heat, oil, impact, and chemicals. A patented self-centering cord clamp provides superior strain-relief for a range of cable sizes while speed screws aid in quick assembly of these deadfront back-wired devices pioneered by Woodhead. Safeway® nylon plugs and connectors are Woodhead's economical solution for industrial and commercial applications. Product photos are intended to show device style only and are not intended to reflect indicated configurations.





#### Super-Safeway® Plugs and Connectors

CONFIGURATION		VOLTAGE	LOCKING BLADE (L)	PLUG PART NO.1,2	CONNECTOR PART NO. <sup>1, 2</sup>
NEMA L21-30	<b>©</b>	120/208V, 3ø	•	2881	2981
NEMA L22-30	<b>©</b>	277/480V, 3ø	•	2882	2982
NEMA L23-30	<b>®</b> ®	347/600V, 3ø	•	2883	2983







## Safeway® Plugs and Connectors3

CONFIGURATION		VOLTAGE	LOCKING Blade (L)	PLUG PART NO.1	CONNECTOR PART NO.1
NEMA L21-30	٠	120/208V, 3ø	•	28T81	29T81
NEMA L22-30	<b>©</b>	277/480V, 3ø	•	28T82	29T82
NEMA L23-30	33	347/600V, 3ø	•	28T83	29T83

<sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.

<sup>3</sup> TO ORDER SAFEWAY® DEVICE IN YELLOW ADD A "YL" SUFFIX TO THE WOODHEAD PART NO.





<sup>&</sup>lt;sup>2</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER SUPER-SAFEWAY® DEVICES IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NO.

#### 30 AMP/3 PHASE Y RECEPTACLES

- 120V/208V 4-Pole, 5-Wire, 3ø NEMA L21-30
- 277V/480V 4-Pole, 5-Wire, 3ø NEMA L22-30
- 347V/600V 4-Pole, 5-Wire, 3ø NEMA L23-30

Woodhead meets your receptacle needs head-on. Single, duplex or motor-base receptacles for wet abusive environments are covered by Watertite® product solutions while general industrial applications are well served by nylon Safeway® receptacles. Watertite® receptacles feature spring-loaded flip lid covers with built-in lock-out/tag-out capabilities and the patented triple seal for the best in wet-location protection. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

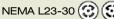
#### Configurations

NEMA L21-30 (\$3)



NEMA L22-30 ( ( )











WATERTITE® FLIP LID W/ MALE RECEPTACLE



WATERTITE® CONNECTOR FOR FLIP LID W/ MALE RECEPTACLE

## Watertite® Receptacles with Flip Coverplates

CONFIGURATION		VOLTAGE	LOCKING Blade (L)	SINGLE FLIP LID	FLIP LID WITH MALE RECEPTACLE	CONNECTOR FOR FLIP LID WITH MALE RECEPTACLE
NEMA L21-30	٠	120/208V, 3ø	•	69W81	68W81	29W81MB
NEMA L22-30	◎ ◎	277/480V, 3ø	•	69W82	68W82	29W82MB
NEMA L23-30	<b>©</b>	347/600V, 3ø	•	69W83	68W83	29W83MB







SAFEWAY® FLANGED INLET

## Safeway® Receptacles and Inlets

CONFIGURATION		VOLTAGE	LOCKING Blade (L)	FLANGED INLET	FLANGED RECEPTACLES
NEMA L21-30	٠	120/208V, 3ø	•	2881MB	2981MB
NEMA L22-30	⊕ 😟	277/480V, 3ø	•	2882MB	2982MB
NEMA L23-30	33	347/600V, 3ø	•	2883MB	2983MB



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS.
FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

WATERTITE® PLUGS & CONNECTORS AVAILABLE (SEE PAGE 108)

#### 30 AMP/3 PHASE Y WIRE CORDSETS

- 120V/208V 4-Pole, 5-Wire, 3ø NEMA L21-30
- 277V/480V 4-Pole, 5-Wire, 3ø NEMA L22-30
- 347V/600V 4-Pole, 5-Wire, 3ø NEMA L23-30

Factory pre-made Watertite® or Super-Safeway® cordsets are made from heavy-duty SOW cord and the appropriate connector bodies that fit your environment. Product photos are intended to show style only and are not intended to reflect indicated configurations.



#### Watertite® Cordsets

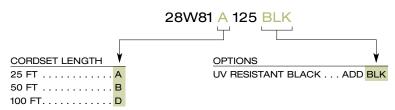
CONFIGU	RATION	VOLTAGE	12-GAUGE SOW CORDSETS	10-GAUGE SOW CORDSETS
NEMA L21-30	Ѿ	120/208V, 3ø	28W81_125	28W81_105
NEMA L22-30	⊕ 😟	277/480V, 3ø	28W82_125	28W82_105
NEMA L23-30	<b>®</b>	347/600V, 3ø	28W83_125	28W83_105



### Super-Safeway® Cordsets

CONFIG	JRATION	VOLTAGE	12-GAUGE SOW CORDSETS	10-GAUGE SOW CORDSETS
NEMA L21-30	€ 😉	120/208V, 3ø	2881_125	2881_105
NEMA L22-30	⊕ ⊙	277/480V, 3ø	2882_125	2882_105
NEMA L23-30	<b>®</b> ®	347/600V, 3ø	2883_125	2883_105

**Cordset Options:** Use the following chart to modify your part's specifications.



#### 50 AMP PLUGS AND CONNECTORS

- 125V 2-Pole, 3-Wire Non-NEMA Locking / Non-NEMA Locking California Style
- 250V 2-Pole, 3-Wire Non-NEMA Locking / Non-NEMA Locking California Style / NEMA 6-50
- 480V 2-Pole, 3-Wire -Non-NEMA Locking California Style





#### Configurations

Non-NEMA Locking CA



Non-NEMA Locking



Non-NEMA Locking CA



Non-NEMA Locking



Non-NEMA Locking CA



**NEMA 6-50** 



## Watertite® Plugs and Connectors

CONFIGURATION		VOLTAGE	LOCKING BLADE (L)	PLUG PART NO. <sup>1,2</sup>	CONNECTOR PART NO. <sup>1, 2</sup>	CORD GRIP BODY SIZE
NON-NEMA LOCKING CA <sup>3</sup>	(D)(()	125V	•	CS63W61	CS63W60	F5 1¼"
NON-NEMA LOCKING	010	125V	•	63W61	63W60	F5 1¼"
NON-NEMA LOCKING CA3	(C)((C)	250V	•	CS82W65	CS82W64	F5 1¼"
NON-NEMA LOCKING		600V AC/250V DC	•	37W63	37W62	F5 1¼"
NON-NEMA LOCKING CA <sup>3</sup>	()()	480V	•	CS84W65	CS84W64	F5 1¼"





CONNECTOR

### Super-Safeway® Plugs and Connectors

CONFIGURATION		VOLTAGE	LOCKING Blade (L)	PLUG PART NO. <sup>1, 2</sup>	CONNECTOR PART NO. <sup>1,2</sup>
NEMA 6-50	(j) (j) (	250V		8664	8665





## Safeway® Plugs and Connectors4

CONFIGURATION		VOLTAGE	LOCKING BLADE (L)	PLUG PART NO.1	CONNECTOR PART NO.1
NON-NEMA LOCKING CA3	(C)#(C)	125V	•	CS6361N	CS6360N
NON-NEMA LOCKING		125V	•	6361CRN	6360CRN
NON-NEMA LOCKING CA3	()1(()	250V	•	CS8265N	CS8264N
NON-NEMA LOCKING		600V AC/250V DC	•	3763N	3762N
NON-NEMA LOCKING CA <sup>3</sup>	().(I)	480V	•	CS8465N	CS8464N

<sup>&</sup>lt;sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.

<sup>&</sup>lt;sup>4</sup> TO ORDER SAFEWAY® DEVICE IN YELLOW ADD A "YL" SUFFIX TO THE WOODHEAD PART NO.



FOR EXTRA-HARD OUTDOOR USE, ORDER WATERTITE® OR SUPER-SAFEWAY® DEVICES IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NO.

<sup>3</sup> CALIFORNIA STYLE

#### **50 AMP RECEPTACLES**

- 125V 2-Pole, 3-Wire Non-NEMA Locking / Non-NEMA Locking California Style
- 250V 2-Pole, 3-Wire Non-NEMA Locking / Non-NEMA Locking California Style
- 480V 2-Pole, 3-Wire Non-NEMA Locking California Style

Woodhead meets your receptacle needs head-on. Single, duplex or motor-base receptacles for wet abusive environments are covered by Watertite® product solutions while general industrial applications are well served by nylon Safeway® receptacles. Watertite® receptacles feature spring-loaded flip lid covers with built-in lock-out/tag-out capabilities and the patented triple seal for the best in wet-location protection. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

## Receptacles with Flip Coverplates

				1,000
CONFIGURATION		VOLTAGE	LOCKING Blade (L)	SINGLE FLIP LID <sup>1</sup>
NON-NEMA LOCKING CA <sup>2</sup>	(C)#(C)	125V	•	CS69W60
NON-NEMA LOCKING		125V	•	69W60
NON-NEMA LOCKING CA <sup>2</sup>	(C)11(C)	250V	•	69W64
NON-NEMA LOCKING	0:0	600V AC/250V DC	•	69W62
NON-NEMA LOCKING CA <sup>2</sup>	():(1)	480V	•	67W64









SAFEWAY® FLANGED INLET

#### Safeway® Receptacles and Inlets

	CONFIGURATION		VOLTAGE	LOCKING BLADE (L)	SINGLE RECEPTACLE <sup>3, 4</sup>	FLANGED INLET
_	NON-NEMA LOCKING CA <sup>2</sup>	(D)(1)	125V	•	CS6370	CS6377
	NON-NEMA LOCKING		125V	•	6370CR	6377CR
	NON-NEMA LOCKING CA <sup>2</sup>	(O)1(O)	250V	•	CS8269	CS8275
	NON-NEMA LOCKING		600VAC/250VDC	•	3771	3777
	NON-NEMA LOCKING CA <sup>2</sup>		480V	•	CS8469	CS8475

<sup>1</sup> FOR EXTRA-HARD OUTDOOR USE, ORDER WATERTITE® DEVICES IN UV RESISTANT BLACK, ADD "BLK" TO THE END OF THE PART NO.





<sup>&</sup>lt;sup>2</sup> CALIFORNIA STYLE

<sup>3</sup> STANDARD COLOR IS BLACK

<sup>&</sup>lt;sup>4</sup> FOR CORROSION-RESISTANT RECEPTACLE, ADD "CR" SUFFIX TO PART NO.

#### 50 AMP PLUGS AND CONNECTORS

- 125V 3-Pole, 4-Wire Non-NEMA Locking / Non-NEMA Locking California Style
- 250V 3-Pole, 4-Wire Non-NEMA Locking / Non-NEMA Locking California Style
- 480V 3-Pole, 4-Wire -Non-NEMA Locking California Style

WATERTITE® PLUG





#### Configurations

Non-NEMA Locking CA



Non-NEMA Locking



Non-NEMA Locking CA



Non-NEMA Locking



Non-NEMA Locking CA



#### WATERTITE® CONNECTOR

#### Watertite® Plugs and Connectors

CONFIGURATION		VOLTAGE	LOCKING BLADE (L)	PLUG PART NO.1,2	CONNECTOR PART NO. <sup>1, 2</sup>	CORD GRIP BODY SIZE
NON-NEMA LOCKING CA <sup>3</sup>	(C)11(C)	125/250V	•	CS63W65	CS63W64	F5 1¼"
NON-NEMA LOCKING		125/250V	•	63W65	63W64	F5 1¼"
NON-NEMA LOCKING CA3		250V/3PH	•	CS83W65	CS83W64	F5 1¼"
NON-NEMA LOCKING		600V AC/250V DC	•	37W65	37W64	F5 1¼"
NON-NEMA LOCKING CA3	On O	480V/3PH	•	CS81W65	CS81W64	F5 1¼"





## Safeway® Plugs and Connectors4

CONFIGURATION		VOLTAGE	LOCKING BLADE (L)	PLUG Part No.¹	CONNECTOR PART NO.1
NON-NEMA LOCKING CA <sup>3</sup>	(C)	125/250V	•	CS6365N	CS6364N
NON-NEMA LOCKING		125/250V	•	6365CRN	6364CRN
NON-NEMA LOCKING CA <sup>3</sup>	(C)11(C)	250V/3PH	•	CS8365N	CS8364N
NON-NEMA LOCKING		600V AC/250V DC	•	3765N	3764N
NON-NEMA LOCKING CA <sup>3</sup>	(C):(C)	480V/3PH	•	CS8165N	CS8164N

<sup>&</sup>lt;sup>1</sup> FOR CORD RANGES AND CORD SPECIFICATIONS, SEE PAGE 126.

<sup>&</sup>lt;sup>4</sup> TO ORDER SAFEWAY® DEVICE IN YELLOW ADD A "YL" SUFFIX TO THE WOODHEAD PART NO.





MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

CALL US TODAY! 800-225-7724

² FOR EXTRA-HARD OUTDOOR USE, ORDER WATERTITE® DEVICES IN UV RESISTANT BLACK. ADD "BLK" TO THE END OF THE PART NO.

<sup>3</sup> CALIFORNIA STYLE

#### **50 AMP RECEPTACLES**

- 125V 3-Pole, 4-Wire Non-NEMA Locking / Non-NEMA Locking California Style
- 250V 3-Pole, 4-Wire Non-NEMA Locking / Non-NEMA Locking California Style
- 480V 3-Pole, 4-Wire Non-NEMA Locking California Style

Woodhead meets your receptacle needs head-on. Single, duplex or motor-base receptacles for wet abusive environments are covered by Watertite® product solutions while general industrial applications are well served by nylon Safeway® receptacles. Watertite® receptacles feature spring-loaded flip lid covers with built-in lock-out/tag-out capabilities and the patented triple seal for the best in wet-location protection. Product photos are intended to show device style only and are not intended to reflect indicated configurations.

#### Receptacles with Flip Coverplates

CONFIGURATION		VOLTAGE	LOCKING Blade (L)	SINGLE FLIP LID	
NON-NEMA LOCKING CA1	$\odot$	125/250V	•	CS60W64	
NON-NEMA LOCKING		125/250V	•	60W64	
NON-NEMA LOCKING CA1	$\odot$ $_{1}\odot$	250V/3PH	•	65W64	
NON-NEMA LOCKING		600V AC/250V DC	•	66W64	
NON-NEMA LOCKING CA1	(C):(C)	480V/3PH	•	64W64	





SAFEWAY® SINGLE RECEPTACLE



SAFEWAY® FLANGED INLET

## Safeway® Receptacles and Inlets

CONFIGURATION		VOLTAGE	LOCKING Blade (L)	SINGLE RECEPTACLE <sup>2, 3</sup>	FLANGED INLET
NON-NEMA LOCKING CA1	(D1)(I)	125/250V	•	CS6369	CS6375
NON-NEMA LOCKING		125/250V	•	6369CR	6375CR
NON-NEMA LOCKING CA1	$\bigcirc$	250V/3PH	•	CS8369	CS8375
NON-NEMA LOCKING		600V AC/250V DC	•	3769	3775
NON-NEMA LOCKING CA1	(D)(1)	480V/3PH	•	CS8169	CS8175

<sup>1</sup> CALIFORNIA STYLE

<sup>3</sup> FOR CORROSION-RESISTANT RECEPTACLE, ADD "CR" SUFFIX TO PART NO.





<sup>&</sup>lt;sup>2</sup> STANDARD COLOR IS BLACK

## WATERTITE® (IP67) Pin-&-Sleeve Devices: Plugs, Connectors, Receptacles, Angled Inlets and Mechanical Interlocks

Woodhead pin and sleeve wiring devices conform to IEC 309-1 and 309-2 standards which are a worldwide pin and sleeve standard established by the International Electrotechnical Commission. They also meet the requirements of Section 410-56(g) of the National Electrical Code (NEC). Watertite® pin and sleeve products are rated at IP67 while Safeway® pin and sleeve products are rated IP44. Both styles feature impact and chemical-resistant type G nylon housings and dead front construction. A latching mechanism prevents accidental disengagement while internal and external strain relief provides pull-out protection and cable bend relief.



## 20 Amp Watertite® Devices

POLE/WIRE	COLOR	VOLTAGE	FACE VIEW	RECEPTACLE PART NO.	PLUG PART NO.	CONNECTOR PART NO.	ANGLED INLET	MECHANICAL INTERLOCK PART NO.
2-P0LE / 3-WIRE	YELLOW	125	<b>©</b>	320R4W	320P4W	320C4W	320BA4W	320MI4W
	BLUE	250	<b>②</b>	320R6W	320P6W	320C6W	320BA5W	320MI6W
	GRAY	277	<b>©</b>	320R5W	320P5W	320C5W	320BA6W	_
	RED	480	0	320R7W	320P7W	320C7W	320BA7W	320MI7W
3-POLE / 4-WIRE	ORANGE	125/250	<b>②</b>	420R12W	420P12W	420C12W	420BA12W	420MI12W
	BLUE	3ø250	0	420R9W	420P9W	420C9W	420BA9W	420MI9W
	RED	3ø480	<b>©</b>	420R7W	420P7W	420C7W	420BA7W	420MI7W
	BLACK	3ø600	<b>②</b>	420R5W	420P5W	420C5W	420BA5W	420MI5W
4-POLE / 5-WIRE	BLUE	3øY 120/208	0	520R9W	520P9W	520C9W	520BA9W	520MI9W
	RED	3øY 277/480	<b>®</b>	520R7W	520P7W	520C7W	520BA7W	520MI7W
	BLACK	3øY 347/600	<b>③</b>	520R5W	520P5W	520C5W	520BA5W	520MI5W

NOTE: FOR TECHNICAL AND DIMENSIONAL INFORMATION SEE PAGE 127.



## WATERTITE® (IP67) Pin-&-Sleeve Devices: Plugs, Connectors, ● Receptacles, Angled Inlets and Mechanical Interlocks (continued)

## 30 Amp Watertite® Devices

POLE/WIRE	COLOR	VOLTAGE	FACE VIEW	RECEPTACLE PART NO.	PLUG PART NO.	CONNECTOR PART NO.	ANGLED INLET	MECHANICAL INTERLOCK PART NO.
2-POLE / 3-WIRE	YELLOW	125	<b>©</b>	330R4W	330P4W	330C4W	330BA4W	330MI4W
	BLUE	250	<b>©</b>	330R6W	330P6W	330C6W	330BA5W	330MI6W
	GRAY	277	<b>©</b>	330R5W	330P5W	330C5W	330BA6W	_
	RED	480	0	330R7W	330P7W	330C7W	330BA7W	330MI7W
3-POLE / 4-WIRE	ORANGE	125/250	<b>③</b>	430R12W	430P12W	430C12W	330BA12W	430MI12W
	BLUE	3ø250	<b>③</b>	430R9W	430P9W	430C9W	430BA9W	430MI9W
	RED	3ø480	<b>@</b>	430R7W	430P7W	430C7W	430BA7W	430MI7W
	BLACK	3ø600	<b>②</b>	430R5W	430P5W	430C5W	430BA5W	430MI5W
4-POLE / 5-WIRE	BLUE	3øY 120/208	<b>®</b>	530R9W	530P9W	530C9W	530BA9W	530MI9W
	RED	3øY 277/480	<b>©</b>	530R7W	530P7W	530C7W	530BA7W	530MI7W
	BLACK	3øY 347/600	፡ ፡	530R5W	530P5W	530C5W	530BA5W	530MI5W

### 60 Amp Watertite® Devices

POLE/WIRE	COLOR	VOLTAGE	FACE VIEW	RECEPTACLE PART NO.	PLUG PART NO.	CONNECTOR PART NO.	ANGLED INLET	MECHANICAL INTERLOCK PART NO.
2-POLE / 3-WIRE	YELLOW	125	0	360R4W	360P4W	360C4W	360BA4W	360MI4W
	BLUE	250	· ·	360R6W	360P6W	360C6W	360BA5W	360MI6W
	GRAY	277	<b>③</b>	360R5W	360P5W	360C5W	360BA6W	_
	RED	480	<b>③</b>	360R7W	360P7W	360C7W	360BA7W	360MI7W
3-POLE / 4-WIRE	ORANGE	125/250	<b>©</b>	460R12W	460P12W	460C12W	460BA12W	460MI12W
	BLUE	3ø250	<u> </u>	460R9W	460P9W	460C9W	460BA9W	460MI9W
	RED	3ø480	<b>©</b>	460R7W	460P7W	460C7W	460BA7W	460MI7W
	BLACK	3ø600	<b>②</b>	460R5W	460P5W	460C5W	460BA5W	460MI5W
4-POLE / 5-WIRE	BLUE	3øY 120/208	0	560R9W	560P9W	560C9W	560BA9W	560MI9W
	RED	3øY 277/480	- ⊚	560R7W	560P7W	560C7W	560BA7W	560MI7W
	BLACK	3øY 347/600	<b>③</b>	560R5W	560P5W	560C5W	560BA5W	560MI5W

## 100 Amp Watertite® Devices

POLE/WIRE	COLOR	VOLTAGE	FACE VIEW	RECEPTACLE PART NO.	PLUG PART NO.	CONNECTOR PART NO.	ANGLED INLET	MECHANICAL INTERLOCK PART NO.
2-POLE / 3-WIRE	YELLOW	125	0	3100R4W	3100P4W	3100C4W	3100B4W	3100MI4W
	BLUE	250	· ·	3100R6W	3100P6W	3100C6W	3100B5W	3100MI6W
	GRAY	277	<b>⊙</b>	3100R5W	3100P5W	3100C5W	3100B6W	_
	RED	480	0	3100R7W	3100P7W	3100C7W	3100B7W	3100MI7W
3-P0LE / 4-WIRE	ORANGE	125/250	◎	4100R12W	4100P12W	4100C12W	4100B12W	4100MI12W
	BLUE	3ø250	⊙	4100R9W	4100P9W	4100C9W	4100B9W	4100MI9W
	RED	3ø480	<b>②</b>	4100R7W	4100P7W	4100C7W	4100B7W	4100MI7W
	BLACK	3ø600	<b>O</b>	4100R5W	4100P5W	4100C5W	4100B5W	4100MI5W
4-POLE / 5-WIRE	BLUE	3øY 120/208	0	5100R9W	5100P9W	5100C9W	5100B9W	5100MI9W
	RED	3øY 277/480	⊚	5100R7W	5100P7W	5100C7W	5100B7W	5100MI7W
	BLACK	3øY 347/600	<b>③</b>	5100R5W	5100P5W	5100C5W	5100B5W	5100MI5W

NOTE: FOR TECHNICAL AND DIMENSIONAL INFORMATION SEE PAGE 127.





(M) MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

www.woodhead.com WOODHEAD 117

## SAFEWAY® (IP44 - Splashproof) Pin-&-Sleeve: Plugs, Connectors, Receptacles, Angled Inlets and Mechanical Interlocks

Woodhead pin and sleeve wiring devices conform to IEC 309-1 and 309-2 standards which are a worldwide pin and sleeve standard established by the International Electro technical Commission. They also meet the requirements of Section 410-56(g) of the National Electrical Code (NEC). Watertite® pin and sleeve products are rated at IP67 while Safeway® pin and sleeve products are rated IP44. Both styles feature impact and chemical-resistant type G nylon housings and dead front construction. A latching mechanism prevents accidental disengagement while internal and external strain relief provides pull-out protection and cable bend relief.



## 20 Amp Safeway® Devices

POLE/WIRE	COLOR	VOLTAGE	FACE VIEW	RECEPTACLE PART NO.	PLUG PART NO.	CONNECTOR PART NO.	ANGLED INLET	MECHANICAL INTERLOCK PART NO.
2-POLE / 3-WIRE	YELLOW	125	<b>©</b>	320R4	320P4	320C4	320BA4	320MI4
	BLUE	250	<b>②</b>	320R6	320P6	32006	320BA5	320MI6
	GRAY	277	<b>③</b>	320R5	320P5	320C5	320BA6	320MI5
	RED	480	<b>③</b>	320R7	320P7	320C7	320BA7	320MI7
3-POLE / 4-WIRE	ORANGE	125/250	<b>③</b>	420R12	420P12	420C12	420BA12	420MI12
	BLUE	3ø250	<b>③</b>	420R9	420P9	420C9	420BA9	420MI9
	RED	3ø480	<b>②</b>	420R7	420P7	420C7	420BA7	420MI7
	BLACK	3ø600	<b>②</b>	420R5	420P5	420C5	420BA5	420MI5
4-POLE / 5-WIRE	BLUE	3øY 120/208	<b>®</b>	520R9	520P9	520C9	520BA9	520MI9
	RED	3øY 277/480	☺	520R7	520P7	520C7	520BA7	520MI7
	BLACK	3øY 347/600	⊕	520R5	520P5	520C5	520BA5	520MI5

NOTE: FOR TECHNICAL AND DIMENSIONAL INFORMATION SEE PAGE 127.



## SAFEWAY® (IP44 - Splashproof) Pin-&-Sleeve: Plugs, Connectors, Receptacles, Angled Inlets and Mechanical Interlocks (continued)

## 30 Amp Safeway® Devices

POLE/WIRE	COLOR	VOLTAGE	FACE VIEW	RECEPTACLE PART NO.	PLUG Part No.	CONNECTOR PART NO.	ANGLED INLET	MECHANICAL INTERLOCK PART NO.
2-POLE / 3-WIRE	YELLOW	125	0	330R4	330P4	330C4	330BA4	330MI4
	BLUE	250	☺	330R6	330P6	33006	330BA5	330MI6
	GRAY	277	☺	330R5	330P5	33005	330BA6	330MI5
	RED	480	<b>③</b>	330R7	330P7	33007	330BA7	330MI7
3-POLE / 4-WIRE	ORANGE	125/250	<b>©</b>	430R12	430P12	430C12	330BA12	430MI12
	BLUE	3ø250	<b>②</b>	430R9	430P9	43009	430BA9	430MI9
	RED	3ø480	<b>③</b>	430R7	430P7	43007	430BA7	430MI7
	BLACK	3ø600	0	430R5	430P5	430C5	430BA5	430MI5
4-POLE / 5-WIRE	BLUE	3øY 120/208	0	530R9	530P9	53009	530BA9	530MI9
	RED	3øY 277/480	☺	530R7	530P7	53007	530BA7	530MI7
	BLACK	3øY 347/600	<b>③</b>	530R5	530P5	530C5	530BA5	530MI5

## 60 Amp Safeway® Devices

POLE/WIRE	COLOR	VOLTAGE	FACE VIEW	RECEPTACLE PART NO.	PLUG PART NO.	CONNECTOR PART NO.	ANGLED INLET	MECHANICAL INTERLOCK PART NO.
2-P0LE / 3-WIRE	YELLOW	125	<b>©</b>	360R4	360P4	360C4	360BA4	360MI4
	BLUE	250	<b>②</b>	360R6	360P6	360C6	360BA5	360MI6
	GRAY	277	<b>©</b>	360R5	360P5	360C5	360BA6	360M15
	RED	480	<b>③</b>	360R7	360P7	360C7	360BA7	360MI7
3-POLE / 4-WIRE	ORANGE	125/250	<b>②</b>	460R12	460P12	460C12	460BA12	460MI12
	BLUE	3ø250	<b>③</b>	460R9	460P9	460C9	460BA9	460MI9
	RED	3ø480	<b>②</b>	460R7	460P7	460C7	460BA7	460MI7
	BLACK	3ø600	€	460R5	460P5	460C5	460BA5	460MI5
4-POLE / 5-WIRE	BLUE	3øY 120/208	<b>®</b>	560R9	560P9	560C9	560BA9	560MI9
	RED	3øY 277/480	◎	560R7	560P7	560C7	560BA7	560MI7
	BLACK	3øY 347/600	<b>③</b>	560R5	560P5	560C5	560BA5	560MI5

NOTE: FOR TECHNICAL AND DIMENSIONAL INFORMATION SEE PAGE 127.





(II) MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

www.woodhead.com WOODHEAD 119

## SAFEWAY® Pin-&-Sleeve Devices: 60 Amp Exposition Devices • 277V/480V - 4-Pole, 5-Wire Grounding

Designed specifically for the Expo Center environment, Woodhead Expo Connectors provide a single device that accepts both flat and round cable, a durable light-weight construction and a non-conductive exterior. This new design provides compact versatility in 60 amp configurations. Woodhead Expo Connectors are specifically designed for power distribution from ceiling drops, wall mounts and floor boxes to portable panel-boards.

## Configurations



part no. Y560R





# **SAFEWAY®** Pin-&-Sleeve Devices: 60 Amp Exposition Devices • 277V/480V – 4-Pole, 5-Wire Grounding











part no. 50-0110

## 60 Amp Exposition Devices

DESCRIPTION	FACE VIEW	PART NO.
60A EXPOSITION RECEPTACLE	₩	Y560R
60A EXPOSITION CONNECTOR	₩ ₩	Y560CF1
60A EXPOSITION RECEPTACLE W/FLIP LID	₽	Y561R
60A EXPOSITION PLUG		Y560PF1
60A EXPOSITION INLET	♀	Y560B
60A EXPOSITION INLET W/FLIP LID	•	Y561B
ADAPTER PLATE FOR STANDARD BACK BOX		50-0110 <sup>2</sup>
REPLACEMENT CABLE CLAMP		40-0560

<sup>1</sup> INCLUDES BOTH FLAT AND ROUND CLAMPS.





 $<sup>^{2}</sup>$  REQUIRED IF MOUNTING RECEPTACLE TO A STANDARD INDUSTRY BACK BOX.

## SAFEWAY® Adapters

#### Industrial-Duty Adapters

Read across for plug (blade) configuration, then read down for receptacle (slot) configuration. Order the Woodhead number in intersecting box.

The following letter codes indicate limited use adapters:

- A For use only with receptacles wired for 125V single-phase grounding service.
- **B** For use only up to a maximum of 15A.
- **C** For use only with receptacles wires for 15A/125V single-phase grounding service.

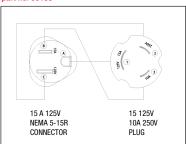
				P	LUG (MALE EN	D)			
	•	•	- <b>(</b>	<b>3</b>	<b>②</b>	•	<b>③</b>	<b>©</b>	
RECEPTACLE (FEMALE END)	15A/125V 1-15	15A/125V 5-15	15A/12V¹ NON-NEMA	20A/125V 5-20	15A/125V L5-15	15A/125V¹ NON-NEMA	20A/125V L5-20	20A/125V R&S PINS	20A/250V NON-NEMA
15A/125V 1-15			1702 00380		1705	1704 00136	1740		1730
15A/125V 5-15	1701 <sup>2</sup>		1702 <sup>3</sup> C		1705	1704 <sup>3</sup> C	1740		1730
15A/125 NON-NEMA		1706 00382							
20A/125V 5-20							1740	1733	1730 A
15A/125V L5-15	1793 <sup>2</sup>	1712				<sup>1725</sup> C	1783		
15A/125V NON-NEMA		1708 00137			1719				
20A/125V L5-20	1794 <sup>2</sup> B	1744 B		1741					
20A/250V NON-NEMA		<sup>1732</sup> C							

<sup>1</sup> ALSO RATED 10A/250V

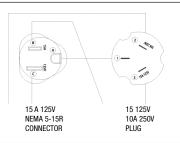


MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

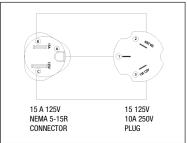
#### part no. 00136



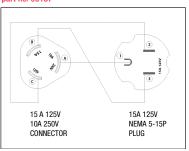




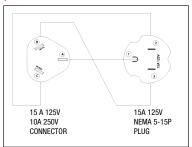
part no. 1702



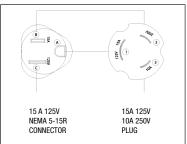
part no. 00137



part no. 00382



part no. 1704



CALL US TODAY! 800-225-7724

<sup>&</sup>lt;sup>2</sup> WITH GROUNDING TAB <sup>3</sup> FOR ADAPTER WIRING, REFER TO WIRING SCHEMATICS BELOW

#### **RECOMMENDED GROMMETS**

Listed below and indicated by • are the cord bushings (grommets) normally supplied with Watertite® devices. Other diameters are available if larger or smaller diameter grommets are required. For cord diameters, see page 126.

## 1/2" Cord Grip — F2 Body Size

			14W04/		14W19/										26W07/
CORD			15W04	15W07	15W09	15W33	15W34	15W47	15W48	15W49	25W07	25W34	25W47	25W49	27W07
DIAMETER	COLOR	PART NO.	P. 48	P. 64	P. 48	P. 72	P. 72	P. 52	P. 60	P. 60	P. 64	P. 60	P. 52	P. 60	P. 68
0.062-0.125"	BLACK	00-4978													
0.125-0.187"	YELLOW	00-4970													
0.187-0.250"	ORANGE	00-4971													
0.250-0.312"	BLACK	00-4972													
0.312-0.375"	GRAY	00-5263	•	•	•	•	•	•	•	•	•	•	•	•	•
0.375-0.437"	GREEN	00-5264	•	•	•	•	•	•	•	•	•	•	•	•	•
0.437-0.500"	ORANGE	00-4975													
0.500-0.562"	BLACK	00-5266	•	•	•	•	•	•	•	•	•	•	•	•	•
0.562-0.625"	GRAY	00-5267	•	•	•	•	•	•	•	•	•	•	•	•	•

#### 3/4" Cord Grip — F3 Body Size

CORD DIAMETER	COLOR	PART NO.	26W08/ 27W08 P. 80	26W47/ 27W47 P. 72	26W48/ 27W48 P. 72	26W49/ 27W49 P. 72	26W74/ 27W74 P. 84	26W75/ 27W75 P. 88	26W76/ 27W76 P. 88	26W81/ 27W81 P. 92	26W82/ 27W82 P. 92	26W83/ 27W83 P. 92
											-	
0.187-0.250"	ORANGE	00-4985										
0.250-0.375"	GRAY	00-4986										
	-											
0.375-0.437"	GREEN	00-4987										
0.437-0.562"	BLACK	00-4980	•	•	•	•						
0.500-0.625"	GRAY	00-4981					•	•	•			
0.562-0.687"	GREEN	00-4982	•	•	•	•	•	•	•	•	•	•
0.625-0.750"	ORANGE	00-4983	•	•	•	•	•	•	•	•	•	•
0.687-0.812"	YELLOW	00-4984								•	•	•

## 1" Cord Grip — F4 Body Size

			26W09/	26W10/	28W08/	28W09/	28W47/			-				28W81/	28W82/	28W83/
CORD			27W09			29W09			29W49			29W76		29W81	29W82	
DIAMETER	COLOR	PART NO.	P. 80	P. 80	P. 100	P. 100	P. 96	P. 96	P. 96	P. 104	P. 108	P. 108	P. 108	P. 112	P. 112	P. 112
0.437-0.562"	BLACK	00-4990														
0.500-0.625"	GRAY	00-4991														
0.562-0.687"	GREEN	00-4992	•		•		•	•	•							
0.625-0.750"	ORANGE	00-4993	•	•	•	•	•	•	•	•	•	•	•	•	•	•
0.687-0.812"	YELLOW	00-4994	•	•		•				•	•	•	•			
0.750-0.875"	BLACK	00-4995												•	•	•
0.812-0.937"	GRAY	00-4996			•		•	•	•							
0.875-1.00"	GREEN	00-4997														
1.00-1.10"	BLACK	00-4998	•	•	•	•	•	•	•	•	•	•	•	•	•	•

## 1-1/4" Cord Grip — F5 Body Size

CORD DIAMETER	COLOR	PART NO.	CS63W61/63W61 CS63W60/63W60 P. 116	CS82W65 CS82W64 P. 116	<b>37W63</b> <b>37W62</b> P. 116	CS84W65 CS84W64 P. 116	CS63W65/63W65 CS63W64/63W64 P. 118	CS83W65 CS83W64 P. 118	<b>37W65</b> <b>37W64</b> P. 118	CS81W65 CS81W64 P. 118
0.750-0.875"	ORANGE	00-5070								
0.875-1.000"	YELLOW	00-5071								
1.00-1.125"	BLACK	00-5072	•	•	•	•	•	•	•	•
1.125-1.25"	GREEN	00-5073	•	•	•	•	•	•	•	•
1.25-1.375"	GRAY	00-5074	•	•	•	•	•	•	•	•



#### TECHNICAL REFERENCE

Most Woodhead plugs, connectors, and receptacles are standard NEMA configurations. As such, standard terminal identification is used to incorporate these devices in the wiring system.

#### Terminal Identification

TERMINAL	LETTER Designation	DESCRIPTION	CONDUCTOR
GREEN	G	GROUNDING TERMINAL	GREEN, GREEN W/YELLOW STRIPE
WHITE	W	GROUNDING TERMINAL	WHITE OR GRAY
X, Y, Z	X, Y, Z	HOT TERMINALS	BLACK, RED, BLUE, ETC. <sup>1</sup>

<sup>1</sup> THERE IS NO STANDARD THAT MATCHES COLOR TO LETTERS. ONCE A CORRELATION IS CHOSEN, IT SHOULD BE USED CONSISTENTLY.

#### Electrical Rating Change on Non-NEMA Devices

Several years ago, Underwriters Laboratories was approached by a manufacturer with a request to list some non-NEMA configuration wiring devices — Woodhead's 2608, 2609, 2808 and 2809 configurations — in particular. U.L. agreed to list them only if they were marked for a single voltage current.

Because of the variety of applications, U.L. proceeded to take a survey on the different uses field. They determined that the majority are used in non-grounding applications. The following information was established:

2608, 2708, 26T08, 27T08, 26W08 and 27W08 – 20A 125/250V 3-Pole 3-Wire

2609, 2709, 26T09, 27T09, 26W09 and 27W09 – 20A 120/208V 4-Pole 4-Wire

2808, 2908, 28T08, 29T08, 28W08 and 29W08 – 30A 125/250V 3-Pole 3-Wire

2809, 2909, 28T09, 29T09, 28W09 and 29W09 – 30A 120/208V 4-Pole 4-Wire

Since Woodhead decided to mark the non-NEMA plugs and connectors single voltage and current rating, we have received many inquiries as to whether these devices still suitable at their old ratings.

The rating change was a "paperwork" change only. Although they now have a single rating, devices are certainly functional and can be used within the limitations of the old ratings.

These configurations are for replacement use only in existing facilities. Use of these devices under "premise control" where the user determines at what voltage these devices are to be within the building.

We changed our ratings when it was clear that the majority of other manufacturers were changing theirs, and having a different rating than everyone else would only add to the confusion.

## Watertite® Cord Diameter Range

DIMENSIONAL REFERENCE INFORMATION	CORD DIAMETER RANGE
F2	0.062-0.625" (0.2-1.6 cm)
F3	0.187-0.812" (0.5-2.1 cm)
F4	0.437-1.10" (1.1-2.8 cm)
F5	0.875-1.375" (2.2-3.5 cm)

## Super-Safeway® and Safeway® Cord Diameter Range

DIMENSIONAL REFERENCE INFORMATION	CORD DIAMETER RANGE
2	0.300-0.675" (0.8-1.7 cm)
3	0.325-0.840" (0.8-2.1 cm)
4	0.425-1.150" (1.1-2.9 cm)

NOTE: SEE CHART ON PAGE 123 FOR STANDARD GROMMETS.

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## **TECHNICAL REFERENCE** Horsepower Ratings •

## 15 Amp NEMA Attachment Plugs and Receptacles

AC VOLTAGE RATING	PHASES	POLES	HORSEPOWER RATING	NEMA CONFIGURATION
125VAC	1	2	1/2	1-15, L1-15, 5-15, L5-15
250VAC	1	2	2	6-15, L6-15, 7-15, L7-15

### 20 Amp NEMA Attachment Plugs and Receptacles

AC VOLTAGE RATING	PHASES	POLES	HORSEPOWER Rating	NEMA CONFIGURATION
125VAC	1	2	1	5-20, L5-20
250VAC	1	2	2	L2-20, 6-20, L6-20
277VAC	1	2	2	L7-20
125/250VAC	1	3	2 L-L <sup>1</sup> 1 L-N <sup>2</sup>	10-20, L10-20 L14-20
250VAC	3	3	5	L11-20, L15-20
480VAC	3	3	10	L16-20
120/208VAC	3	4	3	L21-20
277/480VAC	3	4	10	L22-20

### 30 Amp NEMA Attachment Plugs and Receptacles

AC VOLTAGE RATING	PHASES	POLES	HORSEPOWER RATING	NEMA CONFIGURATION
125VAC	1	2	2	L5-30
250VAC	1	2	3	L6-30
277VAC	1	2	3	L7-30
125/250VAC	1	3	2 L-N <sup>2</sup>	L14-30
250VAC	3	3	7-½	L15-30
480VAC	3	3	15	L16-30
120/208VAC	3	4	5	L21-30
277/480VAC	3	4	15	L22-30

<sup>1</sup> L-L: MOTOR CONNECTED LINE-TO-LINE

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<sup>&</sup>lt;sup>2</sup> L-N: MOTOR CONNECTED LINE-TO-NEUTRAL

NOTE: HORSEPOWER RATINGS ARE NOT APPLICABLE TO DEVICES INCORPORATING OVERCURRENT PROTECTION.

REFER TO ANSI/NEMA WD6-1988 FOR CONFIGURATIONS OF THE NEMA DESIGNATIONS.

#### TECHNICAL REFERENCE

## Selecting the Proper Cord Size

- 1. Determine the load ampacity requirements.
- 2. Read across for the number of current-carrying conductors.
- 3. Read down until the value meets or exceeds the requirements established in Step 1.
- 4. Read back across to left to determine the appropriate size cord.

AWG	2 CURRENT-CARRYING CONDUCTORS	3 CURRENT-CARRYING CONDUCTORS	4-6 CURRENT-CARRYING CONDUCTORS
22	3A	3A	3A
18	10A	7A	5A
16	13A	10A	8A
14	18A	15A	12A
12	25A	20A	16A
10	30A	25A	20A
8	40A	35A	28A
6	55A	45A	36A
4	70A	60A	48A
2	95A	80A	64A

<sup>1</sup> IN DETERMINING CORD CAPACITY, COUNT ONLY THOSE CONDUCTORS THAT ARE CURRENT-CARRYING. THE GROUNDING CONDUCTOR IS NOT COUNTED.

#### Nominal Cord Diameter<sup>2</sup>

AWG	2 CONDUCTORS	3 CONDUCTORS	4 CONDUCTORS	5 CONDUCTORS
22	0.215-0.235"	0.215-0.235"	0.240-0.260"	0.250-0.270"
18	0.340-0.385"	0.360-0.400"	0.385-0.430"	0.460-0.510"
16	0.365-0.410"	0.385-0.430"	0.410-0.460"	0.490-0.550"
14	0.495-0.550"	0.520-0.575"	0.560-0.620"	0.630-0.705"
12	0.565-0.625"	0.590-0.655"	0.640-0.710"	0.700-0.770"
10	0.615-0.685"	0.650-0.720"	0.700-0.775"	0.760-0.840"
8	0.780-0.880"	0.830-0.930"	0.925-1.050"	1.000-1.150"
6	0.920-1.050"	0.970-1.100"	1.050-1.200"	1.180-1.330"
4	1.060-1.210"	1.130-1.280"	1.250-1.450"	_
2	1.210-1.400"	1.300-1.500"	1.450-1.650"	_

<sup>&</sup>lt;sup>2</sup> CORD TYPES S, SE, S00, S0, SE0, ST, ST00, AND ST0. INFORMATION FOR 2- THROUGH 18-AWG CORD TAKEN FROM U.L. STANDARD 62 "FLEXIBLE CORD AND FIXTURE WIRE." INFORMATION FOR 22 AWG CORD BASED ON WOODHEAD CORD.

NOTE: FOR FURTHER INFORMATION CONSULT TABLE 400-5 OF THE NATIONAL ELECTRICAL CODE.

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#### TECHNICAL REFERENCE Watertite® Pin and Sleeve Devices

#### General Specifications

**Applications**: Temporary power systems, power disconnect for portable processing equipment, machinery intended for export and users of foreign-built equipment.

#### Construction:

- Type G nylon housing watertight (IP67), impact-resistant, chemical-resistant.
- Type G nylon contact carrier.
- Deadfront construction.
- Self-adjusting split contact sleeves. Nickel-plated brass spring compensates for wear, maintains constant pressure along contact surface to ensure electrical continuity and grounding.
- Latching mechanism prevents accidental disengagement.
- Keyway for fast, accurate alignment.
- Internal strain relief with "swing away" feature.
- External strain relief reduces bending arc of cord.
- Large, identified terminals accept conductors one or two sizes larger or smaller than normal.
- "Onion ring" neoprene bushing in cord grip accommodates wide range of cord sizes.

Approvals: U.L. listed. CSA certified. Conforms to IEC 309-1 and 309-2 Standards.<sup>1</sup>

<sup>1</sup> IEC 309-1 AND 309-2 ARE A WORLDWIDE PIN AND SLEEVE STANDARD ESTABLISHED BY THE INTERNATIONAL ELECTROTECHNICAL COMMISSION. IT MEETS REQUIREMENTS OF SECTION 410-56(G) OF THE NATIONAL ELECTRICAL CODE.

#### IEC 309 Pin and Sleeve Configuration and Color-Coding Standard

Contact Positions: The grounding contact position is based on a clock face. With the keyway at bottom, the female grounding contact will appear at one of the 12 clock positions. Example: all 480VAC receptacles and connectors, regardless of amperage, have their grounding sleeve at 7 o'clock (which puts the grounding pin on all mating plugs and inlets at 5 o'clock).

**Voltage Rating Color-Code**: The housings of every device in a particular voltage group are identical in color for instant identification. For example, all 480VAC devices are red, all 250VAC devices are blue.

Amperage Rating Identification: Amperage differences can be identified by the relative sizes of the devices. Smallest is 20A, largest is 100A.

## Woodhead Catalog Numbering System

FIRST DIGIT	SECOND SERIES OF DIGITS	LETTER	THIRD DIGIT
3 = 3-WIRE	20 = 20A	P = PLUG	CLOCK POSITION OF FEMALE GROUNDING CONTACT
4 = 4-WIRE	30 = 30A	R = RECEPTACLE	
5 = 5-WIRE	60 = 60A	C = CONNECTOR	
	100 = 100A	B = INLET	
		BA = ANGLED INLET	

FOR EXAMPLE: 430R7W = WOODHEAD 4-WIRE, 30A RECEPTACLE WITH GROUND AT SEVEN O'CLOCK POSITION; 430P7W = WOODHEAD 4-WIRE, 30A PLUG WHICH MATES WITH GROUND AT SEVEN O'CLOCK POSITION.

## Cord Grip Ranges

PLUG AND	CORD DIAMETER		
CONNECTOR TYPE	MIN.	MAX.	
320	0.395"	0.825"	
420	0.395"	0.825"	
520	0.395"	0.825"	
330	0.395"	0.825"	

PLUG AND	CORD DIAMETER		
CONNECTOR TYPE	MIN.	MAX.	
430	0.710"	1.20"	
530	0.710"	1.20"	
60A	0.710"	1.50"	
100A	0.950"	1.90"	

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## WIRING DEVICES

### NOTES

### NOTES •

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## PORTABLE OUTLET BOXES

Indoors and out, underfoot and overhead, portable power products from Woodhead are safe and dependable sources for temporary power distribution in virtually any environment. Workers count on our broad line of NEC and OSHA compliant industrial grade portable outlet boxes to get the job done, no matter how tough the conditions.

Exceptionally durable and highly impact-resistant, yet lightweight and easy to transport, Woodhead industrial grade boxes are the ideal combination of strength and functionality. Each non-conductive enclosure is formed of sturdy NEōTEX® rubber which resists oil, shock and chemicals.

Woodhead manufactures portable power products in two families:

#### **GFCI** products

For construction sites and other rugged industrial settings, Woodhead portable GFCI products are equipped with an open-neutral relay that meets OSHA requirements to safeguard workers and employees against ground faults. Watertite® GFCI outlet boxes of long lasting NEōTEX rubber are engineered specifically for use in oil refineries, shipyards and other work sites where dampness, moisture and dust are present, including areas where frequent hosedown is required.

#### **Multiple Outlet Boxes**

Virtually anyplace portable power is required; Woodhead is ready with solutions that deliver years of rugged service. The multiple outlet box product offering ranges from single or double duplex receptacle solutions to multi-tap outlet boxes for numerous plug-in applications. Available in various configurations, for a wide array of environments, Woodhead can provide an outlet box that meets your specific needs.

In addition to the user- and factory-installed portable power products featured in this catalog, Woodhead can provide a custom-built outlet box that adapts to your application. Call on our expertise for custom distributed power set-ups for exhibitions, conventions and other temporary power requirements. Contact your local Woodhead representative to discuss your needs.

#### **INLINE GFCI**

Woodhead's Safe-T-Chek® GFCI products feature a manual reset which must be activated after a power outage or a ground fault condition, and serves to prevent the potential risk of unmonitored equipment start-up. Additionally, contacts are springloaded to assure more consistent conductivity and extend the life of each GFCI device. Woodhead offers a complete series of OSHA – and NEC compliant portable 15, 20, and 30 Amp ground fault circuit interrupter products ranging from protected cordsets to outlet boxes and tri-tap outlets.



### Molded Plug/Connector

NEMA		AMPS/HZ/VOLTS	CORD TYPE/LENGTH		PART NO.
INLINE	GFCI ONLY	15A 50/60HZ 120VAC	_	_	20054
5-15	(i) (i)	15A 50/60HZ 120VAC	14/3 SJTW	18"	15050-1
			14/3 SJTW	6'	15050-6
			14/3 SJTW	25'	15050-25
5-20	<b>(b)</b>	20A 50/60HZ 120VAC	_	_	GFCI-INLINE <sup>1</sup>

<sup>1 120/240</sup> VAC



### Watertite® Plug/Connector

NEMA		AMPS/HZ/VOLTS	CORD TYPE/	LENGTH	PART NO.
INLINE G	FCI ONLY	15A 50/60HZ 120VAC	_		20054
5-15	(1) (1)	15A 50/60HZ 120VAC	14/3 SJTW	18"	15052-1
			14/3 SJTW	6'	15052-6
			14/3 SJTW	25'	15052-25
5-20	<b>⊕∴</b>	20A 50/60HZ 120VAC	_	_	GFCI-INLINE <sup>1</sup>
			12/3 SJTW	18"	20052-1
			12/3 SJTW	6'	20052-6
			12/3 SJTW	25'	20052-25
L6-20	<b>©</b>	20A 50/60HZ 240V	12/3 SJTW	1'	20055-1
			12/3 SJTW	6'	20055-6
			12/3 SJTW	25'	20055-25
L5-30	<b>00</b>	30A 50/60HZ 120V	10/3 SJTW	1'	30052-1
			10/3 SJTW	6'	30052-6
L6-30	(C) (C)	30A 50/60HZ 240V	10/3 SJTW	1'	30054-1
			10/3 SJTW	6'	30054-6
			10/3 SJTW	25'	30054-25

<sup>1 120/240</sup> VAC

#### Weather-Resistant Outlet Box

with two flip lid protected duplex receptacles and a primary Watertite® plug.



NEMA	AMPS/HZ/VOLTS	AMPS/HZ/VOLTS CORD TYPE/LENGTH		PART NO.
5-20 🖒 🛈	20A 50/60HZ 120VAC	12/3 SJTW	18"	20053W-2



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.



### Molded Plug/Tri-Cord

NEMA AMPS/HZ/VOLTS CORD TYPE/LEN		LENGTH	PART NO.		
5-15	(i) (i)	15A 50/60HZ 120VAC	12/3 SJTW	2'	15050-3TT
			12/3 SJTW	6'	15050-6TT
			12/3 SJTW	25'	15050-25TT
			12/3 SJTW	50'	15050-50TT



## Plug/Connector

NEMA	AMPS/HZ/VOLTS	CORD TYPE/	LENGTH	PART NO.
INLINE GFCI ONLY	15A 50/60HZ 120VAC	_	_	20054
5-15 🛍 🛈	15A 50/60HZ 120VAC	14/3 SJTW	18"	15051-1
		14/3 SJTW	6'	15051-6
		14/3 SJTW	25'	15051-25
5-20 🖒 🗓	20A 50/60HZ 120VAC	_	_	GFCI-INLINE <sup>1</sup>
		12/3 SJTW	18"	20051-1
		12/3 SJTW	6'	20051-6
		12/3 SJTW	25'	20051-25
L6-20 🕲 🕲	20A 50/60HZ 240V	12/3 SJTW	1'	20054-1
		12/3 SJTW	6'	20054-6
		12/3 SJTW	25'	20054-25
L5-30 🚱 😯	30A 50/60HZ 120VAC	10/3 SJTW	1'	30051-1
		10/3 SJTW	6'	30051-6
L6-30 🕒 🔾	30A 50/60HZ 240VAC	10/3 SJTW	1'	30053-1
		10/3 SJTW	6'	30053-6
		10/3 SJTW	25'	30053-25

<sup>1 120/240</sup> VAC

#### **Outlet Box**

with two duplex receptacles and a primary Super-Safeway plug.

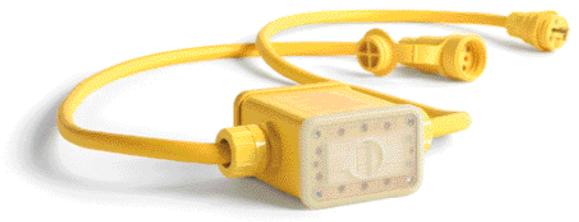


NEMA		AMPS/HZ/VOLTS			PART NO.
5-20	(F)	20A 50/60HZ 120VAC	12/3 SJTW	18"	20053-2

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#### **INLINE GFCI** •

Woodhead offers cost effective protection featuring one GFCI duplex receptacle and an optional ground continuity monitor or a sealed weather-resistant feed-through rubber enclosure for damp and wet environments. One side of the enclosure accommodates an open-neutral sensing relay which detects and prevents operation under life-threatening conditions. MAX-LOC® cord grip (F3) is standard on both series of boxes.



#### Watertite® Inline GFCI

with Watertite® plug/connector, weather-resistant enclosure and 6 ft. 12 gauge/3 conductor SOOW cord. No receptacle.

CONFIGURAT	TION	AMPS/HZ/VOLTS	PART NO.
NEMA 5-15	(1) (1)	15A 50/60HZ 120V	3070W-GFI
NEMA 5-20	(i)(i)	20A 50/60HZ 120V	3070W-GFI20



## Super-Safeway® Inline GFCI

with Super-Safeway plug/connector, receptacle with flip lid and 6 ft. 12 gauge/3 conductor SOOW cord.

CONFIGURAT	ION	AMPS/HZ/VOLTS	WITH GROUND CONTINUITY MONITOR	PART NO.
NEMA 5-15	<ul><li>(1)</li><li>(2)</li><li>(3)</li><li>(4)</li><li>(4)</li><li>(5)</li><li>(6)</li><li>(6)</li><li>(7)</li><li>(7)</li><li>(8)</li><li>(9)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li><li>(10)</li></ul>	15A 50/60HZ 120V	•	3080F-GFI
NEMA 5-15	(i) (i)	15A 50/60HZ 120V		3070F-GFI
NEMA 5-20	(i)	20A 50/60HZ 120V	•	3080F-GFI20





MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

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### **PORTABLE OUTLET BOXES**

#### **GFCI PLUG**

Woodhead's Safe-T-Chek® GFCI attachable plug products feature a manual reset which must be activated after a power outage or a ground fault condition, and serves to prevent the potential risk of unmonitored equipment start-up. Additionally, contacts are spring-loaded to assure more consistent conductivity and extend the life of each GFCI device. Woodhead offers a complete series of OSHA – and NEC compliant portable 15 amp ground fault circuit interrupter plug products ranging from protected cordsets to outlet boxes.



