

Lamp Sockets, Splice Savers, Weather-Pack, VF & DS Connections

Lamp Socket Features

- Advanced bulb to terminal interface technology
- Accommodates a wide variety of bulbs—B1, C2 bayonet, W2, W3 wedge, H7 with GT280 interface
- Available sealed or unsealed systems
- Multiple focal lengths
- Right angle or axial mounting features with easy assembly and release provisions

VF Series Features

- Accommodates a wide variety of devices
- Small overall dimensions
- Terminal Position Assurance (TPA)
- Connector Position Assurance (CPA)

DS Series Features

- Fuel injector applications
- High sealing protection
- Reliable electrical interface
- Secure locking mechanism

Weather-Pack Features

- Connector Position Assurance (CPA)
- Terminal Position Assurance (TPA)
- 20 Amps continuous maximum current rating
- Sealed system
- Pin and Sleeve configuration
- Dual locking tabs on terminals
- Low energy, low voltage capability
- -40°C to 125°C temperature range

Splice Saver Features

- Eliminates the need for solder
- Flexible configuration
- Uses 280 Metri-Pack or 150 GT terminals
- Uses ISO or SAE compatible terminals
- Low profile connector with cap lock
- Available in sealed/unsealed and grounded/non-grounded versions





Lamp Sockets

Lamp Sockets are a comprehensive and diverse product line featuring sophisticated connection systems technology. Available connection systems accommodate virtually every size and type of light bulb, as well as all varieties of bulb mounting features.



Wedge Base

Seal



Insert

Lamp Socket Application Guidelines

Primary Use	Application	Socket Style	Bulb Base Type	Bulb Size	Typical Lamp Number	Part Number(s)	Page Number	Description
Stop, Turn, Backup and Cornering Lights	Sealed	Right Angle	W-3 Wedge	S-8	3156	12160393 15354859*	6.4	Single Filament
Stop/Tail, Park/Turn, Backup Lights and Cornering Lights	Sealed	Right Angle	W-3 Wedge	S-8	3057	12160394, 12160395 15354864*, 15354865*	6.4	Dual Filament
Stop/Tail, Park/Turn, Backup Lights and Cornering Lights	Sealed	Axial	W-3 Wedge	S-8	3057	12191243, 15435155	6.5	Dual Filament
Glove Box, Ash Tray Instrument Illumination and Courtesy Lights	Unsealed	Axial	W-2 Wedge	T-3 1/4	194	12162223, 12059952	6.6	Single Filament
Side Marker Lamps, Backup and Center High Mounted Stop Lights	Sealed	Axial	W-2 Wedge	T-3 1/4	168	15317651, 15324946	6.7	Single Filament
	Sealed	Axial	W-2 Wedge	T5	912	15324946		Single Filament
Side Marker Lamps, Backup and Center High Mounted Stop Lights	Sealed	Right Angle	W-2 Wedge	T-3 1/4	168	12146418	6.7	Single Filament
Stop, Turn, Backup and Cornering Lights	Sealed	Right Angle	B-1 Bayonet	S-8	1156	12160386	6.8	Single Filament
Stop/Tail, Park/Turn, Backup Lights and Cornering Lights	Sealed	Right Angle	C-2 Bayonet	S-8	2057	12160390, 12160392	6.8	Dual Filament

* High temperature equivalent systems for continuously powered major filament applications.

Lamp Socket Bases

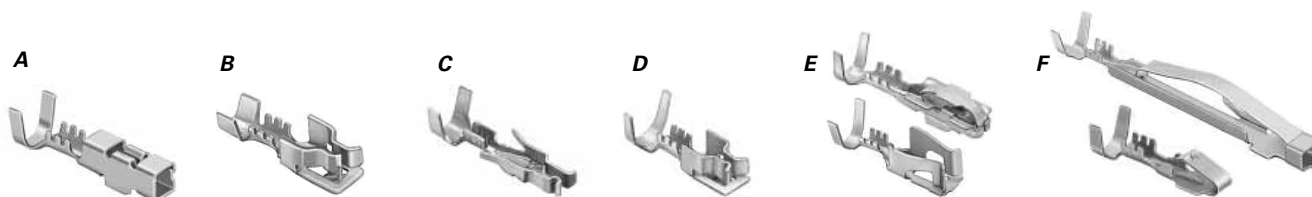
Part #	Application	Description	Color	Material	TPA	Insert	Seal
12160393	Sealed	W-3 Right Angle Wedge Base	Lt. Gray	PA66 HS IM	—	12177161	12129909*
12160394	Sealed	W-3 Right Angle Wedge Base	Cream	PA66 HS IM	—	12177163	12129909*
12160395	Sealed	W-3 Right Angle Wedge Base	Md. Gray	PA66 HS IM	—	12177163	12129909*
12191243	Sealed	W-3 Axial Wedge Base	Dk. Gray	PA66 HS IM 14% GF	15305473	—	12129909*
15435155	Sealed	W-3 Axial Wedge Base	Gray	PA66 HS IM 14% GF	15305473	—	12129909*
12162223	Unsealed	W-2 Axial Wedge Base	Clear	PC	12052490	—	—
12059952	Unsealed	W-2 Axial Wedge Base	Black	PA66 HS IM	15324722	—	—
15324946	Sealed	W-2 Axial Wedge Base	Dk. Gray	PA66 HS