### User Attachable GFCI Plug

NEMA CONFIG.	CONFIG. AMPS/HZ/VOLTS		CORD LENGTH	PART NO.
5-15 🛍 🐧	15A 50/60HZ 120VAC	_	_	15054



GFCI Plug with pigtail and molded connector

NEMA CONFIG.	AMPS/HZ/VOLTS	CORD TYPE CORD LENGTH		PART NO.
5-15 🛍 🛈	15A 50/60HZ 120VAC	14/3 SJTW	9"	15054-1



#### Weather-Resistant Outlet Box

GFCI plug and outlet box containing two duplex receptacles

NEMA CONFI		AMPS/HZ/VOLTS	CORD TYPE	CORD LENGTH	PART NO.
5-15	(i) (i)	15A 50/60HZ 120VAC	12/3 SJTW	18"	15053W-2
			12/3 SJTW	25'	15053W-25
			12/3 SJTW	50'	15053W-50



GFCI plug with outlet box containing two duplex receptacles

NEMA CONFI		AMPS/HZ/VOLTS	CORD TYPE	CORD LENGTH	PART NO.
5-15	(1) (1)	15A 50/60HZ 120VAC	12/3 SJTW	18"	15053-2
			12/3 SJTW	25'	15053-25
			12/3 SJTW	50'	15053-50



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

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#### **GFCI PLUG** •



Multi-Tap® Boxes with surge-protected or GFCI-protected duplex receptacles

CONFIGURATION	NUMBER OF DUPLEX	AMPS/HZ/VOLTS	WITH SURGE PROTECTION	WITH GFCI PROTECTION	WITH SURGE & GFCI PROTECTION
NEMA 5-15 🕮 🗓	2	15A 50/60HZ 120VAC	3500S	3500PLG	3500SPLG
NEMA 5-15 (1) (1)	3	15A 50/60HZ 120VAC	3510S	3510PLG	3510SPLG

<sup>1 3500</sup>S AND 3510S FEATURE SOOW CORD.



#### **PORTABLE OUTLET BOXES**

#### **GFCI OUTLET BOXES**

Woodhead offers cost effective GFCI protection featuring ground continuity monitors and duplex receptacles for either industrial, heavy-duty use or wet/damp locations. One side of the enclosure accommodates an open-neutral sensing relay which detects and prevents operation under life-threatening conditions. MAX-LOC® cord grip (F3) is standard on both series of boxes and the GFCI protected FD outlet box features additional wire mesh strain relief.

#### Super-Safeway® Outlet Boxes

with 15 or 20 amp GFCI duplex receptacle with flip lid and ground continuity monitor. 6 ft. 12 gauge/3 conductor SOOW cord

CONFIGURATION		AMPS/HZ/VOLTS	PART NO.
NEMA 5-15	(1) (1)	15A 50/60HZ 120V	3070-GFI <sup>1</sup>
			3080-GFI
NEMA 5-20	(i)	20A 50/60HZ 120V	3080-GFI20

<sup>&</sup>lt;sup>1</sup> DOES NOT INCLUDE GROUND CONTINUITY MONITOR





## Watertite® GFCI Duplex FD Outlet Box

NEōTEX® rubber FD boxes with GFCI protection, with or without cord and ground continuity monitor. When properly mated with a Woodhead Watertite® plug, the receptacle connection meets the requirements of NEMA Type 4X.

CONFIGURATION	AMPS/HZ/VOLTS	WITH CORD, RECEPTACLE & PLUG	CORD Type	WITH GROUND CONTINUITY MONITOR	WITHOUT GROUND CONTINUITY MONITOR
NEMA 5-15 (1) (1)	15A 50/60HZ 120V		_	_	3301GF
		•	14/3 S00W	3301GGF_143	3301GF_143
NEMA L5-15 🕲 😧	15A 50/60HZ 120V		_	_	3302GF
		•	14/3 S00W	3302GGF_143	3302GF_143
NEMA 5-20 🚳 🛈	20A 50/60HZ 120V		_	_	3304GF
		•	12/3 S00W	3304GGF_123	3304GF_123

**Primary Cord Length:** Use the following chart to specify the length of the primary cord.

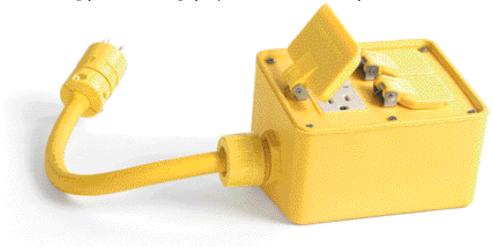
3301GGF	Ļ	143
CORD LENGTH	<u> </u>	
6'	L	
25'	Α	

100' . . . . . D



#### **GFCI OUTLET BOXES**

This heavy-duty angled outlet box of molded NEōTEX® rubber with a non-metallic, weather-resistant cover, accommodates two duplex, or one duplex and one single receptacle, all protected by spring-loaded flip lid covers and GFCI. This box also features an open-neutral sensing relay which detects and prevents operation under life-threatening conditions. The angled design provides a natural arc of bend strain relief for any tools, cordsets, or lighting product it is powering and protecting. The MAX-LOC® cord grip (F3) secures the high quality 12/3 SOOW cable used on this product.



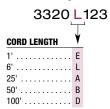
#### Angled GFCI Outlet Box

4-outlet GFCI protected boxes with one or two duplex receptacles, Super-Safeway® plug and a 12 gauge/3 conductor SOW cord

CONFIGURATION	AMPS/HZ/VOLTS	LOCKING BLADE (L)	STANDARD BOX	STANDARD BOX WITH CONTINUITY MONITOR	FEED-THRU BOX'	FEED-THRU BOX WITH CONTINUITY MONITOR <sup>1</sup>
NEMA 5-15	15A 50/60HZ 120V		3320_123	3327_123	3320F_123	3327F_123
NEMA 5-15 & L5-15	15A 50/60HZ 120V	•	3321_123	3323_123	3321F_123	3323F_123
NEMA 5-20	20A 50/60HZ 120V		3322_123	3324_123	3322F_123	3324F_123
NEMA 5-20 & L5-20	20A 50/60HZ 120V	•	3325_123	3326_123	3325F_123	3326F_123

1 FEED-THRU VERSIONS COME COMPLETE WITH 6 FEET OF SECONDARY CORD

**Primary Cord Length:** Use the following chart to specify the length of the primary cord.







#### **PORTABLE OUTLET BOXES**

#### **GFCI OUTLET BOXES**

This heavy-duty GFCI outlet box of molded NEoTEX® rubber with non-metallic or rubber coated metal cover plates, accommodate two single, two duplex, or three single receptacles protected by a GPCI switch. This box also features an open-neutral sensing relay which detects and prevents operation under life-threatening conditions. The Watertite® receptacles are protected by rubber closure caps when they are not in use. The MAX-LOC® cord grip (F3) secures the high quality 12/3 SOOW cable used on this product with Super-Safeway® plugs on weather-resistant versions and Watertite® plugs on the wet location product.

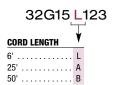


## Heavy-Duty GFCI Outlet Box

With weather-resistant flip lids and primary Super-Safeway Plugs or Watertite® outlets with primary Watertite® plugs. 12 gauge, 3 conductor SOOW cord. Weather-resistant flip lid products contain two duplex receptacles or 4 outlets.

		WEATHER-RESIS	STANT FLIP LIDS	WATERTITE OUTLETS	
		WITHOUT GROUND	WITH GROUND	WITH TWO	WITH THREE
CONFIGURATION	AMPS/HZ/VOLTS	CONTINUITY MONITOR	CONTINUITY MONITOR	OUTLETS	OUTLETS
NEMA 5-15 🕮 🤄		32G15_123	32GM15_123	32HG15_123	32WG15_123
NEMA 5-20 🚯 🤄	20A 50/60HZ 120V	32G20_123	32GM20_123	32HG20_123	32WG20_123

**Primary Cord Length:** Use the following chart to specify the length of the primary cord.







MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER. SEE PAGES 262-269.

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#### **GFCI OUTLET BOXES** •

Woodhead GFCI flexible solutions are available with portable workstations and drop-down pendant boxes. Workstations are molded of high strength, non-conductive, glass-reinforced polyester while pendant boxes deliver power to remote locations with NEōTEX® rubber enclosures and Watertite® duplex receptacles which meet the requirements of NEMA type 4X when properly mated with a Woodhead Watertite® plug. GFCI pendant stations also feature proper strain and support relief with wire mesh grips for proper installation. These boxes also feature an open-neutral sensing relay which detects and prevents operation under life-threatening conditions.

GFCI Portable Workstation with 6 ft. 12 gauge, 3 conductor SOOW cord and

125V straight-blade plug

PLUG CONFIG.	SIDE A GFCI CONFIGURATION	SIDE B CONFIGURATION	SIDE C CONFIGURATION	AMPS/HZ/VOLTS	PART NO.
NEMA 5-15 🕆 🗘	DUPLEX NEMA 5-15	DUPLEX NEMA 5-15 (1)(1)	DUPLEX NEMA 5-15 (1)(1)(1)	15A 50/60HZ 120V	3493
NEMA 5-20 ⊕ 🛈	DUPLEX NEMA 5-20	DUPLEX NEMA 5-20 🚳 🚳 🕻	DUPLEX NEMA 5-20 🚳 😘 (	20A 50/60HZ 120V	3494
NEMA 5-20 📆	DUPLEX NEMA 5-20	SINGLE NEMA L5-20 🚳	SINGLE NEMA L5-20 🚳	20A 50/60HZ 120V	3492



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.



#### GFCI Pendant Boxes<sup>1</sup>

Pre-wired GFCI protected pendant boxes with Watertite® duplex or single receptacles

CONFIGURATION	AMPS/HZ/VOLTS	DUPLEX FLIP LIDS AND RECEPTACLES	SINGLE FLIP LIDS AND RECEPTACLES	LOCKING Blade (L)	CORD TYPE	PART NO.
NEMA 5-15 (1) (1)	15A 50/60HZ 120V	•			14/3 S00W	70W47_143GF
NEMA L5-15 (2)	15A 50/60HZ 120V	•		•	14/3 S00W	75W47_143GF
NEMA 5-20 ⊕ 🛈	20A 50/60HZ 120V	•			12/3 S00W	70W33_123GF
NEMA L5-20 🚱 🕠	20A 50/60HZ 120V		•	•	12/3 S00W	77W47_123GF

<sup>1</sup> GFCI PENDANT BOXES DO NOT FEATURE OPEN-NEUTRAL SENSING RELAY

**Primary Cord Length:** Use the following chart to specify the length of the primary cord.

70W47	•	Ü
CORD LENGTH	¥	
6'	L	
15'	М	
25'	Δ	

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#### MULTIPLE OUTLET BOXES - 3000 Series

Woodhead's Super-Safeway® duplex and single receptacle outlet boxes are listed for portable usage and provide the safety and reliability required on today's job sites. Made of durable NEōTEX® rubber to withstand the impact of drops, bumps, and other damage consistent with industrial use, these boxes provide the peace of mind that their exterior will not become energized by loose wire contacts, unlike common metal junction boxes. Standard depth 3-3/8" and extended depth 4-3/8" boxes accommodate multiple receptacle types with various degrees of weather protection. Choose pre-wired Woodhead solutions or make your own portable power outlet box. Spring-loaded flip lid boxes feature MAX-LOC® cord grips while standard outlet boxes come with a screw-tight cord clamp.



## Super-Safeway Standard Depth Outlet Box (3-3/8") with two duplex or two single receptacles

		WITH PLUG AND	TWO DUPLE)	( OUTLET BOX	TWO SINGLE	OUTLET BOX
CONFIGURATION		14/3 AWG CORD	STANDARD	WITH FLIP LIDS (F2)	STANDARD	WITH FLIP LIDS (F2)
NEMA 5-15	(i) (i)		3000-1	3005-1	_	_
		•	3000-1_1431	3005-1_1431	_	_
NEMA 5-20	♠		3000-10	_	_	_
		●12/3 AWG	3000-10_1231	_	_	_
NEMA L1-15	33		3000-6	3005-6	_	_
		•	3000-6_1421	3005-6_1421	_	_
NEMA L5-15	<b>©</b>		3000-2	3005-2	3001-2	3006-2
		•	3000-2_1431	3005-2_1431	3001-2_1431	3006-2_1431
NON-NEMA	<b>©</b>		3000-8	3005-8	_	_
		•	3000-8_1431	3005-8_1431	_	_
WITH COVERPLAT	E ONLY		3000	3005	_	_
1.39" DIAMETER			_	_	3001	3006
1.56" DIAMETER			_	_	3003	3008
CORD DIAMETER	RANGES		0.325-0.655"	0.312-0.625"	0.325-0.655"	0.312-0.625"

## Super-Safeway Extended Depth Outlet Box (4-3/8") with two duplex or two single receptacles

	WITH PLUG AND	TWO DUPLEX	OUTLET BOX	TWO SINGLE OUTLET BOX	
CONFIGURATION	12/3 SOW CORD	STANDARD	WITH FLIP LIDS (F3)	STANDARD	WITH FLIP LIDS (F3)
NEMA 5-15 🗓 🛈		3080-1	3085-1	_	_
NEMA 5-20 ⊕ 🛈		3080-10	3085-10	_	_
	•	3080-10_1231	3085-10_1231	_	_
NEMA L1-15 ©©		3080-6	3085-6	_	_
NEMA L5-15 🙂 😊		3080-2	3085-2	3081-2	3086-2
NEMA L2-20		_	_	3081-7	3086-7
	•	_	_	3081-7_1221	3086-7_1221
NEMA L5-20		_	_	3083-3	3088-3
	•	_	_	3083-3_1231	3088-3_1231
NON-NEMA 🐯 🙃		3080-8	3085-8	_	_
		_	_	3083-9	3088-9
	•	_		3083-9_1231	3088-9_1231
WITH COVERPLATE ONLY		3080	3085	_	_
1.39" DIAMETER		_	_	3081	3086
1.56" DIAMETER		_	_	3083	3082
CORD DIAMETER RANGES		0.325-0.655"	0.500-0.750"	0.325-0.655"	0.500-0.750"

NOTE: FOR UV RESISTANT BLACK BOXES, ADD SUFFIX "BLK" TO NUMBER. FOR GFCI PROTECTION:

ADD "PLG" SUFFIX FOR THE ADDITION OF 15A, 120V, GFCI PLUG. ADD "IN" SUFFIX FOR THE ADDITION OF 15-20A, 120/240V INLINE GFCI. FOR COMPONENT PARTS AND ACCESSORY INFO, SEE PAGE 144. FOR WIRE MESH GRIPS, SEE PAGES 161 & 209.

<sup>1</sup> Primary Cord Length: Use the following chart to specify the length of the primary cord.

3080-10 E 123

CORD LENGTH

1' ..... E
25' .... A
50' .... B
100' .... D



#### **MULTIPLE OUTLET BOXES** - 3000 Series •

Feed-through boxes are a convenient way to string power to multiple points.





## Super-Safeway® Standard Depth Feed-Thru Outlet Box (3-3/8")

With F2 cord grip. Available with two duplex or two single receptacles

	TWO DUPLEX	OUTLET BOXES	TWO SINGLE OUTLET BOXES		
CONFIGURATION	STANDARD	WITH FLIP LIDS	STANDARD	WITH FLIP LIDS	
NEMA 5-15 (i) (ii)	3000F-1	_	_	_	
WITH COVERPLATE ONLY	3000F	3005F			
1.39" DIAMETER			3001F	3006F	
1.56" DIAMETER	_	_	3003F	3008F	
CORD DIAMETER RANGES	0.312-0.625"	0.312-0.625"	0.312-0.625"	0.312-0.625"	





## Super Safeway Extended Depth Feed-Thru Outlet Box (4-3/8")

With F3 cord grip. Available with two duplex or two single receptacles

	TWO DUPLEX	OUTLET BOXES	TWO SINGLE OUTLET BOXES		
CONFIGURATION	STANDARD	WITH FLIP LIDS	STANDARD	WITH FLIP LIDS	
NEMA 5-15 (1) (1)	3080F-1	_	_	_	
WITH COVERPLATE ONLY	3080F	3085F	_	_	
1.39" DIAMETER			3081F	3086F	
1.56" DIAMETER	_	_	3083F	3088F	
CORD DIAMETER RANGES	0.500-0.750"	0.500-0.750"	0.500-0.750"	0.500-0.750"	

NOTE: FOR COMPONENT PARTS AND ACCESSORY INFO, PLEASE SEE PAGE 144.

FOR WIRE MESH GRIPS, SEE PAGES 161 & 209. FOR UV RESISTANT BLACK, ADD SUFFIX "BLK" TO PART NUMBER.





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## MULTIPLE OUTLET BOXES – 3000 Series Replacement Parts







#### **Outlet Boxes**

OUTLET BOX DEPTH	SCREW CLAMP GRIP	ONE MAX-LOC® GRIP	TWO MAX-LOC® GRIPS
STANDARD 3-3/8"	3050	3059 (F2)	3050F (F2)
EXTENDED 4-3/8"	3090	3099 (F3)	3090F (F3)
EXTENDED 4-3/8"	_	3091 (F4)	3091F (F4)

## Coverplates for Standard Outlet Boxes



duplex receptacle part no. 3051



single receptacle 1.39" opening

part no. 3052



single receptacle 1.56" opening

part no. 3055



GFCI part no. 3060

## Coverplates for Weather-Resistant Outlet Boxes



duplex receptacle with flip lids part no. 3056



single receptacle 1.39" opening with flip lids part no. 3057



single receptacle 1.56" opening with flip lids

part no. 3058



GFCI with flip lids part no. 3061



blank coverplate part no. 3054



GFCI clear silicone Watertite® part no. 3363



#### **MULTIPLE OUTLET BOXES** - Pendant Drops •

U.L. listed, CSA certified for damp or wet locations. Local protection for worksites where permanent outlets are not available. Two Watertite® single or duplex receptacles are mounted on a durable corrosion-resistant NEōTEX® rubber enclosure with spring-loaded flip lid covers. Meets the requirements of NEMA Type 4X when properly mated with a Woodhead Watertite® plug. MAX-LOC® cord grip (F3), and wire mesh cord grip are standard. Available in 15A and 20A straight-blade or locking configurations.

### Pre-wired Pendant with Two Duplex Receptacles and Flip Lids

CONFIGURATION	CORD TYPE	CORD LENGTH	PART NO.
NEMA 5-15 🛍 🛈	14/3 S00W	6'	70W47L143
		15'	70W47M143
		25'	70W47A143
NEMA L5-15 🕲 🕲	14/3 S00W	6'	75W47L143
		15'	75W47M143
		25'	75W47A143
NEMA 5-20 (1)	12/3 S00W	6'	70W33L123
		15'	70W33M123
		25'	70W33A123

### Pre-wired Pendant with Two Watertite® Single Receptacles and Flip Lids

CONFIGURATION		CORD TYPE	CORD LENGTH	PART NO.
NEMA L5-20	(i) (i)	12/3 SOW	6'	77W47L123
			15'	77W47M123
			25'	77W47A123





#### FS/FD Outlet Box

DESCRIPTION	STANDARD	FEED-THRU	
4-1/4" DEPTH	3065	3066	



#### Coverplates for FS/FD Outlet Boxes

DESCRIPTION	PART NO.
CLEAR SILICONE WATERTITE® COVERPLATE WITH 20A/125V GFCI	3362GF
DUPLEX WATERTITE® COVERPLATE	60W47DPLX
SINGLE WATERTITE® COVERPLATE	60W47



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

143 WOODHEAD WOODHEAD 143

#### MULTIPLE OUTLET BOXES - 3200 Series

Woodhead's Super-Safeway® heavy duty duplex and single receptacle outlet boxes are listed for portable usage and provide the safety and reliability required on today's job sites. Made of durable NEōTEX® rubber to withstand the impact of drops, bumps, and other damage consistent with industrial use, these boxes provide the peace of mind that their exterior will not become energized by loose wire contacts, unlike common metal junction boxes. These boxes accommodate one or two single receptacles or two duplex receptacles per side (receptacles not included).







FOR RECEPTACLES SEE WIRING DEVICE SECTION PAGES 48-125.

#### Industrial Grade Heavy-Duty Outlet Box

COVERPLATE ACCEPTS:	HOLE DIAMETER	вох	BOX WITH FLIP LIDS
(2) DUPLEX RECEPTACLES	_	3210	3215
(1) 20A SINGLE LOCKING RECEPTACLE	1.562"	3220	3225
(1) 30A SINGLE LOCKING RECEPTACLE	1.718"	3230	3235
(2) 20A SINGLE LOCKING RECEPTACLES	1.562"	3240	3245
(2) 30A SINGLE LOCKING RECEPTACLES	1.718"	3250	3255
(2) BLANK COVERPLATES	_	3200	_

# Watertite<sup>®</sup> Heavy-Duty Outlet Box

Box with metal-reinforced molded rubber coverplates accommodating two outlets in each plate (four outlets total) in several configurations (receptacles included). Woodhead Watertite® outlets are designed with a soft rubber molded lip to form a weather resistant seal when used with a Watertite® plug. Rubber closure caps seal outlets when not in use.

CONFIGURATION		BOX ONLY	BOX WITH 25' 12/3 SOW CORD
NON-NEMA <sup>1</sup>	<b>⊕</b>	32W07	_
NEMA 5-20	<b>(i)</b>	32W33	32W33A123
NEMA 5-15	(i) (i)	32W47	32W47A123
NON-NEMA LOCKING	<b>©</b>	35W07	_
NEMA L7-15	<b>©</b>	35W34	_
NEMA L5-15	© <b>©</b>	35W47	35W47A123

 $<sup>^{\</sup>mbox{\tiny 1}}$  3 POLE, 3 WIRE CROWFOOT 10A 250V / 15A 125V  $\!\!\!^{\mbox{\tiny T}}$ 





MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER. SEE PAGES 262-269.

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#### **MULTIPLE OUTLET BOXES** - 3200 Series Replacement Parts •

#### Boxes (F3 Fittings)





Grommets F3

CORD DIAMETER	COLOR	PART NO.
0.187-0.250"	ORANGE	00-4985
0.250-0.375"	GRAY	00-4986
0.375-0.437"	GREEN	00-4987
0.437-0.562"	BLACK	00-4980
0.500-0.625"	GRAY	00-4981
0.562-0.687"	GREEN	00-4982
0.625-0.750"	ORANGE	00-4983
0.687-0.812"	YELLOW	00-4984

Coverplates for Weather-Resistant

#### Coverplates for Standard Outlet Boxes



part no. 3262

1.72" opening

part no. 3264

1.72" opening



1.56" opening

part no. 3263

1.56" opening

part no. 3265

part no. 3261



**Outlet Boxes** 







part no. 3262W 1.72" opening

part no. 3263W 1.56" opening





Coverplate for Watertite® Outlet Boxes



FOR USE WITH

NON-NEMA	<b>②⊙</b>	NON-NEMA 🚳 🏵
NEMA 5-15	(i) (i)	NEMA L7-15 🗓 🕃
NEMA 5-20	(°)	NEMA L5-15 🕲 🖸

#### PORTABLE OUTLET BOXES

#### MULTIPLE OUTLET BOXES – Angled

Factory assembled, pre-wired angled outlet box features a molded NEōTEX® rubber housing and non-metallic coverplates as well as a rugged Super-Safeway® plug and 12/3 SOW cable. They also are available with weather-resistant spring-loaded flip lid covers. The natural angle design of the box provides arc of bend relief for cords that are powered by this box. The primary plugs for pre-wired boxes match the configuration of the receptacles.



#### Angled Outlet Boxes

CONFIGURATION	RECEPTACLE TYPE	LOCKING BLADE	STANDARD BOX	STANDARD BOX WITH FLIP LIDS AND PLUG	FEED-THRU BOX	FEED-THRU BOX WITH FLIP LIDS AND PLUG
NEMA 5-15 🕮 🛈	TWO DUPLEX		3330_123	3330R_123	3330F_123	3330RF_123
NEMA L5-15 🕲 🕲	TWO DUPLEX	•	3331_123	3331R_123	3331F_123	3331RF_123
NEMA 5-20 🚳 🚯	TWO DUPLEX		3332_123	3332R_123	3332F_123	3332RF_123
NEMA L5-20 🚳 🙃	TWO SINGLE	•	3333_123	3333R_123	3333F_123	3333RF_123

<sup>&</sup>lt;sup>1</sup> **Primary Cord Length:** Use the following chart to specify the length of the primary cord.

3330	E <sub>123</sub>
CORD LENGTH	<u> </u>
1'	Е
6'	L
25'	Α
50'	В

#### FACTORY-WIRED 3-PHASE STRINGER SETS

Factory pre-wired portable outlet boxes and cords distribute power safely and easily. Each stringer set contains three 20A 2-pole, 3-wire portable duplex outlet boxes on 10 ft. centers. 30 ft. of 12/5 or 12/4 SOW cable per unit. Weather-resistant NEōTEX® rubber enclosures. Super-Safeway® plugs and MAX-LOC® nylon cord sealing grips. Available in high-visibility yellow or a low profile black.

#### Portable Outlet Box Cordsets

RUBBER BOXES	POLYCARBONATE BOXES	PLUG	PHASE BOX 1	PHASE BOX 2	PHASE BOX 3	SOW Cable
3095-000	3095-010	NONE	Α	В	С	12/5
3095-001	3095-011	NONE	A/B	B/C	C/A	12/5
3095-002	3095-012	L21-20	Α	В	С	12/5
3095-003	3095-013	L21-20	A/B	B/C	C/A	12/5
3095-004	3095-014	NONE	A/B	A/B	A/B	12/4
N/A	3095-015	L14-20	A/B	A/B	A/B	12/4
N/A	3095-016	NON-NEMA	Α	В	С	12/5
N/A	3095-017	NON-NEMA	A/B	B/C	A/C	12/5

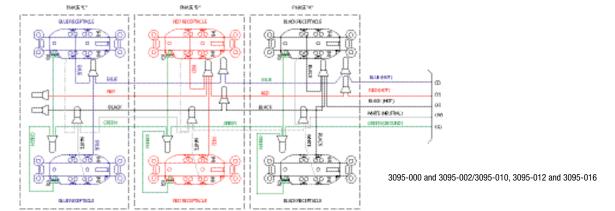
NOTE: FOR BLACK BOXES, ADD "BLK" SUFFIX TO PART NUMBER.

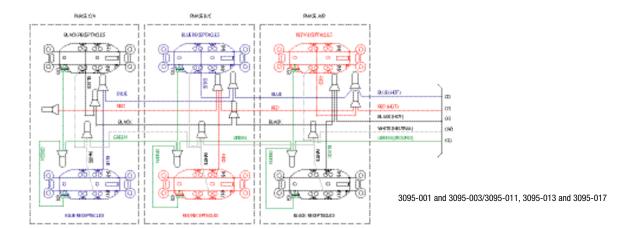


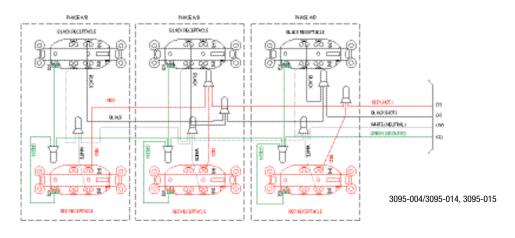


### FACTORY-WIRED 3-PHASE STRINGER SETS (cntd.)

#### Wiring Schematics:







#### → PORTABLE OUTLET BOXES

#### MULTIPLE OUTLET BOXES - Illuminated

Shatterproof Teflon® globe mounted on heavy-duty NEōTEX® rubber box containing four single or four duplex receptacles. Standard duplex receptacles protected by spring-loaded flip lid covers; Watertite® single receptacles protected by rubber closure caps. MAX-LOC® F3 cord grip with mesh grip included. Cord diameter range 0.562-0.687". Meets NFPA 1901 requirements.



### Illuminated Multiple Outlet Box

NEMA		DUPLEX WITH FLIP LID			SIN	SINGLE WITH FLIP LID			WATERTITE SINGLE			
CONFIGURA	ATION	W/O CABLE	1' 14/3 SOW	50' 14/3 SOW	W/O CABLE	1' 12/3 SOW	50' 12/3 SOW	W/O CABLE	1' 14/3 SOW	50' 14/3 SOW		
5-15	(i) (i)	3290-1	3290-1E143	3290-1B143	_	_	_	32W90-1	32W90-1E143	32W90-1B143		
L5-15	<b>©</b>	3290-2	3290-2E143	3290-2B143	_	_	_	32W90-2	32W90-2E143	32W90-2B143		
NON-NEMA LOCKING <sup>1</sup>	33	3290-8	3290-8E143	3290-8B143	_	_	_	32W90-8	32W90-8E143	32W90-8B143		
L5-20	(i) (i)	_	_	_	3290-3	3290-3E123	3290-3B123	_	_	_		
NON-NEMA LOCKING <sup>2</sup>	00	_	_	_	3290-9	3290-9E123	3290-9B123	_	_	_		

<sup>&</sup>lt;sup>1</sup> 2 Pole, 3 Wire 15A 125V/10A 250V

<sup>&</sup>lt;sup>2</sup> 2 Pole, 3 Wire 20A 250V



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

148 WOODHEAD CALL US TODAY! 800-225-7724

#### **MULTIPLE OUTLET BOXES - 3400 Series •**

Black NEōTEX® rubber boxes with unbreakable vinyl coated faceplate. Available with fuses; circuit breakers (NRTL/C); flip lid covers; industrial grade duplex receptacles; MAX-LOC® (F4) cord type grips (1 in. NPT, weather resistant, cord diameter range 0.500-0.875"); Motorbase inputs or outputs; and an assortment of NEMA configurations. Products are suitable for heavy industrial/contractor use, film, T.V. and stage production.



#### Standard Box with MAX-LOC® Input Connector

DESCRIPTION	RECEPTAC CONFIGURA		MOTORBASE CONFIGURATION	FLIP LID	NO PROTECTION	WITH BREAKER	WITH FUSE
(4) DUPLEX RECEPTACLES, 1 PHASE	NEMA 5-15	(1) (1)	NONE		3400	3410	3420
				•	3400L	3410L	3420L
	NEMA 5-20	(î) (i)	NONE		3400-20	3410-20	3420-20
				•	3400L-20	3410L-20	3420L-20
(3) DUPLEX RECEPTACLES, 3 PHASE	NEMA 5-15 (1) (1)	(i) (i)	NONE		3403	3413	3423
				•	3403L	3413L	3423L
	NEMA 5-20	⊕	NONE		3403-20	3413-20	3423-20
				•	3403L-20	3413L-20	3423L-20

#### Feed-Thru Box with MAX-LOC® Input Connector & Motorbase Receptacle

DESCRIPTION	RECEPT/ CONFIGUR		MOTORBA CONFIGURA		FLIP LID	NO PROTECTION	WITH BREAKER	WITH FUSE
(3) DUPLEX RECEPTACLES, 1 PHASE	NEMA 5-15	(i) (i)	NEMA 5-15	(i) (i)		3400F	3410F	3420F
					•	3400FL	3410FL	3420FL
	NEMA 5-20	(i) (i)	NEMA 5-20	(i) (i)		3400F-20	3410F-20	3420F-20
					•	3400FL-20	3410FL-20	3420FL-20
(3) DUPLEX RECEPTACLES, 3 PHASE	NEMA 5-20	<b>⊕∴</b>	NEMA L21-20	<b>©</b>		3403F-20	3413F-20	3423F-20
					•	3403FL-20	3413FL-20	3423FL-20

#### Standard Box with Motor-Base Inlet

DESCRIPTION	RECEPTACLE CONFIGURATION		MOTORBASE CONFIGURATION	FLIP LID	NO PROTECTION	WITH BREAKER	WITH FUSE
(3) DUPLEX RECEPTACLES, 1 PHASE	NEMA 5-15	(i) (i)	NEMA 5-15 🐧 🐧		3400P	3410P	3420P
				•	3400PL	3410PL	3420PL
	NEMA 5-20	(h)	NEMA 5-20 🚯 🚯		3400P-20	3410P-20	3420P-20
				•	3400PL-20	3410PL-20	3420PL-20
(3) DUPLEX RECEPTACLES, 3 PHASE	NEMA 5-20	(i) (i)	NEMA L21-20 🐵 😉		3403P-20	3413P-20	3423P-20
				•	3403PL-20	3413PL-20	3423PL-20



www.woodhead.com

#### **PORTABLE OUTLET BOXES**

#### MULTIPLE OUTLET BOXES - Multi-Tap® Series

NEōTEX® rubber box with built-in copper buss bars. Molded-in cord grip and polycarbonate outlets. Rubber plug included (plug same as receptacle). Cord diameter range (for box only) 0.325-0.655".



#### Multi-Tap Outlet Boxes with Buss Bars

	BOX WITH 3 OUTLETS	PRE-WIRED	12/3 S0	W CORD	14/3 S	OW CORD
CONFIGURATION	EACH RATED:	BOX ONLY	25'	50'	25'	50'
NEMA 1-15 (1)(1)	2P 2W 15A/125V	31550	31550A122	31550B122	31550A142	31550B142
NON-NEMA औ€	3P 3W 15A/125V/10A/250V	31552	31552A123	31552B123	31552A143	31552B143
NEMA 5-20 🚳 🛈	2P 2W 20A/125V	315651	31565A123	31565B123	31565A143	31565B143
NEMA 5-15 (1) (1)	2P 3W 15A/125V	315931	31593A123	31593B123	31593A143	31593B143
NEMA 6-15 ⊕ 😌	2P 3W 15A/250V	31594	31594A123	31594B123	31594A143	31594B143
NEMA L5-15 🕲 🕲	2P 3W 15A/125V	325471	32547A123	32547B123	32547A143	32547B143
NON-NEMA 🛇 🔾	3P 3W 15A/125V/10A/250V	32553	32553A123	32553B123	32553A143	32553B143
NON-NEMA	3P 3W 20A/125V/250V	32708	32708A123	32708B123	32708A143	32708B143
NEMA L5-20 🚳 🙃	2P 3W 20A/125V	327471	32747A123	32747B123	32747A143	32747B143

<sup>1</sup> TO ORDER WITH A GROUND CONTINUITY MONITOR, ADD "GCM" SUFFIX TO WOODHEAD NUMBER (EX. 31593 GCM) NOTE: OTHER COMBINATIONS OF CORD AND RECEPTACLES AVAILABLE ON SPECIAL ORDER, CONSULT FACTORY.

FOR GFCI PROTECTION: ADD "PLG" SUFFIX FOR ADDITION OF 15A, 120V GFCI PLUG. ADD "IN" SUFFIX FOR ADDITION OF 15-20 AMP, 120/240V INLINE GFCI.



#### Multi-Tap Strip and Cordset

U.L. listed. Two-piece nylon box with Woodhead's industrial grade duplex receptacles and MAX-LOC® cord grip (F2). Brass ground buss bar. Two or three 15A straight-blade duplex receptacles with manual reset type circuit breaker. Yellow unit wired with 8 ft. SOOW 14/3 cord with 3-prong, straight-blade, right-angle plug. Black version wired with 8 ft. SY 14 gauge, 3 conductor cord with 3-prong, straight-blade, straight-body plug.

CONFIGURATION	2 DUPLEX RECEPTACLES	3 DUPLEX RECEPTACLES	
NEMA 5-15 🛍 🕦	3500	3510	

#### **MULTIPLE OUTLET BOXES - Miscellaneous**

Rigid, self-extinguishing vinyl box with nylon coverplate, polycarbonate cord clamp and outlets. Two 15 amp 125 volt grounding, NEMA 5-15 receptacles. SPT 300 volt cordset with molded plug.



#### **Drop Cord**

CONFIGURATION		NO CORD	25' CORD	50' CORD	
NEMA 5-15	(i) (i)	440	442	445	

FOR GFCI PROTECTION: ADD "PLG" SUFFIX FOR THE ADDITION OF A 15A/120V GFCI PLUG.

ADD "IN" SUFFIX FOR THE ADDITION OF A 15-20A, 120/240V INLINE GFCI.

#### Replacement Parts

DESCRIPTION	PART NO.
BOX ONLY	446
FEEDTHROUGH BOX W/ NEMA 5-15 RECEPTACLES	440F
FEEDTHROUGH BOX ONLY	446F

#### Pendant Quad-Tap

Bell-shaped housing of NEōTEX® rubber compounded to retain resilience at sub-zero temperatures. MAX-LOC® (F3) compression grip. Recessed yellow plastic outlets or transparent outlets with neon lamp. Hanging bracket included. Wire mesh grip optional. Cord diameter range 0.437 -0.750". Contains four receptacles in either locking or straight-blade configurations.

CONFIGURAT	PART NO.	
NEMA 5-15	(i) (i)	340471
NEMA L5-15	(3)(2)	34547
NEMA 5-20	(î) (i)	34048

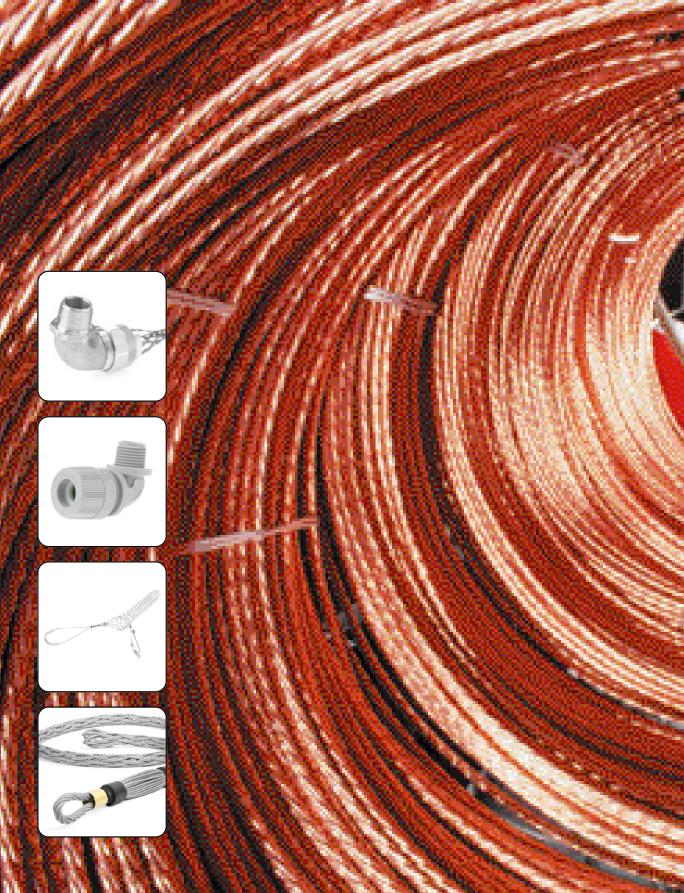
<sup>1</sup> FOR LIGHTED RECEPTACLES, ADD "L" SUFFIX. EXAMPLE: PART NO. 34047L

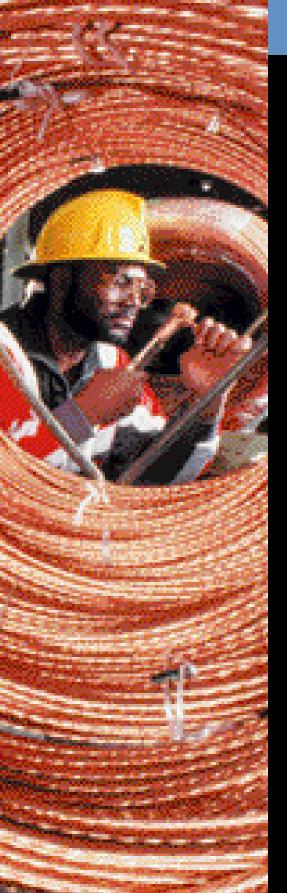






MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.





Tough and dependable, Woodhead cable grips and cord grip bodies are reliable workhorses in any plant environment. They serve as flexible holding devices used to pull cable, rope, or tubing into place, and then support the weight of it, once it's installed. They render strain-relief that prevents cable pullout and reduces the arc of bend at points of wire connections or terminations.

Woodhead cable grips and cord grip bodies won't loosen their hold over the long haul. By distributing stress over a large area, they prevent damage to the wire, rope, tubing, or fiber optic cable to which they are applied.

Woodhead offers an incredibly broad line of Wire Mesh Cable Grips and cord grip bodies, including Strain-Relief Grips, Pulling Grips, and Support Grips.

#### **Strain-Relief Grips**

Available as a fitting only, or with the addition of wire mesh, they are used to connect cord or cable to electrical enclosures and equipment. Strain-relief grips prevent cable or conduit from pull-out as the result of tension at the point of termination. Wire mesh strain relief grips reduce the arc of bend, which distributes strain over the length of mesh and effectively prolongs cable life.

#### **Pulling Grips**

Durable Woodhead pulling grips serve as reusable tools for pulling insulated conductors, bare wires, cable, nylon and wire rope, fiber optic cable, etc., in overhead, underground and in-plant cable pulls.

### **Support Grips**

Available for use indoors and outdoors, support grips distribute the weight of the vertical or sloping runs of electrical and fiber optic cable, metal rods, tubing or hose, over the entire length of the grip so that damage does not occur. A variety of hangers and bales are available. For added corrosion resistance, support grips are available in stainless steel.

#### **STRAIN RELIEF** Deluxe Cord Grips

Deluxe cord grips are woven of stainless steel mesh with an aluminum body for corrosion resistance. They are offered in single/double weave construction to help absorb direct pull, to resist flexing and binding, and to eliminate strain. They are recommended for indoor or outdoor use where subjected to moisture in the wiring of pendant stations, processing equipment, hand tools, and extension cord sets. U.L. listed and CSA certified. Deluxe grips are suitable for use in hazardous locations per Class I, Div. 2; Class II, Div. 1 & 2; and Class III, Div. 1 & 2. They are also suitable for use in wet locations so long as the listed gasket is used between box and fitting (see page 160).









#### 3/8" NPT Deluxe Cord Grips

CABLE DIAMETER RANGE	STRAIGHT MALE PART NO.	90° MALE Part no.				
0.187-0.250"	36490	36496				
0.250-0.312"	36430	36436				
0.312-0.375"	36431	36437				
0.375-0.437"	36432	36438				

#### 1/2" NPT Deluxe Cord Grips

CABLE DIAMETER RANGE	STRAIGHT MALE PART NO.	90° MALE PART NO.	45° MALE Part No.	STRAIGHT FEMALE PART NO.
0.187-0.250"	36250	36340	36310	36280
0.250-0.375"	36251	36342	36312	36282
0.375-0.500"	36254	36344	36314	36284
0.500-0.625"	36256	36346	36316	36286
0.625-0.750"	36245	_	_	_
0.750-0.875"	36246	_	_	_



### **STRAIN RELIEF** Deluxe Cord Grips •

#### 3/4" NPT Deluxe Cord Grips

CABLE DIAMETER RANGE	STRAIGHT MALE PART NO.	90° MALE PART NO.	45° MALE Part No.	STRAIGHT FEMALE PART NO.
0.250-0.375"	36257	36347	36317	36290
0.375-0.500"	36259	36349	36319	36292
0.500-0.625"	36261	36351	36321	36294
0.625-0.750"	36263	36353	36323	36296
0.750-0.875"	36248	_	_	_

#### 1" NPT Deluxe Cord Grips

CABLE DIAMETER RANGE	STRAIGHT MALE PART NO.	90° MALE Part No.	45° MALE PART NO.	STRAIGHT FEMALE PART NO.
0.437-0.562"	36249	36829	36826	36818
0.562-0.687"	36275	36830	36827	36819
0.625-0.750"	36265	36355	36326	36298
0.750-0.875"	36267	36357	36328	36300
0.875-1.000"	36269	36359	36330	36302
1.000-1.125"	36270	_	_	_
1.125-1.250"	36276	_	_	_

#### 1-1/4" NPT Deluxe Cord Grips

CABLE DIAMETER RANGE	STRAIGHT MALE PART NO.	90° MALE Part no.
0.750-0.875"	36277	36831
0.875-1.000"	36271	36361
1.000-1.125"	36272	36362
1.125-1.250"	36273	36363
1.250-1.375"	36274	36364

## 2" NPT Deluxe Cord Grips

CABLE DIAMETER RANGE	STRAIGHT MALE PART NO.	90° MALE Part No.
1.250-1.375"	36484	36834
1.312-1.437"	36279	36835
1.437-1.562"	36485	36497
1.562-1.687"	36486	36498
1.687-1.812"	36487	36499
1.750-1.875"	36488	36500
1.812-1.937"	36489	_
1.937-2.062"	36816	_
2.062-2.187"	36287	_
2.187-2.312"	36288	_
2.312-2.437"	36289	_

#### 2-1/2" NPT Deluxe Cord Grips

CABLE DIAMETER RANGE	STRAIGHT MALE PART NO.
1.687-1.812"	36800
1.812-1.937"	36801
1.937-2.062"	36802
2.062-2.187"	36803
2.187-2.312"	36804
2.312-2.437"	36805

#### 1-1/2" NPT Deluxe Cord Grips

CABLE DIAMETER RANGE	STRAIGHT MALE PART NO.	90° MALE Part No.
0.750-0.875"	36278	36469
0.875-1.000"	36475	36470
1.000-1.125"	36476	36471
1.125-1.250"	36477	36472
1.250-1.375"	36478	36473
1.312-1.437"	36479	_
1.437-1.562"	36480	_
1.562-1.687"	36481	_
1.687-1.812"	36482	_
1.750-1.875"	36483	_

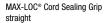
#### 3" NPT Deluxe Cord Grips

CABLE DIAMETER RANGE	STRAIGHT MALE PART NO.
1.688-1.812"	36806
1.812-1.937"	36807
1.937-2.062"	36808
2.062-2.187"	36809
2.187-2.312"	36810
2.312-2.437"	36811
2.437-2.625"	36812
2.625-2.812"	36813
2.812-3.000"	36814
3.000-3.250"	36815



### STRAIN RELIEF MAX-LOC® Cord Sealing Grips - Straight

MAX-LOC cord sealing grips are nylon devices used to connect electrical cables to boxes, cabinets, pushbuttons, enclosures, etc. They are U.L. listed, CSA certified, liquid-tight, highly resistant to impact, and totally corrosion resistant. Non-metallic MAX-LOC cord sealing grips will not support combustion. The ratings are: wire mesh grip – 94HB; fitting – 94V-2. MAX-LOC products are suitable for use in wet locations so long as the listed sealing ring is used between box and fitting. (See page 160.)







CABLE DIAMETER RANGE	MALE Part No.	REPLACEMENT GROMMET	GROMMET COLOR
0.075-0.135"	5398¹	00-0920	BLACK
0.135-0.200"	5400¹	00-0921	GRAY
0.200-0.265"	5402	00-0922	GREEN

# MAX-LOC Cord-Sealing Grips - 3/8" NPT Straight

CABLE DIAMETER RANGE	MALE Part No.	REPLACEMENT GROMMET	GROMMET COLOR
0.062-0.125"	5498¹	00-4965	BLACK
0.125-0.187"	5500	00-4960	YELLOW
0.187-0.250"	5502	00-4961	ORANGE
0.250-0.312"	5504	00-4962	BLACK
0.312-0.375"	5506	00-4963	GRAY
0.375-0.437"	5508 <sup>2</sup>	00-4964	GREEN

<sup>1</sup> NOT U.L. OR CSA CERTIFIED.

<sup>&</sup>lt;sup>2</sup> CABLE JACKET MAY NEED TO BE STRIPPED FOR CLEARANCE.











MAX-LOC Cord Sealing Grip straight with non-metallic mesh

### STRAIN RELIEF MAX-LOC® Cord Sealing Grips - Straight

# MAX-LOC Cord-Sealing Grips - 1/2" NPT Straight

CABLE DIAMETER RANGE	MALE PART NO.1	MALE W/ O-RING PART NO.	MALE W/ STAINLESS STEEL MESH PART NO.	MALE W/ NON-METALLIC MESH PART NO.	REPLACEMENT GROMMET	GROMMET COLOR
0.062-0.125"	5518 <sup>2</sup>	5518W <sup>2</sup>	_	_	00-4978	BLACK
0.125-0.187"	5520	5520W	_	_	00-4970	YELLOW
0.187-0.250"	5522	5522W	5522M	5522NM	00-4971	ORANGE
0.250-0.312"	5524	5524W	5524M	5524NM	00-4972	BLACK
0.312-0.375"	5526	5526W	5526M	5526NM	00-5263	GRAY
0.375-0.437"	5528	5528W	5528M	5528NM	00-5264	GREEN
0.437-0.500"	5530	5530W	5530M	5530NM	00-4975	ORANGE
0.500-0.562"	5532 <sup>3</sup>	5532W <sup>3</sup>	5532M <sup>3</sup>	_	00-5266	BLACK
0.562-0.625"	5534 <sup>3</sup>	5534W <sup>3</sup>	5534M <sup>3</sup>	_	00-5267	GRAY

#### MAX-LOC Cord-Sealing Grips - 3/4" NPT Straight

CABLE DIAMETER RANGE	MALE PART NO.1	MALE W/ O-RING PART NO.	MALE W/ STAINLESS STEEL MESH PART NO.	MALE W/ NON-METALLIC MESH PART NO.	REPLACEMENT GROMMET	GROMMET COLOR
0.187-0.250"	5620	5620W	5620M	5620NM	00-4985	ORANGE
0.250-0.375"	5622	5622W	5622M	5622NM	00-4986	GRAY
0.375-0.437"	5624	5624W	5624M	5624NM	00-4987	GREEN
0.437-0.562"	5536	5536W	5536M	5536NM	00-4980	BLACK
0.500-0.625"	5538	5538W	5538M	5538NM	00-4981	GRAY
0.562-0.687"	5540	5540W	5540M	5540NM	00-4982	GREEN
0.625-0.750"	5542	5542W	5542M	5542NM	00-4983	ORANGE
0.687-0.812"	5544 <sup>3</sup>	5544W <sup>3</sup>	5544M <sup>3</sup>	_	00-4984	YELLOW

# MAX-LOC Cord-Sealing Grips - 1" NPT Straight

CABLE DIAMETER RANGE	MALE PART NO.1	MALE W/ O-RING PART NO.	MALE W/ STAINLESS STEEL MESH PART NO.	MALE W/ NON-METALLIC MESH PART NO.	REPLACEMENT GROMMET	GROMMET COLOR
0.437-0.562"	5546	5546W	5546M	5546NM	00-4990	BLACK
0.500-0.625"	5548	5548W	5548M	5548NM	00-4991	GRAY
0.562-0.687"	5550	5550W	5550M	5550NM	00-4992	GREEN
0.625-0.750"	5552	5552W	5552M	5552NM	00-4993	ORANGE
0.687-0.812"	5554	5554W	5554M	5554NM	00-4994	YELLOW
0.750-0.875"	5556	5556W	5556M	5556NM	00-4995	BLACK
0.812-0.937"	5558	5558W	5558M	5558NM	00-4996	GRAY
0.875-1.000"	5560	5560W	5560M	5560NM	00-4997	GREEN
1.000-1.100"	5562 <sup>3</sup>	5562W3	_	_	00-4998	BLACK

## MAX-LOC Cord-Sealing Grips - 1-1/4" NPT Straight

CABLE DIAMETER RANGE	MALE Part No.'	REPLACEMENT Grommet	GROMMET COLOR
0.750-0.875"	5568	00-5070	ORANGE
0.875-1.000"	5570	00-5071	YELLOW
1.000-1.125"	5572	00-5072	BLACK
1.125-1.250"	5574	00-5073	GREEN
1.250-1.355"	5576 <sup>3</sup>	00-5074	GRAY

<sup>&</sup>lt;sup>1</sup> FOR VALOX CONSTRUCTION, ADD "BLK" AS A SUFFIX; FOR EXAMPLE, 5518 BECOMES 5518BLK.

<sup>&</sup>lt;sup>3</sup> CABLE JACKET MAY NEED TO BE STRIPPED FOR CLEARANCE.



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

<sup>&</sup>lt;sup>2</sup> NOT U.L. OR CSA CERTIFIED.

### STRAIN RELIEF MAX-LOC® Cord Sealing Grips - 90°

MAX-LOC cord sealing grips are nylon devices used to connect electrical cables to boxes, cabinets, pushbuttons, enclosures, etc. They are U.L. listed, CSA certified, liquid-tight, highly resistant to impact, and totally corrosion resistant. Non-metallic MAX-LOC cord sealing grips will not support combustion. The ratings are: wire mesh grip – 94HB; fitting – 94V-2. MAX-LOC products are suitable for use in wet locations so long as the listed sealing ring is used between box and fitting. (See page 160.)





MAX-LOC Cord Sealing Grip 90° with 0-ring



MAX-LOC Cord Sealing Grip 90° with stainless steel mesh



MAX-LOC Cord Sealing Grip 90° with non-metallic mesh

### MAX-LOC Cord-Sealing Grips - 3/8" NPT 90°

CABLE DIAMETER RANGE	MALE Part No.	REPLACEMENT GROMMET	GROMMET COLOR
0.062-0.125"	5499¹	00-4965	BLACK
0.125-0.187"	5501	00-4960	YELLOW
0.187-0.250"	5503	00-4961	ORANGE
0.250-0.312"	5505	00-4962	BLACK
0.312-0.375"	5507	00-4963	GRAY
0.375-0.437"	5509 <sup>2</sup>	00-4964	GREEN

<sup>1</sup> NOT U.L. OR CSA CERTIFIED.

<sup>&</sup>lt;sup>2</sup> CABLE JACKET MAY NEED TO BE STRIPPED FOR CLEARANCE.





## STRAIN RELIEF Max-Loc® Cord Sealing Grips - 90° •

#### MAX-LOC Cord-Sealing Grips - 1/2" NPT 90°

CABLE DIAMETER RANGE	MALE PART NO.1	MALE W/ O-RING PART NO.	MALE W/ STAINLESS STEEL MESH PART NO.	MALE W/ NON-METALLIC MESH PART NO.	REPLACEMENT GROMMET	GROMMET COLOR
0.062-0.125"	5519 <sup>2</sup>	5519W <sup>2</sup>	_	_	00-4978	BLACK
0.125-0.187"	5521	5521W	_	_	00-4970	YELLOW
0.187-0.250"	5523	5523W	5523M	5523NM	00-4971	ORANGE
0.250-0.312"	5525	5525W	5525M	5525NM	00-4972	BLACK
0.312-0.375"	5527	5527W	5527M	5527NM	00-5263	GRAY
0.375-0.437"	5529	5529W	5529M	5529NM	00-5264	GREEN
0.437-0.500"	5531	5531W	5531M	5531NM	00-4975	ORANGE
0.500-0.562"	5533 <sup>3</sup>	5533W <sup>3</sup>	5533M <sup>3</sup>	_	00-5266	BLACK
0.562-0.625"	5535 <sup>3</sup>	5535W <sup>3</sup>	5535M <sup>3</sup>	_	00-5267	GRAY

#### MAX-LOC Cord-Sealing Grips - 3/4" NPT 90°

CABLE DIAMETER RANGE	MALE PART NO.1	MALE W/ O-RING PART NO.	MALE W/ STAINLESS STEEL MESH PART NO.	MALE W/ NON-METALLIC MESH PART NO.	REPLACEMENT GROMMET	GROMMET COLOR
0.187-0.250"	5621	5621W	5621M	5621NM	00-4985	ORANGE
0.250-0.375"	5623	5623W	5623M	5623NM	00-4986	GRAY
0.375-0.437"	5625	5625W	5625M	5625NM	00-4987	GREEN
0.437-0.562"	5537	5537W	5537M	5537NM	00-4980	BLACK
0.500-0.625"	5539	5539W	5539M	5539NM	00-4981	GRAY
0.562-0.687"	5541	5541W	5541M	5541NM	00-4982	GREEN
0.625-0.750"	5543	5543W	5543M	5543NM	00-4983	ORANGE
0.687-0.812"	5545 <sup>3</sup>	5545W <sup>3</sup>	5545M <sup>3</sup>	_	00-4984	YELLOW

# MAX-LOC Cord-Sealing Grips - 1" NPT 90°

CABLE DIAMETER RANGE	MALE PART NO.1	MALE W/ O-RING PART NO.	MALE W/ STAINLESS STEEL MESH PART NO.	MALE W/ NON-METALLIC MESH PART NO.	REPLACEMENT Grommet	GROMMET COLOR
0.437-0.562"	5547	5547W	5547M	5547NM	00-4990	BLACK
0.500-0.625"	5549	5549W	5549M	5549NM	00-4991	GRAY
0.562-0.687"	5551	5551W	5551M	5551NM	00-4992	GREEN
0.625-0.750"	5553	5553W	5553M	5553NM	00-4993	ORANGE
0.687-0.812"	5555	5555W	5555M	5555NM	00-4994	YELLOW
0.750-0.875"	5557	5557W	5557M	5557NM	00-4995	BLACK
0.812-0.937"	5559	5559W	5559M	5559NM	00-4996	GRAY
0.875-1.000"	5561	5561W	5561M	5561NM	00-4997	GREEN
1.000-1.100"	5563 <sup>2</sup>	5563W <sup>2</sup>	_	_	00-4998	BLACK

### MAX-LOC Cord-Sealing Grips - 1-1/4" NPT 90°

CABLE DIAMETER RANGE	MALE PART NO.1	REPLACEMENT GROMMET	GROMMET COLOR
0.750-0.875"	5569	00-5070	ORANGE
0.875-1.000"	5571	00-5071	YELLOW
1.000-1.125"	5573	00-5072	BLACK
1.125-1.250"	5575	00-5073	GREEN
1.250-1.355"	5577 <sup>2</sup>	00-5074	GRAY

<sup>&</sup>lt;sup>1</sup> FOR VALOX CONSTRUCTION, ADD "BLK" AS A SUFFIX; FOR EXAMPLE, 5519 BECOMES 5519BLK.

**⊕ ⊕** 

MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

<sup>&</sup>lt;sup>2</sup> NOT U.L. OR CSA CERTIFIED.

<sup>&</sup>lt;sup>3</sup> CABLE JACKET MAY NEED TO BE STRIPPED FOR CLEARANCE.

#### STRAIN RELIEF Specialty

Applications requiring the use of multiple conductors or UF cable can be easily accommodated with the use of Max-Loc® specialty products or accessory grommets.

### MAX-LOC Oval (UF) Cables

NPT	CABLE DIAMETER RANGE	STRAIGHT MALE PART NO.	STRAIGHT MALE W/ O-RING PART NO.	90° MALE Part no.	REPLACEMENT GROMMETS
1/2"	0.218" x 0.421" OVAL	5580	5580W	5581	00-4940
1/2"	0.218" x 0.640" OVAL	5582	5582W	5583	00-4941
3/4"	0.218" x 0.421" OVAL	5584	_	5585	00-4950
3/4"	0.218" x 0.640" OVAL	5586	_	5587	00-4951





#### MAX-LOC 1/2" NPT Multi-Hole

NPT	CABLE SIZE	NO. OF HOLES	STRAIGHT MALE PART NO.	STRAIGHT MALE W/ O-RING PART NO.	90° MALE Part no.	90° W/ O-RING Part No.	REPLACEMENT GROMMETS
1/2"	0.156"	2, 3 OR 41	5594-007	5594-007W	5595-007	5595-007W	00-1924
1/2"	0.187"	2, 3, 4, 5, 6 OR 7 <sup>1</sup>	5594-008	5594-008W	5595-008	5595-008W	00-1925
1/2"	0.225"	2, 3, 0R 41	5594-004	5594-004W	5595-004	5595-004W	00-1921
1/2"	0.250"	2 OR 31	5594-005	5594-005W	5595-005	5595-005W	00-1922
1/2"	0.290"	2	5594-006	5594-006W	5595-006	5595-006W	00-1923

INDICATES ONE OR MORE HOLES ARE COVERED BY A THIN MEMBRANE WHICH CAN EASILY BE "POKED" OPEN IF REQUIRED.

#### Accessories

Expanding the versatility of MAX-LOC for different applications is simple with replacement parts such as gaskets, O-rings, locknuts.







#### Lock nuts

NPT	PART NO.
1/4"	5599
3/8"	5600
1/2"	5601
3/4"	5602
1"	5603
1-1/4"	5604

#### Gaskets

NPT	PART NO.
1/4"	5609
3/8"	5610
1/2"	5611
3/4"	5612
1"	5613
1-1/4"	5614

### O-Rings

NPT	PART NO.
1/2"	00-0820
3/4"	00-0822
1"	00-0824



### STRAIN RELIEF Grips

### Wide Range, Straight Male, Dust Tight Grips

Wide range grips are recommended for use in wiring of enclosures, power boxes, machine tools, and power centers. Includes insulated bushing.

NPT	CABLE DIAMETER RANGE	PART NO.	NON-INSULATED PART NO.
1/2"	0.220-0.320"	36501	36502
1/2"	0.300-0.430"	36503	36504
1/2"	0.400-0.540"	36505	36506
3/4"	0.520-0.730"	36508	36509
1"	0.700-0.970"	36512	36513
1-1/4"	0.940-1.250"	36515	36514
1-1/2"	1.200-1.500"	36516	_
2"	1.400-1.750"	36517	_
2-1/2"	1.620-2.000"	36518	_
2-1/2"	2.000-2.450"	36519	_

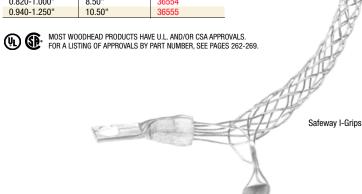


Wide Range, Straight Male, Dust Tight

### Wiring Device I-Grips

Safeway® wire mesh grips provide additional strain-relief for wiring device plugs and connectors used on portable equipment in commercial and institutional applications, and industrial plant and construction site areas, which incur abnormally high abuse.

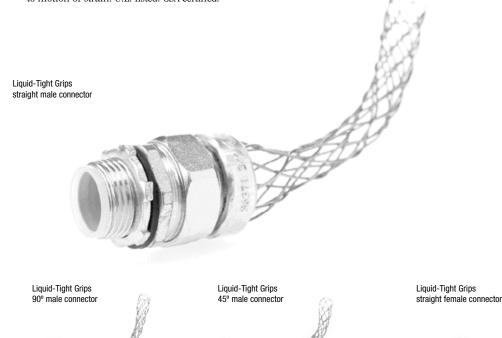
CABLE DIAMETER RANGE	MESH LENGTH	PART NO.
0.300-0.430"	4.75"	36550
0.400-0.560"	6.00"	36551
0.520-0.730"	7.00"	36552
0.700-0.850"	8.50"	36553
0.820-1.000"	8.50"	36554
0.940-1.250"	10.50"	36555



### STRAIN RELIEF Liquid-Tight Grips

Liquid-Tight grips are woven of stainless steel mesh with zinc plated steel or malleable iron bodies and nuts for corrosion resistance. They are used to connect liquid-tight flexible conduit to electrical enclosures to prevent conduit pullout. Each fitting is supplied with an insulated throat to provide conductor insulation and protect against damage by flexing, heat expansion and contraction.

Liquid-Tight grips are recommended in the wiring of motors and any electrical enclosure where liquid-tight conduit is subject to motion or strain. U.L. listed. CSA certified.



#### Liquid-Tight for Metallic Flexible Conduit

NPT SIZE	MESH LENGTH	STRAIGHT MALE PART NO.	90° MALE PART NO.	45° MALE PART NO.	FEMALE Part No.
3/8"	2.625"	36440	36443	36442	_
1/2"	3.875"	36370	36400	36390	36380
3/4"	4.375"	36371	36401	36391	36381
1"	5.25"	36372	36402	36392	36382
1-1/4"	5.625"	36373	36403	36393	_
1-1/2"	5.75"	36374	36404	36394	_
2"	7.5"	36375	36405	36395	_
2-1/2"	9.625"	37030	37033	37036	_
3"	10.625"	37031	37034	37037	_
4"	12"	37032	37035	37038	_



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

162 WOODHEAD CALL US TODAY! 800-225-7724

#### **STRAIN RELIEF** Liquid-Tight Grips •



Liquid-Tight Grips for Non-Metallic Type "A", Flexible Conduit

NPT SIZE	MESH LENGTH	STRAIGHT MALE PART NO.	90° MALE PART NO.
3/8"	9"	37100	37100-90
1/2"	10"	37101	37101-90
3/4"	10.5"	37102	37102-90
1"	12"	37103	37103-90
1-1/4"	17"	37104	37104-90
1-1/2"	21.5"	37105	37105-90
2"	24"	37106	37106-90



(II) MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

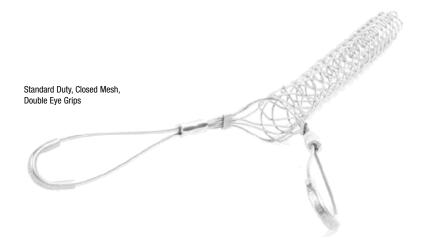
### SUPPORT GRIPS Standard Duty, Closed Mesh

Standard closed mesh support grips are designed for loads up to 600 lbs. and vertical runs of no more than 100 ft. They are available in a variety of eye styles and cable ranges for supporting electrical and fiber optic cable, metal rods and tubing. Closed mesh support grips are used when the end of the cable is accessible. Support grips are woven of corrosion-resistant tinned-bronze wire.

#### Standard Duty, Closed Mesh, Single Eye Grips

CABLE DIAMETER RANGE	PART NO.1	BALE LENGTH	MESH Length	APPROXIMATE BREAK STRENGTH <sup>2</sup>
0.500-0.610"	35030	7"	11"	770 LBS.
0.620-0.740"	35031	8"	11"	960 LBS.
0.750-0.990"	35032	8"	14"	1,300 LBS.
1.000-1.240"	35033	9"	15"	1,680 LBS.
1.250-1.490"	35034	10"	16"	1,680 LBS.
1.500-1.740"	35035	12"	18"	1,680 LBS.
1.750-1.990"	35036	14"	20"	2,640 LBS.
2.000-2.490"	35037	16"	22"	3,760 LBS.
2.500-2.990"	35038	18"	24"	3,760 LBS.
3.000-3.490"	35039	21"	26"	5,040 LBS.
3.500-3.990"	35040	24"	28"	5,040 LBS.





### Standard Duty, Closed Mesh, Double Eye Grips

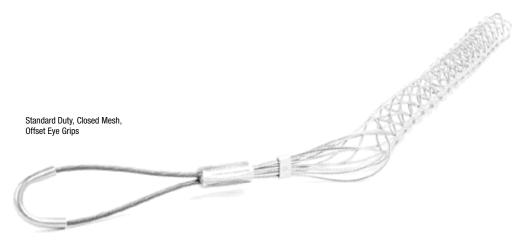
CABLE DIAMETER RANGE	PART NO.1	BALE LENGTH	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>2</sup>
0.500-0.610"	35001	4"	11"	770 LBS.
0.620-0.740"	35002	4"	11"	1,150 LBS.
0.750-0.990"	35003	4"	14"	1,320 LBS.
1.000-1.240"	35004	5"	15"	1,920 LBS.
1.250-1.490"	35005	5"	16"	1,920 LBS.
1.500-1.740"	35006	6"	18"	1,920 LBS.
1.750-1.990"	35007	6"	20"	3,150 LBS.
2.000-2.490"	35008	6"	22"	3,360 LBS.
2.500-2.990"	35009	6"	24"	3,360 LBS.
3.000-3.490"	35010	8"	26"	5,280 LBS.
3.500-3.990"	35011	8"	28"	5,280 LBS.

<sup>&</sup>lt;sup>1</sup> FOR STAINLESS STEEL SUPPORT GRIPS, ADD "SS" SUFFIX TO THE PART NO.; FOR EXAMPLE, 35001 BECOMES 35001SS. CONSULT FACTORY FOR PRICE AND AVAILABILITY.

<sup>&</sup>lt;sup>2</sup> TO DETERMINE WORKLOAD SAFETY FACTOR, DIVIDE APPROXIMATE BREAK STRENGTH BY 10. SEE PAGE 187 FOR STRENGTH INFORMATION.



#### **SUPPORT GRIPS** Standard Duty, Closed Mesh •

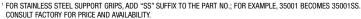


#### Standard Duty, Closed Mesh, Offset Eye Grips

CABLE DIAMETER RANGE	PART NO.1	BALE LENGTH	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>2</sup>
0.500-0.610"	35060	4"	11"	770 LBS.
0.620-0.740"	35061	4"	11"	960 LBS.
0.750-0.990"	35062	4"	14"	960 LBS.
1.000-1.240"	35063	5"	15"	1,680 LBS.
1.250-1.490"	35064	5"	16"	1,680 LBS.
1.500-1.740"	35065	5"	18"	1,680 LBS.
1.750-1.990"	35066	6"	20"	2,640 LBS.
2.000-2.490"	35067	6"	22"	3,760 LBS.
2.500-2.990"	35068	8"	24"	3,760 LBS.
3.000-3.490"	35069	9"	26"	5,040 LBS.
3.500-3.990"	35070	9"	28"	5,040 LBS.

# Standard Duty, Closed Mesh, Locking Bale Grips (Universal Eye)

CABLE DIAMETER RANGE	PART NO.1	BALE LENGTH	MESH Length	APPROXIMATE BREAK STRENGTH <sup>2</sup>
0.500-0.610"	35090	18"	11"	770 LBS.
0.620-0.740"	35091	18"	11"	1,150 LBS.
0.750-0.990"	35092	18"	14"	1,320 LBS.
1.000-1.240"	35093	18"	15"	1,920 LBS.
1.250-1.490"	35094	18"	16"	1,920 LBS.
1.500-1.740"	35095	18"	18"	1,920 LBS.
1.750-1.990"	35096	18"	20"	3,150 LBS.
2.000-2.490"	35097	18"	22"	3,360 LBS.
2.500-2.990"	35098	18"	24"	3,360 LBS.
3.000-3.490"	35099	18"	26"	5,280 LBS.
3.500-3.990"	35100	18"	28"	5,280 LBS.



<sup>&</sup>lt;sup>2</sup> TO DETERMINE WORKLOAD SAFETY FACTOR, DIVIDE APPROXIMATE BREAK STRENGTH BY 10. SEE PAGE 187 FOR STRENGTHINFORMATION.





MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269. Standard Duty, Closed Mesh, Locking Bale Grips (Universal Eye)

### SUPPORT GRIPS Standard Duty, Split Lace

Split lace support grips are designed for loads up to 600 lbs. and vertical runs of no more than 100 ft. They are available in a variety of eye styles and cable ranges for supporting electrical and fiber optic cable, metal rods and tubing. Split lace support grips are used when the end of the cable cannot easily be accessed and the support grip is intended for permanent installation. Support grips are woven of corrosion-resistant tinned-bronze wire.



#### Standard Duty, Split Lace, Single Eye

CABLE DIAMETER RANGE	PART NO.1	BALE LENGTH	MESH Length	APPROXIMATE BREAK STRENGTH <sup>2</sup>
0.500-0.610"	35165	7"	11"	770 LBS.
0.620-0.740"	35166	8"	11"	960 LBS.
0.750-0.990"	35167	8"	14"	1,320 LBS.
1.000-1.240"	35168	9"	15"	1,680 LBS.
1.250-1.490"	35169	10"	16"	1,680 LBS.
1.500-1.740"	35170	12"	18"	1,680 LBS.
1.750-1.990"	35171	14"	20"	2,640 LBS.
2.000-2.490"	35172	16"	22"	3,760 LBS.
2.500-2.990"	35173	18"	24"	3,760 LBS.
3.000-3.490"	35174	21"	26"	5,040 LBS.
3.500-3.990"	35175	24"	28"	5,040 LBS.

#### Standard Duty, Split Lace, Double Eye

CABLE DIAMETER RANGE	PART NO.1	BALE LENGTH	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>2</sup>
0.500-0.610"	35135	4"	11"	770 LBS.
0.620-0.740"	35136	4"	11"	1,150 LBS.
0.750-0.990"	35137	4"	14"	1,320 LBS.
1.000-1.240"	35138	5"	15"	1,920 LBS.
1.250-1.490"	35139	5"	16"	1,920 LBS.
1.500-1.740"	35140	5"	18"	1,920 LBS.
1.750-1.990"	35141	6"	20"	3,150 LBS.
2.000-2.490"	35142	6"	22"	3,360 LBS.
2.500-2.990"	35143	6"	24"	3,360 LBS.
3.000-3.490"	35144	8"	26"	5,280 LBS.
3.500-3.990"	35145	8"	28"	5,280 LBS.



Standard Duty, Split Lace, Double Eye

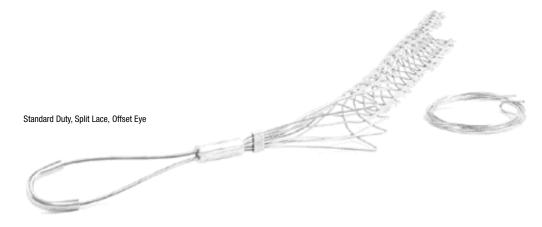
<sup>&</sup>lt;sup>2</sup>TO DETERMINE WORKLOAD SAFETY FACTOR, DIVIDE APPROXIMATE BREAK STRENGTH BY 10. SEE PAGE 187 FOR STRENGTH INFORMATION.



<sup>&</sup>lt;sup>1</sup> FOR STAINLESS STEEL SUPPORT GRIPS, ADD "SS" SUFFIX TO THE PART NO.; FOR EXAMPLE, 35001 BECOMES 35001SS.

CONSULT FACTORY FOR PRICE AND AVAILABILITY.

### **SUPPORT GRIPS** Standard Duty Split Lace •



#### Standard Duty, Split Lace, Offset Eye

CABLE DIAMETER RANGE	PART NO.1	BALE LENGTH	MESH Length	APPROXIMATE BREAK STRENGTH <sup>2</sup>
0.500-0.610"	35195	4"	11"	770 LBS.
0.620-0.740"	35196	4"	11"	960 LBS.
0.750-0.990"	35197	4"	14"	960 LBS.
1.000-1.240"	35198	5"	15"	1,680 LBS.
1.250-1.490"	35199	5"	16"	1,680 LBS.
1.500-1.740"	35200	5"	18"	1,680 LBS.
1.750-1.990"	35201	8"	20"	2,640 LBS.
2.000-2.490"	35202	8"	22"	3,760 LBS.
2.500-2.990"	35203	8"	24"	3,760 LBS.
3.000-3.490"	35204	9"	26"	5,040 LBS.
3.500-3.990"	35205	9"	28"	5,040 LBS.

# Standard Duty, Split Lace, Locking Bale (Universal Eye)

CABLE DIAMETER RANGE	PART NO.1	BALE LENGTH	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>2</sup>
0.500-0.610"	35225	18"	11"	770 LBS.
0.620-0.740"	35226	18"	11"	1,150 LBS.
0.750-0.990"	35227	18"	14"	1,320 LBS.
1.000-1.240"	35228	18"	15"	1,920 LBS.
1.250-1.490"	35229	18"	16"	1,920 LBS.
1.500-1.740"	35230	18"	18"	1,920 LBS.
1.750-1.990"	35231	18"	20"	3,150 LBS.
2.000-2.490"	35232	18"	22"	3,360 LBS.
2.500-2.990"	35233	18"	24"	3,360 LBS.
3.000-3.490"	35234	18"	26"	5,280 LBS.
3.500-3.990"	35235	18"	28"	5,280 LBS.

<sup>1</sup> FOR STAINLESS STEEL SUPPORT GRIPS, ADD "SS" SUFFIX TO THE PART NO.; FOR EXAMPLE, 35001 BECOMES 35001SS. CONSULT FACTORY FOR PRICE AND AVAILABILITY.

SEE PAGE 187 FOR STRENGTH INFORMATION.



Standard Duty, Split Lace, Locking Bale (Universal Eye)



<sup>&</sup>lt;sup>2</sup> TO DETERMINE WORKLOAD SAFETY FACTOR, DIVIDE APPROXIMATE BREAK STRENGTH BY 10.

### SUPPORT GRIPS Standard Duty, Split Rod

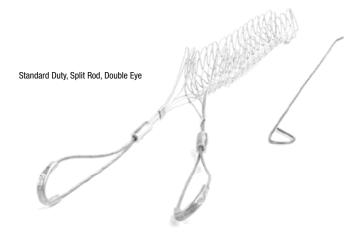
Split rod support grips are designed for loads up to 600 lbs. and vertical runs of no more than 100 ft. They are available in a variety of eye styles and cable ranges for supporting electrical and fiber optic cable, metal rods and tubing. Split rod support grips are used when the end of the cable cannot be easily accessed and the installation is temporary. Support grips are woven of corrosion-resistant tinned-bronze wire.

#### Standard Duty, Split Rod, Single Eye

CABLE DIAMETER RANGE	PART NO.1	BALE LENGTH	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>2</sup>
0.500-0.610"	35285	7"	11"	770 LBS.
0.620-0.740"	35286	8"	11"	960 LBS.
0.750-0.990"	35287	8"	14"	1,320 LBS.
1.000-1.240"	35288	9"	15"	1,680 LBS.
1.250-1.490"	35289	10"	16"	1,680 LBS.
1.500-1.740"	35290	12"	18"	1,680 LBS.
1.750-1.990"	35291	14"	20"	2,640 LBS.
2.000-2.490"	35292	16"	22"	3,760 LBS.
2.500-2.990"	35293	18"	24"	3,760 LBS.
3.000-3.490"	35294	21"	26"	6,560 LBS.
3.500-3.990"	35295	24"	28"	6,560 LBS.



Standard Duty, Split Rod, Single Eye



# Standard Duty, Split Rod, Double Eye

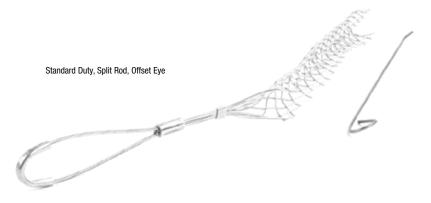
CABLE DIAMETER RANGE	PART NO.1	BALE LENGTH	MESH Length	APPROXIMATE BREAK STRENGTH <sup>2</sup>
0.500-0.610"	35270	4"	11"	770 LBS.
0.620-0.740"	35271	4"	11"	1,150 LBS.
0.750-0.990"	35272	4"	14"	1,320 LBS.
1.000-1.240"	35273	5"	15"	1,920 LBS.
1.250-1.490"	35274	5"	16"	1,920 LBS.
1.500-1.740"	35275	5"	18"	1,920 LBS.
1.750-1.990"	35276	6"	20"	3,150 LBS.
2.000-2.490"	35277	6"	22"	3,360 LBS.
2.500-2.990"	35278	6"	24"	3,360 LBS.
3.000-3.490"	35279	8"	26"	7,520 LBS.
3.500-3.990"	35280	8"	28"	7,520 LBS.

<sup>&</sup>lt;sup>1</sup> FOR STAINLESS STEEL SUPPORT GRIPS, ADD "SS" SUFFIX TO THE PART NO.; FOR EXAMPLE, 35001 BECOMES 35001SS. CONSULT FACTORY FOR PRICE AND AVAILABILITY.

<sup>&</sup>lt;sup>2</sup>TO DETERMINE WORKLOAD SAFETY FACTOR, DIVIDE APPROXIMATE BREAK STRENGTH BY 10. SEE PAGE 187 FOR STRENGTH INFORMATION.

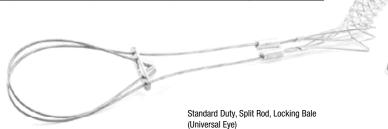


### **SUPPORT GRIPS** Standard Duty Split Rod •



## Standard Duty, Split Rod, Offset Eye

CABLE DIAMETER RANGE	PART NO.1	BALE LENGTH	MESH Length	APPROXIMATE BREAK STRENGTH <sup>2</sup>
0.500-0.610"	35300	4"	11"	770 LBS.
0.620-0.740"	35301	4"	11"	960 LBS.
0.750-0.990"	35302	4"	14"	960 LBS.
1.000-1.240"	35303	5"	15"	1,680 LBS.
1.250-1.490"	35304	5"	16"	1,680 LBS.
1.500-1.740"	35305	5"	18"	1,680 LBS.
1.750-1.990"	35306	6"	20"	2,640 LBS.
2.000-2.490"	35307	6"	22"	3,760 LBS.
2.500-2.990"	35308	6"	24"	3,760 LBS.
3.000-3.490"	35309	8"	26"	5,040 LBS.
3.500-3.990"	35310	8"	28"	5,040 LBS.



# Standard Duty, Split Rod, Locking Bale (Universal Eye)

			-	
CABLE DIAMETER RANGE	PART NO.1	BALE LENGTH	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>2</sup>
0.500-0.610"	35330	10"	9"	770 LBS.
0.620-0.740"	35331	10"	9"	1,150 LBS.
0.750-0.990"	35332	10"	11"	1,320 LBS.
1.000-1.240"	35333	14"	13"	1,920 LBS.
1.250-1.490"	35334	14"	15"	1,920 LBS.
1.500-1.740"	35335	14"	16"	1,920 LBS.
1.750-1.990"	35336	14"	17"	3,150 LBS.
2.000-2.490"	35337	18"	20"	3,360 LBS.
2.500-2.990"	35338	18"	22"	3,360 LBS.
3.000-3.490"	35339	18"	24"	5,280 LBS.
3.500-3.990"	35340	18"	26"	5,280 LBS.

<sup>&</sup>lt;sup>1</sup> FOR STAINLESS STEEL SUPPORT GRIPS, ADD "SS" SUFFIX TO THE PART NO.; FOR EXAMPLE, 35001 BECOMES 35001SS.

<sup>&</sup>lt;sup>2</sup> TO DETERMINE WORKLOAD SAFETY FACTOR, DIVIDE APPROXIMATE BREAK STRENGTH BY 10. SEE PAGE 187 FOR STRENGTH INFORMATION.



CONSULT FACTORY FOR PRICE AND AVAILABILITY.

### **SUPPORT GRIPS** Heavy Duty

Heavy duty support grips feature a double weave mesh and are available in a variety of eye styles and cable ranges for supporting electrical and fiber optic cable, metal rods and tubing. Support grips are woven of corrosion-resistant tinned-bronze wire.



Heavy Duty, Closed Mesh, Single Eye

#### Heavy Duty, Closed Mesh, Single Eye

CABLE DIAMETER RANGE	PART NO.1	BALE LENGTH	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>2</sup>
0.750-0.990"	35435	10"	26"	2,700 LBS.
1.000-1.240"	35436	10"	29"	4,720 LBS.
1.250-1.490"	35437	10"	31"	4,720 LBS.
1.500-1.990"	35438	10"	35"	4,720 LBS.

#### Heavy Duty, Closed Mesh, Double Eye

CABLE DIAMETER RANGE	PART NO.1	BALE LENGTH	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>2</sup>
0.750-0.990"	35425	10"	26"	2,700 LBS.
1.000-1.240"	35426	10"	29"	4,720 LBS.
1.250-1.490"	35427	10"	31"	4,720 LBS.
1.500-1.990"	35428	10"	35"	4,720 LBS.
2.000-2.490"	35429	10"	37"	10,080 LBS.
2.500-2.990"	35430	10"	39"	10,080 LBS.
3.000-3.490"	35431	10"	41"	10,080 LBS.
3.500-3.990"	35432	10"	45"	13,120 LBS.
4.000-4.490"	35433	10"	47"	13,120 LBS.



Heavy Duty, Closed Mesh, Double Eye

### Heavy Duty, Split Lace, Single Eye

CABLE DIAMETER RANGE	PART NO.1	BALE LENGTH	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>2</sup>
0.750-0.990"	35450	10"	26"	2,700 LBS.
1.000-1.240"	35451	10"	29"	4,720 LBS.
1.250-1.490"	35452	10"	31"	4,720 LBS.
1.500-1.990"	35453	10"	35"	4,720 LBS.



Heavy Duty, Split Lace, Single Eye

Heavy Duty, Split Lace, Double Eye

### Heavy Duty, Split Lace, Double Eye

-	• •	•	-	
CABLE DIAMETER RANGE	PART NO.1	BALE LENGTH	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>2</sup>
0.750-0.990"	35440	10"	26"	2,700 LBS.
1.000-1.240"	35441	10"	29"	4,720 LBS.
1.250-1.490"	35442	10"	31"	4,720 LBS.
1.500-1.990"	35443	10"	35"	4,720 LBS.
2.000-2.490"	35444	10"	37"	10,080 LBS.
2.500-2.990"	35445	10"	39"	10,080 LBS.
3.000-3.490"	35446	10"	41"	10,080 LBS.
3.500-3.990"	35447	10"	45"	13,120 LBS.
4 000 4 400"	25440	10"	47"	12 120 LDC

FOR STAINLESS STEEL SUPPORT GRIPS, ADD "SS" SUFFIX TO THE PART NO.; FOR EXAMPLE, 35001 BECOMES 35001SS. CONSULT FACTORY FOR PRICE AND AVAILABILITY.

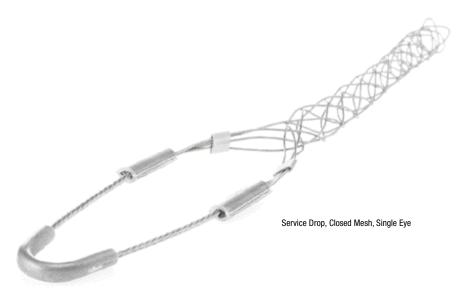
TO DETERMINE WORKLOAD SAFETY FACTOR, DIVIDE APPROXIMATE BREAK STRENGTH BY 10. SEE PAGE 187 FOR STRENGTH INFORMATION.





### **SUPPORT GRIPS** Service Drop

Service drop grips provide support for utility distribution lines from service pole to building or from pole to pole. They can also be used for cable TV and fiber optic cable support. They are woven from tinned bronze wire to provide superior corrosion resistance, and are available in single eye and locking bale configurations.



#### Service Drop, Closed Mesh, Single Eye

CABLE DIAMETER RANGE	PART NO.	BALE LENGTH	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>1</sup>
0.220-0.320"	36573	4"	4"	290 LBS.
0.300-0.430"	36575	5"	5"	500 LBS.
0.410-0.560"	36576	6"	5"	500 LBS.
0.530-0.730"	36577	8"	8"	790 LBS.
0.700-0.970"	36578	8"	9"	1,020 LBS.
0.940-1.250"	36579	10"	11"	1,020 LBS.

#### Service Drop, Closed Mesh, Locking Bale

CABLE DIAMETER RANGE	PART NO.	BALE LENGTH	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>1</sup>
0.220-0.320"	36581	10"	4"	290 LBS.
0.300-0.430"	36583	11"	5"	500 LBS.
0.410-0.560"	36585	12"	5"	500 LBS.
0.530-0.730"	36586	14"	8"	790 LBS.
0.700-0.970"	36588	14"	9"	1,020 LBS.
0.940-1.250"	36590	16"	11"	1,020 LBS.

<sup>&</sup>lt;sup>1</sup> TO DETERMINE WORKLOAD SAFETY FACTOR, DIVIDE APPROXIMATE BREAK STRENGTH BY 10. SEE PAGE 187 FOR STRENGTH INFORMATION.



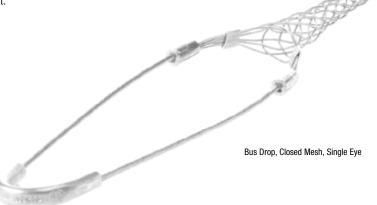
MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.



Service Drop, Closed Mesh, Locking Bale

### SUPPORT GRIPS Bus Drop

Bus drop grips are used as cable support. They relieve any direct tension from the critical connection and absorb vibration and flexing. Bus drop grips are woven of galvanized steel wire. They are offered with either the single eye or locking bale attachment.



#### Bus Drop, Closed Mesh, Single Eye

•		_	-	
CABLE DIAMETER RANGE	PART NO.	BALE LENGTH	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>1</sup>
0.220-0.320"	36560	9"	3.5"	1,100 LBS.
0.300-0.430"	36562	9"	4.5"	1,100 LBS.
0.410-0.560"	36564	9"	5.0"	1,100 LBS.
0.530-0.730"	36567	9"	6.5"	1,100 LBS.
0.700-0.850"	36569	9"	8.5"	1,900 LBS.
0.820-1.000"	36571	9"	8.5"	1,900 LBS.
0.960-1.250"	36574	9"	11.0"	1,900 LBS.

# Bus Drop, Closed Mesh, Locking Bale

1- 7		_ ,		
CABLE DIAMETER RANGE	PART NO.	BALE LENGTH	MESH Length	APPROXIMATE BREAK STRENGTH <sup>1</sup>
IIAIUL	i Aili ito.	LLIIUIII		
0.220-0.320"	36580	12"	3.5"	1,100 LBS.
0.300-0.430"	36582	12"	4.5"	1,100 LBS.
0.410-0.560"	36584	12"	5.0"	1,100 LBS.
0.530-0.730"	36587	15"	6.5"	1,100 LBS.
0.700-0.850"	36589	16"	8.5"	1,900 LBS.
0.820-1.000"	36591	16"	8.5"	1,900 LBS.
0.960-1.250"	36594	17"	11.0"	1,900 LBS.

<sup>&</sup>lt;sup>1</sup>TO DETERMINE WORKLOAD SAFETY FACTOR, DIVIDE APPROXIMATE BREAK STRENGTH BY 10. SEE PAGE 187 FOR STRENGTH INFORMATION.



Bus Drop, Closed Mesh, Locking Bale

# **Bus Drop Accessories**

DESCRIPTION	PART NO.
SAFETY SPRING, 40 LB. LOAD	36237
SAFETY SPRING, 80 LB. LOAD	36238
SUPPORT HOOK	36241



Accessories

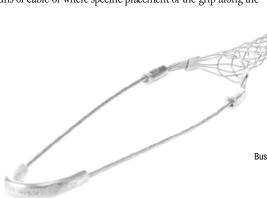


MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

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### **SUPPORT GRIPS** Fiber Optic •

Fiber optic support grips are designed to reduce stress on fragile cables in vertical or sloping runs. They are woven of nonmagnetic tinned bronze wire, and are available in both single eye and locking bale configurations. A split rod version is offered for use on existing runs of cable or where specific placement of the grip along the cable is desired.



Bus Drop, Closed Mesh, Single Eye

#### Fiber Optic, Closed Mesh, Single Eye

CABLE DIAMETER RANGE	PART NO.	BALE LENGTH	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>1</sup>
0.180-0.250"	36670	3"	1.7"	300 LBS.
0.230-0.320"	36671	3"	2.5"	300 LBS.
0.300-0.390"	36672	4"	2.5"	300 LBS.
0.370-0.480"	36673	5"	4.0"	300 LBS.
0.460-0.580"	36674	6"	4.0"	400 LBS.
0.560-0.710"	36675	7"	5.5"	600 LBS.
0.690-0.880"	36676	8"	6.0"	800 LBS.

#### Fiber Optic, Closed Mesh, Locking Bale

CABLE DIAMETER RANGE	PART NO.	BALE LENGTH	MESH Length	APPROXIMATE BREAK STRENGTH
0.180-0.250"	36690	9"	2.5"	300 LBS.
0.230-0.320"	36691	9"	2.0"	300 LBS.
0.300-0.390"	36692	9"	2.5"	300 LBS.
0.370-0.480"	36693	10"	4.0"	300 LBS.
0.460-0.580"	36694	10"	4.0"	400 LBS.
0.560-0.710"	36695	10"	5.5"	600 LBS.
0.690-0.880"	36696	10"	6.0"	800 LBS.



Fiber Optic, Closed Mesh, Locking Bale

#### Fiber Optic, Split Rod, Single Eye

•	, I	, ,		
CABLE DIAMETER RANGE	PART NO.	BALE LENGTH	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>1</sup>
0.180-0.250"	36680	3"	2.5"	300 LBS.
0.230-0.320"	36681	3"	2.5"	300 LBS.
0.300-0.390"	36682	4"	2.5"	300 LBS.
0.370-0.480"	36683	5"	4.0"	300 LBS.
0.460-0.580"	36684	6"	5.0"	400 LBS.
0.560-0.710"	36685	7"	5.0"	600 LBS.
U 88U"	36686	8"	6.0"	800 LBS

Fiber Optic, Split Rod, Single Eye

<sup>&</sup>lt;sup>1</sup> TO DETERMINE WORKLOAD SAFETY FACTOR, DIVIDE APPROXIMATE BREAK STRENGTH BY 10. SEE PAGE 187 FOR STRENGTH INFORMATION.



### PULLING GRIPS Junior Duty

Junior duty series grips are indispensable tools for electricians with small job requirements. They are used to connect insulated wire bundles to pulling tape or to pull wire or rope through conduit.

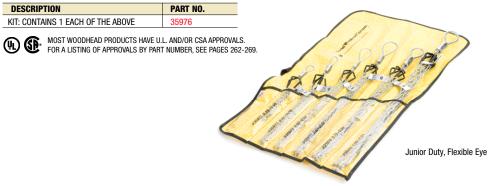


#### Junior Duty, Flexible Eye

CABLE DIAMETER RANGE	PART NO.	DESCRIPTION	MESH Length	APPROXIMATE BREAK STRENGTH <sup>1</sup>
0.250-0.360"	35970	PJ25	5"	1,700 LBS.
0.370-0.490"	35971	PJ37	7"	1,700 LBS.
0.500-0.610"	35972	PJ50	8"	1,700 LBS.
0.620-0.740"	35973	PJ62	10"	2,800 LBS.
0.750-0.990"	35974	PJ75	10"	4,100 LBS.
1.000-1.240"	35975	PJ100	12"	4,100 LBS.

<sup>&</sup>lt;sup>1</sup> TO DETERMINE WORKLOAD SAFETY FACTOR, DIVIDE APPROXIMATE BREAK STRENGTH BY 5. SEE PAGE 187 FOR STRENGTH INFORMATION.

### Junior Duty, Flexible Eye Kit



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### **PULLING GRIPS** Light Duty

Light Duty, Short Length, Flexible Eye

Light duty grips are the most economical pulling grips for many applications, such as industrial plant wiring, and rewiring, and underground electrical pulls.



#### Light Duty, Short Length, Flexible Eye

CABLE DIAMETER RANGE	PART NO.	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>1</sup>
0.500-0.610"	35901	11"	3,400 LBS.
0.620-0.740"	35902	11"	4,100 LBS.
0.750-0.990"	35903	13"	4,100 LBS.
1.000-1.240"	35904	14"	5,800 LBS.
1.250-1.490"	35905	15"	5,800 LBS.
1.500-1.740"	35906	16"	7,500 LBS.
1.750-1.990"	35907	18"	10,000 LBS.
2.000-2.490"	35908	19"	10,000 LBS.
2.500-2.990"	35909	19"	13,000 LBS.

# Light Duty, Standard Length, Flexible Eye

CABLE DIAMETER RANGE	PART NO.	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>1</sup>
0.500-0.610"	35910	16"	3,400 LBS.
0.620-0.740"	35911	16"	4,100 LBS.
0.750-0.990"	35912	20"	4,100 LBS.
1.000-1.240"	35913	20"	7,500 LBS.
1.250-1.490"	35914	22"	7,500 LBS.
1.500-1.990"	35915	25"	7,500 LBS.
2.000-2.490"	35916	26"	10,000 LBS.
2.500-2.990"	35917	28"	13,000 LBS.
3.000-3.490"	35918	30"	16,200 LBS.
3.500-3.990"	35919	32"	19,400 LBS.

# Light Duty, Standard Length, Flexible Eye Kit

DESCRIPTION	PART NO.
KIT: CONTAINS 1 EACH OF 35912, 35913, 35915, 35916	35990

 $<sup>^{\</sup>rm I}$  to determine workload safety factor, divide approximate break strength by 5. See Page 187 for strength information.



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

### PULLING GRIPS Medium Duty

Medium duty pulling grips are ideal for overhead and underground pulling applications that require additional durability at an economical price. Medium duty pulling grips are hand crafted with single weave strands that graduate to a double weave design for added strength and durability.



### Medium Duty, Flexible Eye

CABLE DIAMETER RANGE	PART NO.	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>1</sup>
0.370-0.490"	35930	13"	2,600 LBS.
0.500-0.740"	35931	17"	3,400 LBS.
0.750-0.990"	35932	20"	5,500 LBS.
1.000-1.240"	35933	28"	8,100 LBS.
1.250-1.490"	35934	33"	8,100 LBS.
1.500-1.740"	35935	36"	8,100 LBS.

<sup>&</sup>lt;sup>1</sup> TO DETERMINE WORKLOAD SAFETY FACTOR, DIVIDE APPROXIMATE BREAK STRENGTH BY 5. SEE PAGE 187 FOR STRENGTH INFORMATION.

#### Medium Duty, Flexible Eye Kit

DESCRIPTION	PART NO.
KIT: CONTAINS 1 EACH OF THE ABOVE	35936



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR GAR AFFROVALS.
FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

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### **PULLING GRIPS** Medium Duty

Medium duty pulling grips are recommended for heavy or rugged applications, and are ideally suited for overhead and underground installations. These grips are woven in galvanized steel.



Medium Duty, Short Length, Flexible Eye, T-Type

#### Medium Duty, Short Length, Flexible Eye, T-Type

CABLE DIAMETER RANGE	PART NO.	MESH LENGTH	EYE Diameter	APPROXIMATE BREAK STRENGTH
0.500-0.610"	35940	21"	7/32"	4,500 LBS.
0.620-0.740"	35941	24"	1/4"	5,600 LBS.
0.750-0.990"	35942	24"	1/4"	6,800 LBS.
1.000-1.490"	35943	24"	5/16"	9,600 LBS.
1.500-1.990"	35944	24"	7/16"	16,400 LBS.
2.000-2.490"	35945	24"	7/16"	18,500 LBS.
2.500-2.990"	35946	24"	1/2"	24,500 LBS.
3.000-3.490"	35947	24"	1/2"	24,500 LBS.
3.500-3.990"	35948	26"	5/8"	31,000 LBS.

#### Medium Duty, Standard Length, Flexible Eye, T-Type

CABLE DIAMETER RANGE	PART NO.	MESH LENGTH	EYE Diameter	APPROXIMATE BREAK STRENGTH
0.750-0.990"	35950	36"	1/4"	6,800 LBS.
1.000-1.490"	35951	36"	5/16"	9,600 LBS.
1.500-1.990"	35952	36"	7/16"	16,400 LBS.
2.000-2.490"	35953	36"	7/16"	18,500 LBS.
2.500-2.990"	35954	36"	1/2"	24,500 LBS.
3.000-3.490"	35955	36"	1/2"	24,500 LBS.
3.500-3.990"	35956	40"	5/8"	31,000 LBS.

### Medium Duty, Standard Length, Flexible Eye Kit

DESCRIPTION	PART NO.
KIT: T-TYPE CONTAINS 1 EACH OF 35950, 35951, 35952, 35953	35980

# Medium Duty, Long Length, Flexible Eye

CABLE DIAMETER RANGE	PART NO.	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>1</sup>
0.750-0.990"	35960	48"	8,100 LBS.
1.000-1.490"	35961	48"	11,600 LBS.
1.500-1.990"	35962	48"	19,400 LBS.
2.000-2.490"	35963	48"	19,400 LBS.
2.500-2.990"	35964	48"	25,900 LBS.
3.000-3.490"	35965	48"	25,900 LBS.
3.500-3.990"	35966	48"	32,400 LBS.

<sup>&</sup>lt;sup>1</sup> To determine workload safety factor, divide approximate break strength by 5. See page 187 for strength information.



#### PULLING GRIPS Heavy Duty

K-type pulling grips feature a double weave of galvanized steel for greater strength and added mesh contact with the cable as well as a forged steel compact rotating eye, which can be attached to a swivel. They are designed to handle longer or heavier pulling jobs such as an installation of underground cables, communication lines and service lines.



#### Heavy Duty, Short Length, Rotating Eye, K-Type

CABLE DIAMETER RANGE	PART NO.	MESH LENGTH	EYE Diameter	APPROXIMATE BREAK STRENGTH <sup>1</sup>
0.500-0.610"	35850	11"	7/8"	5,600 LBS.
0.620-0.740"	35851	11"	7/8"	6,800 LBS.
0.750-0.990"	35867	20"	1"	9,600 LBS.
1.000-1.240"	35868	20"	1-3/8"	16,400 LBS.
1.250-1.490"	35869	21"	1-3/8"	16,400 LBS.
1.500-1.990"	35870	25"	1-5/8"	27,200 LBS.
2.000-2.490"	35871	26"	1-7/8"	33,000 LBS.
2.500-2.990"	35872	28"	1-7/8"	41,000 LBS.
3.000-3.490"	35873	30"	1-7/8"	48,000 LBS.
3.500-3.990"	35874	32"	1-7/8"	48,000 LBS.
4.000-4.490"	35875	33"	1-7/8"	48,000 LBS.

# Heavy Duty, Standard Length, Rotating Eye, K-Type

CABLE DIAMETER RANGE	PART NO.	MESH LENGTH	EYE Diameter	APPROXIMATE BREAK STRENGTH <sup>1</sup>
0.500-0.610"	35865	16"	7/8"	5,600 LBS.
0.620-0.740"	35866	16"	7/8"	6,800 LBS.
0.750-0.990"	35880	32"	1"	9,600 LBS.
1.000-1.490"	35881	33"	1-3/8"	16,400 LBS.
1.500-1.990"	35882	34"	1-3/8"	16,400 LBS.
2.000-2.490"	35883	36"	1-5/8"	27,200 LBS.
2.500-2.990"	35884	38"	1-7/8"	33,000 LBS.
3.000-3.490"	35885	39"	1-7/8"	41,000 LBS.
3.500-3.990"	35886	41"	1-7/8"	48,000 LBS.
4.000-4.490"	35887	42"	1-7/8"	48,000 LBS.
4.500-4.990"	35897	58"	1-7/8"	48,000 LBS.
5.000-5.990"	35898	60"	1-7/8"	48,000 LBS.
6.000-6.990"	35899	66"	1-7/8"	48,000 LBS.

 $<sup>^1</sup>$  To determine workload safety factor, divide approximate break strength by 5. See Page 187 for strength information.

# Heavy Duty, Standard Length, Rotating Eye Kit

DESCRIPTION	PART NO.
KIT: T-TYPE CONTAINS 1 EACH OF 35880, 35881, 35882, 35883	36010



#### **PULLING GRIPS** Multi-Weave

Multi-weave pulling grips are constructed of high strength galvanized steel and are designed for pulling aluminum or copper bare conductor, wire rope and insulated cables. These grips are used in applications such as distribution line stringing and overhead transmission.

Multi-weave pulling grips are available with a flexible and rotating eye, which can be attached to a swivel.



## Multi-Weave, Rotating Eye

The forged steel rotating eye will thread through sheaves and blocks without binding, but is not a swivel and will not turn under tension. The rotating eye can turn to relieve pulling torque when tension is relaxed.

CABLE DIAMETER RANGE	PART NO.	MESH LENGTH	EYE DIAMETER	COLOR CODE	APPROXIMATE BREAK STRENGTH <sup>1</sup>
0.250-0.490"	36620	26"	7/8"	DK GREEN	6,800 LBS.
0.500-0.740"	36621	32"	1"	BROWN	10,000 LBS.
0.750-0.990"	36622	41"	1"	LT BLUE	14,400 LBS.
1.000-1.240"	36623	52"	1-3/8"	GOLD	24,600 LBS.
1.250-1.490"	36624	56"	1-5/8"	BLACK	30,600 LBS.
1.500-1.740"	36625	60"	1-7/8"	RED	30,600 LBS.
1.750-2.240"	36626	70"	1-7/8"	DK BLUE	48,000 LBS.
2.000-2.490"	36627	50"	1-7/8"	YELLOW	48,000 LBS.
2.500-2.990"	36628	52"	1-7/8"	ORANGE	48,000 LBS.
3.000-3.490"	36629	54"	1-7/8"	ALUM"UM	48,000 LBS.
3.500-3.990"	36630	56"	1-7/8"	LT GREEN	48,000 LBS.

## Multi-Weave, Flexible Eye

CABLE DIAMETER RANGE	PART NO.	MESH LENGTH	EYE DIAMETER	COLOR CODE	APPROXIMATE BREAK STRENGTH
0.250-0.490"	36640	26"	1/4"	DK GREEN	6,800 LBS.
0.500-0.740"	36641	32"	5/16"	BROWN	10,000 LBS.
0.750-0.990"	36642	41"	3/8"	LT BLUE	14,400 LBS.
1.000-1.240"	36643	52"	1/2"	GOLD	24,600 LBS.
1.250-1.490"	36644	56"	1/2"	BLACK	30,600 LBS.
1.500-1.740"	36645	60"	1/2"	RED	30,600 LBS.
1.750-2.240"	36646	70"	5/8"	DK BLUE	48,000 LBS.
2.000-2.490"	36647	50"	5/8"	YELLOW	48,000 LBS.
2.500-2.990"	36648	52"	5/8"	ORANGE	48,000 LBS.
3.000-3.490"	36649	54"	5/8"	ALUMINUM	48,000 LBS.
3.500-3.990"	36650	56"	5/8"	LT GREEN	48,000 LBS.

<sup>&</sup>lt;sup>1</sup> TO DETERMINE WORKLOAD SAFETY FACTOR, DIVIDE APPROXIMATE BREAK STRENGTH BY 5. SEE PAGE 187 FOR STRENGTH INFORMATION.

NOTE: IT IS RECOMMENDED THAT A SWIVEL BE USED FOR RELEASE OF TORQUE DURING A PULL. USE A CONNECTING LINK WHEN A SWIVEL IS NOT NEEDED.

DO NOT RUN GRIPS OR SWIVELS OVER BULLWHEELS WHILE UNDER TENSION. DO NOT USE MULTI-WEAVE FOR PULLING ROPE. WHEN HIGHER LOADS ARE
REQUIRED, USE WOODHEAD'S HIGH STRENGTH-STYLE PULLING GRIPS. SEE INSTALLATION INSTRUCTIONS SUPPLIED WITH GRIP FOR RECOMMENDED

SWIVELS, LINKS AND CLAMPS OR ACCESSORIES LISTING.



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

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## PULLING GRIPS High Strength

High strength pulling grips are designed for situations where loads and safety considerations require an extra high strength grip. They are most commonly used for attaching pulling lines to conductors, conductors to running boards and conductor-to conductor connections. These grips can be used for pulling bare or insulated conductor, wire rope or synthetic rope.



## High Strength, Flexible Eye

CABLE DIAMETER RANGE <sup>1</sup>	PART NO.	MESH LENGTH	EYE Diameter	COLOR	APPROXIMATE BREAK STRENGTH <sup>2</sup>
0.190-0.370"	36610	24"	7/32"	BLACK	6,500 LBS.
0.380-0.620"	36611	26"	3/8"	DK GREEN	14,400 LBS.
0.630-0.870"	36612	48"	7/16"	RED	20,000 LBS.
0.880-1.120"	36613	60"	1/2"	DK BLUE	30,600 LBS.
1.130-1.370"	36614	76"	5/8"	YELLOW	46,800 LBS.
1.380-1.900"	36615	89"	3/4"	ALUMINUM	66,500 LBS.

<sup>1</sup> FOR ROPE, SELECT SMALLEST SIZE GRIP WHICH MEETS REQUIRED WORKLOAD.

## Rope Assembly Using High Strength Feed Tube

A feed tube is recommended when assembling synthetic rope into the High Strength Pulling Grip and is required on the two largest grip sizes.

- 1. Insert feed tube into High Strength Pulling Grip.
- 2. Insert rope end fully into feed tube.
- 3. Hold rope in feed tube by pinning rope to the ground with end of tube. Pull mesh down onto feed so feed tube nose is protruding through shoulder protectors.
- 4. Push mesh to end of feed tube and pull feed tube through mesh. When pulled, the mesh gripping action will hold rope in place.
- 5. Position rope so that its end is inside the shoulder protectors. Remove slack by smoothing mesh tight to rope.
- 6. Apply clamps to mesh end as necessary.



<sup>&</sup>lt;sup>2</sup> TO DETERMINE WORKLOAD SAFETY FACTOR, DIVIDE APPROXIMATE BREAK STRENGTH BY 5. SEE PAGE 187 FOR STRENGTH INFORMATION.

## **PULLING GRIPS** Fiber Optic

Fiber Optic pulling grips are used for installation of fiber optic communication lines. Easily installed on cables and reusable. Applications include underground, overhead, through conduit and/or enclosure-type pulls.



## Fiber Optic, Closed Mesh, Rotating Eye

CABLE DIAMETER RANGE	PART NO.	APPROXIMATE BREAK STRENGTH <sup>1</sup>	MESH Length	BALE LENGTH	NOSE Diameter
0.100-0.200"	36660	1,000 LBS.	9"	4.75"	0.8"
0.210-0.350"	36661	1,500 LBS.	14"	4.75"	0.8"
0.350-0.480"	36662	2,200 LBS.	18"	5.00"	0.9"
0.420-0.610"	36663	2,800 LBS.	21"	5.00"	0.9"
0.530-0.740"	36664	3,300 LBS.	24"	5.00"	1.2"
0.640-0.870"	36665	4,700 LBS.	27"	5.00"	1.2"

<sup>&</sup>lt;sup>1</sup>TO DETERMINE WORKLOAD SAFETY FACTOR, DIVIDE APPROXIMATE BREAK STRENGTH BY 5. SEE PAGE 187 FOR STRENGTH INFORMATION.



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#### PULLING GRIPS Slack

Slack grips are reusable grips used for pulling slack in underground cable preparatory to final placement. They may also be used for cable removal. Slack grips feature an offset eye for easy attachment to the pulling line.



## Double Weave, Standard Length, Closed Mesh, Offset Eye

CABLE DIAMETER RANGE	PART NO.	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>1</sup>
0.750-0.990"	36101	13"	3,000 LBS.
1.000-1.240"	36102	16"	4,200 LBS.
1.250-1.490"	36103	17"	5,500 LBS.
1.500-1.740"	36104	18"	7,400 LBS.
1.750-1.990"	36105	19"	11,000 LBS.
2.000-2.490"	36106	20"	11,000 LBS.
2.500-2.990"	36107	21"	11,000 LBS.
3.000-3.490"	36108	22"	16,000 LBS.
3.500-3.990"	36109	23"	16,000 LBS.

## Double Weave, Long Length, Closed Mesh, Offset Eye

CABLE DIAMETER RANGE	PART NO.	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>1</sup>
0.750-0.990"	36111	21"	3,000 LBS.
1.000-1.240"	36112	21"	5,500 LBS.
1.250-1.490"	36113	24"	5,500 LBS.
1.500-1.740"	36114	26"	7,400 LBS.
2.000-2.490"	36115	27"	11,000 LBS.
2.500-2.990"	36116	30"	11,000 LBS.
3.000-3.490"	36117	33"	16,000 LBS.
3.500-3.990"	36118	36"	16,000 LBS.

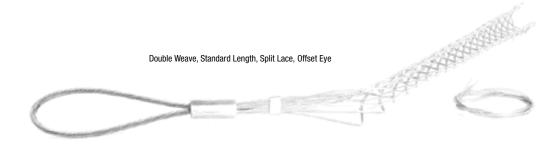
 $<sup>^{\</sup>rm 1}$  to determine workload safety factor, divide approximate break strength by 5. See page 187 for strength information.



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#### **PULLING GRIPS Slack** •



## Double Weave, Standard Length, Split Lace, Offset Eye

CABLE DIAMETER RANGE	PART NO.	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>1</sup>
0.750-0.990"	36120	13"	3,000 LBS.
1.000-1.240"	36121	16"	4,100 LBS.
1.250-1.490"	36122	17"	4,100 LBS.
1.500-1.740"	36123	18"	5,500 LBS.
1.750-1.990"	36124	19"	7,300 LBS.
2.000-2.490"	36125	20"	7,300 LBS.
2.500-2.990"	36126	21"	7,300 LBS.
3.000-3.490"	36127	22"	9,200 LBS.
3.500-3.990"	36128	23"	11,000 LBS.

## Double Weave, Long Length, Split Lace, Offset Eye

CABLE DIAMETER RANGE	PART NO.	MESH LENGTH	APPROXIMATE BREAK STRENGTH <sup>1</sup>
0.750-0.990"	36130	21"	3,000 LBS.
1.000-1.240"	36131	21"	4,100 LBS.
1.250-1.490"	36132	24"	4,100 LBS.
1.500-1.740"	36133	25"	5,500 LBS.
2.000-2.490"	36134	27"	7,300 LBS.
2.500-2.990"	36135	30"	7,300 LBS.
3.000-3.490"	36136	33"	9,200 LBS.
3.500-3.990"	36137	36"	11,000 LBS.

## Single Weave, Standard Length, Split Rod, Offset Eye

PART NO.	MESH Length	APPROXIMATE BREAK STRENGTH <sup>1</sup>
36140	7"	1800 LBS.
36141	9"	1900 LBS.
36142	11"	3000 LBS.
36143	12"	4100 LBS.
36144	14"	5700 LBS.
36145	16"	5800 LBS.
36146	17"	7700 LBS.
36147	20"	9300 LBS.
36148	21"	11,300 LBS.
36149	22"	15,100 LBS.
36150	25"	15,100 LBS.
	PART NO.  36140 36141 36142 36143 36144 36145 36145 36147 36148 36149	PART NO.    MESH   LENGTH

<sup>&</sup>lt;sup>1</sup> TO DETERMINE WORKLOAD SAFETY FACTOR, DIVIDE APPROXIMATE BREAK STRENGTH BY 5. SEE PAGE 187 FOR STRENGTH INFORMATION.





Single Weave, Standard Length, Split Rod, Offset Eye

#### SELECTING PROPERLY SIZED PULLING AND SUPPORT GRIPS

Select grip size based upon the outside diameter or circumference of the cable(s). See the following reference tables for convenience in determining cable diameters.

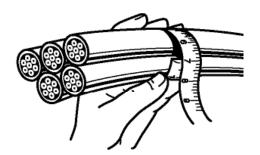
Use the following grip selection tables to determine the grip diameter range for your application.

# Grip selection for one or more cables of equal diameter

- 1. Read across top line for number of cables in one grip.
- 2. Read down for diameter of each cable.
- 3. Read across to the right to grip diameter range column.

#### Example: For five cables together with diameter of 0.42" each

- 1. Locate "5 cables" column.
- 2. Read down column to range (0.38–0.48").
- 3. Read across line to grip diameter range (1.00–1.25").



# Decimal and Fractional Inch Cable Diameters – For One or More Cables of Equal Diameter

1 CABLE	2 CABLES	3 CABLES	4 CABLES	GRIP DIAMETER RANGE
0.25-0.37 = ½ - ½	0.16-0.25 = 1/64 - 1/4	0.15-0.22 = 1/32 - 1/32	0.12-0.20 = 1/6 - 13/64	0.25-0.375
0.37-0.50 = % - ½	0.25-0.36 = 1/4 - 23/64	0.22-0.33 = 1/32 - 21/64	0.20-0.28 = 13/4 - 3/32	0.375-0.50
0.50-0.62 = ½ - %	$0.27-0.36 = {}^{17}\%_{4} - {}^{23}\%_{4}$	$0.26-0.33 = \frac{17}{64} - \frac{21}{64}$	0.24-0.28 = 15/64 - 1/32	0.50-0.62
0.62-0.75 = % - ¾	0.36-0.45 = 23/4 - 29/4	0.33-0.36 = 21/64 - 23/64	0.28-0.31 = \%2 - \%6	0.62-0.75
0.75-1.00 = \% - 1	$0.45-0.60 = {}^{2}\%_{4} - {}^{3}\%_{4}$	$0.36-0.49 = \frac{23}{64} - \frac{31}{64}$	0.31-0.42 = 5/6 - 27/64	0.75-1.00
1.00-1.25 = 1 - 11/4	0.60-0.76 = 39/4 - 49/4	0.49-0.63 = 31/64 - 5/8	$0.42-0.54 = {}^{27}/_{64} - {}^{35}/_{64}$	1.00-1.25
1.25-1.50 = 1¼ - 1½	0.76-0.91 = 4%4 - 29/32	0.63-0.75 = % - 4%4	$0.54-0.65 = {}^{3}\%_{4} - {}^{2}\%_{32}$	1.25-1.50
1.50-1.75 = 1½ - 1¾	0.91-1.08 = 29/2 - 115/4	0.76-0.89 = 49/64 - 57/64	0.65-0.77 = 21/32 - 49/64	1.50-1.75
1.75-2.00 = 1% - 2	1.23-1.54 = 115/4 - 135/4	0.89-1.02 = 57/64 - 11/64	0.77-0.88 = 4%4 - 1/8	1.75-2.00
2.00-2.50 = 2 - 2½	1.54-1.84 = 115/4 - 135/4	1.02-1.28 = 11/4 - 11/32	0.88-1.00 = % - 1	2.00-2.50
2.50-3.00 = 2½ - 3	1.54-1.84 = 135/4 - 127/32	1.28-1.53 = 1%2 - 11/1/2	1.10-1.32 = 1½ - 12/64	2.50-3.00
3.00-3.50 = 3 - 3½	$1.84-2.15 = 1^{27}/_{32} - ^{25}/_{32}$	1.53-1.79 = 111/32 - 151/64	1.32-1.54 = 121/4 - 135/4	3.00-3.50
3.50-4.00 = 3½ - 4	2.15-2.45 = 25/2 - 229/4	1.79-2.05 = 151/4 - 23/4	1.54-1.76 = 135/4 - 149/4	3.50-4.00

5 Cables	6 & 7 CABLES	8 CABLES	9 CABLES	GRIP DIAMETER RANGE
0.11-0.14 = 1/64 - 1/64	0.10-0.11 = 3/2 - 7/64	0.09-0.10 = 3/2 - 7/4	0.06-0.09 = 1/16 - 3/32	0.25-0.375
0.14-0.21 = \%4 - \%	0.11-0.25 = 1/64 - 1/4	0.10-0.20 = ¾ - 1¾	0.09-0.19 = 32 - 36	0.375-0.50
0.21-0.25 = 1/32 - 1/4	0.19-0.22 = 3/6 - 3/2	0.17-0.20 = 11/64 - 13/64	0.15-0.19 = 32 - 36	0.50-0.62
0.25-0.29 = ½ - ½	0.22-0.26 = 1/32 - 17/64	0.20-0.23 = 13/4 - 15/4	0.19-0.22 = 3/16 - 7/32	0.62-0.75
0.29-0.38 = 1%4 - 3%	0.26-0.34 = 17/64 - 11/32	0.23-0.31 = 15/4 - 5/6	0.22-0.31 = 1/32 - 1/16	0.75-1.00
0.38-0.48 = 3/8 - 31/64	0.34-0.43 = 11/32 - 7/16	$0.31-0.39 = \frac{5}{16} - \frac{25}{16}$	0.29-0.36 = 19/4 - 23/4	1.00-1.25
$0.48-0.58 = {}^{3}\%_{4} - {}^{4}\%_{4}$	0.43-0.52 = 7/6 - 37/64	0.39-0.46 = 25/4 - 15/32	0.36-0.43 = 23/4 - 7/16	1.25-1.50
$0.58-0.67 = \frac{37}{64} - \frac{43}{64}$	0.52-0.60 = 33/4 - 39/4	$0.46 - 0.54 = \frac{15}{32} - \frac{35}{4}$	0.43-0.49 = 1/16 - 31/64	1.50-1.75
0.67-0.77 = 43/4 - 43/4	0.60-0.69 = 3%4 - 11/16	0.54-0.62 = 35/4 - 5/8	0.49-0.57 = 31/64 - 37/64	1.75-2.00
0.77 - 0.96 = 4%4 - 31/32	0.69-0.86 = 11/16 - 55/64	0.62-0.77 = % - 4%4	0.57-0.72 = 31/4 - 23/32	2.00-2.50
0.96-1.16 = 31/32 - 15/32	0.86-1.03 = 55/4 - 11/12	0.77-0.93 = 4%4 - 15/16	0.72-0.86 = 23/2 - 55/4	2.50-3.00
1.16-1.35 = 15/2 - 12/64	1.03-1.20 = 11/32 - 113/4	0.93-1.08 = 15/6 - 15/64	0.86-1.00 = 55/4 - 1	3.00-3.50
1.35-1.54 = 123/64 - 135/64	1.20-1.37 = 113/4 - 13/8	1.08-1.24 = 15/4 - 115/4	1.00-1.14 = 1 - 1%4	3.50-4.00

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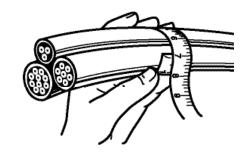
#### SELECTING PROPERLY SIZED PULLING AND SUPPORT GRIPS •

# Grip circumference range refers to circumference of all cables held together.

- 1. Determine grip circumference range by measuring circumference of bundle of cables to be held (as shown in illustration).
- 2. Read down to locate correct range.
- 3. Read across to grip diameter column.

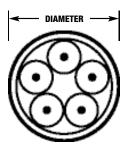
## Example: For three cables together with combined circumference of 6.35"

- 1. Read down "inches (decimal)" column for 6.35" (6.29-7.86").
- 2. Read across line to grip diameter range (2.00-2.50").



## Grip Circumference Range – For Cables of Different Diameters

INCHES (FRACTIONAL)	INCHES (DECIMAL)	GRIP DIAMETER RANGE
<sup>25</sup> / <sub>32</sub> - 1 <sup>11</sup> / <sub>64</sub> "	0.78-1.17"	0.25375"
111/64 - 137/64"	1.17-1.57"	0.375-0.50"
131/64 - 23/6"	1.57-2.37"	0.50-0.75"
115/6 - 23/11	1.94-2.37"	0.625-0.75"
2% - 35/32"	2.37-3.15"	0.75-1.00"
35/32 - 315/16"	3.15-3.94"	1.00-1.25"
315/16 - 4"	3.94-4.72"	1.25-1.50"
423/2 - 533/4"	4.72-5.51"	1.50-1.75"
5 <sup>3</sup> % <sub>4</sub> - 6 <sup>1</sup> % <sub>4</sub> "	5.51-6.29"	1.75-2.00"
61%4 - 755%4"	6.29-7.86"	2.00-2.50"
755/64 - 97/16"	7.86-9.43"	2.50-3.00"
91/16 - 111/64"	9.43-11.01"	3.00-3.50"
1111/64 - 1237/64"	11.01-12.58"	3.50-4.00"



#### Reference Table: Cord Diameters

For your convenience, the following are nominal overall diameters (in inches) for flexible cord.

AWG WIRE SIZE AND TYPE	2 CONDUCTORS	3 CONDUCTORS	4 CONDUCTORS	5 CONDUCTORS
18 SO, STO	0.36"	0.38"	0.41"	0.49"
18 SJ0, SJT0	0.30"	0.32"	0.35"	<b>-</b>
16 S0, ST0	0.39"	0.41"	0.44"	0.52"
16 SJ0, SJT0	0.32"	0.34"	0.37"	<b> </b> —
14 S0, ST0	0.52"	0.55"	0.59"	0.67"
12 S0, ST0	0.60"	0.62"	0.68"	0.74"
10 S0, ST0	0.65"	0.69"	0.74"	0.80"
8 SO, STO	0.83"	0.88"	0.99"	1.08"
6 SO, STO	0.99"	1.04"	1.12"	1.25"

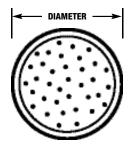
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## PULLING AND SUPPORT GRIPS

This table to be used as a guide only. Sizes may vary by manufacturer.

## AWG or MCM Wire Sizes

AWG OR MCM	APPROXIMATE DIAMETER THHM	APPROXIMATE DIAMETER THW
14	0.105"	0.162"
12	0.122"	0.179"
10	0.153"	0.199"
8	0.201"	0.259"
6	0.257"	0.323"
4	0.328"	0.372"
3	0.356"	0.401"
2	0.388"	0.433"
1	0.450"	0.508"
1/0	0.491"	0.549"
2/0	0.537"	0.595"
3/0	0.588"	0.647"
4/0	0.646"	0.705"
250	0.716"	0.788"
300	0.771"	0.843"
350	0.822"	0.895"
400	0.869"	0.942"
500	0.955"	1.03"
600	1.06"	1.14"
700	1.13"	1.21"
750	1.16"	1.25"
1000	1.32"	1.40"



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#### **PULLING AND SUPPORT GRIPS**

## Strength Information

The approximate breaking strength of any Woodhead wire mesh cable grip is based on working load information established by Woodhead engineering laboratories. In making these determinations, it is not possible to cover all applications and operating conditions. Variables such as diameters, gripping surfaces, number of items gripped, tension, movement, attachment, abrasion, corrosion, prior use, or abuse must be assessed by the user. Greater safety factors should be utilized when the conditions of application are vague or unknown.

For specific applications where strength and holding power are important, consult the manufacturer. To determine the recommended working load safety factor for listed cable grips, divide the approximate breaking strength by 5 for pulling grips and 10 for support grips. Woodhead maintains a 6 sigma safety factor for pulling grips and a 5 sigma safety factor for support grips for these recommended working loads (using average break strengths obtained on new grips under lab test conditions).

Example: For pulling grips  $-33,000 \div 5 = 6,600$  lbs. which is the workload factor. Example: For support grips  $-10,080 \div 10 = 1,008$  lbs. which is the workload factor.

All warranties concerning product quality or performance are based on wire mesh grips that are properly stored and handled by the user, and grips that are maintained and inspected at a proper frequency in keeping with their use and condition.

#### Grip Cable Range Conversion

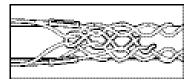
INCHES (FRACTIONAL)	INCHES (DECIMAL)	METRIC (MM)
1/4 - 23/64"	0.25-0.36"	6.35-9.13 mm
3/8 - 31/64"	0.37-0.49"	9.52-12.30 mm
1/2 - 39/64"	0.50-0.61"	12.70-15.48 mm
5% - 47/4"	0.62-0.74"	15.88-18.65 mm
3/4 - 63/64"	0.75-0.99"	19.05-25.00 mm
1 - 111/4"	1.00-1.24"	25.40-31.35 mm
11/4 - 131/64"	1.25-1.49"	31.75-37.70 mm
1½ - 16¾"	1.50-1.99"	38.10-50.40 mm
2 - 231/64"	2.00-2.49"	50.80-63.10 mm
2½ - 263/64"	2.50-2.99"	63.50-75.80 mm
3 - 331/64"	3.00-3.49"	76.20-88.50 mm
3½ - 36¾"	3.50-3.99"	88.90-101.20 mm

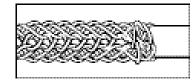
# Split Lace/Split Rod attachments (for use where end of cable is not accessible)

Beginning at the end of the grip closest to the bale fitting, thread the lacing through the first two loops of the split, pulling lace through until ends are centered evenly. Cross laces and thread through next two loops, and so on down the grip, being careful not to pull lacing too tight. Spacing of laced closure should be approximately the same as mesh weave. When end of grip is reached, twist lacing strands tightly together, wrap ends of lace around grip, and twist again to secure. Excess length may be cut off.

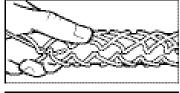
Split grips with rod closing are economical, since they are quickly installed, and are reusable. Simply wrap the grip around the cable and thread the rod through the loops, using a corkscrew motion. To remove, pull the rod out, and the grip is ready for re-use.

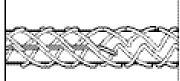
## Split-Lace

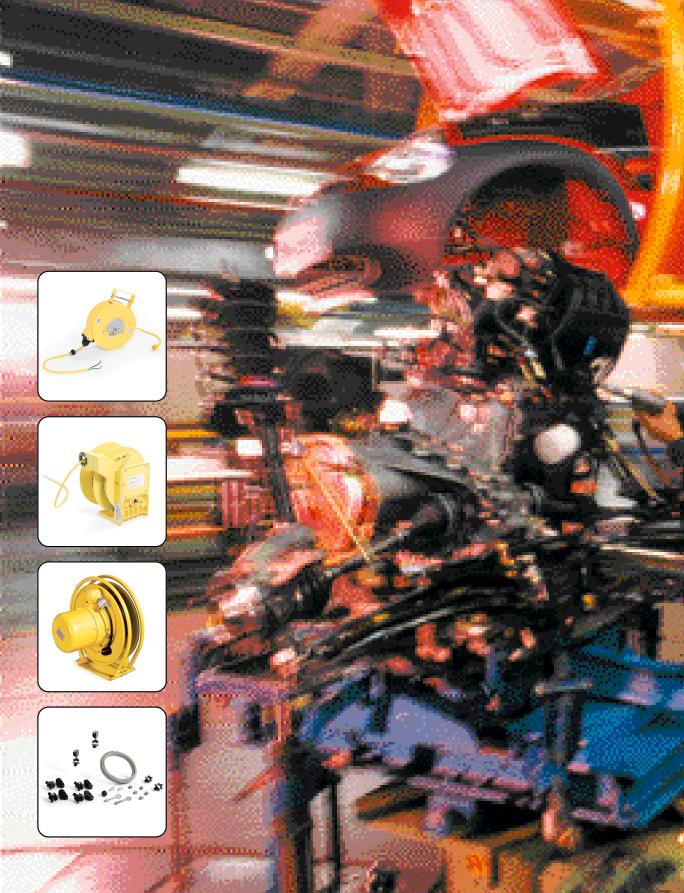




Split-Rod









Woodhead offers both standard duty cord reels and industrial duty cable reels to meet a variety of specific power supply needs. All are engineered and built to provide a safe, dependable power supply over years of rugged service. For added safety, each features enclosed electrical contacts.

#### **Cord Reels**

U.L. listed and CSA certified, standard duty Woodhead cord reels are renowned for their exceptional performance, long service life, and ease of maintenance. Made from precision electrical and mechanical components and offered in both swing and rigid mount versions, cord reels are ideal for keeping hand lamps and power outlet boxes accessible, yet out of the way.

Suitable for use with portable power supplies, mobile material handling equipment and portable lighting. Available with a variety of optional incandescent and fluorescent hand lamps.

#### **Cable Reels**

Spring-powerdindustrial duty cable reels are made of precision electrical and mechanical components which can accommodate up to 160 feet of cable. Woodhead cable reels are suitable for use in situations requiring portable lighting and power tools or a movable power supply, including mobile electrical equipment and a re appropriate for indoor or outdoor use, and available with and without cable.

#### STANDARD DUTY Cord Reels

Standard duty cord reels have a variety of optional accessories and are available in swinging or rigid mount versions. Reels come with enclosed electrical contacts, adjustable tension, and built in ratchet locks. Standard duty reels are exceptionally cost-effective and feature a durable steel/polycarbonate frame and retraction weight ratings up to 3 lbs.



## Standard Duty Cord Reels Standardduty cord reels utilize SJTOW cord.

WIRE GAUGE	CONDUCTORS	AMPERAGE	CORD	CONSTRUCTION	RETRACTION	PART NO.
16 AWG	3	6A	35'	ALL STEEL	2 lbs.	945-3
16 AWG	3	8A	50'	STEEL/POLYCARBONATE	3 lbs.	980
14 AWG	3	11A	45'	STEEL/POLYCARBONATE	3 lbs.	990
12 AWG	3	15A	35'	STEEL/POLYCARBONATE	3 lbs.	997

SEE PAGES 204-205 FOR TECHNICAL INFORMATION

## Standard Duty Cord Reels with Accessories

Find information about other hand lamps on pages 6-25. Find information about other portable power boxes on pages 134-151.

## Cord Reels with 13W Fluorescent Hand Lamp w/ Cord Ballast

WITH R	EEL NO.	CORD TYPE	CORD LENGTH	PART NO.
	980	16/3 SJT0W	50'	980-83
	990	14/3 SJT0W	45'	990-83



#### Hand Lamp Features

- $\bullet$  rubber handle with butyrate tube guard
- on/off switch on handle
- ballast on reel primary cord
- bulb included
- insulated light (non-conductive)
- see part no. 1083-3 on page 16 for details

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#### STANDARD DUTY Cord Reels with Accessories

## Cord Reels with 13W Fluorescent Hand Lamp w/ Handle Ballast

WITH REEL NO.		CORD TYPE	CORD LENGTH	PART NO.
	980	16/3 SJT0W	50'	980-86
	990	14/3 SJT0W	45'	990-86
	945-3	16/3 SJTOW	35'	945-3-86

#### Hand Lamp Features

- rubber handle with butyrate tube guard
- · on/off switch on handle
- ballast in handle
- bulb included
- insulated light (non-conductive)
- see part no. 1086-3 on page 16 for details

## Cord Reels with 13W Fluorescent Hand Lamp w/ Reel-mounted Switch

WITH R	EEL NO.	CORD TYPE	CORD LENGTH	PART NO.
<b>a</b>	980	16/3 SJT0W	50'	980A-831
	990	14/3 SJT0W	45'	990A-83¹

<sup>&</sup>lt;sup>1</sup> MEETS THE REQUIREMENTS OF OSHA 110.303 GENERAL DUTY CLAUSE REGULATION (REF. NEC 511-3[F1])



#### Hand Lamp Features

- rubber handle w/ butyrate tube guard
- reel mounted on/off switch
- ballast on reel primary cord
- bulb included
- see part no. 1083-3 on page 16 for details

## Cord Reels with 100W Max Incandescent Hand Lamp w/ Phenolic Handle

WITH R	EEL NO.	CORD TYPE	CORD LENGTH	PART NO.
	980	16/3 SJT0W	50'	980-271US
	990	14/3 SJT0W	45'	990-271US



- 125V
- NEMA 5-15 outlet in handle
- switch in handle
- see part no. 271US on page 20 for details



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FOR A LISTING OF APPROVALS BY PART NUMBER. SEE PAGES 262-269.

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#### STANDARD DUTY Cord Reels with Accessories

## Cord Reels with 100W Max Incandescent Hand Lamp w/ Rubber Handle

WITH R	EEL NO.	CORD TYPE	CORD LENGTH	PART NO.
	980	16/3 SJT0W	50'	980-106US
	990	14/3 SJT0W	45'	990-106US
	945-3	16/3 SJT0W	35'	963



#### Hand Lamp Features

- rubber handle with metal guard
- side outlet on handle
- on/off switch on handle
- see part no. 106US on page 14 for details

## Cord Reels with 100W Max Incandescent Hand Lamp w/ Nylon Guard

WITH R	EEL NO.	CORD TYPE	CORD LENGTH	PART NO.
<b>a a</b>	980	16/3 SJT0W	50'	980A-1181
	990	14/3 SJT0W	45'	990A-118 <sup>1</sup>

<sup>&</sup>lt;sup>1</sup> MEETS THE REQUIREMENTS OF OSHA 110.303 GENERAL DUTY CLAUSE REGULATION (REF. NEC 511-3[F1])



#### Hand Lamp Features

- rubber handle with nylon guard
- reel-mounted on/off switch
- insulated light (non-conductive)
- see page 15 for details

## Cord Reels with 30W Max Low Volt Incandescent Spot Light

WITH R	EEL NO.	CORD TYPE	CORD LENGTH	PART NO.
	980	16/3 SJTOW	50'	980-1610S
	945-3	16/3 SJT0W	35'	965

#### **Spot Light Features**

- rubber handle with metal guard
- on/off switch on handle
- insulated light (non-conductive)
- 125V to 12V transformer located on primary side of reel
- see part no. 1610S on page 41 for details



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## STANDARD DUTY Cord Reels with Accessories

#### Cord Reels with 15A Pendant Outlet Box

WITH R	WITH REEL NO.		CORD LENGTH	PART NO.
	980	16/3 SJT0W	50'	980-3000
	990	14/3 SJT0W	45'	990-3000
7	997	12/3 SJT0W	35'	997-3000
	945-3	16/3 SJTOW	35'	966



#### **Outlet Box Features**

- two duplex, NEMA 5-15 outlets
- standard depth box -3-3/8"
- see part no. 3000-1 on page 140 for details

#### Cord Reels with 15A GFCI Pendant Outlet Box

WITH REEL NO.		CORD TYPE	CORD LENGTH	PART NO.
2	980	16/3 SJT0W	50'	980-3070G
	990	14/3 SJT0W	45'	990-3070G
7	997	12/3 SJT0W	35'	997-3070G

## **Outlet Box Features**

- GFCI duplex, NEMA 5-15
- extended depth box -4%"
- see part no. 3070-GFI on page 136 for details



#### Cord Reels with 15A Connector

WITH R	WITH REEL NO.		CORD LENGTH	PART NO.
2	980	16/3 SJT0W	50'	980-1547
	990	14/3 SJT0W	45'	990-1547
	945-3	16/3 SJTOW	35'	945-1547

#### **Connector Features**

- 15A/125V 2-pole, 3-wire
- NEMA 5-15
- see part no. 1547 on page 53 for details





#### INDUSTRIAL DUTY Cable Reels

Meets NEMA 4 rating for water and corrosion, weather- and dust-resistance. Compact, rugged and reliable cable reel, designed for safe, easy use and dependable long-term service. Cast aluminum construction in yellow powder coat finish. Cable guide is adjustable every 5 degrees over a 270 degree arc. Ratchet lock is easy to disengage for constant tension. Reel cannot be "locked out" at full extension. Large, easy access junction box and easily replaceable spring set this reel apart from others. Ball stops are available on page 197.



## Industrial Duty Cable Reels

SOW cable 600V rated. Lifting speed: 150 f.p.m. max. Retraction weight: 4 lbs. Collector ring rating: 30A.

				CABLE LENGTH				WITHOU	JT CABLE			
WIRE GAUGE	COND.	AMPS <sup>1</sup>	20'	25'	30'	35'	38'	40'	45'	50'	PART NO.	CABLE RANGE
16 AWG	3	9A	_	_	9224	_	_	_	_	9228	095105203	up to 50'
	4	7A	_	_	9234	_	_	_	_	9238	095105204	up to 50'
	6	7A	l —	_	_	_	_	_	9206	_	095105206	up to 50'
	8	6A	_	_	_	_	9208	_	_	_	095105208	up to 38'
	8	6A	_	_	_	_	_	_	_	92481	095106208	38-50'
	10	5A	l —	_	92401	_	_	_	_	_	095106210	up to 40'
	12	5A	_	_	92411	_	_	_	_	_	095106212	up to 40'
14 AWG	3	13A	l —	9253	_	_	_	_	_	_	095105203	up to 25'
	3	13A	l —	_	_	_	_	_	_	9358	095104203	25-50'
	4	11A	_	9363	_	_	_	_	9367	_	095104204	up to 50'
	6	11A	l —	_	_	9306	_	_	_	_	095104206	up to 40'
	8	8A	9308	_	_	_	_	_	_	_	095104208	up to 20'
	8	8A	_	_	92482	_	_	_	_	_	095106208	20-30'
	10	7A	92402	_	_	_	_	_	_	_	095106210	up to 20'
12 AWG	3	18A	_	9383	_	9385	_	_	_	_	095104203	up to 35'
	3	18A	_	_	_	_	_	_	_	92433	095106203	35-50'
	4	14A	_	_	9394	_	_	_	_	_	095104204	up to 30'
	4	14A	_	_	_	_	_	92443	_	_	095106204	30-40'
	6	14A	_	_	92463	_	_	_	_	_	095106206	up to 30'
	8	12A	92483	_	_	_	_	_	_	_	095106208	up to 20'
10 AWG	3	22A	9242	_	_	_	_	_	_	_	095105203	up to 30'
	3	22A	_	_	_	_	_	92434	_	_	095106203	30-40'
	4	16A	—	_	92444	_	_	_	_	_	095106204	up to 30'
	6	14A	92464	_	_	_	_	_	_	_	095106206	up to 20'

¹ THE CORD REEL AMPERAGE RATINGS LISTED ARE DE-RATED FIGURES. THEY ARE BASED ON THE CABLE BEING SPOOLED AND RUN AT FULL LOAD. THE RATINGS SUPPLIED BY CABLE MANUFACTURERS ARE WITH THE CABLE FULLY EXTENDED IN FREE AIR. FOR MORE COMPLETE DATA OR SPECIFIC DETAILS, PLEASE REFER TO THE NATIONAL ELECTRICAL CODE.

NOTE: FOR TECHNICAL INFORMATION SEE PAGES 204-205.



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#### **INDUSTRIAL DUTY** Cable Reels with Accessories

## Cable Reels with 13W Fluorescent Hand Lamp

WITH REEL NO.		CORD TYPE	CORD LENGTH	PART NO.
0	9228	16/3 SOW	50'	9228-86
S Committee of the second	9224	16/3 SOW	30'	9224-86

## Hand Lamp Features

- rubber handle with butyrate tube guard
- on/off switch on handle
- · ballast in handle
- bulb included
- insulated light (non-conductive)
- see part no. 1086-3 on page 16 for details

## Cable Reels with 100W Max Incandescent Hand Lamp w/ Power Switch

WITH REEL NO.		CORD TYPE	CORD LENGTH	PART NO.
Still	9228	16/3 SOW	50'	9228-106US
	9358	14/3 SOW	50'	9358-106US
	9224	16/3 SOW	30'	9224-106US
	9253	14/3 SOW	25'	9253-106US



#### Hand Lamp Features

- rubber handle with metal guard
- on/off switch on handle
- side outlet on handle
- see part no. 106US on page 14 for details

## Cable Reels with 75W Incandescent Low Volt Hand Lamp w/ Glass Globe

WITH REEL NO.		CORD TYPE	CORD LENGTH	PART NO.
G .	9228	16/3 SOW	50'	9228-1621
	9358	14/3 SOW	50'	9358-1621
0	9224	16/3 SOW	30'	9224-1621
A Date	9253	14/3 SOW	25'	9253-1621



#### Hand Lamp Features

- rubber handle with tempered glass globe and wire guard
- · transformer located on primary side of reel
- see part no. 1621-12A on page 10 for details



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## INDUSTRIAL DUTY Cable Reels with Accessories

## Cable Reels with 30W Max Low Volt Incandescent Spot Light

WITH REEL NO.		CORD TYPE	CORD LENGTH	PART NO.
6	9228	16/3 SOW	50'	9228-1610S
	9358	14/3 SOW	50'	9358-1610S
D	9224	16/3 SOW	30'	9224-1610S
9,311	9253	14/3 SOW	25'	9253-1610S



## **Spot Light Features**

- rubber handle with metal guard
- · on/off switch on handle
- insulated light (non-conductive)
- 125V to 12V transformer located on primary side of reel
- see part no. 1610S on page 41 for details

## Cable Reels with 15A Pendant Outlet Box

WITH REEL NO.		CORD TYPE	CORD LENGTH	PART NO.
	9358	14/3 SOW	50'	9358-3000
	92433	12/3 SOW	50'	92433-3000
	9253	14/3 SOW	25'	9253-3000
and and	9383	12/3 SOW	25'	9383-3000

## Cable Reels with 20A Pendant Outlet Box

WITH REEL NO.		CORD TYPE	CORD LENGTH	PART NO.
Contract Con	92433	12/3 SOW	50'	92433-3080
S OF	9383	12/3 SOW	25'	9383-3080

#### 15A Outlet Box Features

- two duplex, NEMA 5-15 outlets
- standard depth box -3%"
- see part no. 3000-1 on page 140 for details

#### 20A Outlet Box Features

- two duplex, NEMA 5-20 outlets
- $\bullet$  extended depth box -4%"
- see part no. 3080-10 on page 140 for details





#### **INDUSTRIAL DUTY** Cable Reels with Accessories •

#### Cable Reels with 15A GFCI Pendant Outlet Box

ĺ	WITH REEL NO.		CORD TYPE	CORD LENGTH	PART NO.
G	9358	14/3 SOW	50'	9358-3070G	
		92433	12/3 SOW	50'	92433-3070G
	D	9253	14/3 SOW	25'	9253-3070G
	0,33	9383	12/3 SOW	25'	9383-3070G

#### **Outlet Box Features**

- GFCI duplex, NEMA 5-15
- extended depth box -4%"
- see part no. 3070-GFI on page 136 for details



#### Cable Reels with 15A Connector

WITH REEL NO.		CORD TYPE	CORD LENGTH	PART NO.
	9228	16/3 SOW	50'	9228-1547
17	9358	14/3 SOW	50'	9358-1547
	92433	12/3 SOW	50'	92433-1547
	9224	16/3 SOW	30'	9224-1547
	9253	14/3 SOW	25'	9253-1547
	9383	12/3 SOW	25'	9383-1547

- 15A Connector Features • NEMA 5-15 15A/125V 2-pole, 3-wire
- see part no. 1547 on page 53 for details

#### 20A Connector Features

- NEMA 5-20 20A/125V 2-pole, 3-wire
- see part no. 1533 on page 73 for details

#### Cable Reels with 20A Connector

WITH REEL NO.		CORD TYPE	CORD LENGTH	PART NO.
B. Carlot	92433	12/3 SOW	50'	92433-1533
SU.	9383	12/3 SOW	25'	9383-1533



## **Ball Stop Assemblies**

CABLE DIAMETER (INCHES)	PART NO.
UP TO 0.750"	9521
0.750" - 0.875"	9522
0.875" - 1.200"	9523







## • **HEAVY DUTY** Cable Reels 20-70 ft., retraction weight 4 lbs.

Weather- and dust-resistant enclosure meets NEMA 4 rating for outdoor use. Rugged Steel construction in a compact design. Quick change spring motor, long life containerized guide. Steel flange and stand, bronze ball bearings. Ratchet lock may be disengaged for constant tension, direct spring drive, maximum lifting speed of 150 f.p.m. Retraction weight: 4 lbs. 600V rated SOW cable. Collector ring rating is 35A for AWG sizes 10-16. Collector ring rating is 75A for AWG sizes 6 and 8. Guide arm can be adjusted in 5° increments. Ball stops are available on page 197.



## Heavy Duty Cable Reels

				C	ABLE LENG	TH (PART N	O. / LENGTH	)	WITHOUT	CABLE
WIRE GAUGE	COND.	AMPS1	20'	30'	40'	50'	60'	70'	PART NO.	CABLE RANGE
16 AWG	3	10A	_	_	_	_	_	92531N	10511303G0L000	up to 70'
	4	8A	_	_	_	_	_	92541N	10511304G0L000	up to 70'
	6	8A	_	_	_	_	_	92561N	10511306G0L000	up to 70'
	8	7A	_	_	_	_	_	92581N	10511308G0L000	up to 70'
	10	5A	_	_	_	92501AN	_	_	10511310G0L000	up to 50'
	12	5A	_	_	_	92511AN	_	_	10511312G0L000	up to 50'
14 AWG	3	15A	_	_	_	_	_	92532N	10511303G0L000	up to 70'
	4	12A	_	_	_	_	_	92542N	10511304G0L000	up to 70'
	6	12A	_	_	_	92562AN	_	_	10511306G0L000	up to 50'
	6	12A	_	_	_	_	_	92562BN	10512306G0L000	50-70'
	8	10A	_	_	_	_	92582N	_	10512308G0L000	up to 60'
	10	7A	_	_	_	92502N	_	_	10512310G0L000	up to 50'
	12	7A	92512AN	_	_	_	_	_	10511312G0L000	up to 30'
	12	7A	_	_	92512BN	_	_	_	10512312G0L000	30-40'
12 AWG	3	20A	_	_	_	_	_	92533N	10511303G0L000	up to 70'
	4	16A	_	_	_	_	92543N	_	10511304G0L000	up to 60'
	6	14A	_	_	_	_	92663	_	10512306G0L000	up to 60'
	8	14A	_	_	_	92583N	_	_	10512308G0L000	up to 50'
10 AWG	3	25A	_	_	_	_	_	92534N	10512303G0L000	up to 70'
	4	20A	_	_	_	92544AN	_	92544BN	10512304G0L000	up to 70'
	6	20A	_	_	_	92564N	_	_	10513306G0L000	up to 50'
	8	14A	_	92584N	_	_	_	_	10512308G0L000	up to 30'
8 AWG	2	35A	_	_	_	_	_	_	1051140200L000	up to 40'
	2	35A	_	_	_	_	_	_	1051240200L000	40-50'
	3	35A	_	92535AN	_	_	_	_	10511403G0L000	up to 30'
	3	35A	_	_	_	92535BN	_	_	10512403G0L000	30-50'
	4	28A	_	92545AN	_	_	_	_	10511404G0L000	up to 20'
	4	28A		_	_	92545AN	_	_	10513404G0L000	30-40'
6 AWG	2	45A	_	92526AN	_	_	_	_	1051240200L000	up to 40'
	2	45A	_	-	_	92526BN	_	_	1051340200L000	40-50'
	3	45A	005401	92536N	_	_	_	_	10513403G0L000	up to 30'
	4	36A	92546N	_	_	_	_	_	10513404G0L000	up to 30'

<sup>&</sup>lt;sup>1</sup>THE CORD REEL AMPERAGE RATINGS LISTED ARE DE-RATED FIGURES. THEY ARE BASED ON THE CABLE BEING SPOOLED AND RUN AT FULL LOAD. THE RATINGS SUPPLIED BY CABLE MANUFACTURERS ARE WITH THE CABLE FULLY EXTENDED IN FREE AIR. FOR MORE COMPLETE DATA OR SPECIFIC DETAILS, PLEASE REFER TO THE NATIONAL ELECTRICAL CODE.



## **HEAVY DUTY** Cable Reels 40-160 ft., retraction weight 7 lbs.

Rugged steel construction in a compact design. Weather- and dust-resistant enclosure meets NEMA 4 rating for outdoor use. Quick change spring motor, long-life containerized mainspring, declutching drive hub, lifetime lubrication. Steel flange stand, bronze ball bearings. Ratchet lock can be disengaged for constant tension. Direct drive with lifting speed of 150 f.p.m. Retraction weight: 7 lbs. 600V rated SOW cable. Collector ring rating is 35A for AWG sizes 10-16. Collector ring rating is 75A for AWG sizes 6 and 8. Ball stops are available on page 197.



## Heavy Duty Cable Reels

			C	ABLE LENGTH (PART N	WITHOU	CABLE	
WIRE GAUGE	COND.	AMPS <sup>1</sup>	40-65'	80-110'	115-160'	PART NO.	CABLE RANGE
16 AWG	3	9A	_	_	92631 / 115'	114310303G0L <sup>2</sup>	up to 115'
	4	7A	_	_	92641 / 115'	114310304G0L <sup>2</sup>	up to 115'
	6	7A	_	92661 / 100'	_	114310306G1L	up to 100'
	6	7A	_	_	92761 / 150'	116505306G1L	100-150'
	8	6A	_	92681 / 95'	_	114310308G1L	up to 95'
	8	6A	_	_	92781 / 150'	116505308G1L	95-150'
14 AWG	3	13A	_	92632 / 110'	_	114310303G1L	up to 110'
	3	13A	_	_	92732 / 160'	116505303G1L	110-160'
	4	11A	_	92642 / 110'	_	114310304G1L	up to 110'
	4	11A	_	_	92742 / 160'	116505304G1L	110-160'
	6	11A	_	_	92762 / 115'	116505306G2L	up to 115'
	8	8A	_	92782 / 90'	_	116505308G2L	up to 90'
	10	7A	92702 / 60'	_	_	116505310G3L	up to 60'
	12	6A	92712 / 60'	_	_	116505312G3L	up to 60'
12 AWG	3	18A	_	92633 / 95'	_	114310303G1L	up to 95'
	3	18A	_	_	92733 / 160'	116505303G1L	95-160'
	4	14A	_	92643 / 80'	_	114310304G2L	up to 80'
	4	14A	_	_	92743 / 140'	116505304G2L	80-140'
	6	14A	_	<b>92763</b> / 95'	_	116505306G2L	up to 95'
	8	12A	<b>92783</b> / 60'	_	_	116505308G3L	up to 60'
10 AWG	3	22A	_	_	92734 / 130'	116505303G2L	up to 130'
	4	16A	_	_	92744 / 120'	116505304G2L	up to 120'
	6	14A	_	<b>92764</b> / 85'	_	116505306G3L	up to 85'
	8	14A	<b>92784</b> / 50'	_	_	116505308G4L	up to 50'
8 AWG	2	40A	92625 / 60'	_	_	114310402J3L	up to 60'
	2	40A	_	<b>92725</b> / 95'	_	116505402J3L	60-95'
	3	35A	_	<b>92735</b> / 85'	_	116505403G4L	up to 85'
	4	32A	<b>92745</b> / 60'	_	_	116505404G5L	up to 60'
6 AWG	2	55A	<b>92726</b> / 65'	_	_	116505402J4L	up to 65'
	3	45A	<b>92736</b> / 50'	_	_	116505403G5L	up to 50'
	4	44A	<b>92746</b> / 40'	_	_	116505404G6L	up to 40'

<sup>1</sup> THE CORD REEL AMPERAGE RATINGS LISTED ARE DE-RATED FIGURES. THEY ARE BASED ON THE CABLE BEING SPOOLED AND RUN AT FULL LOAD. THE RATINGS SUPPLIED BY CABLE MANUFACTURERS ARE WITH THE CABLE FULLY EXTENDED IN FREE AIR. FOR MORE COMPLETE DATA OR SPECIFIC DETAILS, PLEASE REFER TO THE NATIONAL ELECTRICAL CODE.

NOTE: IT IS STRONGLY RECOMMENDED THAT A SECONDARY SAFETY CABLE OR CHAIN BE ATTACHED TO ALL REELS MOUNTED OVERHEAD TO PREVENT THE POSSIBILITY OF REELS ACCIDENTALLY FALLING.



<sup>&</sup>lt;sup>2</sup> CAN BE USED FOR RECOVERY APPLICATIONS.

## HAND WIND REELS

Hand wind reels are designed for heavy duty industrial storage applications. Perfect for storing extension cords, or for continuous power service. Capable of storing 200 ft. of 16/3, 125 ft. of 14/3 or 100 ft. of 12/3 SOW cord.

#### Cable Reel

Heavy duty design for storage of extension cords, power cables, rope, or hoses.

MAXIMUM SIZE	RATING WTH	PART NO.			
SOW CABLE	CABLE UNWOUND	WITHOUT CABLE	WITH 50'	WITH 100'	
16/3	10A 125V	930	930B163	930D163	
14/3	15A 125V	930	930B143	930D143	
12/3	15A 125V	930	930B123	930D123	

## Reel with Duplex Receptacle

- Features 15 amp, NEMA 5-15 duplex receptacle on reel and plug on free end of cable.
- Point of use
- Disconnecting electrical device is required to wind or unwind cable.

MAXIMUM SIZE	RATING WITH	PART NO.				
SOW CABLE	CABLE UNWOUND	WITHOUT CABLE	WITH 50'	WITH 100'		
16/3	10A 125V	931	931B163	931D163		
14/3	15A 125V	931	931B143	931D143		
12/3	15A 125V	931	931B123	931D123		



## Reel with Three Conductor Slip Ring

- Equipped with slip ring, power cable, and plug.
- Ideal for continuous service.

MAXIMUM SIZE	RATING WITH	PART NO.			
SOW CABLE	CABLE UNWOUND	WITHOUT CABLE	WITH 50'	WITH 100'	
16/3	10A 125V	932	932B163	932D163	
14/3	15A 125V	932	932B143	932D143	
12/3	15A 125V	932	932B123	932D123	

NOTE: MAXIMUM CAPACITIES FOR ALL MODELS

#16 AWG SOW, 3 CONDUCTOR (.430 IN. DIA.) – 200 FT. #14 AWG SOW, 3 CONDUCTOR (.560 IN. DIA.) – 125 FT. #12 AWG SOW, 3 CONDUCTOR (.640 IN. DIA.) – 100 FT.

## **BEST SELLER!**

#### Static Ground Reel

- · galvanized steel
- 25 ft. cable

part no. 143025 see page 216



#### Anti-Static Ground Reel

Steel construction and instant-acting lock-and-release mean durability and ease of use. Supplied galvanized steel aviation cable is 3/32" dia. Equipped with 100 amp ground clamp and rubber bumper. Cable resistance is one ohm through entire unit.



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

200 WOODHEAD CALL US TODAY! 800-225-7724

#### HAND WIND REELS

Steel rod frame and handle with wide base. Heavy gauge steel flanges. No collector rings, brushes or slip rings. Large rewinding knob. Available with or without receptacles, spring loaded flip lids, or a lead cord. Capable of storing up to 150 ft. of 12/3 or 200 ft. of 14/3 SOW cord. Disconnecting electrical device is required to wind or unwind the cable. Reels with cord have plug on free end of cable (except for 915 series).



910/911/916 SERIES CABLE REEL

## Cable Reels with Receptacles

Features four receptacles and a plug on free end of cable. Available with GFCI protection.

RECEPTACLE	RECEPTACLE		NUMBER OF	GFCI			
RATING	CONFIGURA	ATION	RECEPTACLES	PROTECTION	WITHOUT CABLE	WITH 12/3 SOW	WITH 14/3 SOW
15A 125V	NEMA 5-15	<b>11 11</b>	4	NO	910	910_1231	910_143²
15A 125V	NEMA L5-15	٥٠	4	NO	911	911_1231	911_143 <sup>2</sup>
15A 125V	NEMA 5-15	(1) (1)	4	YES	916	916_1231	916_143 <sup>2</sup>

## Cable Reels with Covered Receptacles

Features two receptacles with weather resistant, spring-loaded flip lids and a plug on free end of cable (920 series does not include receptacles).

RECEPTACLE	RECEPTACLE	NUMBER OF	GFCI			
RATING	CONFIGURATION	RECEPTACLES	PROTECTION	WITHOUT CABLE	WITH 12/3 SOW	WITH 14/3 SOW
20A 250V	NEMA L2-20 ©©	2	NO	912	912_1221	912_142 <sup>2</sup>
20A 125V/250V	NON-NEMA LOCKING 🛇 🔾	2	NO	913	913_1231	913_143 <sup>2</sup>
20A 125V	NEMA L5-20	2	NO	914	914_1231	914_143 <sup>2</sup>
_	_	NONE	NO	920	920_1231	920_143 <sup>2</sup>

## Cable Reels with Lead Cord, Plug, and Connector - No Receptacles

RECEPTACLE	RECEPTACLE	NUMBER OF	GFCI	PART NO.		
RATING	CONFIGURATION	RECEPTACLES	PROTECTION	WITHOUT CABLE	WITH 12/3 SOW	WITH 14/3 SOW
_	_	NONE	NO	915	915_1231	915_143 <sup>2</sup>

<sup>1</sup> CABLE REELS WITH 12/3 SOW ONLY AVAILABLE WITH 100 FT. AND 150 FT. OF CABLE. USE MATRIX BELOW.

Cable Length: To select the length of primary cable for the outlet box, place one of the following letters in the space.







<sup>&</sup>lt;sup>2</sup> CABLE REELS WITH 14/3 SOW AVAILABLE WITH 100 FT., 150 FT. AND 200 FT. OF CABLE. USE MATRIX BELOW.

## • FESTOONS Power Cable Carrying Systems

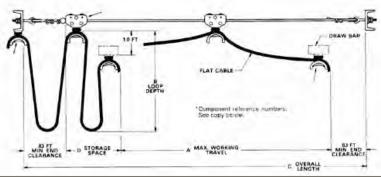
Festoon Power Cable Carrying Systems are ideal for powering horizontally moving hoists, small cranes and moving parts on machinery. Systems include end clamps, carriers, wire rope and hardware. Light and durable, each system is packaged in its own carrying/storage case.

Each system includes:

- Two clamp assemblies for end tie-off (No. 95110 for flat cable; No. 95120 for round cable).
- One hardware kit consisting of two eyebolts, five clamps and one ballstop.
- Carriers with clamp assemblies (No. 95111 for flat cable; No. 95121 for round cable).
- Required length of nylon-covered wire rope (.19 inch diameter).



## Determine Electrical Cable Length



Overall Length<sup>1</sup> = 
$$\begin{pmatrix} \text{Max. Working Travel} & + & \text{Storage Space} & + & \text{End Clearance} \\ \textbf{(A)} & \textbf{(D)} & \textbf{(E+F)} \end{pmatrix} \times 1.1 + \text{Hookup}$$
 (both ends)

## How to Order Festoon Systems

	MAX. TRAVEL DISTANCE		OVERALL SYSTEM LENGTH				
CABLE	W/ 4' LOOPS	W/ 3' LOOPS	W/ 4' LOOPS	W/ 3' LOOPS	STORAGE SPACE	NO. OF CARRIERS	PART NO.
Round	20'	15'	22.5'	17.5'	0.84'	2	95122
Round	35'	26'	38.1'	29.1'	1.40'	4	95124
Round	50'	37'	53.7'	40.7'	1.97'	6	95126
Round	65'	48'	69.2'	52.2'	2.53'	8	95128
Flat	21'	16'	23.7'	18.7'	1.05'	2	95112
Flat	36'	27'	39.4'	30.5'	1.75'	4	95114
Flat	51'	38'	55.1'	42.2'	2.45'	6	95116
Flat	66'	50'	70.8'	54.8'	3.15'	8	95118

NOTE: WEIGHT CAPACITY IS 9 LBS. PER CARRIER.



<sup>1</sup> IN FLAT CABLE SYSTEMS, LOOP CONFIGURATIONS ARE ROUNDED AND CLAMPS DIFFER IN APPEARANCE. SYSTEM DIMENSIONS AND REFERENCES ARE IDENTICAL FOR BOTH FESTOON SYSTEMS.

WOODHEAD 203

## **FESTOONS** System Components



## Flat Cable Components

DESCRIPTION	PART NO.
FLAT CABLE CARRIER/CLAMP ASSEMBLY	95111
FLAT CABLE CLAMP ONLY <sup>1</sup>	95110

1 FOR TIE-OFF CLAMPING TO FIXED POINT OR DRAW BAR

NOTE: MAXIMUM CABLE THICKNESS IS .30 IN (8 CM). WEIGHT CAPACITY IS 9 LBS PER CARRIER.



## Round Cable Components

DESCRIPTION	PART NO.
ROUND CABLE CARRIER/CLAMP ASSEMBLY <sup>2</sup>	95121
ROUND CABLE CLAMP ONLY <sup>3</sup>	95120

 $<sup>^{2}</sup>$  TO PROVIDE A MULTIPLE CARRIER FOR ROUND CABLE, ADD A SECOND CLAMP (95120) TO THE UNIT.





MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

www.woodhead.com

<sup>&</sup>lt;sup>3</sup> FOR TIE-OFF OR DOUBLE TIER ARRANGEMENTS

NOTE: CABLE RANGE FOR ROUND CABLE IS .49 IN (1.2 CM) TO .91 IN. (2.3 CM). WEIGHT CAPACITY IS 9 LBS. PER CARRIER.

#### **TECHNICAL REFERENCE**

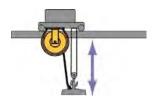
Watertite® is are gistered trademark of Woodhead Industries, Inc. Woodhead Industrial Cable reels are designed for top performance, long life, and easy maintenance. Series 9200, 9300, and 92400 are perfect for mobile electrical equipment, portable lighting, or hand-held power tools, and can handle cord lengths up to 50ft. For longer cord lengths and heavier gauge cord, our 92500, 92600, and 92700 cord reels are available and are ideal for hoists, large electric tools, and moving equipment. All of our industrial reels are suitable for vertical lift, vertical recovery applications. We also have reels which have the correct spring tension for horizontal stretch and recovery applications. Where minimum cable sag is not critical, our industrial cord reels can be used for stretch service where an expected cable sag at mid-point of 10% is allowable.

## **Applications**

Cord reel applications include vertical lift, drag, horizontal stretch, recovery, and vertical recovery. Different applications require different variations in spring tension for optimal performance. Definition of cord reel applications are:

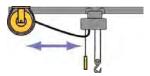
#### Vertical Lift

Reel is mounted overhead. Cable pays out downward and is retracted up via spring power. Reel must have enough tension to lift the total weight of the cable and any additional weight attached to it, e.g., pendant station, cable overhang.



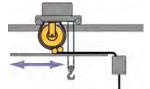
#### Horizontal Stretch

Cable is suspended in the air, supported at both ends. The tension must accommodate about twice the total weight of the cable to maintain an acceptable 6% sag.



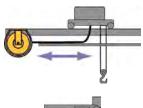
#### Recovery

Mounted on a moving carrier, reel picks up cable from stationary base. The closer the reel is to the recovery surface, the less tension is required.



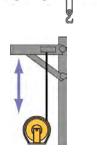
#### Drag

The reel is mounted in a permanent location. Cable is dragged over surface to and from fixed mounted reel. The tension required is about the same as the lift application.



## Vertical Recovery

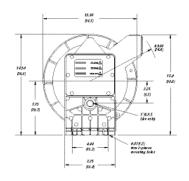
Base mounted reel pays out cable upward. The reel is required only to recover the cable on the spool, as the cable moves downward. Minimal tension is needed to recover cable into the reel.

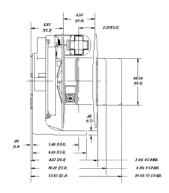


## TECHNICAL REFERENCE

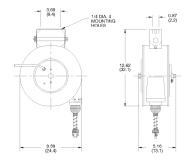
#### **Reel Dimensions**

STANDARD DUTY CORD REEL 980/990/997 WITH OPTIONAL SWING MOUNT

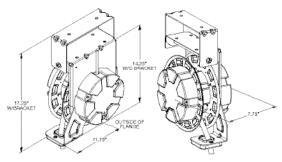




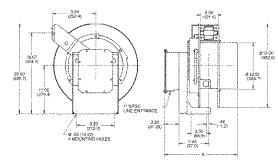
#### STANDARD DUTY CORD REEL 945-3



#### INDUSTRIAL DUTY CABLE REEL



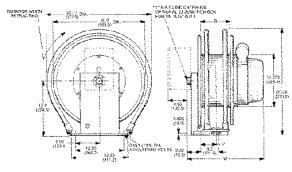
#### HEAVY DUTY CABLE REEL 20 - 70 FT.



#### 1000 Series Reel

REEL WITHOUT	DIMEN	DIMENSION A	
CABLE NUMBER	IN.	MM	(LBS.)
1051-xx-303	16.67	423	81
1051-xx-304	16.67	423	81
1051-xx-306	16.67	423	82
1051-xx-308	18.84	479	82
1051-xx-310	18.84	479	83
1051-xx-312	18.84	479	83
1051-xx-402	16.67	423	81
1051-xx-403	16.67	423	81
1051-xx-404	18.84	479	82

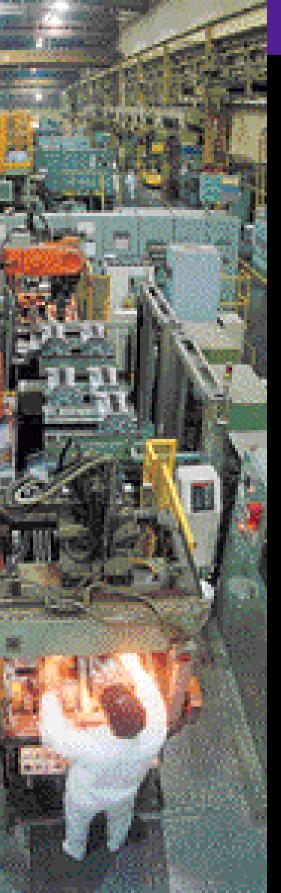
#### HEAVY DUTY CABLE REEL 40-160 FT.



## 1100 Series Reel

1100 001100 11001				
REEL WITHOUT	DIMEN	DIMENSION W		
CABLE NUMBER	IN.	MM	(LBS.)	
1143-xx-303	16.38	416.1	138	
1143-xx-304	16.38	416.1	138	
1143-xx-306	18.38	466.9	139	
1143-xx-308	18.38	466.9	140	
1143-xx-402	18.38	466.9	139	
1165-xx-303	20.75	527.1	188	
1165-xx-304	20.75	527.1	188	
1165-xx-306	22.75	577.9	189	
1165-xx-308	22.75	577.9	190	
1165-xx-310	24.75	628.9	191	
1165-xx-312	24.75	628.9	192	
1165-xx-402	22.75	577.9	189	
1165-xx-403	22.75	577.9	189	
1165-xx-404	22.75	577.9	190	





## PUSHBUTTON/TEST INSTRUMENTS

Long standing users of electrical products know the name to count on for dependable and durable electrical specialty products — Woodhead. Overhead, underfoot, in hand, everywhere from construction sites, to convention centers, our pushbuttons and test instruments are built for years of safe, reliable service.

#### **Pushbutton Pendant Stations**

Pushbutton Pendants available from Woodhead include ergonomically-designed pendants, industrial-grade pendants and industrial-grade enclosures. Ergonomic versions feature a compact nylon construction. Industrial grade versions have a durable, NEōTEX® rubber construction for added durability. As an additional safety feature, all switches are shrouded or recessed to protect workers against accidental activation.

#### **Test Instruments**

From basic verification of proper wiring, to multi-function testing, Woodhead offers a range of easy to use test instruments. All are designed in the Woodhead tradition for long, reliable service.

#### **PUSHBUTTON/TEST INSTRUMENTS**

#### **SUPER-SAFEWAY®** Pushbutton Pendant Stations

Super-Safeway pushbutton pendant stations feature NEōTEX® rubber construction with a tongue and groove coverplate which protects buttons from industrial elements with a molded rubber shroud. They support a number of applications with momentary switches for either single speed or two speed needs, normally open or normally closed while maintained switches can be purchased as an accessory or replacement part. Single speed uses are extended with the emergency stop option, and the switches can be wired as an electrical interlock. All Super-Safeway pushbutton pendants include a legend plate package, compression type cord grips, wire retainer at the screw terminals, and metal bracket for messenger cord. Wire mesh grips for added strain relief are ordered separately.

#### **Switch Ratings**

#### Single speed 20A @ 125 TO 250VAC 25A @ 24VDC 0.5A @ 250VDC 1 HP @ 125VAC 2 HP @ 250VAC

#### Two speed

10A @ 125 OR 250VAC 1/3 HP @ 125V 1/2 HP @ 250V

#### Maintain

16A @ 125VAC 8A @ 250VAC 1 HP @ 125 OR 250VAC

#### **BEST SELLERS!**

#### 4-Button Station

• 0.500-0.750" cord diameter range

· single speed

part no. 4024



#### 6-Button Station

· with e-stop

part no. 4026ES

#### Pushbutton Pendant Stations

	NUMBER OF			C	ORD GRIP	CORD DIA.
PART NO.	BUTTONS	SPEED	E-STOP	SIZE	NUT	RANGE
4022	2	SINGLE		F3	NON-METALLIC	0.500-0.687"
4022-2	2	TW0		F3	NON-METALLIC	0.500-0.687"
4022ES	2	SINGLE	•	F3	NON-METALLIC	0.500-0.687"
4023	3	SINGLE		F3	NON-METALLIC	0.500-0.750"
4023-2	3	TW0		F3	NON-METALLIC	0.500-0.750"
4023ES	3	SINGLE	•	F3	NON-METALLIC	0.500-0.750"
4024	4	SINGLE		F3	NON-METALLIC	0.500-0.750"
4024-2	4	TW0		F3	NON-METALLIC	0.500-0.750"
4024ES	4	SINGLE	•	F3	NON-METALLIC	0.500-0.750"
4026	6	SINGLE		F3	NON-METALLIC	0.562-0.812"
4026-2	6	TW0		F3	NON-METALLIC	0.562-0.812"
4026ES	6	SINGLE	•	F4	METAL	0.687-0.937"
4028	8	SINGLE		F4	METAL	0.687-0.937"
4028-2	8	TW0		F4	METAL	0.687-0.937"
4028ES	8	SINGLE	•	F3	NON-METALLIC	0.562-0.812"





#### **SUPER-SAFEWAY®** Pushbutton Pendant Stations Accessories

A full range of accessories are available for pushbutton pendant stations. Wire mesh grip kits are ideal for providing the strain-relief needed to protect cords from the stress exerted on conductors entering the pushbutton enclosure. Replacement gaskets help maintain the wet location seal between the coverplate and the enclosure, while a full array of switches provide the flexibility required for various pendant station applications.

## Wire Mesh Grip Kits for Pendant Stations

PART NO.	NUT	MESH	SIZE	CORD DIA. RANGE
5633M	PLASTIC	STAINLESS STEEL	F3	0.437-0.500"
5633NM	PLASTIC	NON-METALLIC	F3	0.437-0.500"
5634M	PLASTIC	STAINLESS STEEL	F3	0.500-0.625"
5634NM	PLASTIC	NON-METALLIC	F3	0.500-0.625"
5635M	PLASTIC	STAINLESS STEEL	F3	0.562-0.687"
5635NM	PLASTIC	NON-METALLIC	F3	0.562-0.687"
5636M	PLASTIC	STAINLESS STEEL	F4	0.562-0.687"
5636NM	PLASTIC	NON-METALLIC	F4	0.562-0.687"
5637M	PLASTIC	STAINLESS STEEL	F4	0.625-0.750"
5637NM	PLASTIC	NON-METALLIC	F4	0.625-0.750"
5638M	PLASTIC	STAINLESS STEEL	F4	0.750-0.875"
5638NM	PLASTIC	NON-METALLIC	F4	0.750-0.875"
5639M	PLASTIC	STAINLESS STEEL	F4	0.875-1.000"
5639NM	PLASTIC	NON-METALLIC	F4	0.875-1.000"
42-2040	ALUMINUM	STAINLESS STEEL	F3	0.500-0.625"
42-2060	ALUMINUM	STAINLESS STEEL	F3	0.625-0.750"
42-2080	ALUMINUM	STAINLESS STEEL	F4	0.500-0.625"
42-2090	ALUMINUM	STAINLESS STEEL	F4	0.625-0.750"
42-2110	ALUMINUM	STAINLESS STEEL	F4	0.750-0.875"
42-2130	ALUMINUM	STAINLESS STEEL	F4	0.875-1.000"

## Replacement Gaskets Kits

PART NO.	DESCRIPTION
4022G	2 BUTTON PUSHBUTTON STATION (4022)
4023G	3 BUTTON PUSHBUTTON STATION (4023)
4024G	4 BUTTON PUSHBUTTON STATION (4024)
4026G	6 BUTTON PUSHBUTTON STATION (4026)
4028G	8 BUTTON PUSHBUTTON STATION (4028)

## Replacement Parts

PART NO.	DESCRIPTION
71-4220	LEGEND KIT
4020	SWITCH – ONE SPEED, MOMENTARY SWITCH
4020-2	SWITCH – TWO SPEED, MOMENTARY SWITCH
37-0901	MAINTAINED SWITCH WITH BRACKET
37-0360	MAINTAINED PUSH/PULL NO/NC E-STOP
37-0361	MAINTAINED PUSH/PULL (2) NC E-STOP
37-0362	MAINTAINED TOGGLE NO/NC E-STOP
37-0363	MOMENT PUSH/PULL NC E-STOP
37-0364	MAINTAINED SELECTOR (2) POSITION
37-0365	MOMENT PUSH/PULL MAINTAINED PUSH/PULL (2)
37-0366	MAINTAINED KEY OPERATED (2) POSITION
37-0367	MAINTAINED TOGGLE
37-0368	MAINTAINED TOGGLE (3) POSITION

## **BEST SELLERS!**

## Stainless Steel Mesh Grip Kit





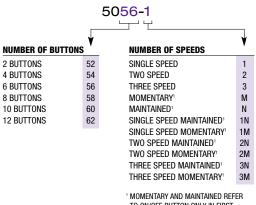


#### PUSHBUTTON/TEST INSTRUMENTS

#### **WATERTITE®** Pendant Stations

Watertite® pendant stations are rugged enough to withstand the most hostile industrial environments, yet ergonomically designed to fit an operator's hand. Unlimited combinations allow the customization of your own 2-, 4-, 6-, 8-, 10-, and 12-button pendant stations. Choose from single to three-speed switches, E-stop switches, key switches, and indicator lights. The lightweight housing is impact resistant and rated to NEMA 4X.

Build your part number: Use the following chart to specify your pendant station's specifications. All pendant stations use F3 size cord grips for cords ranging 0.375-0.812" in diameter.



TO ON/OFF BUTTON ONLY IN FIRST AND SECOND POSITION.



## Accessory/Replacement Parts

recesser ym replacement i arte			
PART NO.	TYPE	DESCRIPTION	
505SS-2	OPTIONAL SWITCHES	2-POSITION SELECTOR	
505SS-3NC	OPTIONAL SWITCHES	3-POSITION SELECTOR, NC IN CENTER	
505SS-3NO	OPTIONAL SWITCHES	3-POSITION SELECTOR, NO IN CENTER	
505SK-2	OPTIONAL SWITCHES	KEY SWITCH, 2-POSITION ON/OFF	
505SK-3	OPTIONAL SWITCHES	3-POSITION SELECTOR KEY	
505B-RM	OPTIONAL SWITCHES	RED E-STOP	
505PL-RS	PILOT LIGHT	RED, SHROUD MOUNT	
505PL-GS	PILOT LIGHT	GREEN, SHROUD MOUNT	
505PL-WS	PILOT LIGHT	WHITE, SHROUD MOUNT	
505PL-YS	PILOT LIGHT	YELLOW, SHROUD MOUNT	
505SW-1	TWO BUTTON SWITCH	SINGLE SPEED	
505SW-1NONC	TWO BUTTON SWITCH	SINGLE SPEED NO/NC	
505SW-12N0	TWO BUTTON SWITCH	SINGLE SPEED 2NO	
505SW-2	TWO BUTTON SWITCH	TWO SPEED	
505SW-3	TWO BUTTON SWITCH	THREE SPEED	
505SW-M	TWO BUTTON SWITCH	MOMENTARY ON/OFF	
505SW-N	TWO BUTTON SWITCH	MAINTAINED ON/OFF	

PART NO.	TYPE	DESCRIPTION
505E-2	ENCLOSURE <sup>1</sup>	2-BUTTON
505E-4	ENCLOSURE <sup>1</sup>	4-BUTTON
505E-6	ENCLOSURE <sup>1</sup>	6-BUTTON
505E-8	ENCLOSURE <sup>1</sup>	8-BUTTON
505E-10	ENCLOSURE <sup>1</sup>	10-BUTTON
505E-12	ENCLOSURE <sup>1</sup>	12-BUTTON
505E-TS	ENCLOSURE <sup>1</sup>	F2 0.375-0.812" CORD DIA.
505E-TL	ENCLOSURE <sup>1</sup>	F3 0.812-1.00" CORD DIA.
505BC-C	BUTTON COVER BLACK	HIGH AMBIENT, CHEM. RESISTANT
505BC-L	ACCESSORIES	LEGEND SHEET
505BC-LNS	ACCESSORIES	LENS
505M-TAG	ACCESSORIES	PENDANT WIRING TAG
08336	ACCESSORIES	CORD GRIP KIT
5628M	ACCESSORIES	CORD GRIP WIRE MESH 0.375-0.437" F3
5633M	ACCESSORIES	CORD GRIP WIRE MESH 0.437-0.562" F3
5635M	ACCESSORIES	CORD GRIP WIRE MESH 0.56-0.687" F3
5645M	ACCESSORIES	CORD GRIP WIRE MESH 0.687-0.812" F3

<sup>1</sup> REPLACEMENT ENCLOSURES INCLUDE SHELL ASSEMBLY, BUTTON HOODS, LEGENDS AND HARDWARE

505SW-NNONC TWO BUTTON SWITCH MAINTAINED ON/OFF NO/NC



## **WATERTITE®** Pushbutton Control for AC and DC Motors •

Watertite® Pushbutton Control for AC and DC Motors are CSA certified and meet NEMA 1, 2, 3, 3R, 4, 4X, 6, 12, and 13, militaryspecifications and OSHA requirements. It features a nylon MAX-LOC® (F2-1/2 in. NPT) cord grip with four grommets to accommodate cord sizes from .312-.625 O.D. The switches are a single speed, double throw, momentary contact type and can be wired normally-open or normally-closed. It also features a nylon enclosure and coverplate with rubber pushbutton diaphragm that provides water tight integrity. The 4052 PC consists of a 4052 pendant station with a 24VDC indicating light in the bottom position, five feet of #16/5 cord, and a Brad Harrison® 5 pole Mini-Change® connector. The parts call system provides a quick and effective means of communication for assembly-line manufacturing. Consult factory for more details or variations.

#### **Switch Characteristics**

Contact Arrangement: Single speed SPDT-DB		
Continuous  10A @ 125 TO 250VAC  1/2 HP @ 125VAC  3/4 HP @ 250VAC  1 HP @ 125VAC OR 250VAC  7A 28VDC IND.  10A 28VDC RES.	Control 120VAC 60A MAKE 6A BREAK 240VAC 30A MAKE 3A BREAK A-300 CONTACT RATING PER U.L. STD. 508	



• single speed

part no. 4052



#### **Pushbutton Pendant Controls**

PART NO.	DESCRIPTION	CORD DIAMETER RANGE
4052	2-BUTTON SINGLE SPEED	0.312-0.625"
4052PC	PARTS CALL SYSTEM PENDANT	0.250-0.625"

#### Wire Mesh Grip Kit For Pendant Station, Plastic Nut

PART NO.	NUT	MESH	SIZE	CORD DIA. RANGE
5630M	PLASTIC	STAINLESS STEEL	F2	0.312-0.375"
5630NM	PLASTIC	NON-METALLIC	F2	0.312-0.375"
5631M	PLASTIC	STAINLESS STEEL	F2	0.375-0.437"
5631NM	PLASTIC	NON-METALLIC	F2	0.375-0.437"
5632M	PLASTIC	STAINLESS STEEL	F2	0.437-0.500"
5632NM	PLASTIC	NON-METALLIC	F2	0.437-0.500"

#### Replacement Parts

PART NO.	DESCRIPTION
42-2190	REPLACEMENT SWITCH - ONE SPEED, MOMENTARY SWITCH
00-5150	RUBBER SWITCH DIAPHRAGM
31-5800	LEGEND KIT – LABELS: FUNCTION, PUSHBUTTON STATION
105002A01F060	6' OF #16/5 CORD AND BRAD HARRISON 5 POLE MINI-CHANGE® CONNECTOR



Pushbutton Pendant Control

• parts call system pendant

part no. 4052pc





MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER. SEE PAGES 262-269.

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## PUSHBUTTON/TEST INSTRUMENTS

#### SUPER-SAFEWAY® Weather-Resistant Pushbutton Covers for F.S./F.D. Boxes

Woodhead's weather-resistant pushbutton covers transform your F.S./F.D. box into a pendant station. Constructed of NEōTEX® rubber, the cover includes integral pushbuttons that can be wired normally-open or normally closed. Flat green and rounded red button inserts aid in proper operation. Switches are single or two speed momentary contact type and the single speed switches can be wired with electrical interlock.

#### **BEST SELLERS!**



#### Weather-Resistant Pushbutton Covers

PART NO.	SPEEDS
4032	SINGLE SPEED
4032-2	TWO SPEED

#### Replacement Parts

PART NO.	SPEEDS	DESCRIPTION
4020	ONE SPEED	MOMENTARY SWITCH
4020-2	TWO SPEED	MOMENTARY SWITCH

#### Swinger Switches<sup>1</sup>

PART NO.	DESCRIPTION
55501	SWINGER 2P SWITCH SPST NO
55503	SWINGER 3P SWITCH SPDT NO/NC
55504	SWINGER 3P SWITCH SPST NO

<sup>&</sup>lt;sup>1</sup> SEE PAGE 222 FOR MATING CONNECTORS.





## **SUPER-SAFEWAY®** Pendant Pushbutton Enclosures •

Features NEōTEX® rubber construction, strain-relief sealing grip, metal suspension bracket for messenger cord, and internal ground strip. Accepts all standard 30mm or 22mm oil-tight pushbuttons, indicator lights, and selector switches. Switches not included. Wire mesh grip ordered separately.

## **Pushbutton Pendants**

	NO. OF	OPENING	CORD GRIP		CORD DIA.
PART NO.	BUTTONS	SIZE	SIZE	NUT	RANGE
4002	2	30mm	F3	PLASTIC	0.375-0.625"
4003	3	30mm	F4	METAL	0.500-0.875"
4004	4	30mm	F4	METAL	0.500-0.875"
4005	5	30mm	F4	METAL	0.625-1.000"
4006	6	30mm	F4	METAL	0.625-1.000"
4007	7	30mm	F4	METAL	0.625-1.000"
4008	8	30mm	F4	METAL	0.625-1.000"
4009	9	30mm	F4	METAL	0.625-1.000"
4010	10	30mm	F4	METAL	0.625-1.000"
4011	11	30mm	F4	METAL	0.625-1.000"
4012	12	30mm	F4	METAL	0.625-1.000"
4202	2	22mm	F3	PLASTIC	0.375-0.625"
4203	3	22mm	F4	METAL	0.500-0.875"
4204	4	22mm	F4	METAL	0.500-0.875"
4205	5	22mm	F4	METAL	0.625-1.000"
4206	6	22mm	F4	METAL	0.625-1.000"
4207	7	22mm	F4	METAL	0.625-1.000"
4208	8	22mm	F4	METAL	0.625-1.000"
4209	9	22mm	F4	METAL	0.625-1.000"
4212	12	22mm	F4	METAL	0.625-1.000"



## Replacement Part

PART NO.	DESCRIPTION		
71-4220	LEGEND KIT		

## Wire Mesh Grip Kits for Pendant Stations

A full range of accessories are available for pushbutton pendant stations. Wire mesh grip kits are ideal for providing the additional strain-relief needed to protect cords from the stress exerted on conductors entering the pushbutton enclosure.

PART NO.	NUT	MESH	SIZE	CORD DIA. RANGE
5633M	PLASTIC	STAINLESS STEEL	F3	0.437-0.500"
5633NM	PLASTIC	NON-METALLIC	F3	0.437-0.500"
5634M	PLASTIC	STAINLESS STEEL	F3	0.500-0.625"
5634NM	PLASTIC	NON-METALLIC	F3	0.500-0.625"
5635M	PLASTIC	STAINLESS STEEL	F3	0.562-0.687"
5635NM	PLASTIC	NON-METALLIC	F3	0.562-0.687"
5636M	PLASTIC	STAINLESS STEEL	F4	0.562-0.687"
5636NM	PLASTIC	NON-METALLIC	F4	0.562-0.687"
5637M	PLASTIC	STAINLESS STEEL	F4	0.625-0.750"
5637NM	PLASTIC	NON-METALLIC	F4	0.625-0.750"
5638M	PLASTIC	STAINLESS STEEL	F4	0.750-0.875"
5638NM	PLASTIC	NON-METALLIC	F4	0.750-0.875"
5639M	PLASTIC	STAINLESS STEEL	F4	0.875-1.000"
5639NM	PLASTIC	NON-METALLIC	F4	0.875-1.000"
42-2040	ALUMINUM	STAINLESS STEEL	F3	0.500-0.625"
42-2060	ALUMINUM	STAINLESS STEEL	F3	0.625-0.750"
42-2080	ALUMINUM	STAINLESS STEEL	F4	0.500-0.625"
42-2090	ALUMINUM	STAINLESS STEEL	F4	0.625-0.750"
42-2110	ALUMINUM	STAINLESS STEEL	F4	0.750-0.875"
42-2130	ALUMINUM	STAINLESS STEEL	F4	0.875-1.000"

## **BEST SELLERS!**





MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER. SEE PAGES 262-269.

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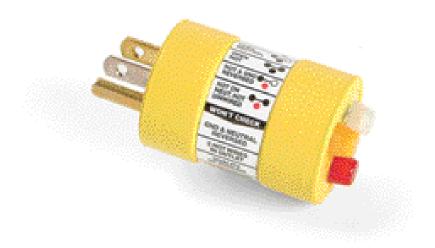
## → PUSHBUTTON/TEST INSTRUMENTS

#### SUPER-SAFEWAY® Test Instruments

## Receptacle Circuit Tester

U.L. listed. Compact tester has three neon indicating lights which provide a convenient way to test 3 wire, 115VAC, single phase, polarized outlets. Checks for correct wiring, reversed polarity, open ground, open neutral, open hot, hot and ground reversed and hot on neutral/hot unwired.

part no. 1750



# Combination Receptacle Circuit Tester and GFCI Tester

U.L. listed. Combination, compact tester has three neon indicating lights that provide a convenient way to test 3 wire, 115VAC, single phase, polarized outlets. Checks for proper GFCI operation, correct wiring, reversed polarity, open ground, open neutral, open hot, hot and ground reversed and hot on neutral/hot unwired.

part no. 1751



# Circuit Tester and Tool Ground Continuity Tester

Tester checks receptacle circuits and determines grounding conductor continuity between the noncurrent carrying metal parts of a tool and the grounding blade of its power cord. For use with 3 wire, 115VAC, single phase, polarized receptacles.

part no. 1756





#### **SUPER-SAFEWAY®** Test Instruments •

## Receptacle Tension Tester

P rovides a simple way to check the spring contact tension of a standard straight blade receptacle. Designed to test outlets with the following ratings: 15A, 125V, 2 pole, 2 wire; 15A, 125V, 2 pole, 3 wire; 20A, 125V, 2 pole, 3 wire. Completely insulated in an impact-resistant plastic housing and is safe to use on energized receptacles. Each blade has an independent spring to relieve stress and assure consistent readings over a long life. When tension falls below 10 ounces, that tells you to monitor the receptacle closely for further deterioration. Tension of 4 ounces is the lowest point which a receptacle should be allowed to remain in service. NFPA Standard99-1996, Ref. 3-3.3.3(d).

part no. 1760





#### Combo-Kit

1760 Tension Tester and 1750 Circuit Tester in Carrying Case part no. 1770





MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

# → PUSHBUTTON/TEST INSTRUMENTS

#### ANTI-STATIC GROUNDING REEL

Steel construction and instant-acting lock-and-release mean durability and ease of use. Supplied galvanized steel aviation cord is 3/32" dia. Equipped with 100 amp ground clamp and rubber bumper. Cord resistance is one ohm through entire unit.



# Anti-Static Grounding Reel

PART NO.	CORD TYPE	CORD LENGTH
143025	GALVANIZED STEEL	25'
143025NC	NYLON COATED STEEL	25'
143050	GALVANIZED STEEL	50'
143050NC	NYLON COATED STEEL	50'
143050SS	STAINLESS STEEL	50'
143051	GALVANIZED STEEL W/ Y-SPLICE	50'

#### ANTI-STATIC BONDING AND GROUNDING SETS •

Woodhead bonding sets provide a fast means of bonding and grounding hazardous liquid containers. Available with a variety of attachments, they are engineered to meet the requirements of almost any application. Constructed of No. 8 flexible conductors and corrosion-resistant connections, Woodhead bonding sets are offered in 3 ft. or 6 ft. lengths.

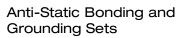
#### **BEST SELLER!**

6' Bond Assembly with Two J-Clamps

• 6' of No. 8 flexible conductors

• both ends I-clamps

part no. 142006



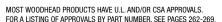
PART NO.	LENGTH	FIRST END	SECOND END
140003	3'	TERMINAL	TERMINAL
140006	6'	TERMINAL	TERMINAL
141003	3'	J-CLAMP	TERMINAL
141006	6'	J-CLAMP	TERMINAL
141103	3'	J-CLAMP	PIPE CLAMP
141106	6'	J-CLAMP	PIPE CLAMP
141203	3'	J-CLAMP	BEAM CLAMP
141206	6'	J-CLAMP	BEAM CLAMP
141303	3'	J-CLAMP	BATTERY CLIP
141306	6'	J-CLAMP	BATTERY CLIP
142003	3'	J-CLAMP	J-CLAMP
142006	6'	J-CLAMP	J-CLAMP

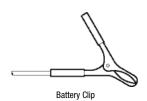
#### Accessories

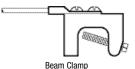
PART NO.	DESCRIPTION
30-0310	PIPE CLAMP END
30-0321	BEAM CLAMP END WITH 10-32 HOLES
36-0660	Barrel Clamp end – J-Clamp end
36-0670	BATTERY CLIP END – 75 AMP
36-0690	COMPRESSION CONNECTOR (#8-#6) — TERMINAL END

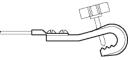












J-Clamp



Pipe Clamp



Terminal

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#### → PUSHBUTTON/TEST INSTRUMENTS

# TECHNICAL REFERENCE Assembly Instructions

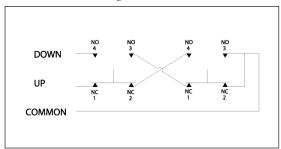
# Single Speed Interlock Applications

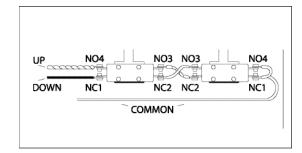
When a set of two pushbuttons is used to control complementary functions such as Up-Down, Open-Close, Left-Right, etc., the two buttons should be wired as shown in the diagram below to provide an electrical interlock. This electrical interlock method of wiring provides two primary benefits:

- 1. It prevents the simultaneous operation of both functions, thus protecting equipment from damage.
- 2. If a pushbutton switch should fail, depressing the complementary button opens the control circuit, thus providing an emergency stop.

The switches supplied with this station are rated at currents substantially higher than those normally encountered in control applications. It should be noted, however, that electrical failures in associated equipment can cause currents to flow which far exceed even these high ratings.

Circuit schematic for 2 single switches wired for interlock:





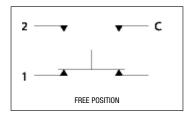
NOTE: NO - NORMALLY-OPEN: NC - NORMALLY-CLOSED.

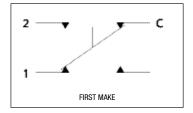
# **Two-Speed Contact Ratings**

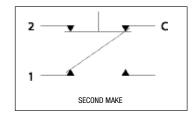
VOLTS	AC CURRENT	HORSEPOWER
125VAC	10	1/3 HP
250VAC	10	1/2 HP

NOTE: SWITCHES ARE U.L. LISTED.

#### Circuit Schematic:







CALL US TODAY! 800-225-7724

# **TECHNICAL REFERENCE** •

# Legend for 4020 and 4052 Series Pushbutton Stations

BRIDGE	LEFT	RIGHT
CRANE	LOW	RAISE
CLOSE	MAGNET	SOUTH
DOWN	NORTH	STOP
DOOR	NO. 1	START
EAST	NO. 2	SLOW
FWD	NO. 3	TROLLEY
FAST	ON	UP
HIGH	OPEN	WEST
HOIST	OFF	BLANK(2)
IN	OUT	
LOWER	REV	

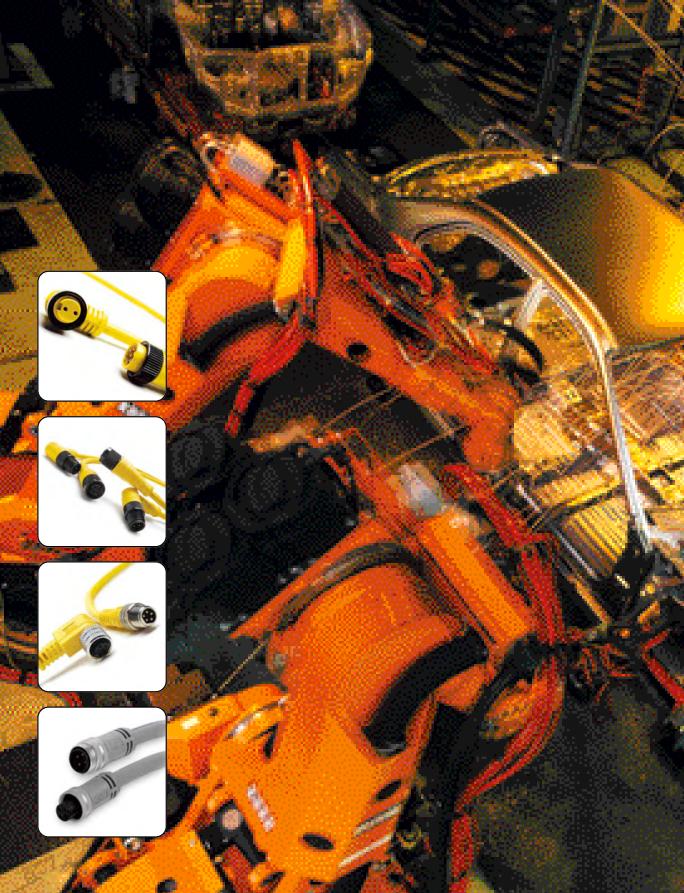
SERIES	PART NO.
4020	71-4220
4052	31-5800

# Legend for 4020 and 4052 Series Pushbutton Stations

OFF	ON
UP	DOWN
LEFT	RIGHT
FWD	REV
NORTH	SOUTH
EAST	WEST
OPEN	CLOSE
IN	OUT
RAISE	LOWER
START	STOP

SERIES	PART NO.
5050	505BC-L

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For over 35 years, Brad Harrison products have been the standard for innovation and superior engineering in quick disconnect systems. What began as a safe, fast and efficient alternative to hard wiring has expanded into industry's broadest line of quick-disconnect solutions, designed to reduce time, expense and maintenance on the job.

The diverse Brad Harrison family ranges from time-saving Multi-Port Interconnection Systems that help consolidate control system wiring, to Mini-Change® and Micro-Change® industrial connectors, capable of meeting industry's highest standards for signal integrity.

Around the globe, across industries, in the toughest industrial settings imaginable, top-performing Brad Harrison quick-disconnect systems consistently earn their reputation of quality, durability and superior performance.

# **Mini-Change Connectors**

The ultimate in simplified wiring and maintenance. Used in conjunction with 18mm and 30mm tubular proximity sensors, limit switches, rectangular proximity sensors, and solenoids.

# **Micro-Change Connectors**

Specially engineered to withstand harsh industrial environments, Micro-Change connectors are the answer to today's demanding automation requirements. Used in conjunction with 12mm and 18mm tubular photoelectric sensors, and modular controls.

# Nano-Change® Connectors

Small and mighty, Nano-Change connectors facilitate fast, simple and error-free maintenance in all types of industrial settings. Used in conjunction with miniature (8mm or smaller) proximity sensors, photoelectric sensors, and other control components.

# **Brad® Power Connection Systems**

Modular, flexible, scalable and code-compliant quick-connect wiring solutions that offer lower installed cost and faster commissioning of industrial machinery. Flexibility and low cost is achieved by eliminating the need for conduit to run power to industrial machinery. Using Brad Power products allow a trunk/feeder line to be installed along the machine's structure with convenient access points for power to be dropped to field devices such as motors, lights, heaters and other electrical devices. Brad Power systems offer quick and easy installations without the tools, threading, pipe bending and wire pulling involved in installing conduit.

#### MINI-CHANGE® CORDSETS/ RECEPTACLES

- $\bullet$  #16 AWG yellow STOOW cable U.S. color code
- Oil-resistant PVC jacket
- Low-resistance contact design with gold over palladium nickel plating.



# Single and Double-Ended Cordsets

9					
	2P	3P	4P	5P	6P
FEMALE FACE VIEW	1	3 - 2	41	5 1	5 1
COLOR CODES	1 – WHITE 2 – BLACK	1 – GREEN (GRND) 2 – BLACK 3 – WHITE	1 – BLACK 2 – RED 3 – WHITE 4 – GREEN (GRND)	1 – WHITE 2 – RED 3 – GREEN (GRND) 4 – ORANGE 5 – BLACK	1 – WHITE 2 – RED 3 – GREEN (GRND) 4 – ORANGE 5 – BLACK 6 – BLUE
VOLTAGE	600VAC/DC	600VAC/DC	600VAC/DC	600VAC/DC	600VAC/DC
CURRENT	13A	13A	10A	8A	8A
CONDUCTOR	#16/2	#16/3	#16/4	#16/5	#16/6

# Female Single-Ended Cordsets with 3' #16 AWG ST00W cable

CONFIGURATION	2P	3P	4P	5P	6P
STRAIGHT (FIG. 1)	102000A01F030	103000A01F030	104000A01F030	105000A01F030	106000A01F030
90° (FIG. 2)	102001A01F030	103001A01F030	104001A01F030	105001A01F030	106001A01F030
MATING MALE RECEPTACLE (FIG. 5)	1R2006A20A120	1R3006A20A120	1R4006A20A120	1R5006A20A120	1R6006A20A130

# Male Single-Ended Cordsets with 3' #16 AWG ST00W cable

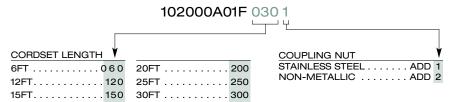
CONFIGURATION	2P	3P	4P	5P	6P
STRAIGHT (FIG. 3)	102002A01F030	103002A01F030	104002A01F030	105002A01F030	106002A01F030
90° (FIG. 4)	102003A01F030	103003A01F030	104003A01F030	105003A01F030	106003A01F030
MATING FEMALE RECEPTACLE (FIG. 5)	1R2004A20A120	1R3004A20A120	1R4004A20A120	1R5004A20A120	1R6004A20A130

#### Female/Male Double-Ended Cordsets with 3' #16 AWG ST00W cable

CONFIGURATION	2P	3P	4P	5P	6P
STRAIGHT/STRAIGHT (FIG. 1/3)	112020A01F030	113020A01F030	114020A01F030	115020A01F030	116020A01F030
90°/STRAIGHT (FIG. 2/3)	112021A01F030	113021A01F030	114021A01F030	115021A01F030	116021A01F030
STRAIGHT/90° (FIG. 1/4)	112022A01F030	113022A01F030	114022A01F030	115022A01F030	116022A01F030
90°/90° (FIG. 2/4)	112023A01F030	113023A01F030	114023A01F030	115023A01F030	116023A01F030

NOTE: FOR MATING TWO CORDSETS, USE THREADED UNION #55-0426

# **Options:** Use the following chart to modify your part's specifications.



(H) (SP

MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

#### MECHANICAL

COUPLING NUT:

CONNECTOR FACE: PVC - UL STD 94 - VO MOLDED BODY: PVC - UL STD 94 - VO ZINC DIECAST W/ BLACK EPOXY

E-COAT, OPTIONAL STAINLESS STEEL TYPE 303 OR NON-METALLIC GRAY

NYLON 6/6

CABLE: YELLOW, #16 AWG, PVC JACKET, PVC CONDUCTOR INSULATION OVER 65 X #34 COPPER STRANDING, UL

STOOW CSA ST

CABLE DIAMETER: 2P - 0.37" (9.4mm) 3P - 0.41" (10.4mm) 4P - 0.42" (10.7mm) 5P - 0.50" (12.7mm) 6P - 0.54" (13.7mm)

**ELECTRICAL** 

VOLTAGE RATING: AMPERAGE:

600VAC/DC 2P - 13A

3P - 13A 4P - 10A 5P - 8A

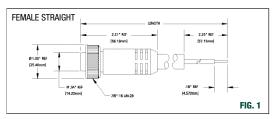
6P - 8A

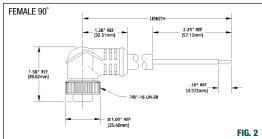
ENVIRONMENTAL

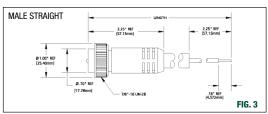
PROTECTION: IP 68 NEMA 6P

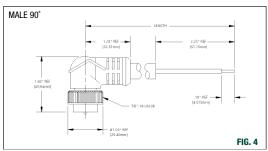
AMBIENT OPERATING TEMP: -4 TO 221° F (-20 TO 105° C)

#### **Connector Dimensions**

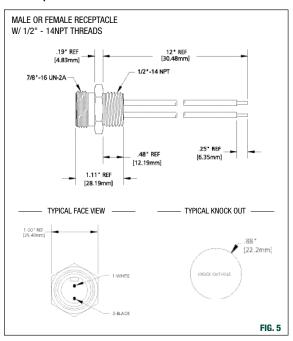








# Receptacle Dimensions



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#### MINI-CHANGE® CONNECTORS/ RECEPTACLES

- Allows easy field conversion to quick disconnect
- Male with internal or external threads female with internal threads
- Secure screw terminals #15 AWG to #24 AWG compatible with existing Mini-Change



#### Field-Attachable Connectors

	O.D.	48	
	3P	4P	5P
FEMALE FACE VIEW	3	3 2	5 1
VOLTAGE	600VAC/DC	600VAC/DC	600VAC/DC
CURRENT	13A	10A	8A
CABLE RANGE	0.20-0.48" O.D.	0.20-0.48" O.D.	0.20-0.48" 0.D.
	(5-12mm)	(5-12mm)	(5-12mm)
CONFIGURATION	OD	40	FD
CONFIGURATION	3P	4P	5P
FEMALE STRAIGHT W/ INTERNAL THREADS (FIG. 1)	1A3000-34	1A4000-34	1A5000-34
MATING MALE RECEPTACLE (FIG. 4)	1R3006A20A120	1R4006A20A120	1R5006A20A120
MALE STRAIGHT W/ EXTERNAL THREADS (FIG. 2)	1A3006-34	1A4006-34	1A5006-34
MATING FEMALE RECEPTACLE (FIG. 5)	1R3000A20A120	1R4000A20A120	1R5000A20A120
MALE STRAIGHT W/ INTERNAL THREADS (FIG. 3)	1A3002-34	1A4002-34	1A5002-34
MATING FEMALE RECEPTACLE (FIG. 6)	1R3004A20A120	1R4004A20A120	1R5004A20A120

NOTE: ADD SUFFIX "8" FOR STAINLESS STEEL. EX: 1A3000-34 BECOMES 1A3000-348

MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

MECHANICAL

CONNECTOR FACE: POLYURETHANE BODY: POLYAMIDE PA6 CONTACT: GOLD-PLATED BRASS COUPLING NUT: NICKEL-PLATED BRASS GROMMET: NEOPRENE

CABLE RANGE O.D.: 0.20-0.48" (5.0-12.0mm) ACCEPTABLE WIRE GAUGE RANGE: #24 AWG (0.25mm²) - #15 AWG (2.0mm²)

**ELECTRICAL** VOLTAGE RATING: 600 VAC/DC

AMPERAGE: 3P - 13A

4P - 10A 5P - 8A

**ENVIRONMENTAL** 

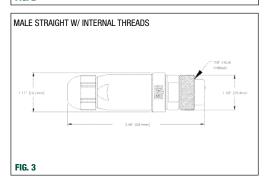
PROTECTION: IP 68

AMBIENT OPERATING TEMP: -40 TO 176° F (-40 TO 80° C)

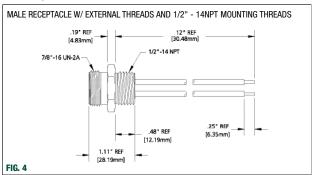
#### **Connector Dimensions**

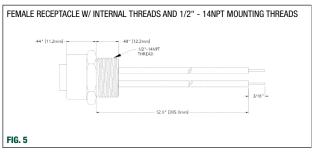
# FEMALE STRAIGHT W/ INTERNAL THREADS FIG. 1

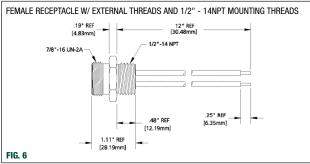
# MALE STRAIGHT W/ EXTERNAL THREADS FIG. 2



# Receptacle Dimensions







NOTE: SEE PAGE 228 FOR ADDITIONAL RECEPTACLES

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#### MINI-CHANGE® ACCESSORIES

- Closure caps for receptacles, connectors and Multi-Port distribution blocks
- Threaded unions for mating (2) cordsets
- Female and male plugs for liquid tight conduit terminations
- 90° adapters with (1) male and (1) female plug



# Closure Caps and Threaded Unions

DESCRIPTION	2P TO 6P (A SIZE)
ALUMINUM CLOSURE CAP WITH INTERNAL THREADS	65-0086
FOR USE WITH RECEPTACLES & MULTIPORTS (FIG. 1)	
ALUMINUM CLOSURE CAP WITH EXTERNAL THREADS	65-0085
FOR USE WITH CORDSETS (FIG. 2)	
ALUMINUM THREADED UNION FOR MATING TWO CORDSETS (FIG. 3)	55-0426

NOTE: FOR STAINLESS STEEL, ADD "SS" TO PART NUMBER. EX: 65-0086 BECOMES 65-0086SS

# Connectors with 6' long #16 AWG PVC leads for ½" liquid tight conduit

CONFIGURATION	2P	3P	4P	5P
FEMALE FACE VIEW		3 2 2	3 2 2	4 2 2
COLOR CODES	1 – WHITE 2 – BLACK	1 – GREEN (GRND) 2 – BLACK 3 – WHITE	1 – BLACK 2 – WHITE 3 – RED 4 – GREEN (GRND)	1 – WHITE 2 – RED 3 – GREEN (GRND) 4 – ORANGE 5 – BLACK
FEMALE (FIG. 4)	40718	40925	41132	41344
MALE (FIG. 4)	40780	41037	51149	41593

FOR RECEPTACLE MOUNTING HARDWARE, SEE PAGE 160.

# 90° Adapters with (1) male plug and (1) female plug

CONFIGURATION	2P	3P	4P	5P
90° (FIG. 5)	40761	41048	41212	41481



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

#### MECHANICAL

CLOSURE CAPS W/ INTERNAL THREADS: GRAY ANODIZED ALUMINUM CLOSURE CAPS W/ EXTERNAL THREADS: THREADED UNION: LIQUID-TIGHT CONNECTORS

BLACK ANODIZED ALUMINUM **GRAY ANODIZED ALUMINUM** CONNECTOR BODY: ZINC PLATED STEEL

COUPLING NUT: CLAMP NUT: INSERT:

GRAY ANODIZED ALUMINUM ZINC PLATED STEEL PVC - UL STD 94 - V0

90° ADAPTER CONNECTOR BODY: YELLOW PVC COUPLING NUTS: ZINC DIECAST W/ BLACK EPOXY

INSERT: PVC - UL STD 94 - V0

**ELECTRICAL** 

LIQUID-TIGHT CONNECTORS AND 90° ADAPTORS

VOLTAGE RATING: 600V CURRENT: 2P - 13A

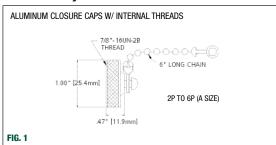
3P - 10A 4P - 8A 5P - 8A

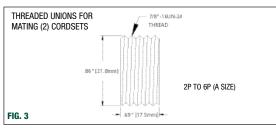
**ENVIRONMENTAL** 

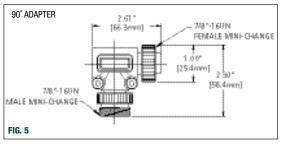
PROTECTION: IP67, NEMA 4

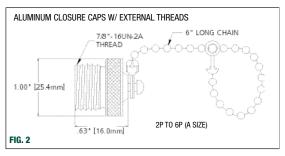
AMBIENT OPERATING TEMP: -4 TO 221° F (-20 TO 105° C)

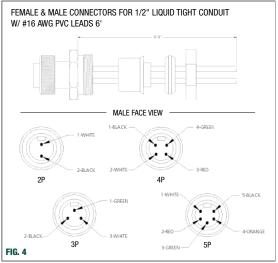
# Accessory Dimensions and Details











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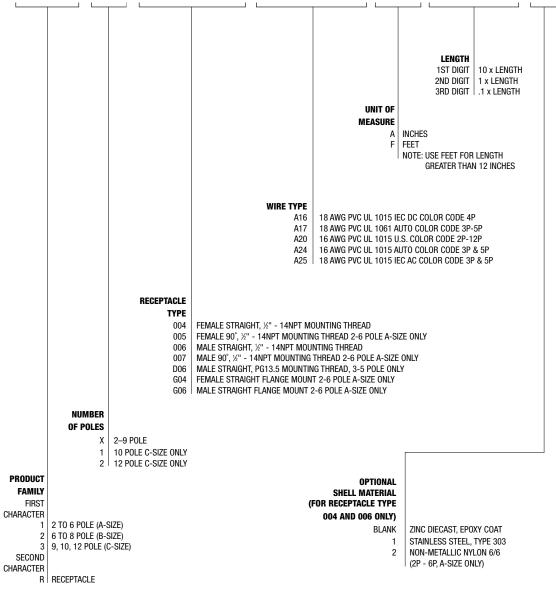
#### MINI-CHANGE® RECEPTACLE CATALOG NUMBER MATRIX

Use these Catalog Number Matrices to generate a custom or existing part number. From each grouping of specifications choose the corresponding code to create a single 13 character alpha/numeric part number for ordering. Below is an example of a properly constructed Receptacle part number and how it translates to an actual part.

#### 1R3006A20A1201

3 pole male straight receptacle with 12" leads, 16 AWG, PVC, U.S. color code, optional stainless steel shell

# 1R 3 006 A20 A 120 1

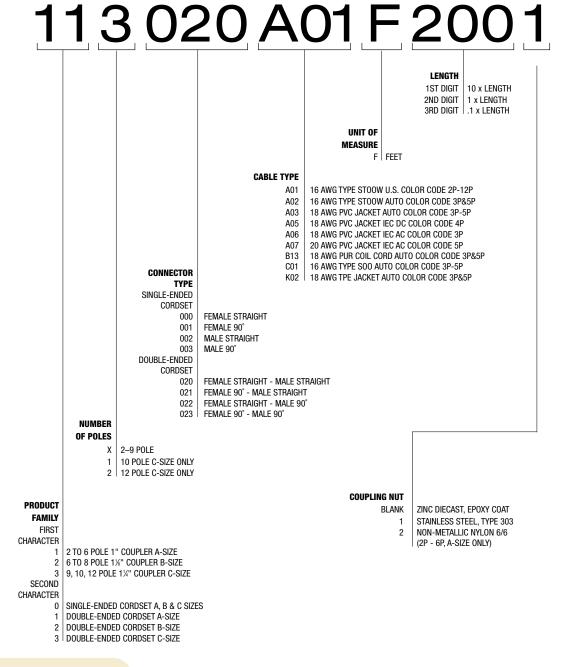


#### MINI-CHANGE® CORDSET CATALOG NUMBER MATRIX •

Below is an example of a properly constructed Connector part number and how it translates to an actual part.

#### 113020A01F2001

Mini-Change 3 pole female straight to male straight double-ended cordset with 20' of 16 AWG, STOOW-A, U.S. color code, stainless steel coupling nut



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#### MICRO-CHANGE® SINGLE KEY M12 CORDSETS/ RECEPTACLES

- #22 AWG yellow PVC cables DC color code
- Oil-resistant PVC jacket for all types of heavy-duty industrial environments
- Highly reliable low-resistance contact design with gold over nickel plating



# Single-Ended Cordsets

	3P	4P	5P
FEMALE FACE VIEW	1-3 4-5	3	
COLOR CODES	1 – BROWN 2 – NOT USED 3 – BLUE 4 – BLACK 5 – NOT USED	1 – BROWN 2 – WHITE 3 – BLUE 4 – BLACK 5 – NOT USED	1 – BROWN 2 – WHITE 3 – BLUE 4 – BLACK 5 – GRAY
VOLTAGE	250VAC/DC	250VAC/DC	250VAC/DC
CURRENT	4A	4A	4A
CONDUCTOR	#22-3	#22-4	#22-5

# Female Single-Ended Cordsets with 2 meters of #22 AWG PVC cable

CONFIGURATION	3P	4P	5P
STRAIGHT (FIG. 1)	803000A09M020	804000A09M020	805000A09M020
90° (FIG. 2)	803001A09M020	804001A09M020	805001A09M020
MATING MALE RECEPTACLE (FIG. 5)	8R3006A18A120	8R4006A18A120	8R5006A18A120

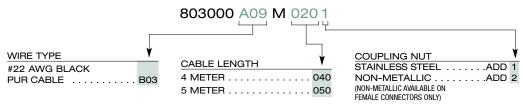
# Male Single-Ended Cordsets with 2 meters of #22 AWG PVC cable

CONFIGURATION	3P	4P	5P
STRAIGHT (FIG. 3)	803006A09M020	804006A09M020	805006A09M020
90° (FIG. 4)	803007A09M020	804007A09M020	805007A09M020
MATING FEMALE RECEPTACLE (FIG. 6)	8R3A00A18A120	8R4A00A18A120	8R5A00A18A120

#### Female/Male Double-Ended Cordsets with 2 meters of #22 AWG PVC cable

CONFIGURATION	3P	4P	5P
STRAIGHT/STRAIGHT (FIG. 1/3)	883030A09M020	884030A09M020	885030A09M020
90°/STRAIGHT (FIG. 2/3)	883031A09M020	884031A09M020	885031A09M020
STRAIGHT/90° (FIG. 1/4)	883032A09M020	884032A09M020	885032A09M020
90°/90° (FIG. 2/4)	883033A09M020	884033A09M020	885033A09M020

#### **Options:** Use the following chart to modify your part's specifications.



(H) (B)

MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

#### MECHANICAL

CONNECTOR FACE: NYLON 6/6

MOLDED BODY: PVC

O-RING: NITRILE RUBBER

COUPLING NUT: ZINC DIECAST W/ BLACK EPOXY

COAT, OPTIONAL STAINLESS STEEL TYPE 303 OR NON-METALLIC

BLACK DELRIN

CABLE: YELLOW #22 AWG PVC JACKET AND

PVC CONDUCTOR INSULATION OVER 26 X #36 COPPER STRANDING, 300V, UL STYLE 2661, CSA AWM I/II A/B,

OPTIONAL 80% METALLIC BRAID

OUTSIDE DIAMETER: WITHOUT BRAID WITH BRAID

3P - 0.18" (4.6mm) 3P - 0.23" (5.8mm) 4P - 0.20" (5.1mm) 4P - 0.25" (6.4mm)

5P - 0.23" (5.8mm) 5P - 0.26" (6.6mm)

**ELECTRICAL** 

VOLTAGE RATING: 250 VAC/DC AMPERAGE: 3P - 4A

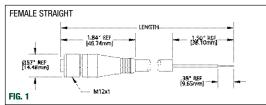
4P - 4A 5P - 4A

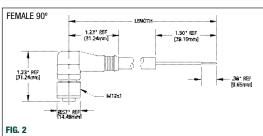
ENVIRONMENTAL

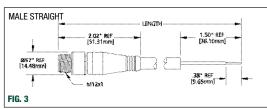
PROTECTION: IP 68, NEMA 6P

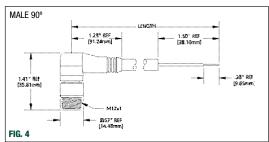
AMBIENT OPERATING TEMP: -4 TO 221° F (-20 TO 105° C)

#### **Connector Dimensions**

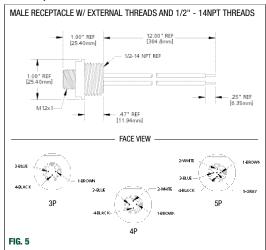


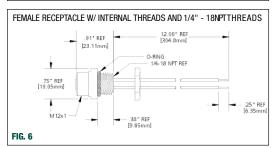






# Receptacle Dimensions





#### MICRO-CHANGE® SINGLE KEY M12 CONNECTORS/ RECEPTACLES

- Securescrew terminal connection accepts up to #18 AWG conductors
- Easy field conversion to quick-disconnect design
- For use with all standard single key M12 receptacles and cordsets



# Field-Attachable Connectors Single key M12

	<u> </u>		
	4P	5P	
FEMALE FACE VIEW	, <u>, , , , , , , , , , , , , , , , , , </u>	,	
MALE FACE VIEW	2 4		
VOLTAGE	250VAC/300VDC	30VAC/36VDC	
CURRENT	4A	4A	

# Female Connectors PG 7 cable fitting (0.098 - 0.26" OD [2.5 - 6.5mm] cable)

CONFIGURATION	4P	5P
STRAIGHT (FIG. 1)	8A4000-31	8A5000-31
90° (FIG. 2)	8A4001-31	8A5001-31
MATING MALE RECEPTACLE (FIG. 3)	8R4006A18A120	8R5006A18A120

#### Female Connectors PG 9 cable fitting (0.16 - 0.32" OD [4.1 - 8.1mm] cable)

CONFIGURATION	4P	5P
STRAIGHT (FIG. 1)	8A4000-32	8A5000-32
MATING MALE RECEPTACLE (FIG. 3)	8R4006A18A120	8R5006A18A120

#### Male Connectors PG 7 cable fitting (0.098 - 0.26" OD [2.5 - 6.5mm] cable)

CONFIGURATION	4P	5P
STRAIGHT (FIG. 4)	8A4006-31	8A5006-31
90° (FIG. 5)	8A4007-31	8A5007-31
MATING FEMALE RECEPTACLE (FIG. 6)	8R4A00A18A120	8R5A00A18A120

# Male Connectors PG 9 cable fitting (0.16 - 0.32" OD [4.1 - 8.1mm] cable)

CONFIGURATION	4P	5P
STRAIGHT (FIG. 4)	8A4006-32	8A5006-32
MATING FEMALE RECEPTACLE (FIG. 6)	8R4A00A18A120	8R5A00A18A120

# Closure Caps

CONFIGURATION	4P	5P
METALLIC CLOSURE CAP WITH INT. THREADS	80011	80011
METALLIC CLOSURE CAP WITH EXT. THREADS	80015	80015
NON-METALLIC CLOSURE CAP WITH EXT. THREADS	80013	80013



MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

MECHANICAL

CONNECTOR FACE: POLYAMIDE MOLDED BODY: POLYAMIDE CONTACT:

SILVER PLATED BRASS COUPLING NUT: NICKEL PLATED BRASS GROMMET: NITRILE RUBBER

MAXIMUM CONDUCTOR SIZE: **18 AWG** 

ELECTRICAL VOLTAGE RATING: 4P - 250VAC 5P - 30VAC

300VDC 36VDC

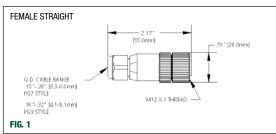
AMPERAGE: 4P - 4A

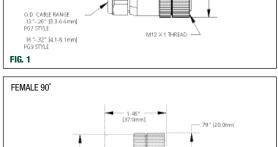
5P - 4A

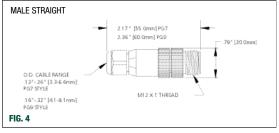
**ENVIRONMENTAL** PROTECTION: IP 68

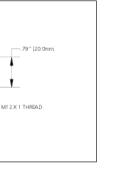
AMBIENT OPERATING TEMP: -13 TO 194° F (-25 TO 90 °C)

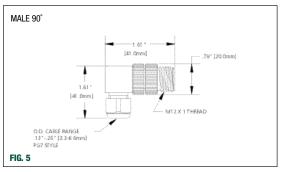
#### Connector Dimensions











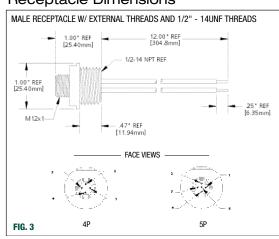
# Receptacle Dimensions

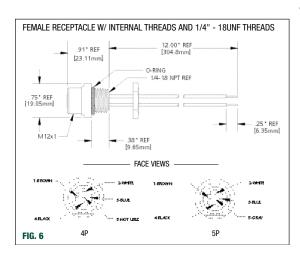
1 615 [41.0mm]

O.D. CABLE RANGE

FIG. 2

131-261 [3.3-6.6mm]





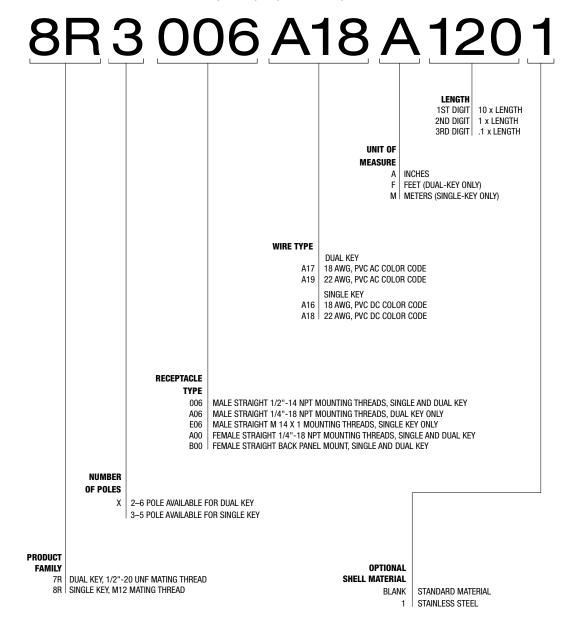
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#### MICRO-CHANGE® RECEPTACLE CATALOG NUMBER MATRIX

Below is an example of a properly constructed receptacle part number and how it translates to an actual part.

#### 8R3006A18A120

Micro-Change single key, 3 pole male straight receptacle, 1/2"-14 NPT mounting threads with 12 inch leads, 22 AWG, PVC, DC color code, with stainless steel shell.



#### MICRO-CHANGE® CORDSET CATALOG NUMBER MATRIX •

Below is an example of a properly constructed receptacle part number and how it translates to an actual part.

#### 803000A09M020

Micro-Change single key M12 3 pole female straight single-ended cordset, 2 meters of 22 AWG PVC cable with DC color code, with stainless steel shell.

#### 80 3 000 A09 M 020 1 **UNIT OF** MEASURE F FEET (DUAL KEY ONLY) M METERS (SINGLE KEY ONLY) LENGTH 1ST DIGIT 10 x LENGTH 1 x LENGTH 2ND DIGIT WIRE TYPE 3RD DIGIT 1.1 x LENGTH DUAL KEY 1/2"-20 UNF 18 AWG PVC, AUTO COLOR CODE 3P AND 5P A03 18 AWG PUR, AUTO COLOR CODE 3P B01 22 AWG PVC, AUTO COLOR CODE 2P TO 6P 18 AWG TPE AUTO COLOR CODE 3P AND 5P SINGLE KEY M12 A09 22 AWG PVC, DC COLOR CODE 3P TO 5P B02 18 AWG PUR, DC COLOR CODE 3P AND 4P B03 22 AWG PUR, DC COLOR CODE 3P AND 4P 18 AWG TPE, DC COLOR CODE 4P KU3 K05 22 AWG TPE, DC COLOR CODE 3P AND 4P CORDSET FEMALE: INTERNAL THREADS TYPE COUPLING NUT ADDITIONAL CHARACTER MALE: EXTERNAL THREADS BLANK | STANDARD MATERIAL SINGLE-ENDED CORDSET **FEMALE STRAIGHT** STAINLESS STEEL 2 NON-METALLIC S00 FEMALE STRAIGHT 360° SHIELD 001 FEMALE 90° S01 FEMALE STRAIGHT 360° SHIELD 006 MALE STRAIGHT MALE STRAIGHT 360° SHIELD (SK ONLY) DOUBLE-ENDED CORDSET 007 MALE 90° 030 FEMALE STRAIGHT - MALE STRAIGHT S07 MALE 90° 360° SHIELD (SK ONLY) S30 FEMALE STRAIGHT - MALE STRAIGHT ONO FEMALE STRAIGHT LED NPN 360° SHIELD (SK ONLY) 0P0 FEMALE STRAIGHT LED PNP 031 FEMALE 90° - MALE STRAIGHT 0N1 FEMALE 90° LED NPN FEMALE STRAIGHT - MALE 90° 032 0P1 FEMALE 90° LED PNP S32 FEMALE STRAIGHT - MALE 90° NUMBER 360° SHIELD (SK ONLY) 033 FEMALE 90° - MALE 90° OF POLES 0N7 FEMALE 90° LED NPN - MALE STRAIGHT 2-6 POLE AVAILABLE FOR DUAL KEY FEMALE 90° LED NPN - MALE 90° 0N9 3-5 POLE AVAILABLE FOR SINGLE KEY **PRODUCT** FEMALE 90° LED PNP - MALE STRAIGHT **FAMILY** FEMALE 90° LED PNP - MALE 90° FIRST CHARACTER DUAL KEY, 1/2"-20 UNF MATING THREAD 8 SINGLE KEY, M12 MATING THREAD SECOND CHARACTER n SINGLE-ENDED CORDSET DOUBLE-ENDED CORDSET, DUAL KEY

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8 DOUBLE-ENDED CORDSET, SINGLE KEY

#### → NANO-CHANGE® M8 CORDSETS/ RECEPTACLES

- #24 AWG yellow PVC cable
- Oil-resistant high-flex PUR jacket available
- Th readed coupling to withstand harsh industrial environments



# Single and Double-Ended Cordsets Threaded couplers

	3P	4P	5P
FEMALE FACE VIEW	- <b>O</b> -1		2.
COLOR CODES	1 – BROWN 2 – NOT USED 3 – BLUE 4 – BLACK	1 – BROWN 2 – WHITE 3 – BLUE 4 – BLACK	1 – BROWN 2 – WHITE 3 – BLUE 4 – BLACK 5 – GRAY
VOLTAGE	60VAC/75VDC	60VAC/75VDC	60VAC/75VDC
CURRENT	4A	4A	3A
CONDUCTOR	#24-3	#24-4	#24-5

# Female Single-Ended Cordsets With 2 meters of PVC cable

CONFIGURATION	3P	4P	5P
STRAIGHT (FIG. 1)	403000A10M020	404000A10M020	405000A10M020
90° (FIG. 2)	403001A10M020	404001A10M020	405001A10M020
MATING MALE RECEPTACLE (FIG. 5)	4R3P06A27C300	4R4P06A27C300	4R5P06A27C300

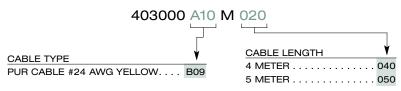
## Male Single-Ended Cordsets With 2 meters of PVC cable

CONFIGURATION	3P	4P	5P
STRAIGHT (FIG. 3)	403006A10M020	404006A10M020	405006A10M020
90° (FIG. 4)	403007A10M020	404007A10M020	405007A10M020
MATING FEMALE RECEPTACLE (FIG. 6)	4R3P00A27C300	4R4P00A27C300	4R5P00A27C300

### • Female/Male Double-Ended Cordsets With 2 meters of PVC cable

CONFIGURATION	3P	4P	5P
STRAIGHT/STRAIGHT (FIG. 1/3)	443030A10M020	444030A10M020	445030A10M020
90°/STRAIGHT (FIG. 2/3)	443031A10M020	444031A10M020	445031A10M020
STRAIGHT/90° (FIG. 1/4)	443032A10M020	444032A10M020	445032A10M020
90°/90° (FIG. 2/4)	443033A10M020	444033A10M020	445033A10M020

**Options:** Use the following chart to modify your part's specifications.





MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.

#### MECHANICAL

CONNECTOR FACE: PUR MOLDED BODY: PUR O-RING: VITON

COUPLING NUT: NICKEL-PLATED BRASS

YELLOW, PVC CABLE JACKET, #24 CABLE: AWG, UL STYLE 2661

YELLOW, HIGH-FLEX PUR CABLE JACKET, #24 AWG, UL STYLE 20233 <u>PUR</u>

**OUTSIDE DIAMETER: PVC** 

3/C 0.17" (4.3mm) 4/C 0.18" (4.6mm) 5/C 0.20" (5.1mm) 0.18" (4.6mm) 0.18" (4.6mm) 0.20" (5.1mm)

ELECTRICAL

VOLTAGE RATING: 60VAC/75VDC

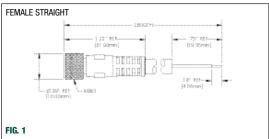
AMPERAGE: 3P - 4A 4P - 4A

5P - 3A ENVIRONMENTAL

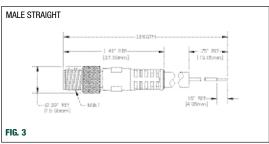
PROTECTION: NEMA 6P, IP 68 AMBIENT OPERATING TEMP:

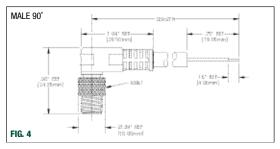
-4-221°F (-20-105°C) - PVC -4-176°F (-20-80°C) - PUR

# **Connector Dimensions**

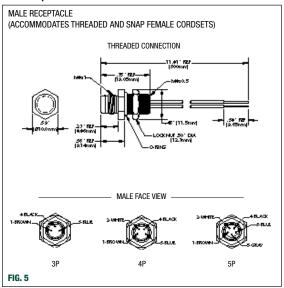


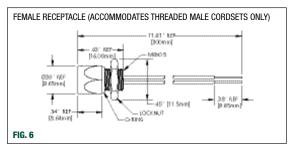
# FEMALE 90° 04.198 DOOR 1000AB .16" **(27**-FIG. 2





# Receptacle Dimensions





#### NANO-CHANGE® M8 CONNECTORS/ RECEPTACLES

- Allows easy field conversion to quick-disconnect
- Solder connections
- Male and female in both straight and 90° versions



#### M8 Field-Attachable Connectors

	3P	5P		
FEMALE FACE VIEW	.O.			
MALE FACE VIEW	<u>'</u>	<u>)</u>		
VOLTAGE	60VAC/75VDC	60VAC/75VDC		
CURRENT	4A	4A		

# Female Field-Attachable Connectors 3.5-5.0mm (0.137-0.196" OD) cable fitting

CONFIGURATION	3P	5P
STRAIGHT (FIG. 1)	N03FA03124	N04FA03124
90° (FIG. 2)	N03FA04124	N04FA04124
MATING MALE RECEPTACLE	4R3P06A27C300	4R4P06A27C300

# Male Field-Attachable Connectors 3.5-5.0mm (0.137-0.196" 0D) cable fitting

CONFIGURATION	3P	5P
STRAIGHT (FIG. 3)	N03MA03124	N04MA03124
90° (FIG. 4)	N03MA04124	N04MA04124
MATING FEMALE RECEPTACLE	4R3P00A27C300	4R4P00A27C300

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MECHANICAL

CONNECTOR FACE: BODY: PA

COUPLING NUT: NICKEL-PLATED BRASS TERMINATION: SOLDER LUGS; ACCEPTS
CONDUCTOR TO #20 AWG

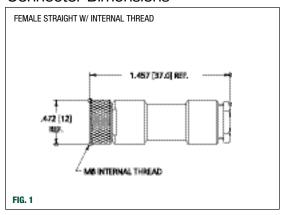
**ELECTRICAL** 

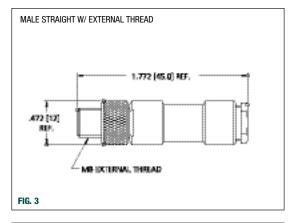
VOLTAGE RATING: 60VAC/75VDC AMPERAGE: 4A ENVIRONMENTAL

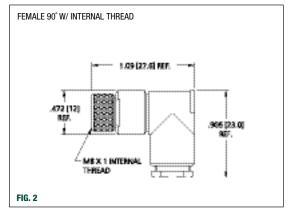
PROTECTION: IP 67

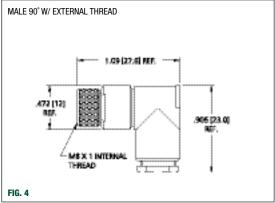
AMBIENT OPERATING TEMP: 32 TO 185° F (0 TO 85° C)

#### Connector Dimensions









NOTE: RECEPTACLE DRAWINGS ARE FOUND ON PAGE 237.

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#### → TRUNK/FEEDER CORDSETS/ RECEPTACLES

Brad® Power cordsets for trunk and feeder circuits offer durable components for the layout of a scalable wiring system for power distribution. Available in 3 and 4 pole configurations with dual rated 10 AWG cable, Trunk/Feeder cordsets provide flexibility for electrical power applications up to 30A, 600VAC/DC. Multiple key options enable differentiated circuits on trunk/feeder lines. Brad Power tees are key components for establishing a modular, scalable trunk and drop wiring topology. Tees with a drop connector provide an access point for branch circuits to field devices, while tees with a trunk connector split the main feeder circuit into sub-segments. Multiple key options enable differentiated circuits on trunk/feeder lines.

#### Connectors

	SINGLE KEY 3P	SINGLE KEY 4P	ALTERNATIVE KEY 3P	ALTERNATIVE KEY 4P
FEMALE FACE VIEW	(E)			6
COLOR CODES	1 – BLACK 2 – GREEN/YELLOW 3 – WHITE	1 – BLACK 2 – GREEN/YELLOW 3 – RED 4 – WHITE	1 – BLACK 2 – GREEN/YELLOW 3 – WHITE	1 – BLACK 2 – GREEN/YELLOW 3 – RED 4 – WHITE
VOLTAGE	600VAC/VDC	600VAC/VDC	600VAC/VDC	600VAC/VDC
CURRENT	30A	25A	30A	25A

#### Female Single-Ended Cordsets with 0.5 meters of 10 AWG cable

CONFIGURATION	SINGLE KEY 3P	SINGLE KEY 4P	ALTERNATIVE KEY 3P	<b>ALTERNATIVE KEY 4P</b>
STRAIGHT (FIG. 1)	C03000A48M010	C04000A48M010	C03100A48M010	C04100A48M010
90° (FIG. 2)	C03001A48M010	C04001A48M010	C03101A48M010	C04101A48M010
1/2-NPT MATING MALE RECEP. (FIG. 5)	CR3006A30M003	CR4006A30M003	CR3106A30M003	CR4106A30M003
3/4-NPT MATING MALE RECEP. (FIG. 5)	CR3C06A30M003	CR4C06A30M003	CR3D06A30M003	CR4D06A30M003

#### Male Single-Ended Cordsets with 0.5 meters of 10 AWG cable

CONFIGURATION	SINGLE KEY 3P	SINGLE KEY 4P	ALTERNATIVE KEY 3P	ALTERNATIVE KEY 4P
STRAIGHT (FIG. 3)	C03006A48M010	C04006A48M010	C03106A48M010	C04106A48M010
90° (FIG. 4)	C03007A48M010	C04007A48M010	C03107A48M010	C04107A48M010
1/2-NPT MATING FEMALE RECEP. (FIG. 6)	CR3000A30M003	CR4000A30M003	CR3100A30M003	CR4100A30M003
3/4-NPT MATING FEMALE RECEP. (FIG. 6)	CR3C00A30M003	CR4C00A30M003	CR3D00A30M003	CR4D00A30M003

#### Female/Male Double-Ended Cordsets with 0.5 meters of 10 AWG cable

CONFIGURATION	SINGLE KEY 3P	SINGLE KEY 4P	ALTERNATIVE KEY 3P	ALTERNATIVE KEY 4P
STRAIGHT/STRAIGHT (FIG. 1/3)	CC3030A48M010	CC4030A48M010	CC3130A48M010	CC4130A48M010
90°/STRAIGHT (FIG. 2/3)	CC3031A48M010	CC4031A48M010	CC3131A48M010	CC4131A48M010
STRAIGHT/90° (FIG. 1/4)	CC3032A48M010	CC4032A48M010	CC3132A48M010	CC4132A48M010
90°/90° (FIG. 2/4)	CC3033A48M010	CC4033A48M010	CC3133A48M010	CC4133A48M010

#### Accessories tees and reducing adapters

DESCRIPTION	SINGLE KEY 3P	SINGLE KEY 4P	ALTERNATIVE KEY 3P	ALTERNATIVE KEY 4P
TRUNK TEES	TC30C30-001	TC40C40-001	TC31C31-001	TC41C41-001
TEES WITH DROP CONNECTORS	TC30130-001	TC40140-001	TC31130-001	TC41140-001
REDUCERS TO FEMALE DROP	103030-001	1C4030-001	103130-001	1C4130-001

**Options:** Use the following chart to modify your part's specifications.

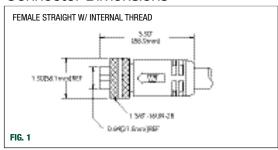


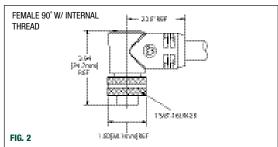


MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER, SEE PAGES 262-269.



#### Connector Dimensions







#### **SPECIFICATIONS** •

#### MECHANICAL

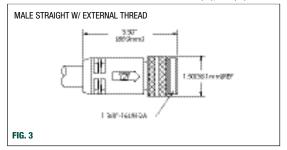
CONNECTOR FACE: **GRAY PVC** BODY: **BLACK PVC** COUPLING NUT: ANODIZED ALUMINUM CONTACT: SOLID COPPER ALLOY

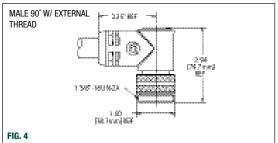
GRAY PVC, 10 AWG, DUAL CABLE: RATED UL TC/OPEN WIRING AND STOOW

OUTSIDE DIAMETER: 10/3 0.700" 10/4 0.755"

**ELECTRICAL** 

VOLTAGE RATING: 600VAC/DC AMPERAGE: 30A (3P), 25A (4P)





# Tee and Reducer Specifications

MECHANICAL TRUNK/FEEDER CONNECTOR BODY: GRAY PVC RECEPTACLE SHELL:

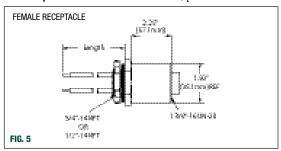
INSERT: BLACK PVC ANODIZED ALUMINUM COPPER CONTACT:

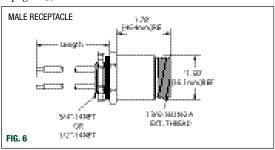
**ELECTRICAL** VOLTAGE: 600VAC/DC MAX INPUT CURRENT: 25A (4P), 30A (3P) MAX DROP CURRENT: 25A (4P), 30A (3P) DROP/BRANCH **GRAY PVC** 

**BLACK PVC** ZINC DIECAST, BLACK E-COAT GOLD OVER NICKEL-PLATED

600VAC/DC 15A

#### Receptacle Dimensions (specification information on page 243)





#### → DROP/BRANCH CORDSETS/ RECEPTACLES

Brad Power cordsets for drop and branch circuits feature a compact mini style connector, which allows for the quick connection of field devices to trunk/feeder circuits. Available in 3 and 4 pole configurations with 14 or 16 AWG cable, drop/branch circuits can be wired quickly and easily for applications up to 15A, 600VAC/DC.

As the termination point at motors and devices, Brad Power receptacles offer a quick connect interface to your device or cabinet. Accessories such as closure caps maintain sealing integrity and provide convenient "stop points" for expandable power systems. Multiple key options enable differentiated circuits on trunk/feeder lines. 1/2-14NPT mounting thread.

#### Connectors

	3P/14 AWG	3P/16 AWG	4P/14 AWG	4P/16 AWG
FEMALE FACE VIEW	(B)		(6.0)	
COLOR CODES	1 – GREEN (GRND) 2 – BLACK 3 – WHITE	1 – GREEN (GRND) 2 – BLACK 3 – WHITE	1 – BLACK 2 – WHITE 3 – RED 4 – GREEN (GRND)	1 – BLACK 2 – WHITE 3 – RED 4 – GREEN (GRND)
VOLTAGE	600VAC/VDC	600VAC/VDC	600VAC/VDC	600VAC/VDC
CURRENT	30A	25A	30A	25A

# Female Single-Ended Cordsets

CONFIGURATION	3P/14 AWG	3P/16 AWG	4P/14 AWG	4P/16 AWG
STRAIGHT (FIG. 1)	103000A46M010	103000A45M010	104000A46M010	104000A45M010
90° (FIG. 2)	103001A46M010	103001A45M010	104001A46M010	104001A45M010
MATING MALE RECEP. (FIG. 6)	1R3006A28A120G	1R3006A20A120G	1R4006A28A120G	1R4006A20A120G

# Male Single-Ended Cordsets

CONFIGURATION	3P/14 AWG	3P/16 AWG	4P/14 AWG	4P/16 AWG
STRAIGHT (FIG. 3)	103006A46M010	103006A45M010	104006A46M010	104006A45M010
90° (FIG. 4)	103007A46M010	103007A45M010	104007A46M010	104007A45M010
MATING FEMALE RECEP. (FIG. 5)	1R3000A28A120G	1R3000A20A120G	1R4000A28A120G	1R4000A20A120G

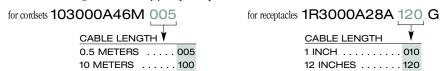
#### Female/Male Double-Ended Cordsets

CONFIGURATION	3P/14 AWG	3P/16 AWG	4P/14 AWG	4P/16 AWG
STRAIGHT/STRAIGHT (FIG. 1/3)	113030A46M010	113030A45M010	114030A46M010	114030A45M010
90°/STRAIGHT (FIG. 2/3)	113031A46M010	113031A45M010	114031A46M010	114031A45M010
STRAIGHT/90° (FIG. 1/4)	113032A46M010	113032A45M010	114032A46M010	114032A45M010
90°/90° (FIG. 2/4)	113033A46M010	113033A45M010	114033A46M010	114033A45M010

# Receptacles and Accessories

CONFIG.	MOUNT. THREAD	3P/14 AWG	3P/16 AWG	4P/14 AWG	4P/16 AWG	CLOSURE CAP
FEMALE (FIG. 5)	1/2-14NPT	1R3000A28A120G	1R3000A20A120G	1R4000A28A120G	1R4000A20A120G	65-0085
MALE (FIG. 6)	1/2-14NPT	1R3006A28A120G	1R3006A20A120G	1R4006A28A120G	1R4006A20A120G	65-0086

**Options:** Use the following chart to modify your part's specifications.

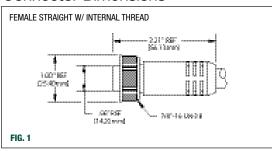


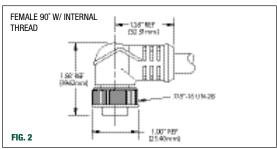


MOST WOODHEAD PRODUCTS HAVE U.L. AND/OR CSA APPROVALS. FOR A LISTING OF APPROVALS BY PART NUMBER. SEE PAGES 262-269.



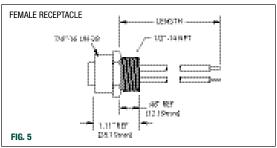
# **Connector Dimensions**







# Receptacle Dimensions



MECHANICAL

CONNECTOR FACE: GRAY PVC BODY: BLACK PVC

COUPLING NUT: ZINC DIECAST WITH BLACK

EPOXY COATING
CONTACT: COPPER ALLOY WITH GOLD OVER

NICKEL PLATING
CABLE: GRAY PVC, 14 AWG AND 16 AWG,

DUAL RATED UL TC/OPEN WIRING

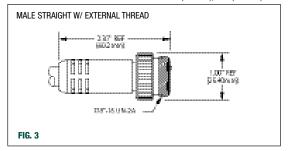
AND STOOW

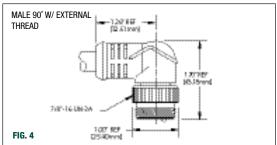
OUTSIDE DIAMETER: 14/3 0.555", 14/4 0.585", 16/3 0.395", 16/4 0.430"

**ELECTRICAL** 

VOLTAGE RATING: 600VAC/DC

AMPERAGE: 10A (16 AWG), 15A (14 AWG)





# Receptacle Specifications

MECHANICAL DROP/BRANCH

INSERT: BLACK PVC
RECEPTACLE SHELL: ZINC-DIECAST, BLACK E-COAT
CONTACT: GOLD OVER NICKEL PLATED

WIRE INSULATION: PVC WIRE GAUGE: 14AWG AND 16AWG

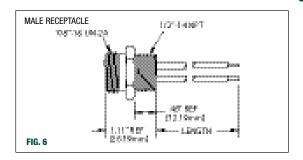
ELECTRICAL AMPERAGE: 10A/600V

AMPERAGE: 10A/600V (16AWG) 13A/600V (14AWG) TRUNK/FEEDER Black PVC

ANODIZED ALUMINUM COPPER ALLOY PVC

10AWG

25A/600V (4P) 30A/600V (3P)



# • COMPETITIVE COMPARISON CROSS REFERENCE - CABLE GRIPS

COMPARISON NO. WOODHEAD NO.	COMPARISON NO. WOODHEAD NO.	COMPARISON NO. WOODHEAD NO.	COMPARISON NO. WOODHEAD NO.
003-22-0015601	022-02-01035143	022-03-02335294	022-16-00736577
003-22-0025602	022-02-01135144	022-03-02435295	022-16-00836577
003-22-0035603	022-02-01235145	022-03-03735300	022-16-00936578
003-22-0045604	022-02-01335165	022-03-03835301	022-16-01036578
022-01-00135001	022-02-01435166	022-03-03935302	022-16-01136578
022-01-00235002	022-02-01535167	022-03-04135303	022-16-01236578
022-01-00335003	022-02-01735168	022-03-04235304	022-16-01336579
022-01-00535004	022-02-01835169	022-03-04335305	022-16-01436579
022-01-00735006	022-02-01935170	022-03-04435306	022-16-01536579
022-01-00835007	022-02-02035171	022-03-04535307	022-16-01636581
022-01-00935008	022-02-02135172	022-03-04635308	022-16-01736583
022-01-01035009	022-02-02235173	022-03-04735309	022-16-01836583
022-01-01135010	022-02-02335174	022-03-04835310	022-16-01936585
022-01-01235011	022-02-02435175	022-03-06435330	022-16-02036585
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022-01-02235038	022-02-04635203	022-03-07435339	022-16-02936590
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022-01-03735060	022-02-05035225	022-06-00235426	022-29-100136671
022-01-03835061	022-02-05135226	022-06-00335427	022-29-100236672
022-01-03935062	022-02-05235227	022-06-00435428	022-29-100336673
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022-01-04235064	022-02-05535229	022-06-00635430	022-29-100536675
022-01-04335065	022-02-05635230	022-06-00735431	022-29-100636676
022-01-04435066	022-02-05735231	022-06-00835432	022-29-100836690
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022-01-04835070	022-02-06135235	022-06-01235437	022-29-101236694
022-01-05035093	022-03-00135270	022-06-01335438	022-29-101336695
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022-01-054	022-03-006	022-07-004	022-29-1018
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022-02-00235136	022-03-01435286	022-07-01235452	033-01-012
022-02-00335137	022-03-01535287	022-07-01335453	033-01-01335867
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022-02-006	022-03-01935290	022-16-003	033-01-01735870
022-02-007	022-03-020	022-16-00536576	033-01-018
022-02-00935141	022-03-02235292	022-16-006	033-01-02035873
022-02-003	022-03-022	022-10-000	000-01-020

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# **COMPETITIVE COMPARISON CROSS REFERENCE - CABLE GRIPS •**

COMPARISON NO. WOODHEAD NO.	COMPARISON NO. WOODHEAD NO.	COMPARISON NO. WOODHEAD NO.	COMPARISON NO. WOODHEAD NO.
033-01-02135874	033-04-108335941	033-10-00136140	073-10-00336552
033-01-02435880	033-04-108435942	033-10-00236141	073-10-00436553
033-01-025	033-04-108535943	033-10-00336142	073-10-00536554
033-01-02635882	033-04-108635944	033-10-00436143	073-10-006
033-01-02735883	033-04-108735945	033-10-00536144	074-01-00136430
033-01-02835884	033-04-108835946	033-10-00636145	074-01-00236431
033-01-02935885	033-04-108935947	033-10-00736146	074-01-00336432
033-01-03035886	033-04-109035948	033-10-00836147	074-01-00436250
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033-01-04735898	033-04-109435953	033-27-103736610	074-01-01336257
033-01-101735875	033-04-109535954	033-27-103836611	074-01-015
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033-02-01836621	033-04-109735956	033-27-104036613	074-01-01836263
033-02-02036622	033-05-00135970	033-27-104136614	074-01-01936275
033-02-02236623	033-05-00235971	033-27-104236615	074-01-02036275
033-02-02436624	033-05-00335972	033-29-100036660	074-01-02136265
033-02-02636625	033-05-00435973	033-29-1001	074-01-02336267
033-02-02836626	033-05-00535974	033-29-100236662	074-01-025
033-02-04436640	033-05-00635975	033-29-100336663	074-01-02636271
033-02-046	033-05-111435976	033-29-100436664	074-01-02736272
033-02-04836642	033-08-00336101	033-29-1005	074-01-02836273
033-02-05036643	033-08-00436102	072-02-04736405	074-01-02936475
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033-02-05436645	033-08-006	073-03-1201	074-01-03136477
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033-02-06636627	033-08-00836106	073-03-120336509	074-01-03336485
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033-02-1078	033-08-012	073-03-1207	074-01-03736434
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033-02-108036649 033-02-108136650	033-08-014	073-03-1209	074-01-039
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033-03-01035910	033-09-00836125	073-04-128036569	074-01-06036302
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033-03-01235912	033-09-010	073-04-128236574	074-01-06236305
033-03-013	033-09-011	073-04-128336580	074-01-06336306
033-03-015	033-09-012	073-04-128436582	074-01-06436450
033-03-016	033-09-013	073-04-128536584	074-01-06536451
033-03-01735916	033-09-014	073-04-128636587	074-01-06636452
033-03-018	033-09-015	073-04-128736589	074-01-06736453
033-03-01935918	033-09-016	073-04-128836591	074-01-06836460
033-03-02035919	033-09-01736135	073-04-1289	074-01-06936461
033-03-02935919	033-09-018	073-10-001	074-01-07036462
033-04-108235940	033-09-01936137	073-10-00236551	074-01-07136436

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COMPARISON NO. WOODHEAD NO.	COMPARISON NO. WOODHEAD NO.	COMPARISON NO. WOODHEAD NO.	COMPARISON NO. WOODHEAD NO.
074-01-07236437	074-01-119836826	074-01-127036820	074-02-024
074-01-07336438	074-01-119936330	074-01-127136821	074-02-03136442
074-01-07436340	074-01-123036831	074-01-127236822	074-02-032
074-01-07636342	074-01-123136469	074-01-127336823	074-02-033
074-01-07836344	074-01-123236834	074-01-12743 <mark>6463</mark>	074-02-03436392
074-01-08036346	074-01-123336835	074-01-1331	074-02-03536393
074-01-08136349	074-01-123436500	074-01-1332 <mark>5524M/5526M</mark>	074-02-036
074-01-083	074-01-1235	074-01-1333 5528M/5530M	074-02-037
074-01-084	074-01-123636312	074-01-1334 5532M/5534M	074-02-04136443
074-01-08536830	074-01-123736316	074-01-1335 5624M/5536M	074-02-04236400
074-01-08736355	074-01-1238	074-01-1336	074-02-04336401
074-01-089	074-01-124136833	074-01-1337	074-02-04436402
074-01-091	074-01-124236464	074-01-1338 5544M	074-02-04536403
074-01-102136314	074-01-1243	074-01-1339 5546M	074-02-04636404
074-01-102236332	074-01-1244	074-01-1340 5548M	074-02-04837033
074-01-102836276	074-01-124536498	074-01-1341	074-02-04937034
074-01-103036800	074-01-124636499	074-01-1342 <u>5556M</u>	074-02-05037035
074-01-103136801	074-01-124736245	074-01-1343 5560M	074-02-06136443
074-01-1032	074-01-124836246	074-01-1345 5523M	074-02-06236400
074-01-103336803	074-01-124936248	074-01-1346 <mark>5525M/5527M</mark>	074-02-06336401
074-01-103436804	074-01-124936248	074-01-1347 5529M/5531M	074-02-06436402
074-01-1035	074-01-125036270	074-01-1348 5533M/5535M	074-02-06536403
074-01-1036	074-01-125036270	074-01-1349 5625M/5537M	074-02-066
074-01-103736809	074-01-125136277	074-01-1350 5539M	074-02-06736405
074-01-103836810	074-01-125136277	074-01-1351 5543M	074-02-06837033
074-01-103936811	074-01-125236278	074-01-1352 5545M	074-02-06937034
074-01-1042	074-01-125236278	074-01-1353 5547M	074-02-07037035
074-01-104336364	074-01-125336479	074-01-1354 5549M	074-02-08836442
074-01-104436470	074-01-125336479	074-01-1355 5553M	074-02-08936390
074-01-104536471	074-01-125436480	074-01-1356 <u>5557M</u>	074-02-09036391
074-01-104636472	074-01-125436480	074-01-1357	074-02-09336392
074-01-104736473	074-01-1255	074-01-137	074-02-09436393
074-01-104936321	074-01-125536481	074-02-00136440	074-02-095
074-01-1051	074-01-125636482	074-02-00236370	074-02-09636395
074-01-105336827	074-01-125636482	074-02-00336371	074-02-09737036
074-01-105536326	074-01-125736483	074-02-00436372	074-02-09837037
074-01-105736328	074-01-125736483	074-02-00536373	074-02-09937038
074-01-1059	074-01-125836484	074-02-006	074-06-00136440
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074-01-106136335	074-01-1259	074-02-00837030	074-06-003
074-01-106236465	074-01-1259	074-02-00937031	074-06-004
074-01-106336466	074-01-126036488	074-02-01037032	074-06-00536373
074-01-106436467	074-01-126036488	074-02-01136440	074-06-006
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074-01-108	074-01-126236816	074-02-01436372	074-06-009
074-01-117836274	074-01-126236816	074-02-015	074-06-01037032
074-01-117836274	074-01-126336287	074-02-016	074-06-012
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074-01-118736813	074-01-1264	074-02-01837030	074-06-014
074-01-118836814	074-01-1264	074-02-01937031	074-06-015
074-01-1189	074-01-1265	074-02-02037032	074-06-016
074-01-1195	074-01-1265	074-02-021	074-06-017
074-01-119636818	074-01-1266	074-02-022	074-06-018
074-01-119736829	074-01-126736806	074-02-023	074-06-01937031

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COMPARISON NO. WOODHEAD NO.	COMPARISON NO. WOODHEAD NO.	COMPARISON NO. WOODHEAD NO.	COMPARISON NO. WOODHEAD NO.
074-06-02037032	074-09-340236370	203-02-00236238	NHC-1035-CR5625/5537
074-06-02236441	074-09-340336371	203-03-00136241	NHC-1036-CR
074-06-02336380	074-09-340436372	CG-40490-NM 5523NM	NHC-1037-CR
074-06-02436381	074-09-340536373	CG-404-NM	NHC-1039-CR
074-06-02536382	074-09-340636374	CG-404-SST	NHC-1040-CR
074-06-03136442	074-09-340836375	CG-40690-NM	NHC-1041-CR
074-06-03236390	074-09-341037030	CG406-NM	NHC-1042-CR
074-06-03336391	074-09-341237031	CG-406-SST	NHC-1043-CR
074-06-034	074-09-341637032	CG-406-SST	NHC-1044-CR
074-06-03536393	074-09-342136443	CG-40890-NM 5531NM	SHC-1001-CR5398
074-06-03636394	074-09-342236400	CG-408-NM	SHC-1002-CR5400
074-06-03736395	074-09-342336401	CG-408-SST	SHC-1003-CR
074-06-04136443	074-09-342436402	CG-408-SST5530MSS	SHC-1007-CR5498
074-06-04236400	074-09-3425	CG-410-SST5532MSS	SHC-1008-CR5500
074-06-04336401	074-09-342636404	CG-410-SST	SHC-1009-CR5502
074-06-04436402	074-09-342836405	CG-60890-NM	SHC-1010-CR5504
074-06-04536403	074-09-343037033	CG-608-NM	SHC-1011-CR5506
074-06-04636404	074-09-343237034	CG-61090-NM	SHC-1012-CR
074-06-04736405	074-09-343637035	CG-610-NM	SHC-1018-CR5528
074-06-04837033	074-09-344136442	CG-610-SST	SHC-1019-CR5518
074-06-04937034	074-09-344236390	CG-61290-NM	SHC-1020-CR5520
074-06-05037035	074-09-344336391	CG-612-NM	SHC-1020-SS
074-06-06136443	074-09-3444	CG-612-SST	SHC-1021-CR5522
074-06-06236400	074-09-344536393	CG-81090-NM	SHC-1021-SS
074-06-06336401	074-09-3446	CG-810-NM	SHC-1022-CR5524/5526
074-06-06436402	074-09-3448	CG-810-SST	SHC-1022-SS
074-06-06536403	074-09-351136440	CG-81290-NM 5553NM	SHC-1022-SS
074-06-06636404	074-09-351236370	CG-812-NM	SHC-1023-CR5528/5530
074-06-06736405	074-09-351336371	CG-812-SST	SHC-1023-SS
074-06-06837033	074-09-351436372	CG-81490-NM 5557NM	SHC-1023-SS
074-06-06937034	074-09-351536373	CG-814-NM	SHC-1024-CR5532/5534
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074-06-08936390	074-09-352037030	CG-816-NM	SHC-1024-SS
074-06-09036391	074-09-352237031	CG-816-SST	SHC-1035-CR5624/5536
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074-06-09236393	074-09-35413 <mark>6443</mark>	H038CNK37100	SHC-1036-CR5538
074-06-09336394	074-09-354236400	H0509CNK 37101-90	SHC-1036-SS
074-06-09436395	074-09-35433 <mark>6401</mark>	H050CNK	SHC-1037-CR5542
074-08-136537100	074-09-35443 <mark>6402</mark>	H0759CNK 37102-90	SHC-1037-SS
074-08-136637101	074-09-35453 <mark>6403</mark>	H075CNK37102	SHC-1039-CR5546
074-08-136737102	074-09-354636404	H1009CNK 37103-90	SHC-1040-CR5548
074-08-136837103	074-09-354836405	H100CNK37103	SHC-1041-CR5552
074-08-136937104	074-09-355037033	H1259CNK 37104-90	SHC-1042-CR5556
074-08-137037105	074-09-355237034	H125CNK37104	SHC-1043-CR5560
074-08-13713 <mark>7106</mark>	074-09-3556 <mark>37035</mark>	H1509CNK 37105-90	SHC-1043SS
074-08-1372	074-09-356136442	H150CNK	SHC-1044-CR5562
074-08-1373 37101-90	074-09-3562	H2009CNK 37106-90	SHC-1044-SS 5562SS
074-08-1374	074-09-356336391	H200CNK37106	UFC-0001-CR5580
074-08-1375 37103-90	074-09-3564	NHC-1019-CR	UFC-0003-CR5586
074-08-1376	074-09-356536393	NHC-1020-CR	
074-08-1377	074-09-3566	NHC-1021-CR	
074-08-1378 37106-90	074-09-3568	NHC-1022-CR5525/5527	
074-09-031037030	076-06-01136440	NHC-1023-CR5529/5531	

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074-09-3401......36440 203-02-001......36237 NHC-1024-CR.....5533/5535



# • UL/CSA APPROVALS BY PART NUMBER

PART NO.	UL	CSA	PART NO.	UL	CSA	PART NO. UL	CSA	PART NO.	UL	CSA
105	F50251	LR1533	1534	F10176	LR6837	2781 E10176		4010		LR32400
			1547							
106		LR1533			LR6837	2782 E10176		4011		LR32400
300		LR1533	1548			2783 E10176		4012		LR32400
301		LL85374	1549		LR6837	2809 E10176		4022		LR32400
310		LL85374	1606		LL85374	2847 E10176		4023		LR32400
402	E59049	LL85374	1610	. E59049	_	2848 E10176		4024	. —	LR32400
405	E59049	LL85374	1612	. E59049	LL85374	2849 E10176	LR6837	4026	. —	LR32400
440	—	LR6837	1682	. E59049	LL85374	2874 E10176	LR6837	4028	. —	LR32400
442	—	LR6837	1684	. E59049	LL85374	2875 E10176	LR6837	4052	. —	LR32400
445		LR6837	1701		LR6837	2876 E10176		4202		LR32400
446		LR6837	1704		LR6837	2877 E10176		4203		LR32400
600		LR1533	1705		LR6837	2881 E10176		4204		LR32400
			1708							
601		LR1533			LR6837	2882 E10176		4205		LR32400
602		LR1533	1712		LR6837	2883 E10176		4206		LR32400
603		LR1533	1719		LR6837	2908 E10176		4207		LR32400
606	E73750	LR1533	1725	. —	LR6837	2909 E10176		4208	. —	LR32400
611	<b>—</b>	LL85374	1730	. —	LR6837	2947 E10176	i —	4209	. —	LR32400
910	—	LR29921	1732	. —	LR6837	2948 E10176	· —	4212	. —	LR32400
920	—	LR29921	1733	. —	LR6837	2949 E10176	· —	4720	. E10176	LR6837
930		_	1740		LR6837	2974 E10176		4729		LR6837
931		_	1741		LR6837	2975 E10176		4747		LR6837
932		_	1744		LR6837	2976 E10176		4748		LR6837
963		LL85374	1783		LR6837	2977 E10176		4749		LR6837
966		_	2000		LL85374	2981 E10176		4770		LR6837
980		_	2001		LL85374	2982 E10176		4774		LR6837
990	E22769	_	2002		LL85374	2983 E10176		4775		LR6837
997	E22769	_	2003	. E174254	LL85374	3000 E46237	' LR6837	4776	. E46237	LR6837
1045	E59049	LL85374	2010	. E174254	LL85374	3001 E46237	LR6837	4779	. —	LR6837
1049	E59049	LL85374	2011	. E174254	LL85374	3003 E46237	LR6837	4947	. E46237	LR6837
1152	E59251	_	2012		LL85374	3005 E46237		4948		_
1153		_	2030		LL85374	3006 E46237		4949		LR6837
1156		_	2031		LL85374	3008 E46237		4974		
		_						4975		LR6837
1157		_	2032		LL85374	3080 E46237				LR6837
1160		_	2300		_	3081 E46237		4976		LR6837
1161		_	2316		_	3082 E46237		5000		_
1162	E59251	_	2320	. E174254	_	3083 E46237		5001	. E112216	_
1164	E59251	_	2370	. E174254	_	3085 E46237	LR6837	5002	. E112216	_
1165	E59251	_	2404	. —	LR6837	3086 E46237	LR6837	5003	. E112216	_
1166	E59251	_	2434	. E10176	LR6837	3200	LR6837	5006	. E112216	LL85374
1168		LL85374	2447		LR6837	3210	LR6837	5007		LL85374
1173		LR1533	2449		LR6837	3215 —	LR6837	5008		
1174		LR1533	2504		LR6837	3220 —	LR6837	5009		LL85374
1203		LR1533	2534		LR6837	3225	LR6837	5166		LR6837
1207		LR1533	2547		LR6837	3230	LR6837	5169		LR6837
1220		LR1533	2549		LR6837	3235	LR6837	5176		LR6837
1223	E59049	LL85374	2607	. E10176	LR6837	3240 —	LR6837	5266	. E10176	LR6837
1225	E59049	LL85374	2608	. E10176	LR6837	3245	LR6837	5269	. E10176	LR6837
1229	—	LL85374	2609	. E10176	LR6837	3250 <del></del>	LR6837	5366	. E10176	LR6837
1262	E59251	LR1533	2610	. E10176	_	3255 <del></del>	LR6837	5369	. E10176	_
1324	E174254	LL85374	2647	. E10176	LR6837	3400 E13556	8 —	5398	. —	LR32159
1326		LL85374	2648		LR6837	3403 E13556		5400		LR32159
1334		LL85374	2649		LR6837	3410 E13556		5402		LR32159
		LL85374								L1102 100
1335			2674		LR6837	3413 E13556		5466		_
1336			2675		LR6837	3420 E13556		5469		
1337			2676		LR6837	3423 E13556		5500	. E76954	LR32159
1350	E174254	LL85374	2681	. E10176	_	3492	LR6837	5501		LR32159
1351	E174254	LL85374	2682	. E10176	_	3493	LR6837	5502	. E76954	LR32159
1352	E174254	LL85374	2683	. E10176	_	3494	LR6837	5503	. E76954	LR32159
1404		LR6837	2707		LR6837	3500 E93230		5504		LR32159
1407		_	2708		_	3510 E93230		5505		LR32159
1419		LR6837	2709		_	4002 —	LR32400	5506		LR32159
			2710		_		LR32400			
1433		LR6837				4003		5507		LR32159
1434		LR6837	2747		LR6837	4004	LR32400	5508		LR32159
	EIU1/6	LR6837	2748		LR6837	4005	LR32400	5509		LR32159
1447							1 000 400			
1447	E10176	LR6837	2749		_	4006	LR32400	5518		LR32159
1447	E10176	LR6837 LR6837	2749		LR6837	4006	LR32400 LR32400	5518		LR32159 LR32159
1447	E10176 E10176			. E10176					. —	



# **UL/CSA APPROVALS BY PART NUMBER •**

	PART NO.	UL	CSA	PART NO.	UL	CSA	PART NO.	UL	CSA	PART NO.	UL	CSA
5232   F7864   U82199   5767	5522	E76954	LR32159	5669	E10176	_	35066	_	LR32159	35278	_	LR32159
	5523	E76954	LR32159	5766	—	LR6837		_	LR32159	35279	_	LR32159
Sect	5523	E76954	LR32159	5769	—	LR6837	35068	_	LR32159	35280	_	LR32159
1926   1928   1921   1925   1925   1922	5524	E76954	LR32159	8505	—	LL85374	35069	_	LR32159	35285	_	LR32159
5622   FR865   M2159   8664   FIO176   M6837   35091   H22159   32098   R2209   H22159   S2209   H22159											_	
Prop												
50.00   F.07894   L92159   9006   E.2789   L928921   35094   L92159   35292   L82159   5533   F.78954   L92159   9224   E.2789   L928921   35095   L82159   35292   L82159   5532   F.78954   L92159   5224   E.2789   L928921   35095   L82159   35292   L82159   5532   F.78954   L92159   5223   E.2789   L928921   35096   L82159   35295   L82159   5235   L82159   L821								_			_	
5533   F78954   R8219   9224   E2278   L82892   35094   L82199   35292   L822195   5533   F78954   R8219   9224   E2278   L82891   35096   L82199   35230   L82195   5525   L82195   5525   F78954   R8219   9234   E22789   L82199   35096   L82199   35295   L82195   5525   L82195   5525   L82195   5525   L82195   5525   L82195   S525								_			_	
5031   F78954   R02159   9224   E22789   S0905   L02159   S0222   R02159   S0522   R0215553   F78954   R02159   9223   E22789   U789821   S0907   L02159   S0509   L02159   L021											_	
533   F76964   M32159   9228   22789   35096   R32159   35284   R32159   5533   F76964   M32159   9238   222789   R35099   R35159   35264   R32159   5535   F76964   M32159   9242   222789   R29221   35099   R32159   35205   R32150   R32155   R3											_	
533  F76964   Li32159   9234   22769   Li2921   35097   Li32159   35294   Li32159   5535   Li32159   9238   C22769   Li29213   35090   Li32159   35300   Li32159   5553   F76964   Li32159   9253   C22769   Li29212   35190   Li32159   35300   Li32159   Li32159   35300   Li32159   Li32159   35300   Li32159   L						_					_	
5534         F76964         L832159         9242         E22789         L832199         93280         LR32159           5535         F76964         L832159         9242         E22789         L62921         35100         LR32159         35300         LR32159           5536         F76964         L832159         9306         E22769         L62921         35135         LR32159         35302         LR32159           5536         F76964         L832159         9906         E22769         L62921         35136         LR32159         35302         LR32159           5540         F76964         L832159         9963         E22769         L62921         35136         LR32159         35305         LR32159           5541         F76964         L832159         9963         E22769         L69921         3513         LR32159         35305         LR32159           5541         F76964         L832159         9383         E22769         L69921         3514         LR32159         35305         LR32159           5542         F76964         L832159         9354         E27769         L69921         3514         L82159         35307         LR32159           5545         F769						LR29921					_	
5235   F76984   Bi23159   9253   E22769   L62921   35100   Bi23159   35300   Bi23159   S5301   Bi23159   S5301   Bi23159   S5301   Bi23159   S5302   Bi23159   S5303   F76984   Bi23159   9306   E22769   L62921   35136   Bi23159   S5302   Bi23159   S5303   Bi23159   S5303   Bi23159   S5303   Bi23159   S5304   Bi23159   S5304   Bi23159   S5305   Bi23159   Bi23159   S5305   Bi23159   Bi23159   Bi23159   S5305   Bi23159											_	
5563         F76964         LR2159         9253         E22769         LR29921         3515         — LR32159         33302         — LR32159           5536         F76964         LR32159         9308         E22769         LR29921         35135         — LR32159         35304         — LR32159           5539         F76964         LR32159         9358         E22769         LR29921         35137         — LR32159         35304         — LR32159           5540         F76964         LR32159         9365         E22769         LR29921         35133         — LR32159         35306         — LR32159           5541         F76964         LR32159         9383         E22769         LR29921         35134         — LR32159         35306         — LR32159           5543         F76964         LR32159         9384         E22769         LR29921         35140         — LR32159         35306         — LR32159           5544         F76964         LR32159         9384         E22769         LR29211         35140         — LR32159         35300         — LR32159           5546         F76964         LR32159         15050         E22769         LR29221         35140         — LR32159         35301	5535	E76954				LR29921			LR32159		_	
5338         E76964         LR22159         9308         E22769         LR29921         35137         — LR22159         3530         — LR2159           5540         E76964         LR2159         9363         E22769         LR29921         35133         — LR2159         35306         — LR2159           5541         E76964         LR2159         9987         E22769         — 35133         — LR2159         35306         — LR2159           5542         E76964         LR2159         9383         E22769         LR29921         35140         — LR2159         35306         — LR2159           5544         E76964         LR2159         9384         E22769         LR29921         35140         — LR2159         35306         — LR2159           5546         E76964         LR2159         15064         E66508         — 35144         — LR2159         35301         — LR2159           5546         E76964         LR2159         31550         — 168837         35146         — 1822159         35330         — LR2159           5547         E76964         LR2159         31560         — 108837         35166         — 1822159         35331         — LR2159           5549         E76964 <td< td=""><td>5536</td><td> E76954</td><td>LR32159</td><td>9253</td><td> E22769</td><td>LR29921</td><td></td><td></td><td>LR32159</td><td>35301</td><td>_</td><td></td></td<>	5536	E76954	LR32159	9253	E22769	LR29921			LR32159	35301	_	
5546   F76954   R32159   9963   E22769   LE99212   35133   — LB32159   35306   — LB32159   5541   F76954   LB32159   9967   E22769   — 35139   — LB32159   35306   — LB32159   5542   F76954   LB32159   9385   E22769   — 35144   — LB32159   35306   — LB32159   5543   F76954   LB32159   9385   E22769   — 35144   — LB32159   35306   — LB32159   5544   F76954   LB32159   9385   E22769   — 35144   — LB32159   35306   — LB32159   5545   F76954   LB32159   9394   E22769   — 35144   — LB32159   35306   — LB32159   5546   F76954   LB32159   20054   E66508   — 35144   — LB32159   35301   — LB32159   5546   F76954   LB32159   20054   E66508   — 35144   — LB32159   35303   — LB32159   5546   F76954   LB32159   31550   E10176   LB6373   35165   — LB32159   35303   — LB32159   5546   F76954   LB32159   31550   E10176   LB6373   35165   — LB32159   35303   — LB32159   5556   F76954   LB32159   31552   — LB6373   35165   — LB32159   35303   — LB32159   5556   F76954   LB32159   31563   E10176   LB6373   35166   — LB32159   35303   — LB32159   5556   F76954   LB32159   31504   E10176   LB6373   35166   — LB32159   35303   — LB32159   5555   F76954   LB32159   32547   E10176   LB6373   35166   — LB32159   35303   — LB32159   5555   F76954   LB32159   32547   E10176   LB6373   35166   — LB32159   35303   — LB32159   5555   F76954   LB32159   32547   E10176   LB6373   35170   — LB22159   35333   — LB32159   5555   F76954   LB32159   32547   E10176   LB6373   35170   — LB32159   35333   — LB32159   5555   F76954   LB32159   32547   E10176   LB6373   35171   — LB32159   35333   — LB32159   3555   E76954   LB32159   32547   E10176   LB6373   35170   — LB32159   35333   — LB32159   3555   E76954   LB32159   32545   — LB32159   3556   —	5537	E76954	LR32159	9306	E22769	LR29921	35135	_	LR32159	35302	_	LR32159
5540         E76964         LE32159         9963         E22769         C         22769         25133         —         LR32159         3506         —         L82159           5542         E7694         L832159         9383         E22769         R9291         35141         —         LR32159         35306         —         L82159           5544         E7694         L832159         3934         E22769         —         182159         35000         —         L82159           5545         E7694         L832159         1504         —         LR32159         35000         —         L82159           5546         E7694         L832159         1504         —         B66308         —         35144         —         LR32159         3510         —         L82159           5546         E7694         L832159         31552         —         LR8837         35145         —         LR32159         35331         —         L82159           5540         E7694         L832159         31562         E10176         LR8837         35166         —         LR32159         35331         —         L82159         55331         —         L82159         35334         —			LR32159				35136	_			_	
5-64   F.76954   LR32159   9387   E.22769   LR32159   S5140   LR32159   S5306   LR32159   S544   F.76954   LR32159   9385   E.22769   LR32159   S544   LR32159   S5308   LR32159   S545   LR32159   S545   LR32159   S546   E.76954   LR32159   S566   E.76954   LR321											_	
5542 F.76954 LR32159 9383 E.22769 LR9921 55141 — LR32159 55070 — LR32159 5544 F.76954 LR32159 3934 E.22769 — S5141 — LR32159 55090 — LR32159 5546 F.76954 LR32159 15064 — F.66308 — 35141 — LR32159 55090 — LR32159 5546 F.76954 LR32159 15064 — F.66308 — 35141 — LR32159 53090 — LR32159 5546 F.76954 LR32159 15050 — F.0176 LR837 35141 — LR32159 53300 — LR32159 5547 F.76954 LR32159 15155 — LR8317 35145 — LR32159 53300 — LR32159 5548 F.76954 LR32159 31552 — LR8317 35145 — LR32159 53331 — LR32159 5549 F.76954 LR32159 15155 — F.0176 LR837 35169 — LR32159 53332 — LR32159 5550 F.76954 LR32159 31558 — F.0176 LR837 35169 — LR32159 35331 — LR32159 5551 F.76954 LR32159 31594 — F.0176 LR837 35169 — LR32159 35335 — LR32159 5552 F.76954 LR32159 32555 — F.0176 LR837 35169 — LR32159 35335 — LR32159 5555 F.76954 LR32159 32555 — R.0176 LR837 35169 — LR32159 35335 — LR32159 5555 F.76954 LR32159 32555 — R.0837 35170 — LR32159 35336 — LR32159 5555 F.76954 LR32159 32555 — LR8357 35170 — LR32159 35336 — LR32159 5555 F.76954 LR32159 32555 — LR8357 35170 — LR32159 35336 — LR32159 5556 F.76954 LR32159 32706 — R.08357 35171 — LR32159 35330 — LR32159 5556 F.76954 LR32159 32706 — LR8357 35171 — LR32159 35330 — LR32159 5556 F.76954 LR32159 32706 — R.08357 35171 — LR32159 35340 — LR32159 5556 F.76954 LR32159 34046 — LR8837 35174 — LR32159 35426 — LR32159 5566 F.76954 LR32159 34046 — LR8837 35176 — LR32159 35426 — LR32159 5566 F.76954 LR32159 33000 — LR32159 35175 — LR32159 35426 — LR32159 5566 F.76954 LR32159 33000 — LR32159 35197 — LR32159 35426 — LR32159 5560 F.76954 LR32159 33000 — LR32159 35197 — LR32159 35426 — LR32159 5560 F.76954 LR32159 33001 — LR32159 35197 — LR32159 35426 — LR32159 5560 F.76954 LR32159 33001 — LR32159 35190 — LR32159 35426 — LR32159 5560 F.76954 LR32159 33001 — LR32159 35190 — LR32159 35426 — LR32159 5560 F.76954 LR32159 33001 — LR32159 35200 — LR32159 35440 — LR32159 5560 F.76954 LR32159 33001 — LR32159 35200 — LR32159 35440 — LR32159 5577 F.76954 LR32159 33001 — LR32159 35200 — LR32159 35440 — LR32159 5577 F.76954 LR3						LR29921					_	
5543         F78954         LR32199         9384         E22789         LR32199         334         E22789         LR32199         3344         E22789         LR32159         3309         —         LR32159         5545         F78954         LR32159         20054         E66308         —         35143         —         LR32159         33310         —         LR32159         5547         F78954         LR32159         31550         —         LR32159         35333         —         LR32159         5547         F78954         LR32159         31550         —         LR83159         35165         —         LR32159         35333         —         LR32159         5548         F78954         LR32159         31565         —         LR83159         35166         —         LR32159         35334         —         LR32159         5556         F78954         LR32159         31593         E10176         LR8837         35166         —         LR32159         35343         —         LR32159         5555         F78954         LR32159         33343         —         LR32159         5555         F78954         LR32159         32547         E10176         LR8837         35166         —         LR32159         33534         —											_	
5544         C78954         LR32199         9394         E22769         LR3219         55165         E6808         —         35143         —         LR32159         35300         —         LR32159           5546         C78954         LR32159         21055         E61076         LR32159         35134         —         LR32159         35330         —         LR32159           5548         C78954         LR32159         31550         E10176         LR8377         35145         —         LR32159         33331         —         LR32159           5549         C78954         LR32159         31550         E10176         LR8377         35165         —         LR32159         33333         —         LR32159           5550         C78054         LR32159         31593         E10176         LR8377         35160         —         LR32159         33334         —         LR32159           5550         C78054         LR32159         31594         E10176         LR8377         35160         —         LR32159         33336         —         LR32159           5552         C78054         LR32159         32505         —         LR08377         35160         —         LR32159<						LR29921					_	
5546         C78954         LR32199         15054         E66308         —         35144         —         LR32159         33330         —         LR32159           5547         C78954         LR32159         31550         —         LR32159         31552         —         LR32159         33331         —         LR32159         5549         F78954         LR32159         31552         —         LR8317         55165         —         LR32159         33332         —         LR32159         5550         F78954         LR32159         31565         —         LR32159         33333         —         LR32159         5550         F78954         LR32159         31593         E10176         LR8837         35166         —         LR32159         33335         —         LR32159         3555         —         LR32159         33335         —         LR32159         3555         —         LR83179         33335         —         LR32159         3556         —         LR83179         33335         —         LR32159         33336         —         LR32159         3536         —         LR32159         33336         —         LR32159         3536         —         LR32159         3536         —         LR3						I R20021						
5546         E76954         LR32199         3500         E1076         LR83219         35333         — LR32199           5548         E76954         LR32159         31550         E1076         LR837         35165         — LR32159         35333         — LR32159           5549         E76954         LR32159         31585         — E1076         LR8373         35166         — LR32159         35333         — LR32159           5550         E76954         LR32159         31593         E10176         LR6837         35167         — LR32159         35334         — LR32159           5551         E76954         LR32159         31594         E10176         LR6837         35167         — LR32159         35335         — LR32159           5552         E76954         LR32159         32550         — LR6837         35170         — LR32159         35333         — LR32159           5555         E76954         LR32159         32563         — LR6837         35170         — LR32159         35333         — LR32159           5556         E76954         LR32159         32747         E10176         LR6837         35172         — LR32159         35434         — LR32159           5556         E76954 <td></td>												
5547         E76854         LR32159         31550         E10176         LR8827         35145         —         LR32159         35332         —         LR32159           5548         E76894         LR32159         31585         —         LR82159         35332         —         LR32159           5550         E76894         LR32159         31583         —         LR32159         35333         —         LR32159           3552         E76894         LR32159         31593         —         LR32159         35333         —         LR32159           3552         E76894         LR32159         31594         —         LR0837         35168         —         LR32159         35335         —         LR32159           3552         E76894         LR32159         32547         —         LR0837         35170         —         LR32159         33333         —         LR32159           5555         E76894         LR32159         32576         —         LR0837         35170         —         LR32159         33333         —         LR32159           5556         E76894         LR32159         32768         —         LR0837         35170         —         LR32159											_	
5548         E76954         LR32199         31562         — LR8217         35166         — LR32199         35333         — LR32199           5550         E76954         LR32159         31593         — E10176         LR8837         35167         — LR32199         33334         — LR32159           5551         E76954         LR32159         31594         — E10176         LR8837         35168         — LR32159         35336         — LR32159           5552         E76954         LR32159         32550         — LR0837         35169         — LR32159         35336         — LR32159           5553         E76954         LR32159         32550         — LR0837         35171         — LR32159         33337         — LR32159           5555         E76964         LR32159         32768         — LR0837         35174         — LR32159         33334         — LR32159           5556         E76964         LR32159         32768         — LR0837         35173         — LR32159         33344         — LR32159           5557         E76964         LR32159         32747         — E10176         LR0837         35174         — LR32159         3542         — LR32159           5558         E76964											_	
5549         E76954         LR32159         31565         E10176         LR6837         35167         — LR32159         35333         — LR32159           5551         E76954         LR32159         31594         E10176         LR6837         35168         — LR32159         35335         — LR32159           5552         E76954         LR32159         32547         E10176         LR6837         35168         — LR32159         3535         — LR32159           5552         E76954         LR32159         32550         — LR6837         35170         — LR32159         33337         — LR32159           5554         E76954         LR32159         32250         — LR6837         35171         — LR32159         33339         — LR32159           5555         E76954         LR32159         32706         — LR6837         35173         — LR32159         33309         — LR32159           5557         E76954         LR32159         32747         E10176         LR6837         35173         — LR32159         33426         — LR32159           5559         E76954         LR32159         34047         — LR6837         35175         — LR32159         35426         — LR32159           5559         E7											_	
5551         E76964         LB32159         31594         E10176         LR8837         35168         —         LR32159         33336         —         LR32159           5552         E76954         LB32159         32550         —         LR6837         35170         —         LR32159         33336         —         LR32159           5554         E76954         LR32159         32550         —         LR6837         35170         —         LR32159         3333         —         LR32159           5555         E76954         LR32159         32706         —         LR6837         35173         —         LR32159         33339         —         LR32159           5556         E76954         LR32159         32708         E10176         LR6837         35173         —         LR32159         33426         —         LR32159           5557         E76954         LR32159         34047         —         LR6837         35175         —         LR32159         35426         —         LR32159           5560         E76954         LR32159         35001         —         LR6837         35196         —         LR32159         35422         —         LR32159      <											_	
5552         E76954         LR32159         32550         — LR8837         35169         — LR32159         35336         — LR32159           5553         E76954         LR32159         32550         — LR8837         35170         — LR32159         35337         — LR32159           5556         E76954         LR32159         32706         — LR6837         35172         — LR32159         35339         — LR32159           5556         E76954         LR32159         32706         — LR6837         35173         — LR32159         35339         — LR32159           5557         E76954         LR32159         32747         E10176         LR6837         35174         — LR32159         35246         — LR32159           5559         E76954         LR32159         34047         — LR6837         35175         — LR32159         35427         — LR32159           5560         E76954         LR32159         34547         — LR6837         35196         — LR32159         35427         — LR32159           5561         E76954         LR32159         35001         — LR32159         35197         — LR32159         35402         — LR32159           5562         E76954         LR32159         35001	5550	E76954	LR32159	31593	E10176	LR6837	35167	_	LR32159	35334	_	LR32159
5553         E76994         LR32159         32550         — LR6837         35170         — LR32159         35337         — LR32159           5554         E76954         LR32159         32706         — LR6837         35172         — LR32159         35338         — LR32159           5556         E76954         LR32159         32708         E10176         LR6837         35172         — LR32159         35338         — LR32159           5556         E76954         LR32159         32747         F01076         LR6837         35174         — LR32159         35425         — LR32159           5556         E76954         LR32159         34047         — LR6837         35175         — LR32159         35426         — LR32159           5560         E76954         LR32159         34547         — LR6837         35196         — LR32159         35428         — LR32159           5560         E76954         LR32159         35001         — LR32159         35196         — LR32159         35428         — LR32159           5561         E76954         LR32159         35001         — LR32159         35198         — LR32159         35428         — LR32159           5562         E76954         LR32159	5551	E76954	LR32159	31594	E10176	LR6837	35168	_	LR32159	35335	_	LR32159
5554         F7894         LR32159         32563         —         LR6837         35171         —         LR32159         35338         —         LR32159           5556         E78954         LR32159         32708         E10176         LR6837         35173         —         LR32159         35340         —         LR32159           5557         E78954         LR32159         32747         E10176         LR6837         35173         —         LR32159         3540         —         LR32159           5558         E78954         LR32159         34047         —         LR6837         35175         —         LR32159         35426         —         LR32159           5559         E78954         LR32159         34048         —         LR6837         35196         —         LR32159         35427         —         LR32159           5561         E78954         LR32159         35001         —         LR32159         35197         —         LR32159         35429         —         LR32159           5562         E78954         LR32159         35000         —         LR32159         35197         —         LR32159         35430         —         LR32159											_	
5555         F76954         LR32159         32706         — LR6837         35172         — LR32159         35339         — LR32159           5556         E76954         LR32159         32747         E10176         LR6837         35173         — LR32159         35425         — LR32159           5556         E76964         LR32159         34047         — LR6837         35175         — LR32159         35426         — LR32159           5559         E76964         LR32159         34048         — LR6837         35195         — LR32159         35427         — LR32159           5560         E76954         LR32159         34547         — LR6837         35196         — LR32159         35428         — LR32159           5561         E76954         LR32159         35001         — LR32159         35197         — LR32159         35428         — LR32159           5562         E76954         LR32159         35002         — LR32159         35198         — LR32159         35430         — LR32159           5568         E76954         LR32159         35006         — LR32159         35199         — LR32159         35433         — LR32159           5568         E76954         LR32159         35006											_	
6556         E76954         LR32159         32708         E10176         LR6837         35173         — LR32159         35340         — LR32159           5557         E76954         LR32159         34047         — LR6837         35175         — LR32159         35426         — LR32159           5559         E76954         LR32159         34048         — LR6837         35195         — LR32159         35427         — LR32159           5560         E76954         LR32159         34044         — LR6837         35196         — LR32159         35427         — LR32159           5561         E76954         LR32159         35001         — LR32159         35197         — LR32159         35428         — LR32159           5562         E76954         LR32159         35002         — LR32159         35199         — LR32159         35431         — LR32159           5568         E76954         LR32159         35004         — LR32159         35200         — LR32159         35431         — LR32159           5569         E76954         LR32159         35005         — LR32159         35200         — LR32159         35432         — LR32159           5571         E76954         LR32159         35007											_	
6557         E76954         LR32159         32747         E10176         LR6837         35174         — LR32159         35425         — LR32159           5558         E76954         LR32159         34047         — LR6837         35195         — LR32159         35426         — LR32159           5560         E76954         LR32159         34647         — LR6837         35196         — LR32159         35428         — LR32159           5661         E76954         LR32159         35001         — LR32159         35197         — LR32159         35428         — LR32159           5562         E76954         LR32159         35002         — LR32159         35198         — LR32159         35430         — LR32159           5563         E76954         LR32159         35003         — LR32159         35199         — LR32159         35431         — LR32159           5569         E76954         LR32159         35005         — LR32159         35201         — LR32159         35432         — LR32159           5570         E76954         LR32159         35006         — LR32159         35202         — LR32159         35436         — LR32159           5571         E76954         LR32159         35000											_	
5558         E76954         LR32159         34047         — LR6837         35175         — LR32159         35426         — LR32159           5559         E76954         LR32159         34048         — LR6837         35196         — LR32159         35427         — LR32159           5660         E76954         LR32159         35001         — LR32159         35196         — LR32159         35428         — LR32159           5661         E76954         LR32159         35001         — LR32159         35197         — LR32159         35428         — LR32159           5662         E76954         LR32159         35003         — LR32159         35198         — LR32159         35430         — LR32159           5668         E76954         LR32159         35004         — LR32159         35200         — LR32159         35431         — LR32159           5569         E76954         LR32159         35006         — LR32159         35200         — LR32159         35433         — LR32159           5570         E76954         LR32159         35007         — LR32159         35202         — LR32159         35436         — LR32159           5571         E76954         LR32159         35009         — LR32159 </td <td></td> <td>_</td> <td></td>											_	
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6561         E76954         LR32159         35001         —         LR32159         35197         —         LR32159         35429         —         LR32159           5662         E76954         LR32159         35002         —         LR32159         35199         —         LR32159         35431         —         LR32159           5568         E76954         LR32159         35004         —         LR32159         35200         —         LR32159         35432         —         LR32159           5669         E76954         LR32159         35006         —         LR32159         35001         —         LR32159         35432         —         LR32159           5670         E76954         LR32159         35006         —         LR32159         35202         —         LR32159         35435         —         LR32159           5571         E76954         LR32159         35007         —         LR32159         35203         —         LR32159         35436         —         LR32159           5572         E76954         LR32159         35009         —         LR32159         35204         —         LR32159         35436         —         LR32159 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td><td></td></tr<>											_	
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5569         E76954         LR32159         35005         —         LR32159         35201         —         LR32159         35433         —         LR32159           5570         E76954         LR32159         35006         —         LR32159         35202         —         LR32159         35435         —         LR32159           5571         E76954         LR32159         35007         —         LR32159         35203         —         LR32159         35436         —         LR32159           5572         E76954         LR32159         35008         —         LR32159         35204         —         LR32159         35437         —         LR32159           5573         E76954         LR32159         35009         —         LR32159         35225         —         LR32159         35440         —         LR32159           5576         E76954         LR32159         35030         —         LR32159         35226         —         LR32159         35440         —         LR32159           5576         E76954         LR32159         35030         —         LR32159         35227         —         LR32159         35442         —         LR32159 <tr< td=""><td></td><td></td><td>LR32159</td><td>35003</td><td> —</td><td>LR32159</td><td>35199</td><td>_</td><td>LR32159</td><td>35431</td><td>_</td><td></td></tr<>			LR32159	35003	—	LR32159	35199	_	LR32159	35431	_	
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5572         E76954         LR32159         35008         —         LR32159         35204         —         LR32159         35437         —         LR32159           5573         E76954         LR32159         35009         —         LR32159         35205         —         LR32159         35440         —         LR32159           5574         E76954         LR32159         35010         —         LR32159         35226         —         LR32159         35441         —         LR32159           5575         E76954         LR32159         35030         —         LR32159         35227         —         LR32159         35441         —         LR32159           5576         E76954         LR32159         35031         —         LR32159         35228         —         LR32159         35442         —         LR32159           5577         E76954         LR32159         35031         —         LR32159         35228         —         LR32159         35442         —         LR32159           5580         —         LR32159         35032         —         LR32159         35228         —         LR32159         35444         —         LR32159											_	
5573         E76954         LR32159         35009         —         LR32159         35205         —         LR32159         35438         —         LR32159           5574         E76954         LR32159         35010         —         LR32159         35225         —         LR32159         35440         —         LR32159           5575         E76954         LR32159         35030         —         LR32159         35226         —         LR32159         35441         —         LR32159           5576         E76954         LR32159         35030         —         LR32159         35227         —         LR32159         35442         —         LR32159           5577         E76954         LR32159         35031         —         LR32159         35228         —         LR32159         35442         —         LR32159           5580         —         LR32159         35032         —         LR32159         35230         —         LR32159         35444         —         LR32159           5581         —         LR32159         35033         —         LR32159         35230         —         LR32159         35446         —         LR32159											_	
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5575         E76954         LR32159         35011         —         LR32159         35226         —         LR32159         35441         —         LR32159           5576         E76954         LR32159         35030         —         LR32159         35227         —         LR32159         35442         —         LR32159           5577         E76954         LR32159         35031         —         LR32159         35228         —         LR32159         35443         —         LR32159           5580         —         LR32159         35032         —         LR32159         35244         —         LR32159           5581         —         LR32159         35033         —         LR32159         35230         —         LR32159         35444         —         LR32159           5582         —         LR32159         35035         —         LR32159         35232         —         LR32159         35446         —         LR32159           5584         —         LR32159         35035         —         LR32159         35232         —         LR32159         35447         —         LR32159           5585         —         LR32159         35036 </td <td></td> <td>_</td> <td></td>											_	
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5577         E76954         LR32159         35031         —         LR32159         35228         —         LR32159         35443         —         LR32159           5580         —         LR32159         35032         —         LR32159         35229         —         LR32159         35444         —         LR32159           5581         —         LR32159         35033         —         LR32159         35230         —         LR32159         35445         —         LR32159           5582         —         LR32159         35034         —         LR32159         35231         —         LR32159         35446         —         LR32159           5583         —         LR32159         35035         —         LR32159         35232         —         LR32159         35447         —         LR32159           5584         —         LR32159         35036         —         LR32159         35233         —         LR32159         35448         —         LR32159           5586         —         LR32159         35037         —         LR32159         35234         —         LR32159         35450         —         LR32159           5587											_	
5581         —         LR32159         35033         —         LR32159         35230         —         LR32159         35445         —         LR32159           5582         —         LR32159         35034         —         LR32159         35231         —         LR32159         35446         —         LR32159           5583         —         LR32159         35035         —         LR32159         35447         —         LR32159           5584         —         LR32159         35036         —         LR32159         35232         —         LR32159         35448         —         LR32159           5585         —         LR32159         35037         —         LR32159         35234         —         LR32159         35450         —         LR32159           5586         —         LR32159         35038         —         LR32159         35235         —         LR32159         35450         —         LR32159           5587         —         LR32159         35039         —         LR32159         35270         —         LR32159         35452         —         LR32159           5620         E76954         LR32159         35060	5577	E76954	LR32159							35443	_	
5582         —         LR32159         35034         —         LR32159         35231         —         LR32159         35446         —         LR32159           5583         —         LR32159         35035         —         LR32159         35232         —         LR32159         35447         —         LR32159           5584         —         LR32159         35036         —         LR32159         35233         —         LR32159         35448         —         LR32159           5585         —         LR32159         35037         —         LR32159         35234         —         LR32159         35450         —         LR32159           5586         —         LR32159         35038         —         LR32159         35235         —         LR32159         35451         —         LR32159           5587         —         LR32159         35039         —         LR32159         35270         —         LR32159         35452         —         LR32159           5620         E76954         LR32159         35060         —         LR32159         35271         —         LR32159         35453         —         LR32159           5622	5580	—	LR32159	35032	—	LR32159	35229	_	LR32159	35444	_	LR32159
5583         —         LR32159         35035         —         LR32159         35232         —         LR32159         35447         —         LR32159           5584         —         LR32159         35036         —         LR32159         35233         —         LR32159         35448         —         LR32159           5585         —         LR32159         35037         —         LR32159         35234         —         LR32159         35450         —         LR32159           5586         —         LR32159         35038         —         LR32159         35451         —         LR32159           5587         —         LR32159         35039         —         LR32159         35270         —         LR32159         35452         —         LR32159           5620         E76954         LR32159         35040         —         LR32159         35271         —         LR32159         35453         —         LR32159           5621         E76954         LR32159         35060         —         LR32159         35272         —         LR32159         35850         —         LR32159           5622         E76954         LR32159         35061 </td <td>5581</td> <td> —</td> <td>LR32159</td> <td>35033</td> <td> —</td> <td>LR32159</td> <td>35230</td> <td>_</td> <td>LR32159</td> <td></td> <td></td> <td>LR32159</td>	5581	—	LR32159	35033	—	LR32159	35230	_	LR32159			LR32159
5584         —         LR32159         35036         —         LR32159         35233         —         LR32159         35448         —         LR32159           5585         —         LR32159         35037         —         LR32159         35234         —         LR32159         35450         —         LR32159           5586         —         LR32159         35038         —         LR32159         35235         —         LR32159         35451         —         LR32159           5687         —         LR32159         35039         —         LR32159         35270         —         LR32159         35452         —         LR32159           5620         E76954         LR32159         35040         —         LR32159         35271         —         LR32159         35453         —         LR32159           5621         E76954         LR32159         35060         —         LR32159         35272         —         LR32159         35850         —         LR32159           5623         E76954         LR32159         35062         —         LR32159         35273         —         LR32159         35865         —         LR32159           5624 </td <td></td>												
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5586         —         LR32159         35038         —         LR32159         35235         —         LR32159         35451         —         LR32159           5587         —         LR32159         35039         —         LR32159         35270         —         LR32159         35452         —         LR32159           5620         E76954         LR32159         35040         —         LR32159         35271         —         LR32159         35453         —         LR32159           5621         E76954         LR32159         35060         —         LR32159         35272         —         LR32159         35851         —         LR32159           5622         E76954         LR32159         35061         —         LR32159         35273         —         LR32159         35851         —         LR32159           5623         E76954         LR32159         35062         —         LR32159         35274         —         LR32159         35865         —         LR32159           5624         E76954         LR32159         35063         —         LR32159         35275         —         LR32159         35866         —         LR32159											_	
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5620         E76954         LR32159         35040         —         LR32159         35271         —         LR32159         35453         —         LR32159           5621         E76954         LR32159         35060         —         LR32159         35272         —         LR32159         35850         —         LR32159           5622         E76954         LR32159         35061         —         LR32159         35273         —         LR32159         35851         —         LR32159           5623         E76954         LR32159         35062         —         LR32159         35274         —         LR32159         35865         —         LR32159           5624         E76954         LR32159         35063         —         LR32159         35275         —         LR32159         35866         —         LR32159           5625         E76954         LR32159         35064         —         LR32159         35276         —         LR32159         35867         —         LR32159											_	
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5624       E76954       LR32159       35063       —       LR32159       35275       —       LR32159       35866       —       LR32159         5625       E76954       LR32159       35064       —       LR32159       35276       —       LR32159       35867       —       LR32159												
5625         E76954         LR32159         35064         —         LR32159         35276         —         LR32159         35867         —         LR32159												
5666			LR32159			LR32159					_	LR32159
	5666	E10176	LR6837	35065	—	LR32159	35277	_	LR32159	35868	_	LR32159

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PART NO.	UL	CSA	PART NO.	UL	CSA	PART NO.	UL	CSA	PART NO.	UL	CSA
35869	_	LR32159	35972	_	LR32159	36271	E76954	LR32159	36404	E61303	LR32159
35870	_	LR32159		_	LR32159	36272		LR32159	36405		LR32159
35871	_	LR32159	35974	_	LR32159	36273		LR32159	36430		LR32159
		LR32159			LR32159			LR32159			LR32159
35872	_			_		36274			36431		
35873	_	LR32159		_	LR32159	36275		LR32159	36432		LR32159
35874	_	LR32159	35980	_	LR32159	36276		LR32159	36436		LR32159
35875	_	LR32159	35990	_	LR32159	36277		LR32159	36437		LR32159
35880	_	LR32159		_	LR32159	36278		LR32159	36438		LR32159
35881	_	LR32159	36102	_	LR32159	36279		LR32159	36440		LR32159
35882	_	LR32159	36103	_	LR32159	36280		LR32159	36442		LR32159
35883	_	LR32159	36104	_	LR32159	36282	E76954	LR32159	36443	E61303	LR32159
35884	_	LR32159	36105	_	LR32159	36284	E76954	LR32159	36469	E76954	LR32159
35885	_	LR32159	36106	_	LR32159	36286	E76954	LR32159	36470	E76954	LR32159
35886	_	LR32159	36107	_	LR32159	36287	E76954	LR32159	36471	E76954	LR32159
35887	_	LR32159	36108	_	LR32159	36288	E76954	LR32159	36472	E76954	LR32159
35897	_	LR32159	36109	_	LR32159	36289	E76954	LR32159	36473	E76954	LR32159
35898	_	LR32159	36111	_	LR32159	36290	E76954	LR32159	36475	E76954	LR32159
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35901	_	LR32159	36113	_	LR32159	36294		LR32159	36477		LR32159
35902	_	LR32159	36114	_	LR32159	36296		LR32159	36478		LR32159
35903	_	LR32159	36115	_	LR32159	36298		LR32159	36479		LR32159
35904	_	LR32159		_	LR32159	36300		LR32159	36480		LR32159
35905	_	LR32159	36117	_	LR32159	36302		LR32159	36481		LR32159
35906		LR32159	36118		LR32159	36310		LR32159	36482		LR32159
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35907	_	LR32159	36120	_	LR32159				36483		LR32159
35908	_	LR32159	36121	_	LR32159	36314		LR32159	36484		LR32159
35909		LR32159	36122	_	LR32159	36316		LR32159	36485		LR32159
35910	_	LR32159		_	LR32159	36317		LR32159	36486		LR32159
35911	_	LR32159	36124	_	LR32159	36319		LR32159	36487		LR32159
35912	_	LR32159	36125	_	LR32159	36321		LR32159	36488		LR32159
35913	_	LR32159		_	LR32159	36323		LR32159	36489		LR32159
35914	_	LR32159	36127	_	LR32159	36326		LR32159	36490		LR32159
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35916	_	LR32159		_	LR32159	36330		LR32159	36497		LR32159
35917	_	LR32159	36131	_	LR32159	36340		LR32159	36498		LR32159
35918	_	LR32159		_	LR32159	36342		LR32159	36499		LR32159
35919	_	LR32159	36133	_	LR32159	36344		LR32159	36500		LR32159
35930	_	LR32159	36134	_	LR32159	36346		LR32159	36501		LR32159
35931	_	LR32159	36135	_	LR32159	36347		LR32159	36503		LR32159
35932	_	LR32159	36136	_	LR32159	36349	E76954	LR32159	36505	E76954	LR32159
35933	_	LR32159	36137	_	LR32159	36351		LR32159	36506		LR32159
35934	_	LR32159	36140	_	LR32159	36353	E76954	LR32159	36508		LR32159
35935	_	LR32159	36141	_	LR32159	36355	E76954	LR32159	36512	E76954	LR32159
35940	_	LR32159	36142	_	LR32159	36357	E76954	LR32159	36513	—	LR32159
35941	_	LR32159	36143	_	LR32159	36359	E76954	LR32159	36514	—	LR32159
35942	_	LR32159	36144	_	LR32159	36361	E76954	LR32159	36515	E76954	LR32159
35943	_	LR32159	36145	_	LR32159	36362	E76954	LR32159	36516	E76954	LR32159
35944	_	LR32159	36146	_	LR32159	36363	E76954	LR32159	36517	E76954	LR32159
35945	_	LR32159	36147	_	LR32159	36364	E76954	LR32159	36518	E76954	LR32159
35946	_	LR32159	36148	_	LR32159	36370	E61303	LR32159	36519	E76954	LR32159
35947	_	LR32159		_	LR32159	36371		LR32159	36550		LR32159
35948	_	LR32159	36150	_	LR32159	36372		LR32159	36551		LR32159
35950	_	LR32159	36245	_	LR32159	36373	E61303	LR32159	36552		LR32159
35951	_	LR32159	36246	_	LR32159	36374		LR32159	36553		LR32159
35952	_	LR32159	36248	_	LR32159	36375		LR32159	36554		LR32159
35953	_	LR32159	00010	_	LR32159	36380	E01000	LR32159	36555		LR32159
35954	_	LR32159	36250 E7	6954	LR32159	36381		LR32159	36560		LR32159
35955	_	LR32159	36251 E7		LR32159	36382		LR32159	36562		LR32159
35956	_	LR32159	36254 E7		LR32159	36390		LR32159	36564		LR32159
35960	_	LR32159	36256 E7		LR32159	36391		LR32159	36567		LR32159
35961	_	LR32159	36257 E7		LR32159	36392		LR32159	36569		LR32159
35962	_	LR32159	36259 E7		LR32159	36393		LR32159	36571		LR32159
	_		36261 E7		LR32159 LR32159			LR32159 LR32159	36574		LR32159
35963		LR32159 LR32159			LR32159 LR32159	36394		LR32159 LR32159			
35964	_		36263 E7			36395			36580		LR32159 LR32159
35966	_	LR32159	36265 E7 36267 E7		LR32159 LR32159	36401		LR32159 LR32159	36582		
	_	LR32159	36269 E7		LR32159	36402		LR32159			LR32159
35970	_	LR32159 LR32159	36270 E7		LR32159	36403		LR32159	36587		LR32159 LR32159
00011		L110Z108	30210E/	0334	LIIOZ IOS	JU4UJ	LU 1303	L1102 108	30308	—	L110Z 108

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PART NO.	UL	CSA	PART NO.	UL	CSA	PART NO.	UL	CSA	PART NO.	UL	CSA
36591	_	LR32159	36829		LR32159	92681	_	LR29921	1003-3H0		LL85374
36594	_	LR32159	36830		LR32159	92702	_	LR29921	1003-3-P		LL85374
36610	_	LR32159	36831		LR32159	92712	_	LR29921	1005-3		LL85374
36611	_	LR32159	36834		LR32159	92725	_	LR29921	1013-3		LL85374
36612	_	LR32159 LR32159	36835		LR32159 LR32159	92726	_	LR29921 LR29921	1015-3. 102000A01F030		LL85374 LR6837
36614	_	LR32159	37031		LR32159	92733	_	LR29921	102000A011030		LR6837
36615	_	LR32159	37032		LR32159	92734	_	LR29921	102002A01F030		LR6837
36620	_	LR32159	37033		LR32159	92735	_	LR29921	102003A01F030		LR6837
36621	_	LR32159	37034	E61303	LR32159	92736	_	LR29921	1026-12	E174254	_
36622	_	LR32159	37035		LR32159	92742	_	LR29921	103000A01F030		LR6837
36623	_	LR32159	37036		LR32159	92743	_	LR29921	103000A45M005		LR6837
36624	_	LR32159	37037		LR32159	92744	_	LR29921	103000A46M005		LR6837
36625	_	LR32159 LR32159	37038		LR32159 LR32159	92745	_	LR29921 LR29921	103001A01F030 103001A45M005		LR6837 LR6837
36627	_	LR32159	37101		LR32159	92761	_	LR29921	103001A46M005		LR6837
36628	_	LR32159	37102		LR32159	92762	_	LR29921	103002A01F030		LR6837
36629	_	LR32159	37103	E61303	LR32159	92763	_	LR29921	103003A01F030	E46237	LR6837
36630	_	LR32159	37104		LR32159	92764	_	LR29921	103006A45M005		LR6837
36640	_	LR32159	37105		LR32159	92781	_	LR29921	103006A46M005		LR6837
36641	_	LR32159	37106		LR32159	92782	_	LR29921	103007A45M005		LR6837
36642	_	LR32159	40718		_	92783	_	LR29921	103007A46M005		LR6837
36643	_	LR32159 LR32159	40761		_	92784	_	LR29921 LL85374	104000A01F030 104000A45M005		LR6837 LR6837
36645	_	LR32159	40925		_	310143	_	LL85374	104000A46M005		LR6837
36646	_	LR32159	41048		_	310223	_	LL85374	104001A01F030		LR6837
36647	_	LR32159	41132	E46237	_	310243	_	LL85374	104001A45M005	E46237	LR6837
36648	_	LR32159	41212		_	310323	_	LL85374	104001A46M005		LR6837
36649	_	LR32159	41344		_	310423	_	LL85374	104002A01F030		LR6837
36650	_	LR32159	41481		_	320122	_	LL85374	104003A01F030		LR6837
36660	_	LR32159 LR32159	41593		 LR44136	320522	_	LL85374 LL85374	104006A45M005 104006A46M005		LR6837 LR6837
36662	_	LR32159	55503		LR44136	323123	_	LL85374 LL85374	104007A45M005		LR6837
36663	_	LR32159	55504		_	323124	_	LL85374	104007A46M005		LR6837
36664	_	LR32159	61430		LR39801	323125	_	LL85374	105000A01F030		LR6837
36665	_	LR32159	85000	E10176	LR6837	323126	_	LL85374	105001A01F030	E46237	LR6837
36670	_	LR32159	85002		LR6837	323133	_	LL85374	105002A01F030		LR6837
36671	_	LR32159	85050		LR6837	323134	_	LL85374	105002A01F060		LR6837
36672	_	LR32159 LR32159	85053		LR6837 —	323135	_	LL85374 LL85374	105003A01F030 1050-12		LR6837
36674	_	LR32159	85266		LR6837	323524	_	LL85374	1050-PL		_
36675	_	LR32159	85269		LR6837	323525	_	LL85374	1050-PL12		_
36676	_	LR32159	85366		LR6837	323526	_	LL85374	1051-PL		_
36680	_	LR32159	85369		_	323533	_	LL85374	1051-PL12		_
36681	_	LR32159	85433		LR6837	323534	_	LL85374	1052-PL		_
36682	_	LR32159	85447		LR6837	323535		LL85374	1052-PL12		
36683	_	LR32159	85547		LR6837	105101303 E		LR6837	105A163		LL85374
36684	_	LR32159 LR32159	92402		LR29921 LR29921	105101304 E 105101306 E		LR6837 LR6837	105S		LL85374 LR1533
36686	_	LR32159	92411		LR29921	105101308 E		LR6837	105SA163		LL85374
36690	_	LR32159	92433		LR29921	105101310 E		LR6837	105SB163		LL85374
36691	_	LR32159	92434		LR29921	105101312 E		LR6837	105U		LR1533
36692	_	LR32159	92443		LR29921	105101402 E		LR6837	105UA163		LL85374
36693	_	LR32159	92444		LR29921	105101403 E		LR6837	105UB163		LL85374
36694	_	LR32159	92463		LR29921 LR29921	105101404 E		LR6837	105US		LR1533
36695	_	LR32159 LR32159	92464		LR29921	105102303 E 105102304 E		LR6837 LR6837	105USA163 105USB163		LL85374 LL85374
36800	_	LR32159	92482		LR29921	105102306 E		LR6837	106000A01F030		LR6837
36801	_	LR32159	92483		LR29921	105102308 E		LR6837	106001A01F030		LR6837
36802	_	LR32159	92625	—	LR29921	105102310 E		LR6837	106002A01F030		LR6837
36803	_	LR32159	92631		LR29921	105102312 E		LR6837	106003A01F030		LR6837
36804	_	LR32159	92632		LR29921	105102402 E		LR6837	1060-PL		_
36805	_	LR32159	92633		LR29921	105102403 E		LR6837	1061-PL		_
36816	_	LR32159 LR32159	92641		LR29921 LR29921	105103306 E 105103402 E		LR6837 LR6837	1062-PL 106A163		— LL85374
36819	_	LR32159	92643		LR29921 LR29921	105103402 E		LR6837	106B163		LL85374 LL85374
36826	_	LR32159	92661		LR29921	105103404 E		LR6837	106S		LR1533
36827	_	LR32159	92663		LR29921	1003-3E		LL85374	106SA163		LL85374

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106SB163	—	LL85374	1203A163	—	LL85374	14W07_163	E38085	LR6837	1601-12A	E59049	LL85374
106U	E59251	LR1533	1203B163		LL85374	14W19		LR6837	1601-12B	E59049	LL85374
106UA163	—	LL85374	1203GC		LR1533	14W33	E10176	LR6837	1610S	E59049	LL85374
106UB163		LL85374	12031		LL85374	14W33_123	E38085	LR6837	1612S		LL85374
106US	E59251	LR1533	1203IA163	—	LL85374	14W33_143	E38085	LR6837	1621-12A	E59049	LL85374
106USA163	—	LL85374	1203IB163	—	LL85374	14W33EZ	E10176	LR6837	1621-12B	E59049	LL85374
106USB163	—	LL85374	1203IGC	E59251	LR1533	14W33-W	—	LL52750	1621-12B-P	E59049	_
1083-3	E59049	LL85374	1203Q0	—	LR1533	14W33-W-IN	—	LL52750	1625-12A	E59049	LL85374
1083-3-E	—	LL85374	1203Q0A163	—	LL85374	14W33-Y	—	LL52750	1625-12B	E59049	LL85374
1083-3M	E174254	LL85374	1203Q0B163	—	LL85374	14W33-Y-IN	—	LL52750	1631-12A	E59049	LL85374
1083-3MM	E174254	LL85374	1203Q0GC	—	LR1533	14W34	E10176	LR6837	1631-12B	E59049	LL85374
1083-3MM-24.	—	LL85374	1203R	—	LR1533	14W34_143		LR6837	1635-12A	E30252	LR39801
1083-3M-P	—	LL85374	1203RA163	—	LL85374	14W34_163	E38085	LR6837	1635-12B	E30252	LR39801
1083-3-P	<b>—</b>	LL85374	1203RB163	—	LL85374	14W47	E10176	LR6837	1638-12	—	LL85374
1085-3		LL85374	1203RGC		LR1533	14W47_143		LR6837	1639-12		LL85374
1085-3-P		LL85374	1203RI		LR1533	14W47_163		LR6837	1643-12		LL85374
1086-3		LL85374	1203RIA163		LL85374	14W47EZ		LR6837	1644-12		LL85374
1086-3-E		LL85374	1203RIB163		LL85374	14W47-Y		LL52750	1645-12		LR39801
1087-3		LL85374	1203RIGC		LR1533	14W47-Y-IN		LL52750	1646-12		LL85374
1087-3-E		LL85374	1207A163		LL85374	14W48		LR6837	1647-12		LL85374
1090-HZ		LR39801	1207B163		LL85374	14W48_123		LR6837	1648-12B		LL85374
1090-HZ12A163		LR39801	1207GC		LR1533	14W48_143		LR6837	1649-12		LL85374
1090-HZ12B163		LR39801	1207R		LR1533	14W48-W		LL52750	1682S		LL85374
1090-HZ12IA163		LR39801	1207RA163		LL85374	14W48-W-IN		LL52750	1684S		LL85374
1090-HZ12IB16		LR39801	1207RB163		LL85374	14W48-Y		LL52750	1691-12		LL85374
1090-HZ12IB16		LR39801	1207RGC		LR1533	14W48-Y-IN		LL52750	1691-12B		LL85374
1090-HZ12ID14		LR39801	1404_142		LR6837	14W49		LR6837	1691-12BS		LL85374
1090-HZ12ID14		LR39801	1404_162		LR6837	14W49_143		LR6837	1692-12B		LL85374
1090-HZA163		LR39801	1404MB		LR6837	14W49_163		LR6837	1692-12BS		LL85374
1090-HZB163		LR39801	1407_143		LR6837	1504MB		LR6837	1913SA		LL85374
1090-HZD163 .		LR39801	1407_163		LR6837	15050-1		_	1913SB		LL85374
1093-3		LL85374	1433_123		LR6837	15050-25		_	1926SA		LL85374
1093-3-E		LL85374	1433_143		LR6837	15050-25TT		_	1926SB		LL85374
1093-3M		LL85374	1433EZ		LR6837	15050-3TT		_	1940SA		LL85374
1093-3MM		LL85374	1433MB		LR6837	15050-50TT		_	1940SB		LL85374
1095-3		LL85374	1433-W		LL52750	15050-6		_	1A3000-34		LR6837
1097-3 1097-3-E		LL85374 LL85374	1433-W-IN 1433-Y		LL52750 LL52750	15050-6TT 15051-1		_	1A5000-34 1R2004A20A120		LR6837 LR6837
1097-3-E		LL85374 LL85374	1433-Y-IN		LL52750	15051-1		_	1R2004A20A120		LR6837
1097-3MM		LL85374	1434_143		LR6837	15051-6		_	1R3000A20A120		LR6837
1099-3		LL85374	1434_163		LR6837	15052-1		_	1R3000A20A120		LR6837
1099-3-E		LL85374	1434MB		LR6837	15052-25.		_	1R3000A28A010		LR6837
112020A01F030		LR6837	1447_143		LR6837	15052-6		_	1R3004A20A120		LR6837
112021A01F030		LR6837	1447_163		LR6837	15053-2		_	1R3006A20A010		LR6837
112022A01F030		LR6837	1447EZ		LR6837	15053-25		_	1R3006A20A120		LR6837
112023A01F030		LR6837	1447MB		LR6837	15053-50		_	1R3006A28A010		LR6837
113020A01F030		LR6837	1447-W		LL52750	15053W-2		_	1R4000A20A010		LR6837
113021A01F030		LR6837	1447-W-IN		LL52750	15053W-25		_	1R4000A28A010		LR6837
113022A01F030		LR6837	1447-Y		LL52750	15054-1		_	1R4004A20A120		LR6837
113023A01F030		LR6837	1447-Y-IN		LL52750	1533GCM	E10176	LR6837	1R4006A20A010		LR6837
113030A46M00		LR6837	1448_123		LR6837	1533MB		_	1R4006A20A120		LR6837
113031A45M00		LR6837	1448_143	E38085	LR6837	1534MB	E10176	LR6837	1R4006A28A010		LR6837
114020A01F030	E46237	LR6837	1448MB	—	LR6837	1547GCM	E10176	LR6837	1R5000A20A120	E46237	LR6837
114021A01F030	E46237	LR6837	1448-W	—	LL52750	1547MB	E46237	LR6837	1R5004A20A120	E46237	LR6837
114022A01F030	E46237	LR6837	1448-W-IN	—	LL52750	1548MB	E46237	_	1R5006A20A120	E46237	LR6837
114023A01F030	E46237	LR6837	1448-Y		LL52750	1549MB	E46237	LR6837	1R6004A20A130	E46237	LR6837
114032A46M00	5 E46237	LR6837	1448-Y-IN		LL52750	15L47	E10176	_	1R6006A20A130	E46237	LR6837
114033A45M00	5 E46237	LR6837	1449_143		LR6837	15L47BLK		_	2000PLX25	—	LR39801
115020A01F030		LR6837	1449_163		LR6837	15W04		LR6837	2000PLX50		LR39801
115021A01F030		LR6837	1449MB		LR6837	15W33		_	2001-E		LL85374
115022A01F030		LR6837	14F47		_	15W33GCM		LR6837	20051-1		_
115023A01F030		LR6837	14R33		LR6837	15W34		LR6837	20051-25		_
116020A01F030		LR6837	14R47		LR6837	15W47		LR6837	20051-6		_
116021A01F030		LR6837	14W04		LR6837	15W47GCM		LR6837	20052-1		_
116022A01F030		LR6837	14W04_142		LR6837	15W48		_	20052-25		_
116023A01F030		LR6837	14W04_162		LR6837	15W49		LR6837	20052-6		_
1175U		LR1533	14W07			1600-12A		LL85374	20053-2		_
1175US	E59251	LR1533	14W07_143	E38085	LR6837	1600-12B	E59049	LL85374	20053W-2	E66308	_



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PART NO.	UL	CSA	PART NO.	UL	CSA	PART NO.	UL	CSA	PART NO.	UL	CSA
20054-1		_	2607_122		LR6837	26W47-W-IN		LL52750	27W49		_
20054-25		_	2607_142		LR6837	26W47-Y		LL52750	27W74		LR6837
20054-6 20055-1		_	2607MB 2608_123		LR6837 LR6837	26W47-Y-IN		LL52750 LR6837	27W75		LR6837
20055-25		_	2608_143		LR6837	26W48_123		LR6837	27W81		_
20055-6		_	2608G		LR6837	26W48_143		LR6837	27W82		_
202SRL	E112216	_	2608MB	E10176	LR6837	26W49	E10176	LR6837	27W83	E10176	_
2030PLX25		LR39801	2609_124		LR6837	26W49_123		LR6837	2808_103		LR6837
2030PLX50		LR39801	2609_144		LR6837	26W49_143		LR6837	2808_123		LR6837
2031-P		LL85374 LL85374	2609MB 2610MB		LR6837 LR6837	26W74 26W74_124		LR6837 LR6837	2808MB		LR6837 LR6837
2113MS		LL85374	2647_123		LR6837	26W74_124		LR6837	2809 124		LR6837
2113S		LL85374	2647_143		LR6837	26W75		LR6837	2809MB		LR6837
2126FMS	—	LL85374	2647EZ	E10176	LR6837	26W75_124	E38085	LR6837	2847_103	E38085	LR6837
2126GS		LL85374	2647MB		LR6837	26W75_144		LR6837	2847_123		LR6837
2126MS		LL85374	2647-W		LL52750	26W76		LR6837	2847MB		LR6837
2126S		LL85374 —	2647-W-IN		LL52750 LL52750	26W76_124 26W76_144		LR6837 LR6837	2848_103 2848_123		LR6837 LR6837
2306F-30TZ		_	2647-Y-IN		LL52750	26W81		_	2848MB		LR6837
2316F-30TZ		_	2648_123		LR6837	26W81_125		LR6837	2849_103		LR6837
2320F-20TZ	E174254	_	2648_143		LR6837	26W82		_	2849_123		LR6837
2326F-30TZ		_	2648MB		LR6837	26W82_125		LR6837	2849MB		LR6837
2404_142		LR6837	2649_123		LR6837	26W83			2874_104		LR6837
2404_162		LR6837	2649_143		LR6837	26W83_125		LR6837	2874_124		LR6837
2404MB		LR6837 LR6837	2649MB 2674_124		LR6837 LR6837	270-1 270-2		LR1533 LR1533	2874MB		LR6837 LR6837
2434_163		LR6837	2674_144		LR6837	270-3		LR1533	2875_124		LR6837
2434MB		LR6837	2674MB		LR6837	2707MB		LR6837	2875MB		LR6837
2447_143		LR6837	2675_124		LR6837	2708G		LR6837	2876_104		LR6837
2447_163		LR6837	2675_144		LR6837	2708MB		LR6837	2876_124		LR6837
2447EZ		LR6837	2675MB		LR6837	2709MB		LR6837	2876MB		LR6837
2447MB		LR6837	2676_124		LR6837	2710MB		LR6837	2877_104		LR6837 LR6837
2447-W		LL52750 LL52750	2676_144 2676MB		LR6837 LR6837	271S		LR1533 LL85374	2877_124		LR6837
2447-Y		LL52750	2681_125		LR6837	271SB163		LL85374	2881_105		LR6837
2447-Y-IN		LL52750	2681MB		LR6837	271U		LR1533	2881_125		LR6837
2449_143	E38085	LR6837	2682_125		LR6837	271UA163	—	LL85374	2881MB		LR6837
2449_163		LR6837	2683_125		LR6837	271UB163		LL85374	2882_105		LR6837
2449MB		LR6837	2683MB		LR6837	271US		LR1533	2882_125		LR6837
24T04		LR6837 LR6837	26T07		LR6837 LR6837	271USA163 271USB163		LL85374 LL85374	2882MB		LR6837 LR6837
24W04		LR6837	26T08G		LR6837	2747GCM		— —	2883_125		LR6837
24W04_142		LR6837	26T09		LR6837	2747MB		LR6837	28T08		LR6837
24W04_162		LR6837	26T10		_	2774MB	E46237	LR6837	28T09		LR6837
24W34		LR6837	26T47		LR6837	2775MB		LR6837	28T47		LR6837
24W34_143		LR6837	26T48		LR6837	2776MB		LR6837	28T48		LR6837
24W34_163 24W47		LR6837	26T49		LR6837	2781MB 2783MB		LR6837	28T49		LR6837
24W47_143		LR6837 LR6837	26T75		LR6837 LR6837	27T07		LR6837 LR6837	28T75		LR6837 LR6837
24W47_163		LR6837	26T76		LR6837	27T08		LR6837	28T76		LR6837
24W47EZ	E10176	LR6837	26T81	E10176	LR6837	27T08G	E10176	LR6837	28T77	E10176	LR6837
24W47-Y		LL52750	26T83		LR6837	27T09		LR6837	28T81		LR6837
24W47-Y-IN		LL52750	26W07		LR6837	27T10			28T82		LR6837
24W49 24W49_143		LR6837	26W07_122.		LR6837	27T47		LR6837	28T83		LR6837
24W49_143		LR6837 LR6837	26W07_142. 26W08		LR6837 LR6837	27T49		LR6837 LR6837	28W08_103		LR6837
2504MB		LR6837	26W08_123		LR6837	27T74		LR6837	28W08_123		LR6837
2534MB		LR6837	26W08_143		LR6837	27T75		LR6837	28W09		_
2547GCM	E10176	LR6837	26W08G	—	LR6837	27T76	E10176	LR6837	28W09_104	E38085	LR6837
2547MB		LR6837	26W09		LR6837	27T81		LR6837	28W09_124		LR6837
2549MB		LR6837	26W09_124.		LR6837	27T83		LR6837	28W47		LR6837
25T04		LR6837 LR6837	26W09_144 26W10		LR6837 —	27W07 27W08		LR6837 LR6837	28W47_103 28W47_123		LR6837 LR6837
25W04		LR6837	26W47		LR6837	27W08G		LR6837	28W48		LR6837
25W34		LR6837	26W47_123		LR6837	27W09		LR6837	28W48_103		LR6837
25W47		LR6837	26W47_143.		LR6837	27W10		_	28W48_123		LR6837
25W47GCM		LR6837	26W47EZ			27W47		LR6837	28W49		LR6837
25W49	E10176	LR6837	26W47-W	····· —	LL52750	27W48	E10176	LR6837	28W49_103	E38085	LR6837

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PART NO.	UL	CSA	PART NO.	UL	CSA	PART NO.	UL	CSA	PART NO.	UL	CSA
28W49_123	E38085	LR6837	3000F-1	E46237	LR6837	3088-9_123	. —	LR6837	320P6	_	LR701227
28W74		LR6837	3001-2		LR6837	3088F		LR6837	320P6W		LR701227
28W74_104		LR6837	3001-2_143		LR6837	3100B4W		LR701227	320P7		LR701227
28W74_124		LR6837	3001F		LR6837	3100B5W		LR701227	320P7W		LR701227
28W75		LR6837	3003F		LR6837	3100B6W		LR701227	320R4		LR701227
28W75_104		LR6837	3005-1		LR6837	3100B7W		LR701227	320R4W		LR701227
28W75_124		LR6837	3005-1_143		LR6837	3100C4W		LR701227	320R5		LR701227
28W76		LR6837	30051-1		_	3100C5W		LR701227	320R5W		LR701227
28W76_104		LR6837	30051-6		_	3100C6W		LR701227	320R6		LR701227
28W76_124		LR6837	3005-2		LR6837	3100C7W		LR701227	320R6W		LR701227
28W77		LR6837	3005-2_143		LR6837	3100MI4W		LR701227	320R7		LR701227
28W77_104		LR6837	30052-1		_	3100MI6W		LR701227	320R7W		LR701227
28W77_124		LR6837	30052-6		_	3100MI7W		LR701227	32547A123		LR6837
28W81		_	30053-1		_	3100P4W	. —	LR701227	32547A143		LR6837
28W81_105		_	30053-25		_	3100P5W		LR701227	32547B123	E38085	LR6837
28W81_125		_	30053-6	E66308	_	3100P6W		LR701227	32547B143	E38085	LR6837
28W82		_	30054-1		_	3100P7W		LR701227	32550A122	_	LR6837
28W82_105	E38085	_	30054-25	E66308	_	3100R4W		LR701227	32550A142	_	LR6837
28W82_125	E38085	_	30054-6	E66308	_	3100R5W	. —	LR701227	32550B122	_	LR6837
28W83		_	3005-6		LR6837	3100R6W		LR701227	32550B142	_	LR6837
28W83_105		_	3005-6_142		LR6837	3100R7W		LR701227	32553A123	_	LR6837
28W83_125	E38085	_	3005-8	—	LR6837	310W	. —	LR1533	32553A143	_	LR6837
2908MB		LR6837	3005-8_143		LR6837	31550A122		LR6837	32553B123		LR6837
2909MB	E46237	LR6837	3005F	E46237	LR6837	31550A142	. E38085	LR6837	32553B143	_	LR6837
2947MB	E46237	LR6837	3006-2		LR6837	31550B122		LR6837	32706A122		LR6837
2948MB	E46237	LR6837	3006-2_143	E38085	LR6837	31550B142	. E38085	LR6837	32706A142	_	LR6837
2949MB	E46237	LR6837	3006F	E46237	LR6837	31552A143	. E38085	LR6837	32706B122	_	LR6837
2974MB	E46237	LR6837	3008F	E46237	LR6837	31552B123	. E38085	LR6837	32706B142	_	LR6837
2975MB	E46237	LR6837	300W		LR1533	31552B143		LR6837	32708A123		LR6837
2976MB	E46237	LR6837	302SRL	E112216	LL85374	31565A123	. E38085	LR6837	32708A143	E38085	LR6837
2977MB	E46237	LR6837	302SRLCA	E112216	_	31565A143	. E38085	LR6837	32708B123	E38085	LR6837
2981MB	E46237	LR6837	302U	—	LR1533	31565B123	. E38085	LR6837	32708B143	E38085	LR6837
2982MB	E46237	LR6837	3070F-GFI	—	LR6837	31565B143	. E38085	LR6837	32747A123	E38085	LR6837
29T08	E46237	LR6837	3070-GFI	—	LR6837	31593A123	. E38085	LR6837	32747A143	E38085	LR6837
29T09	E10176	LR6837	3080-1	E46237	LR6837	31593A143	. E38085	LR6837	32747B123	E38085	LR6837
29T47	E10176	LR6837	3080-10	E46237	LR6837	31593B123	. E38085	LR6837	32747B143	E38085	LR6837
29T48	E10176	LR6837	3080-10_123	E38085	LR6837	31593B143	. E38085	LR6837	3290-1	_	LR6837
29T49	E10176	LR6837	3080-2	E46237	LR6837	31594A123	. E38085	LR6837	3290-1B143	_	LR6837
29T74		LR6837	3080-6	E46237	LR6837	31594A143	. E38085	LR6837	3290-1E143	_	LR6837
29T75		LR6837	3080-8		LR6837	31594B123	. E38085	LR6837	3290-2	_	LR6837
29T76		LR6837	3080F		LR6837	31594B143		LR6837	3290-2B143		LR6837
29T77		LR6837	3080F-GFI		LR6837	320BA4		LR701227	3290-2E143		LR6837
29T81		LR6837	3080F-GFI20		LR6837	320BA4W		LR701227	3290-3		LR6837
29T82		LR6837	3080-GFI		LR6837	320BA5		LR701227	3290-3B123	_	LR6837
29T83		LR6837	3080-GFI20		LR6837	320BA5W		LR701227	3290-3E123		LR6837
29W08		LR6837	3081-2		LR6837	320BA6		LR701227	3290-8		LR6837
29W09		LR6837	3081-7		LR6837	320BA6W		LR701227	3290-8B143		LR6837
29W47		_	3081-7_122		LR6837	320BA7		LR701227	3290-8E143		LR6837
29W48		_	3081F		LR6837	320BA7W		LR701227	3290-9B123		LR6837
29W49		_	3083-3		LR6837	320C4		LR701227	3290-9E123		LR6837
29W74		_	3083-3_123		LR6837	320C4W		LR701227	32G15_123		LR6837
29W75		_	3083-9		LR6837	320C5		LR701227	32G20_123		LR6837
29W76		_	3083-9_123		LR6837	320C5W		LR701227	32GM15_123		LR6837
29W77		_	3083F		LR6837	32006		LR701227	32GM20_123		LR6837
29W81		_	3085-1		LR6837	320C6W		LR701227	32HG15_123		LR6837
29W82		_	3085-10		LR6837	32007		LR701227	32HG20_123		LR6837
29W83			3085-10_123		LR6837	320C7W		LR701227	32W07		LR6837
3000-1		LR6837	3085-2		LR6837	320MI4		LR701227	32W33		LR6837
3000-1_143		LR6837	3085-6		LR6837	320MI4W		LR701227	32W47		LR6837
3000-10		LR6837	3085-8		LR6837	320MI5		LR701227	32W47A123		LR6837
3000-10_123			3085F		LR6837	320MI6		LR701227	32W90-1		LR6837
3000-2		LR6837	3086-2		LR6837	320MI6W		LR701227	32W90-1B143		LR6837
3000-2_143		LR6837	3086-7		LR6837	320MI7		LR701227	32W90-1E143		LR6837
3000-6		LR6837	3086-7_122		LR6837	320MI7W		LR701227	32W90-2		LR6837
3000-6_142		LR6837	3086F		LR6837	320P4		LR701227	32W90-2B143		LR6837
3000-8		LR6837	3088-3		LR6837	320P4W		LR701227	32W90-2E143		LR6837
3000-8_143		LR6837	3088-3_123		LR6837	320P5		LR701227	32W90-8		LR6837
3000F	64023/	LR6837	3088-9	—	LR6837	320P5W	. –	LR701227	32W90-8B143	_	LR6837



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PART NO.	UL	CSA	PART NO.	UL	CSA	PART NO.	UL	CSA	PART NO.	UL	CSA
32W90-8E143	_	LR6837	3410-20	E135568	_	36007	_	LR701227	4100R12W	_	LR701227
32WG15_123	_	LR6837	3410F	E135568	_	360C7W	_	LR701227	4100R5W	_	LR701227
32WG20_123	_	LR6837	3410F-20		_	360P4		LR701227	4100R7W		LR701227
330BA12	_	LR701227	3410FL		_	360P4W		LR701227	4100R9W		LR701227
330BA12W	_	LR701227	3410FL-20		_	360P5	_	LR701227	420BA12		LR701227
330BA4	_	LR701227	3410L		_	360P5W		LR701227	420BA12W		LR701227
330BA4W	_	LR701227	3410L-20		_	360P6		LR701227	420BA5		LR701227
330BA5	_	LR701227	3410P		_	360P6W	_	LR701227	420BA5W		LR701227
330BA5W	_	LR701227	3410P-20		_	360P7	_	LR701227	420BA7		LR701227
330BA6	_	LR701227	3410PL		_	360P7W		LR701227	420BA7W		LR701227
330BA6W	_	LR701227	3410PL-20 3413-20		_	360R4	_	LR701227 LR701227	420BA9		LR701227
330BA7	_	LR701227	3413F		_	360R5			420C12		LR701227
330C4	_	LR701227 LR701227	3413FL		_	360R5W		LR701227 LR701227	420C12W		LR701227 LR701227
330C4W	_	LR701227	3413FL-20		_	360R6	_	LR701227	42005		LR701227
330C5	_	LR701227	3413L		_	360R6W	_	LR701227	420C5W		LR701227
330C5W	_	LR701227	3413L-20		_	360R7	_	LR701227	420C7		LR701227
33006	_	LR701227	3413P		_	360R7W	_	LR701227	420C7W		LR701227
330C6W	_	LR701227	3413P-20		_	37100-90	_	LR32159	420C9		LR701227
33007	_	LR701227	3413PL		_	37101-90		LR32159	420C9W		LR701227
330C7W	_	LR701227	3413PL-20		_	37102-90	_	LR32159	420P12		LR701227
330MI4	_	LR701227	3420-20		_	37103-90	_	LR32159	420P12W	_	LR701227
330MI4W	_	LR701227	3420F		_	37104-90		LR32159	420P5	_	LR701227
330MI5	_	LR701227	3420F-20		_	37105-90		LR32159	420P5W		LR701227
330MI6	_	LR701227	3420FL		_	37106-90		LR32159	420P7		LR701227
330MI6W	_	LR701227	3420FL-20			3762N			420P7W		LR701227
330MI7	_	LR701227	3420L		_	3763N		_	420P9		LR701227
330MI7W	_	LR701227	3420L-20		_	3764N		_	420P9W		LR701227
330P4	_	LR701227	3420P		_	3765N		_	420R12		LR701227
330P4W	_	LR701227	3420P-20		_	37W62	E10176	LR6837	420R12W		LR701227
330P5	_	LR701227	3420PL		_	37W63		LR6837	420R5		LR701227
330P5W	_	LR701227	3420PL-20			37W64	E10176	LR6837	420R5W		LR701227
330P6	_	LR701227	3423-20		_	37W65	E10176	LR6837	420R7		LR701227
330P6W	_	LR701227	3423F		_	4022-2	_	LR32400	420R7W		LR701227
330P7	_	LR701227	3423F-20		_	4022ES	_	LR32400	420R9		LR701227
330P7W	_	LR701227	3423FL	E135568	_	4023-2	_	LR32400	420R9W	_	LR701227
330R4	_	LR701227	3423FL-20	E135568	_	4023ES	_	LR32400	430BA5	_	LR701227
330R4W	_	LR701227	3423L	E135568	_	4024-2	_	LR32400	430BA5W	_	LR701227
330R5	_	LR701227	3423L-20	E135568	_	4024ES	_	LR32400	430BA7	_	LR701227
330R5W	_	LR701227	3423P	E135568	_	4026-2	_	LR32400	430BA7W	_	LR701227
330R6	_	LR701227	3423P-20	E135568	_	4026ES	_	LR32400	430BA9	_	LR701227
330R6W	_	LR701227	3423PL	E135568	_	4028-2	_	LR32400	430BA9W	_	LR701227
330R7	_	LR701227	3423PL-20	E135568	_	4028ES	_	LR32400	430C12	_	LR701227
330R7W	_	LR701227	342510A	—	LR39801	403000A10M020	E152210	_	430C12W	_	LR701227
3400-20	E135568	_	3500PLG	—	LR6837	403001A10M020	E152210	_	430C5	_	LR701227
3400F		_	3500S		LR6837	403006A10M020	E152210	_	430C5W		LR701227
3400F-20		_	3500SPLG		LR6837	403007A10M020	E152210	_	430C7	_	LR701227
3400FL		_	3510PLG		LR6837	404000A10M020		_	430C7W	_	LR701227
3400FL-20		_	3510S		LR6837	404001A10M020	E152210	_	430C9	_	LR701227
3400L		_	3510SPLG		LR6837	404006A10M020		_	430C9W	_	LR701227
3400L-20		_	35W07		LR6837	404007A10M020		_	430P12	_	LR701227
3400P		_	35W34		LR6837	405000A10M020		_	430P12W		LR701227
3400P-20		_	35W47		LR6837	405001A10M020		_	430P5		LR701227
3400PL		_	35W47A123		LR6837	405006A10M020		_	430P5W		LR701227
3400PL-20			360BA4		LR701227	405007A10M020			430P7		LR701227
340310A		LR39801	360BA4W		LR701227	4052PC		LR32400	430P7W		LR701227
3403-20		_	360BA5		LR701227	4100B12W		LR701227	430P9		LR701227
3403F		_	360BA5W		LR701227	4100B5W		LR701227	430P9W		LR701227
3403F-20		_	360BA6		LR701227	4100B7W		LR701227	430R12		LR701227
3403FL		_	360BA6W		LR701227	4100B9W		LR701227	430R12W		LR701227
3403FL-20		_	360BA7		LR701227	4100C12W		LR701227	430R5		LR701227
3403L		_	360BA7W		LR701227	4100C5W		LR701227	430R5W		LR701227
3403L-20		_	360C4		LR701227	4100C7W		LR701227	430R7		LR701227
3403P		_	360C4W		LR701227	4100C9W		LR701227	430R7W		LR701227
3403P-20		_	360C5		LR701227	4100P12W		LR701227	430R9		LR701227
3403PL		_	360C5W		LR701227	4100P5W		LR701227	430R9W		LR701227
3403PL-20			360C6		LR701227	4100P7W		LR701227	440F		LR6837
340510A	_	LR39801	360C6W	—	LR701227	41UUF3W	_	LR701227	443030A10M020	LIUZZIU	_

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443031A10M020.	. E152210	_	520R5W	. —	LR701227	5530NM	E76954	LR32159	5558NM	E76954	LR32159
443032A10M020.		_	520R7W		LR701227	5530W		LR32159	5558W		LR32159
443033A10M020.		_	520R9W	. —	LR701227	5531M		LR32159	5559M		LR32159
444030A10M020		_	5252DW		LR6837	5531NM		LR32159	5559NM		LR32159
444031A10M020.		_	5261DW		_	5531W		LR32159	5559W		LR32159
444032A10M020		_	5262DW		LR6837	5532M		LR32159	5560M		LR32159
444033A10M020.		_	5266-RB		E10176	5532W		LR32159	5560NM		LR32159
445030A10M020 .		_	5269-RB		E10176	5533M		LR32159	5560W		LR32159
445031A10M020.		_	530BA5		LR701227	5533W		LR32159	5561M		LR32159
445032A10M020.		_	530BA5W		LR701227	5534M		LR32159	5561NM		LR32159
445033A10M020		_	530BA7		LR701227	5534W		LR32159	5561W		LR32159
446F		LR6837	530BA7W		LR701227	5535M		LR32159	5562W		LR32159
460BA12		LR701227	530BA9		LR701227	5535W		LR32159	5563W		LR32159
460BA12W		LR701227	530BA9W		LR701227	5536NM			5580W		LR32159
460BA7		LR701227	530C5		LR701227	5536W		LR32159	5582W		LR32159
460BA7W		LR701227	530C5W		LR701227	5537NM			5594-004		LR32159
460BA9		LR701227	530C7		LR701227	5537W		LR32159	5594-004W		LR32159
460BA9W		LR701227	530C7W		LR701227	5538NM			5594-005		LR32159
460C12		LR701227	530C9		LR701227	5538W		LR32159	5594-005W		LR32159
460C12W		LR701227	530C9W		LR701227	5539NM			5594-006		LR32159
46007		LR701227	530P5		LR701227	5539W		LR32159	5594-006W		LR32159
460C7W		LR701227	530P5W		LR701227	5540NM			5594-007		LR32159
460C9		LR701227	530P7		LR701227	5540W		LR32159	5594-007W		LR32159
460C9W		LR701227	530P7W		LR701227	5541NM			5594-008		LR32159
460P12		LR701227	530P9		LR701227	5541W		LR32159	5594-008W		LR32159
460P12W		LR701227	530P9W		LR701227	5542NM			5595-004		LR32159
460P5		LR701227	530R5		LR701227	5542W		LR32159	5595-004W		LR32159
460P5W		LR701227				5543NM		LN32139	5595-005		
460P7		LR701227	530R5W		LR701227	5543W		LR32159			LR32159
460P7W		LR701227	530R7W		LR701227 LR701227	5544W		LR32159	5595-005W 5595-006		LR32159
460P9		LR701227	530R9		LR701227 LR701227	5545W		LR32159	5595-006W		LR32159 LR32159
460P9W		LR701227	530R9W			5546M		LR32159	5595-007		LR32159
460R12		LR701227	5352DW		LR701227	5546NM		LR32159	5595-007W		LR32159
460R12W		LR701227	5361DW		_	5546W		LR32159	5595-008		LR32159
460R5		LR701227	5362DW		_	5547M		LR32159	5595-008W		LR32159
460R5W		LR701227	5366-RB		E10176	5547NM		LR32159	560BA7		LR701227
460R7		LR701227	5369-RB		E10176	5547W		LR32159	560BA7W		LR701227
460R7W		LR701227	5452DW		_	5548M		LR32159	560BA9		LR701227
460R9		LR701227	5462DW		_	5548NM		LR32159	560BA9W		LR701227
460R9W		LR701227	5518W		LR32159	5548W		LR32159	560C7		LR701227
4700DW		AP49707	5519W		LR32159	5549M		LR32159	560C7W		LR701227
4R3P00A27C300		—	5520W		LR32159	5549NM		LR32159	560C9		LR701227
4R3P06A27C300		_	5521W		LR32159	5549W		LR32159	560C9W		LR701227
4R4P00A27C300		_	5522M		LR32159	5550M		LR32159	560P5		LR701227
4R4P06A27C300		_	5522NM		LR32159	5550NM		LR32159	560P5W		LR701227
4R5P00A27C300		_	5522W		LR32159	5550W		LR32159	560P7		LR701227
4R5P06A27C300		_	5523M		LR32159	5551M		LR32159	560P7W		LR701227
5100B5W		LR701227	5523NM		LR32159	5551NM		LR32159	560P9		LR701227
5100B7W		LR701227	5523W		LR32159	5551W		LR32159	560P9W		LR701227
5100B9W		LR701227	5524M		LR32159	5552M		LR32159	560R5		LR701227
5100C5W		LR701227	5524NM		LR32159	5552NM		LR32159	560R5W		LR701227
5100C7W		LR701227	5524W		LR32159	5552W		LR32159	560R7		LR701227
5100C9W		LR701227	5525M		LR32159	5553M		LR32159	560R7W		LR701227
5100P5W		LR701227	5525NM		LR32159	5553NM		LR32159	560R9		LR701227
5100P7W		LR701227	5525W		LR32159	5553W		LR32159	560R9W		LR701227
5100P9W		LR701227	5526M	. —	LR32159	5554M		LR32159	5620M		LR32159
5100R5W		LR701227	5526NM	. E76954	LR32159	5554NM		LR32159	5620NM		LR32159
5100R7W		LR701227	5526W		LR32159	5554W		LR32159	5620W		LR32159
5100R9W		LR701227	5527M		LR32159	5555M		LR32159	5621M		LR32159
520BA5W		LR701227	5527NM		LR32159	5555NM		LR32159	5621NM		LR32159
520BA7W		LR701227	5527W		LR32159	5555W		LR32159	5621W		LR32159
520BA9W		LR701227	5528M		LR32159	5556M		LR32159	5622M		LR32159
520C5W		LR701227	5528NM		LR32159	5556NM		LR32159	5622NM		LR32159
520C7W		LR701227	5528W		LR32159	5556W		LR32159	5622W		LR32159
520C9W		LR701227	5529M		LR32159	5557M		LR32159	5623M		LR32159
520P5W		LR701227	5529NM		LR32159	5557NM		LR32159	5623NM		LR32159
520P7W		LR701227	5529W		LR32159	5557W		LR32159	5623W		LR32159
520P9W		LR701227	5530M		LR32159	5558M		LR32159	5624M		LR32159
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5624NM	E76954	LR32159	69W74	. E68122	LR6837	92433-3070G	. —	LR29921	C04001A48M005	E152210	E152210
5624W	E76954	LR32159	69W75		LR6837	92433-3080	. —	LR29921	C04006A48M005	E152210	E152210
5625M	—	LR32159	69W76	. E68122	LR6837	92501AN	. —	LR29921	C04007A48M005	E152210	E152210
5625NM	E76954	LR32159	69W77	. E68122	_	92502N	. —	LR29921	C04100A48M005	E152210	E152210
5625W	E76954	LR32159	69W81	. E68122	_	92511AN	. —	LR29921	C04101A48M005	E152210	E152210
5652DW	E46237	LR6837	69W82	. E68122	_	92512AN	. —	LR29921	C04106A48M005	E152210	E152210
5662DW		LR6837	69W83		_	92512BN	. —	LR29921	C04107A48M005	E152210	E152210
600SC		LR1533	803000A09M020.		_	92526AN		LR29921	CC3030A48M005		E152210
60W04			803001A09M020.		_	92526BN		LR29921	CC3031A48M005		E152210
60W04DPLX		LR6837	803006A09M020.		_	9253-106US		LL85374	CC3032A48M005		E152210
60W07DPLX		LR6837	803007A09M020.		_	9253-1547		LR29921	CC3033A48M005		E152210
60W33			804000A09M020.		_	92531N		LR29921	CC3130A48M005		E152210
60W33DPLX 60W34		LR6837	804001A09M020.		_	92532N		LR29921	CC3131A48M005		E152210
60W34DPLX		LR6837	804006A09M020 .		_	9253-3000 9253-3070G		LR29921	CC3132A48M005		E152210 E152210
60W47		LR6837 LR6837	804007A09M020 . 805000A09M020 .		_	92533N		LR29921 LR29921	CC3133A48M005 CC4030A48M005		E152210 E152210
60W47DPLX		LR6837	805001A09M020		_	92534N		LR29921	CC4031A48M005		E152210
60W48			805006A09M020		_	92535AN		LR29921	CC4032A48M005		
60W48DPLX		LR6837	805007A09M020		_	92535BN		LR29921	CC4033A48M005		E152210
60W49		LR6837	8506M		LL85374	92536N		LR29921	CC4130A48M005		E152210
60W49DPLX		LR6837	8540M		LL85374	92541N		LR29921	CC4131A48M005		E152210
60W64		_	8540P		LL85374	92542N		LR29921	CC4132A48M005		E152210
61430A163		_	8565F		_	92543N		LR29921	CC4133A48M005		E152210
61430B163		_	8565F-MH		_	92544AN		LR29921	CR3000A30M005		E152210
61430D163	E30252	_	8565-MH	. E174254	_	92544BN	. —	LR29921	CR3006A30M005		E152210
6360CRN	E10176	_	8570P-56	. —	LR701559	92545AN	. —	LR29921	CR3100A30M005	E152210	E152210
6361CRN	E10176	_	8570P-56A163	. E174254	LR701559	92546N	. —	LR29921	CR3106A30M005	E152210	E152210
6364CRN	E10176	_	8570P-56B163	. E174254	LR701559	92561N	. —	LR29921	CR3C00A30M005	E152210	E152210
6365CRN	E10176	_	8570P-56D163	. E174254	LR701559	92562AN	. —	LR29921	CR3C06A30M005	E152210	E152210
63W60		_	883030A09M020.	. E152210	_	92562BN		LR29921	CR3D00A30M005	. E152210	E152210
63W61		_	883031A09M020.		_	92564N		LR29921	CR3D06A30M005		E152210
63W64		_	883032A09M020.		_	92581N		LR29921	CR4000A30M005		E152210
63W65		_	883033A09M020.		_	92582N		LR29921	CR4006A30M005		E152210
64W64			884030A09M020.		_	92583N		LR29921	CR4100A30M005		E152210
65W04		LR6837	884031A09M020.		_	92584N		LR29921	CR4106A30M005		E152210
65W04DPLX		LR6837	884032A09M020.		_	9383-1533		LR29921	CR4C00A30M005		E152210
65W07DPLX		LR6837	884033A09M020.		_	9383-1547		LR29921	CR4C06A30M005		E152210
65W34 65W34DPLX		LR6837	885030A09M020.		_	9383-3000		LR29921	CR4D00A30M005		E152210
65W47		LR6837 LR6837	885031A09M020 . 885032A09M020 .		_	9383-3070G 9383-3080		LR29921 LR29921	CR4D06A30M005 CS60W64		E152210
65W47DPLX		LR6837	885033A09M020		_	945-1547			CS6364N		
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65W49DPLX		LR6837	8A4000-32		LR6837	945-3-86		_	CS63W60		
65W64		_	8A4001-31		LR6837	980-106US		_	CS63W61		
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67W07		LR6837	8A4006-32		LR6837	980-3000		_	CS63W65		_
67W07DPLX		LR6837	8A4007-31		LR6837	980-83		_	CS69W60		_
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67W74		LR6837	8R3A00A18A120 .	. E152210	_	990-83	. E22769	_	CS84W64		_
67W75		LR6837	8R4006A18A120 .		_	990-86		_	CS84W65	E10176	
67W76		LR6837	8R4A00A18A120 .		_	990A-118		_	SBG2500		LL85374
67W81		_	8R5006A18A120 .		_	990A-83		_	SBS2500		LL85374
67W82		_	8R5A00A18A120 .			997-3000		— F1F0010	WT3C-20		E59049
67W83		_	9224-106US 9224-1547		LL85374	C03000A48M005		E152210	WT3F-20		E59049
69W09		_	9224-1547		LR29921	C03001A48M005 . C03006A48M005 .		E152210 E152210	WT6C-25		E59049
69W47		 LR6837	9228-106US		_	C03007A48M005		E152210 E152210	WT6F-25		E59049 E59049
69W48		LR6837	9228-1547		 LR29921	C03100A48M005		E152210	WT6F-50		E59049
69W49		LR6837	9228-86			C03101A48M005.		E152210	WIOI 30	. 200040	L00043
69W60			92433-1533		LR29921	C03106A48M005		E152210			
69W62		_	92433-1547		LR29921	C03107A48M005					
69W64		_	92433-3000		LR29921	C04000A48M005.		E152210			

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\$695S-380  210  \$269-RB  53  \$520  157  \$538M  157  \$565W-1  210  \$276  46,65  \$521  159  \$538W  157  \$565SW-12NONC  210  \$276  46,65  \$521  159  \$538W  157  \$565SW-12NONC  210  \$308A5  119  \$562W  159  \$565SW-2  210  \$308A5  119  \$562W  157  \$5539M  159  \$565SW-3  210  \$308A7  117  \$522  157  \$539MM  159  \$565SW-3  210  \$308A7  117  \$552W  157  \$5539MM  159  \$565SW-1  210  \$308A7W  117  \$552W  157  \$5539MM  159  \$565SW-1  210  \$308A9  119  \$562W  157  \$5539MM  159  \$565SW-1  210  \$308A9  119  \$562W  157  \$5539MM  159  \$565SW-1  157  \$554MM  157  \$5539MM  159  \$565SW-1  157  \$554MM  157  \$564MM  157  \$564MM  157  \$5100BSW  117  \$500CSW  117  \$5023MM  159  \$554MM  159  \$554MM  159  \$564MM  157  \$5100BSW  117  \$500CSW  117  \$500CSW  117  \$502AMM  159  \$554MM  159  \$554MM  159  \$54MM  157  \$54HMM  159  \$54MM  157  \$55HMM  159  \$54MM  157  \$55HMM  159  \$56MM  157  \$55HMM  159  \$56MM  157  \$56HMM  157  \$55HMM  159  \$56MM  157  \$56HMM	505SS-2	210	5266-RB	53			5537W	159
\$6958W-1 210 \$268L 55 \$520W 157 \$538NM 157 \$6058W-12NO 210 \$276 46,65 \$521 159 \$538W 157 \$6058W-12NO 210 \$276 46,65 \$521 159 \$538W 157 \$6058W-12NO 210 \$208A5 119 \$522W 159 \$5389 159 \$6058W-2 210 \$308A5 119 \$522W 157 \$539M 159 \$6058W-3 210 \$308A7 119 \$522M 157 \$539NM 159 \$6058W-3 210 \$308A7 119 \$522M 157 \$539NM 159 \$6058W-4 210 \$308A7 1119 \$522W 157 \$539NM 159 \$6058W-1 210 \$308A7 1117 \$522M 157 \$539NM 159 \$6058W-1 210 \$308A9 119 \$522W 157 \$540 157 \$540 157 \$6058W-1NONC 210 \$308A9 119 \$522W 157 \$540 157 \$540 157 \$6058W-1NONC 210 \$308A9 119 \$522W 157 \$540 157 \$6058W-1NONC 210 \$308A9 119 \$522M 159 \$540NM 157 \$610058W 117 \$300CS 119 \$523M 159 \$540NM 157 \$610058W 117 \$300CS 119 \$523M 159 \$540NM 157 \$610058W 117 \$300CW 117 \$522MM 159 \$540W 157 \$610058W 117 \$300CW 117 \$522M 159 \$540W 157 \$610058W 117 \$300CW 117 \$522M 159 \$540W 157 \$610068W 117 \$300CW 117 \$522M 159 \$540W 157 \$610068W 117 \$300CW 117 \$500CW 117 \$524 157 \$541M 159 \$6100CFW 117 \$300CW 117 \$520CW 117 \$524 157 \$541M 159 \$6100CFW 117 \$300CW 117 \$500CW 117 \$500M15 119 \$524W 157 \$541M 159 \$6100CFW 117 \$30M15 119 \$524W 157 \$541W 157 \$541W 159 \$6100CFW 117 \$30M15 119 \$525M 159 \$542W 157 \$541W 157 \$541W 159 \$6100CFW 117 \$30M15 119 \$525M 159 \$542W 157 \$542W 157 \$641W 157 \$6100MFW 117 \$30M15 119 \$525M 159 \$542W 157 \$642W 157 \$641W 157 \$6100MFW 117 \$30M15 119 \$525M 159 \$542W 157 \$644W 157 \$6100MFW 117 \$30M15 119 \$525M 159 \$542W 157 \$644W 157 \$6100MFW 117 \$30M15 119 \$525M 159 \$642W 157 \$644W 157 \$6100MFW 117 \$30M15 119 \$525M 159 \$642W 157 \$644W 157 \$6100MFW 117 \$30M15 119 \$525M 159 \$644W 157 \$644W 157 \$6100MFW 117 \$30M15 119 \$625M 159 \$644W 157	505SS-3NC	210			5519W	159		
505SW-12NO.         210         5276         46,65         5521         159         5538W         157           505SW-10NC         210         530BA5         119         5521W         159         5539         159           505SW-2         210         530BA7         119         5522L         157         5539M         159           505SW-3         210         530BA7         119         5522M         157         5539M         159           505SW-N         210         530BA9         119         5522M         157         5540         157           505SW-NONC         210         530BA9         119         5522W         157         5540         157           51-7272         6         530CS         119         5523M         159         5540M         157           51-00ESW-NONC         117         530CSW         117         5523         159         5540M         157           51-00ESW-NOW         117         5523M         159         5540M         157           51-00ESW-NOW         117         530CY         119         5523M         159         5540M         157           51-00ESW-NOW         117         530CY         <								
505SW-10NC         210         530BA5         119         5521W         159         5539         159           505SW-2         210         530BA5W         117         5522         157         5539M         159           505SW-3         210         530BA7W         119         5522M         157         5539MM         159           505SW-M         210         530BA9W         117         5522M         157         5540         157           505SW-NONC         210         530BA9W         117         5522         159         5540M         157           51-7272         6         530ES         119         5522W         159         5540M         157           51-00ESW         117         530CSW         117         5523M         159         5540M         157           51-00ESW         117         530CSW         117         5522MM         159         5540M         157           5100BSW         117         530CSW         117         5523W         159         5541         159           5100BSW         117         530CSW         117         5524M         157         5541MM         159           5100BSW         117								
505SW-2         210         530BAW         117         5522         157         5539M         159           505SW-3         210         530BA7         119         5522M         157         5539M         159           505SW-M         210         530BA9         119         5522W         157         5540         157           505SW-HONC         210         530BA9         119         5522W         159         5540M         157           51-7272         6         530C5         119         5523W         159         5540M         157           51-0085W         117         530C5W         117         5523M         159         5540M         157           51-0085W         117         530C5W         117         5523M         159         5540M         157           5100BW         117         530C7W         117         5523M         159         5540M         157           5100BW         117         530C7W         117         5524M         157         5541M         159           5100CW         117         530C9W         117         5524M         157         5541M         159           5100CW         117         5								
505SW-3         .210         \$30BA7         .119         \$522M         .157         \$539MM         .159           505SW-M         .210         \$30BA7W         .117         \$552M         .157         \$5540         .159           505SW-N         .210         \$30BA9W         .117         \$522W         .157         \$5540         .157           505SW-NNONC         .210         \$30BA9W         .117         \$523M         .159         \$540MM         .157           5100BSW         .117         \$30C5W         .119         \$523M         .159         \$540MM         .157           5100BSW         .117         \$30C5W         .117         \$523MM         .159         \$540W         .157           5100BSW         .117         \$30C7W         .117         \$523MW         .159         \$541         .159           5100BSW         .117         \$30C7W         .117         \$523MW         .159         \$541M         .159           5100BSW         .117         \$30C9W         .117         \$522MM         .157         \$541M         .159           5100CSW         .117         \$30C9W         .117         \$522MM         .157         \$542M         .157								
505SW-M.         210         530BA7W.         117         5522MM.         157         5539W.         159           505SW-NNONC.         210         530BA9W.         117         5522W.         157         5540         157           505SW-NNONC.         210         530BA9W.         117         5523         159         5540M.         157           51-7272.         6         530CS.         119         5523M.         159         5540M.         157           5100BSW.         117         530CSW.         117         5523M.         159         5540W.         157           5100BSW.         117         530CT         119         5523W.         159         5541M.         159           5100BSW.         117         530CT         119         5522M.         157         5541M.         159           5100CSW.         117         530C9W.         117         5524M.         157         5541M.         159           5100CSW.         117         530MISW.         117<								
505SW-N         210         530BA9         119         5522W         157         5540         157           505SW-NNONC         210         530BA9W         117         5523         159         5540M         157           51-7272         6         530CS         119         5523M         159         5540M         157           5100BSW         117         530CSW         117         5523M         159         5540M         157           5100BSW         117         530CTW         117         5523W         159         5541         159           5100BSW         117         530CTW         117         5524         157         5541M         159           5100CSW         117         530CS         119         5524M         157         5541M         159           5100CSW         117         530CS         119         5524M         157         5541M         159           5100CSW         117         530MI5W         117         5524M         157         5542W         157           5100MISW         117         530MI5W         117         5525M         159         5542M         157           5100MISW         117         <								
505SW-NNONC         210         530BA9W         117         5523         159         5540M         157           51-7272         6         530C5         119         5523M         159         5540NM         157           5100BSW         117         530C5W         119         5523M         159         5540NM         157           5100BSW         117         530C7         119         5523W         159         5541         159           5100CSW         117         530C7W         117         5524W         157         5541M         159           5100CSW         117         530C9W         117         5524M         157         5541MM         159           5100CSW         117         530G9W         117         5524MM         157         5541W         159           5100MISW         117         530MISW         117         5524MM         157         5542W         157           5100MISW         117         530MISW         117         5524W         157         5542W         157           5100MISW         117         530MISW         117         5525M         159         5542WM         157           5100PSW         117 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
51-7272         6         530CS         119         5523M         159         5540MM         157           5100B5W         117         530CSW         117         5523MM         159         5540W         157           5100B7W         117         530C7         119         5523W         159         5541         159           5100B9W         117         530C9         119         5524M         157         5541M         159           5100CSW         117         530C9         119         5524M         157         5541M         159           5100C9W         117         530MI5         119         5524W         157         5541W         159           5100C9W         117         530MI5         119         552EW         157         5542         157           5100MISW         117         530MISW         117         552E         159         5542M         157           5100MISW         117         530MISW         117         552E         159         5542M         157           5100MISW         117         530MISW         117         552E         159         5542M         157           5100MISW         117 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
5100B7W         117         530C7         119         5523W         159         5541         159           5100BSW         117         530C7W         117         5524         157         5541M         159           5100CSW         117         530C9W         119         5524M         157         5541M         159           5100CSW         117         530MIS         119         5524W         157         5541W         159           5100MISW         117         530MISW         117         5524W         157         5542W         157           5100MI7W         117         530MISW         117         5525         159         5542M         157           5100MI7W         117         530MI7W         117         5525M         159         5542M         157           5100PW         117         530MI7W         117         5525M         159         5542W         157           5100PW         117         530MI9W         119         5525M         159         5543M         159           5100PW         117         530MI9W         117         5526         157         5543M         159           5100PW         117         <								
5100B9W.         117         530C7W.         117         5524         157         5541M.         159           5100C5W.         117         530C9         119         5524M.         157         5541MM.         159           5100C7W.         117         530C9W.         117         5524MM.         157         5541W.         159           5100C9W.         117         530MIS         119         5524W.         157         5542         157           5100MISW.         117         530MISW.         117         5525         159         5542MM.         157           5100MISW.         117         530MISW.         117         5525M.         159         5542MM.         157           5100MISW.         117         530MISW.         117         5525M.         159         5542MM.         157           5100MISW.         117         530MISW.         117         5525MM.         159         5542MM.         157           5100MISW.         117         530MISW.         117         5525MM.         159         5542MM.         157           5100PSW.         117         530MISW.         117         5526M.         157         5543MM.         159	5100B5W	117	530C5W	117	5523NM	159	5540W	157
5100C5W         117         530C9         119         5524M         157         5541NM         159           5100C7W         117         530C9W         117         5524MM         157         5541W         159           5100C9W         117         530MIS         119         5524W         157         5542         157           5100MISW         117         530MISW         117         5525         159         5542M         157           5100MI7W         117         530MI7         119         5525M         159         5542NM         157           5100MI7W         117         530MI7W         117         5525M         159         5542NM         157           5100PFW         117         530MI9W         117         5525M         159         5542NM         157           5100PFW         117         530MI9W         117         5526         157         5543M         159           5100PFW         117         530PS         119         5526M         157         5543M         159           5100PSW         117         530PS         119         5526M         157         5543M         159           5100PSW         117					5523W	159	5541	159
5100C7W.         117         530C9W.         117         5524NM.         157         5541W.         159           5100C9W.         117         530MI5         119         5524W.         157         5542         157           5100MISW.         117         530MI7         119         5525M.         159         5542M.         157           5100MISW.         117         530MI7W.         117         5525M.         159         5542M.         157           5100MISW.         117         530MI7W.         117         5525M.         159         5542W.         157           5100PSW.         117         530MI9W.         117         5526M.         159         5543         159           5100PSW.         117         530MI9W.         117         5526M.         157         5543M.         159           5100PSW.         117         530PSW.         117         5526M.         157         5543M.         159           5100RSW.         117         530PSW.         117         5526M.         157         5543M.         159           5100RSW.         117         530PTW.         117         5527M.         157         5544         157           510								
5100C9W.         117         530MI5         119         5524W.         157         5542         157           5100MISW.         117         530MISW.         117         5525         159         5542M.         157           5100MISW.         117         530MIFW.         119         5525M.         159         5542M.         157           5100MISW.         117         530MIFW.         117         5525M.         159         5542W.         157           5100MISW.         117         530MIFW.         117         5525M.         159         5542W.         157           5100PSW.         117         530MISW.         117         5526M.         159         5543M.         159           5100PSW.         117         530MISW.         117         5526M.         157         5543M.         159           5100RSW.         117         530PSW.         117         5526M.         157         5543M.         159           5100RSW.         117         530PSW.         117         5526M.         157         5543M.         159           5100RSW.         117         530PSW.         117         5526W.         157         5543W.         159 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>								
5100MISW         117         530MISW         117         5525         159         5542M         157           5100MIVW         117         530MIV         119         5525M         159         5542NM         157           5100PSW         117         530MIV         117         5525NM         159         5542W         157           5100PSW         117         530MI9W         119         5525W         159         5543         159           5100PSW         117         530MI9W         117         5526         157         5543M         159           5100PSW         117         530PS         119         5526M         157         5543M         159           5100RSW         117         530PS         119         5526M         157         5543M         159           5100RSW         117         530PS         119         5526M         157         5543M         159           5100RSW         117         530PS         119         5526M         157         5544         157           5100RSW         117         530PS         119         5527M         159         5544M         157           5149         226         53								
5100MI7W         117         530MI7         119         5525M         159         5542NM         157           5100MISW         117         530MI7W         117         5525MM         159         5542W         157           5100P5W         117         530MI9W         119         5525W         159         5543M         159           5100P7W         117         530MI9W         117         5526         157         5543M         159           5100P9W         117         530P5         119         5526M         157         5543M         159           5100R5W         117         530P5W         117         5526NM         157         5543M         159           5100R5W         117         530P5W         117         5526NM         157         5543W         159           5100R7W         117         530P7         119         5526W         157         554W         157           51149         226         530P9         119         5527M         159         554W         157           5166         46, 49         530P5W         117         5527M         159         5545M         159           5169         46, 49								
5100MI9W         117         530MI7W         117         5525NM         159         5542W         157           5100P5W         117         530MI9         119         5525W         159         5543         159           5100P7W         117         530MI9W         117         5526         157         5543M         159           5100P7W         117         530P5         119         5526M         157         5543NM         159           5100R5W         117         530P5W         117         5526MM         157         5543NM         159           5100R7W         117         530P7         119         5526W         157         5543W         159           5100R7W         117         530P7W         117         5527         159         5544M         157           5100R9W         117         530P7W         117         5527M         159         5544M         157           5166         46, 49         530P9W         117         5527M         159         5545         159           5169         46, 49         530R5W         117         5528M         159         5545M         159           520BA5         118         <								
5100P5W         117         530MI9         119         5525W         159         5543         159           5100P7W         117         530MI9W         117         5526         157         5543M         159           5100P8W         117         530P5         119         5526M         157         5543M         159           5100R5W         117         530P5W         117         5526MM         157         5543W         159           5100R7W         117         530P7W         119         5526W         157         5544W         157           5100R9W         117         530P7W         117         5527         159         5544M         157           51149         226         530P9         119         5527M         159         5544W         157           5166         46, 49         530P9W         117         5527M         159         5545W         159           5169         46, 49         530R5W         117         5528W         159         5545M         159           5176         46, 49         530R5W         117         5528         157         5545W         159           520BA5         118         530R								
5100P7W         117         530Ml9W         117         5526         157         5543M         159           5100P9W         117         530P5         119         5526M         157         5543NM         159           5100R5W         117         530P5W         117         5526NM         157         5544W         159           5100R9W         117         530P7W         119         5526W         157         5544         157           5100R9W         117         530P7W         117         5527         159         5544M         157           51149         226         530P9         119         5527M         159         5544W         157           5166         46, 49         530P9W         117         5527NM         159         5545W         159           5169         46, 49         530R5W         119         5527NM         159         5545M         159           5176         46, 49         530R5W         117         5528         157         5545W         159           520BA5         118         530R7         119         5528M         157         5546W         157           520BA7         116         530								
5100P9W         117         530P5         119         5526M         157         5543NM         159           5100R5W         117         530P5W         117         5526MM         157         5543W         159           5100R7W         117         530P7W         119         5526W         157         5544W         157           5100R9W         117         530P7W         117         5527         159         5544M         157           51149         226         530P9         119         5527M         159         5544W         157           5166         46, 49         530P9W         117         5527NM         159         5545         159           5169         46, 49         530R5         119         5527W         159         5545M         159           5176         46, 49         530R5W         117         5528         157         5545W         159           520BA5         118         530R7W         119         5528M         157         5546W         157           520BA7W         116         530R5W         117         5528M         157         5546M         157           520BA9         118         5352								
5100R5W         117         530P5W         117         5526NM         157         5543W         159           5100R7W         117         530P7         119         5526W         157         5544         157           5100R9W         117         530P7W         117         5527         159         5544M         157           51149         226         530P9         119         5527M         159         5544W         157           5166         46, 49         530P9W         117         5527MM         159         5545         159           5169         46, 49         530R5         119         5527W         159         5545M         159           5176         46, 49         530R5W         117         5528         157         5545W         159           520BA5         118         530R7W         119         5528M         157         5546W         157           520BA7         118         530R7W         117         5528M         157         5546M         157           520BA7W         116         530R9W         117         5529W         157         5546M         157           520BA9         118         5352DW<								
5100R9W         117         530P7W         117         5527         159         5544M         157           51149         226         530P9         119         5527M         159         5544W         157           5166         46, 49         530P9W         117         5527NM         159         5545         159           5169         46, 49         530R5W         119         5527W         159         5545M         159           5176         46, 49         530R5W         117         5528         157         5545W         159           520BA5         118         530R7         119         5528M         157         5546W         157           520BA5W         116         530R7W         117         5528M         157         5546M         157           520BA7W         118         530R9         119         5528M         157         5546M         157           520BA9         118         530R9W         117         5529         159         5546W         157           520BA9         118         5352DW         77         5529M         159         5547         159           520BA9W         116         5361DW <td>5100R5W</td> <td> 117</td> <td>530P5W</td> <td> 117</td> <td>5526NM</td> <td> 157</td> <td></td> <td></td>	5100R5W	117	530P5W	117	5526NM	157		
51149         226         530P9         119         5527M         159         5544W         157           5166         46, 49         530P9W         117         5527MM         159         5545         159           5169         46, 49         530R5         119         5527W         159         5545M         159           5176         46, 49         530R5W         117         5528         157         5545W         159           520BA5         118         530R7         119         5528M         157         5546         157           520BA5W         116         530R7W         117         5528NM         157         5546M         157           520BA7         118         530R9         119         5528W         157         5546MM         157           520BA7W         116         530R9W         117         5529         159         5546W         157           520BA9         118         5352DW         77         5529M         159         5547M         159           520CS         118         5362DW         77         5529M         159         5547MM         159           520CS         118         5362DW	5100R7W	117	530P7	119			5544	157
5166         46, 49         530P9W         117         5527NM         159         5545         159           5169         46, 49         530R5         119         5527W         159         5545M         159           5176         46, 49         530R5W         117         5528         157         5545W         159           520BA5         118         530R7         119         5528M         157         5546         157           520BA5W         116         530R7W         117         5528MM         157         5546M         157           520BA7         118         530R9         119         5528W         157         5546NM         157           520BA7W         116         530R9W         117         5529         159         5546W         157           520BA9         118         5352DW         77         5529M         159         5547W         159           520BA9W         116         5361DW         77         5529M         159         5547M         159           520CS         118         5362DW         77         5529W         159         5547NM         159           520CSW         116         5366								
5169         46, 49         530R5         119         5527W         159         5545M         159           5176         46, 49         530R5W         117         5528         157         5545W         159           520BA5         118         530R7         119         5528M         157         5546         157           520BA5W         116         530R7W         117         5528NM         157         5546M         157           520BA7         118         530R9         119         5528W         157         5546MM         157           520BA7W         116         530R9W         117         5529         159         5546W         157           520BA9         118         5352DW         77         5529M         159         5547         159           520BA9W         116         5361DW         77         5529M         159         5547M         159           520CS         118         5362DW         77         5529W         159         5547NM         159           520CSW         116         5366         46, 73         5530         157         5547W         159								
5176         46, 49         530R5W         117         5528         157         5545W         159           520BA5         118         530R7         119         5528M         157         5546         157           520BA5W         116         530R7W         117         5528M         157         5546M         157           520BA7         118         530R9         119         5528W         157         5546NM         157           520BA7W         116         530R9W         117         5529         159         5546W         157           520BA9         118         5352DW         77         5529M         159         5547         159           520BA9W         116         5361DW         77         5529M         159         5547M         159           520CS         118         5362DW         77         5529W         159         5547NM         159           520CSW         116         5366         46,73         5530         157         5547W         159						159		
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555   159   5595-005W   160   5624M   157   60W64   44   4555M   159   5595-006   160   5624M   157   611   43   43   555M   159   5595-006W   160   5624M   157   61430   6   6565   159   5595-007   160   5624W   157   61430A163   6   6   656   157   5595-007   160   5625   159   61430B163   6   6   6565   157   5595-008   160   5625   159   61430B163   6   6   6556M   157   5595-008   160   5625M   159   61430D163   6   6   6556M   157   5595-008   160   5625M   159   61430D163   6   6   6556M   157   5595-008   160   5625M   159   61430D163   6   6   6556M   157   5599   160   5625M   159   61431   6   6   6557M   159   5600   160   5625M   210   61432   6   6   6   6557M   159   5601   160   5628M   210   61432   6   6   6   6557M   159   5601   160   5628M   211   61435   6   6   6557M   159   5602   160   5630M   211   61436   6   6   6557M   159   5603   160   5630M   211   61436   6   6   6557M   159   5603   160   5630M   211   61436   6   6   6557M   159   5603   160   5630M   211   6330CRN   44   6558M   157   5604   160   5631M   211   6336CRN   44   6558M   157   5604   160   5631M   211   6336CRN   44   6558M   157   5608A5   119   5632M   211   636CRN   46   6558M   157   5608A5   119   5632M   211   636CRN   46   6558M   157   5608A5   119   5633M   209-210, 213   636CRN   46   6559M   159   560BA7   117   5633M   209-210, 213   636CRN   46   6559M   159   560BA7   117   5633M   209-213   6370CR   46   650M   157   560CSW   117   5635M   209-213   6370CR   46   650M   157   560CSW   117   5636M   209-213   6370CR   46   650M   157   560CSW   117   5636M   209-213   6370CR   46   650M   157   560CSW   117   5636M   209-213   63W61   46   650M   157   560CSW   117   5636M   209-213   63W61   46   650W   157   560CSW   117   563SM   209-213   63W61   46   650W   159   560MSW   117   563SM   209-213   63W64   46   650W   159								
555M         159         5595-006         160         5624M         157         611         4.4           555M         159         5595-006W         160         5624M         157         61430         6           555W         159         5595-007W         160         5624W         157         61430A163         6           6556M         157         5595-007W         160         5625M         159         61430B163         6           556M         157         5595-008W         160         5625M         159         61430D163         6           5556M         157         5595-008W         160         5625M         159         61430D163         6           5556W         157         5599         160         5625M         159         61430R1         6           5557W         159         5600         160         5628M         210         61432         6           5577W         159         5603         160         5631M         211         61435         6           557W         159         5603         160         5631M         211         61435         6           558B         157         5604			5595-005	160	5623W	159		
555NM         159         5595-00FW         160         5624MM         157         61430 163         6           6556W         159         5595-007         160         5624W         157         61430163         6           6556         157         5595-008W         160         5625M         159         61430163         6           656MM         157         5595-008W         160         5625MM         159         61430RT         6           556MM         157         5595-008W         160         5625MM         159         61430RT         6           555FW         157         5599         160         5625MM         159         61431         6           557         159         5600         160         5628M         210         61435         6           557M         159         5601         160         5630M         211         61435         6           557W         159         5602         160         5630M         211         61435         6           557W         159         5603         160         5631MM         211         633         7           558         157         5604         80 </td <td>555</td> <td> 159</td> <td>5595-005W</td> <td> 160</td> <td><u>5624</u></td> <td> 157</td> <td>60W64</td> <td> 46, 115</td>	555	159	5595-005W	160	<u>5624</u>	157	60W64	46, 115
5556	555M	159	5595-006	160	5624M	157	611	43
555W. 159 5595-007. 160 5624W. 157 61430A163 6 6 5566 157 5595-007W. 160 5625 159 61430B163 6 6 5556M. 157 5595-008W. 160 5625M. 159 61430B163 6 6 5556M. 157 5595-008W. 160 5625M. 159 61430B163 6 6 5556W. 157 5595-008W. 160 5625M. 159 61430B163 6 6 5556W. 157 5599 160 5625M. 159 61430B163 6 6 5556W. 157 5599 160 5625M. 159 61430B163 6 6 5557M. 159 5600 160 5628M. 210 61432 6 6 557M. 159 5601 160 5630M. 211 61435 6 6 557MM. 159 5602 160 5630M. 211 61435 6 6 557MM. 159 5602 160 5630M. 211 61436 6 6 557W. 159 5603 160 5631M. 211 6333. 76 558M. 157 5604 160 5631M. 211 6333. 76 558M. 157 5604 160 5631M. 211 6336CRN. 44 558M. 157 5609 160 5632M. 211 636CRN. 44 558M. 157 5609 160 5632M. 211 636CRN. 44 5558M. 157 5608A5 119 5633MM. 211 6364CRN. 46 5558M. 157 560BASW. 117 5633M. 209-210, 213 636CRN. 46 559M. 159 560BASW. 117 5633M. 209-210, 213 636CRN. 46 559M. 159 560BASW. 117 5633M. 209-210, 213 636CRN. 46 559M. 159 560BASW. 117 5633MM. 209, 213 637CCR. 44 6559M. 159 560BASW. 117 5633MM. 209, 213 637CCR. 44 6559MM. 159 560BASW. 117 5633MM. 209, 213 637CCR. 44 6559MM. 159 560BASW. 117 5633MM. 209, 213 637CCR. 44 6560M. 157 560CSW. 117 5635MM. 209, 213 637CCR. 44 6560M. 157 560CSW. 117 5635MM. 209, 213 637CCR. 44 6560M. 157 560CSW. 117 5635MM. 209, 213 637CCR. 44 6560M. 157 560CSW. 117 5635MM. 209, 213 637CCR. 44 6560M. 157 560CSW. 117 5635MM. 209, 213 63W60. 44 6560M. 157 560CSW. 117 5635MM. 209, 213 63W61. 44 6560MM. 157 560CSW. 117 5635MM. 209, 213 63W61. 44 6560MM. 157 560CSW. 117 5635MM. 209, 213 63W61. 44 6560MM. 159 560CSW. 117 5635MM. 209, 213 63W61. 44 6560MM. 159 560CSW. 117 5635MM. 209, 213 63W61. 44 6560MM. 159 560CSW. 117 5635MM. 209, 213 63W61. 44 6560MM. 159 560CSW. 117 5635MM. 209, 213 63W61. 44 6560MM. 159 560CSW. 117 5635MM. 209, 213 63W61. 44 6560MM. 159 560MISW. 117 5635MM. 209, 213 63W61. 44 6560MM. 159 560MISW. 117 5635MM. 209, 213 63W61. 44 6560MM. 159 560MISW. 117 5636MM. 209, 213 64W04. 44 6560MMM. 159 560MISW. 117 5665WM. 119 5635MMM. 209, 213 64W04. 44 6568 159 560MISW. 117 5662DW. 62 64W44. 4	555NM	159	5595-006W	160	5624NM	157	61430	6
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6566M         157         5595-008         160         5625M         159         61430D163         6           556NM         157         5595-008W         160         5625MM         159         61430RT         6           656W         157         5599         160         5625M         159         61431         6           557T         159         5600         160         5628M         210         61432         6           557TM         159         5601         160         5630MM         211         61435         6           557TM         159         5602         160         5630MM         211         61435         6           557TM         159         5603         160         5631M         211         61435         6           557TW         159         5603         160         5631M         211         633         76           558M         157         5604         160         5631MM         211         636CRN         44           558M         157         560BA5         119         5632MM         211         636CRN         44           5589         159         560BA5         117	556	157						
556MM         157         5595-008W         160         5625NM         159         61430RT         6           556W         157         5599         160         5625W         159         61431         6           557M         159         5600         160         5628M         210         61432         6           557M         159         5601         160         5630M         211         61435         6           557M         159         5602         160         5630M         211         61436         6           557W         159         5602         160         5631M         211         633         76           558         157         5604         160         5631M         211         6360CRN         46           558M         157         5609         160         5632M         211         6361CRN         46           558M         157         5608A5         119         5632M         211         6361CRN         46           558W         157         5608A5W         117         5633M         209-210,213         6365CRN         46           559M         159         5608A7         119								
6566W         157         5599         160         5625W         159         61431         6           5577         159         5600         160         5628M         210         61432         6           557M         159         5601         160         5630M         211         61435         6           657NM         159         5602         160         5630NM         211         61436         6           557W         159         5603         160         5631M         211         6333         77           558         157         5604         160         5631M         211         6360CRN         46           558M         157         5609         160         5631M         211         6360CRN         46           558M         157         5608A5         119         5632NM         211         6364CRN         46           558W         157         5608A5         119         5632NM         211         6364CRN         46           558W         157         5608A5         119         5633M         209-210,213         6365CRN         46           5589M         159         5608A7         119								
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557M         159         5601         160         5630M         211         61435         6           557MM         159         5602         160         5630NM         211         61436         6           557W         159         5603         160         5631M         211         633         76           558         157         5604         160         5631M         211         6360CRN         46           558M         157         5609         160         5632M         211         6361CRN         46           558W         157         560BA5         119         5632M         211         6364CRN         46           558W         157         560BA5         119         5633M         209-210,213         6365CRN         46           559W         159         560BA7         119         5633M         209-210,213         6369CR         46           559M         159         560BA7         119         5634M         209,213         6375CR         46           559M         159         560BA9         119         5634M         209,213         6375CR         46           559W         159         560BA9								
557NM         159         5602         160         5630NM         211         61436         6           557W         159         5603         160         5631M         211         633         77           558         157         5604         160         5631M         211         6360CRN         46           558M         157         5609         160         5632M         211         6361CRN         46           558NM         157         560BA5         119         5632NM         211         6364CRN         46           558W         157         560BA5         119         5632NM         209-210, 213         6365CRN         46           559         159         560BA7         119         5633M         209-210, 213         6369CR         46           559M         159         560BA7         117         5634M         209, 213         6370CR         46           559M         159         560BA7         117         5634M         209, 213         637CCR         46           559M         159         560BA9         119         5634NM         209, 213         637CCR         46           559W         159         56								
557W.         159         5603         160         5631M.         211         633         76           5588         157         5604         160         5631NM.         211         6360CRN.         44           558M.         157         5609         160         5632M.         211         6361CRN.         46           558M.         157         560BA5         119         5632M.         211         6364CRN.         46           558W.         157         560BA5W.         117         5633M.         209-210, 213         6365CRN.         46           559M.         159         560BA7         119         5633NM.         209, 213         6369CR.         46           559M.         159         560BA9         117         5634NM.         209, 213         6370CR.         46           559W.         159         560BA9         119         5634NM.         209, 213         6370CR.         46           559W.         159         560BA9W.         117         5635M.         209, 213         637CR.         46           560         157         560C5         119         5635NM.         209, 213         63W61.         46           560M.								
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558M         157         5609         160         5632M         211         6361CRN         46           558MM         157         560BA5         119         5632MM         211         6364CRN         46           558W         157         560BA5W         117         5633M         209-210,213         6365CRN         46           559         159         560BA7         119         5633MM         209,213         6369CR         46           559M         159         560BA7W         117         5634MM         209,213         6370CR         46           559M         159         560BA9         119         5634MM         209,213         637CR         46           559W         159         560BA9         119         5635MM         209-210,213         637CR         46           569W         157         560CS         119         5635MM         209,213         637CR         46           560M         157         560CS         119         5635MM         209,213         63W60         44           560M         157         560CS         119         5636MM         209,213         63W61         46           560W         157								
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67W476F         76         803000A09M020         230         885031A09M020         230         92433         194,196-197           67W48         46,86         803001A09M020         230         885032A09M020         230         92433-1533         197           67W49         46,86         803000A09M020         230         885032A09M020         230         92433-1547         197           67W64         46,113         803007A09M020         230         8A4000-31         232         92433-3000         196           67W75         46,90         80400A0049M020         230         8A4000-31         232         92433-3000         196           67W76         46,90         80400A0049M020         230         8A4001-31         232         92434         194           67W81         46,90         80400A00A09M020         230         8A4000-31         232         92444         194           67W82         46,94         804000A00A09M020         230         8A4007-31         232         92444         194           67W82         46,94         80500A00A00A0         230         8A5000-31         232         92464         194           68W90         46,102         80500A0A00A0         8A5000-31	67W10	46, 82	80013	232			92411	194
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67W64								
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67W81								
67W81         46, 94         804007A09M020         230         8A4006-32         232         92443         194           67W82         46, 94         805000A09M020         230         8A4007-31         232         92444         194           67W83         46, 94         805001A09M020         230         8A5000-31         232         92463         194           68W08         46, 102         805006A09M020         230         8A5000-31         232         92464         194           68W09         46, 102         805007A09M020         230         8A5001-31         232         92481         194           68W47         46, 98         8500         31         8A5006-31         232         92483         194           68W48         46, 98         85000         54         8A5006-31         232         92483         194           68W49         46, 98         85002         54         8A5007-31         232         92501AN         198           68W74         46, 106         8500M         31         8R300A18A120         230         9251AN         198           68W75         46, 106         8505         31         8R3A00A18A120         230         232 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>								
67W83. 46, 94 805001A09M020 230 8A5000-31. 232 92463 194 68W08. 46, 102 805006A09M020 230 8A5000-32. 232 92464 194 68W09. 46, 102 805007A09M020 230 8A5001-31. 232 92481 194 68W47. 46, 98 8500 31 8A5006-31. 232 92482 194 68W48. 46, 98 85000 54 8A5006-31. 232 92483 194 68W48. 46, 98 85000 54 8A5006-31. 232 92483 194 68W49. 46, 98 85000 54 8A5006-31. 232 92501AN 198 68W74. 46, 106 8500M 31 8R3006A18A120 230 92502N 198 68W75. 46, 106 8505 31 8R3006A18A120 230 92502N 198 68W75. 46, 106 8505 31 8R300A18A120 230 92511AN 198 68W76. 46, 106 85053 75 8R400A18A120 230, 232 9251AN 198 68W77. 46, 106 8506M 31 8R5006A18A120 230, 232 9251AN 198 68W81. 46, 110 8506 31 8R5006A18A120 230, 232 9251AN 198 68W82. 46, 110 8506M 31 8R5006A18A120 230, 232 92526AN 198 68W82. 46, 110 8506M 31 8R5006A18A120 230, 232 92526AN 198 68W82. 46, 110 8506M 31 8R5006A18A120 230, 232 92526AN 198 68W83. 46, 110 8506M 31 910_123 201 9253. 194-197 69W08. 46, 102 8510 31 910_123 201 9253-160US. 195 69W09 46, 102 8510 31 910_143 201 9253-160US. 195 69W09 46, 102 8511 31 910_143 201 9253-160US. 195 69W47 46, 98 85125 55 911_123 201 9253-160US. 196 69W47 46, 98 85125 55 911_123 201 9253-160US. 196 69W49 46, 98 85125 55 911_123 201 9253-160US. 196 69W49 46, 98 85125 55 911_123 201 9253-160US. 196 69W49 46, 98 85125 55 911_143 201 9253-160US. 196 69W49 46, 98 85125 55 911_123 201 9253-160US. 196 69W49 46, 98 85125 55 911_123 201 9253-160US. 196 69W49 46, 98 85125 55 911_123 201 9253-100US. 196 69W60 46, 113 85269U. 55 912_122 201 9253-3000. 196 69W60 46, 113 85269U. 55 912_122 201 9253-3000. 196 69W60 46, 113 85269U. 55 912_122 201 9253-3000. 196 69W64 46, 113 85269U. 55 912_142 201 92534N 198 69W74 46, 106 8530M 42 913 201 92534N 198 69W75 46, 106 8530M 42 913 201 92534N 198 69W75 46, 106 8530M 42 913 201 92534N 198 69W75 46, 106 8530M 42 913 201 92534N 198 69W75 46, 106 8530M 42 913 201 92534N 198 69W75 46, 106 8530M 42 913 201 92534N 198 69W75 46, 106 8530M 42 913 201 92534N 198 69W75 46, 106 8530M 42 913 201 92535AN 198 69W75 46, 106 8530M 42 913 201 9								
68W08         46, 102         805006A09M020         230         8A5000-32         232         92464         194           68W09         46, 102         805007A09M020         230         8A501-31         232         92481         194           68W47         46, 98         85000         31         8A5006-31         232         92482         194           68W48         46, 98         85000         54         8A5006-32         232         92483         194           68W49         46, 98         85002         54         8A5006-31         232         92501AN         198           68W74         46, 106         8500M         31         8R3006A18A120         230         92501AN         198           68W75         46, 106         8505         31         8R3A00A18A120         230         92511AN         198           68W77         46, 106         85053         75         8R400A18A120         230, 232         92512AN         198           68W81         46, 110         8506M         31         8R5006A18A120         230, 232         92526AN         198           68W83         46, 10         8506M         31         8R5000A18A120         230, 232         92526AN <td>67W82</td> <td> 46, 94</td> <td>805000A09M020</td> <td> 230</td> <td>8A4007-31</td> <td> 232</td> <td>92444</td> <td> 194</td>	67W82	46, 94	805000A09M020	230	8A4007-31	232	92444	194
68W09         46, 102         805007A09M020         230         8A5001-31         232         92481         194           68W47         46, 98         8500         31         8A5006-31         232         92482         194           68W48         46, 98         85000         54         8A5006-32         232         92483         194           68W74         46, 98         85002         54         8A5007-31         232         92501AN         198           68W75         46, 106         8500M         31         8R3006A18A120         230         92502N         198           68W76         46, 106         8505         31         8R3A00A18A120         230         9251AN         198           68W77         46, 106         85053         75         8R400A18A120         230, 232         92512AN         198           68W77         46, 106         85053         75         8R400A18A120         230, 232         92512BN         198           68W82         46, 110         8506         31         8R5006A18A120         230, 232         92526AN         198           68W83         46, 110         8506         31         8R5006A18A120         230, 232         92526AN	67W83	46, 94	805001A09M020	230	8A5000-31	232	92463	194
68W47         46, 98         8500         31         8A5006-31         232         92482         194           68W48         46, 98         85000         54         8A5006-32         232         92483         194           68W49         46, 98         85002         54         8A5007-31         232         92501AN         198           68W74         46, 106         8500M         31         8R3006A18A120         230         92502N         198           68W75         46, 106         85005         31         8R3A00A18A120         230         92511AN         198           68W76         46, 106         85050         55         8R4006A18A120         230, 232         92512AN         198           68W77         46, 106         85063         75         8R4A00A18A120         230, 232         92512BN         198           68W82         46, 110         8506         31         8R5006A18A120         230, 232         92526AN         198           68W83         46, 110         8507         31         8R5006A18A120         230, 232         92526AN         198           68W82         46, 110         8506         31         8R5006A18A120         230, 232         92526AN								
68W48         46, 98         85000         54         8A5006-32         232         92483         194           68W49         46, 98         85002         54         8A5007-31         232         92501AN         198           68W74         46, 106         8500M         31         8R300618A120         230         92502N         198           68W75         46, 106         8505         31         8R3000A18A120         230         92511AN         198           68W76         46, 106         85050         55         8R4006A18A120         230, 232         92512AN         198           68W77         46, 106         85053         75         8R4A00A18A120         230, 232         92512BN         198           68W81         46, 110         8506         31         8R50006A18A120         230, 232         92526BN         198           68W82         46, 110         8506M         31         8R50006A18A120         230, 232         92526BN         198           68W83         46, 110         8507         31         910         201         9253         194-197           69W08         46, 102         8511         31         910_123         201         9253-106US								
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68W74         .46, 106         8500M         31         8R3006A18A120         230         92502N         198           68W75         .46, 106         8505         .31         8R3A00A18A120         .230         92511AN         .198           68W76         .46, 106         85050         .55         8R4006A18A120         .230, 232         92512AN         .198           68W77         .46, 106         85053         .75         8R4A00A18A120         .230, 232         92512BN         .198           68W81         .46, 110         8506         .31         .8R5006A18A120         .230, 232         92526AN         .198           68W82         .46, 110         .8506M         .31         .8R5A00A18A120         .230, 232         92526AN         .198           68W83         .46, 110         .8507         .31         .910         .201         .9253         .194-197           69W89         .46, 102         .8510         .31         .910         .201         .9253-106US         .195           69W47         .46, 98         .8512         .31         .910         .201         .9253-1610S         .196           69W48         .46, 98         .85125         .55         .911         .								
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68W83         46,110         8507         31         910         201         9253         194-197           69W08         46,102         8510         31         910_123         201         9253-106US         195           69W09         46,102         8511         31         910_143         201         9253-1547         197           69W47         46,98         8512         31         911         201         9253-1610S         196           69W48         46,98         85125         55         911_123         201         9253-1621         195           69W49         46,98         85266         55         911_143         201         9253-3000         196           69W60         46,113         85266YL         55         912         201         9253-30706         197           69W62         46,113         85269         55         912_122         201         92531N         198           69W64         46,113         85269YL         55         912_142         201         92532N         198           69W74         46,106         8530M         42         913_123         201         9253N         198           69W75	68W81	46, 110					92526AN	198
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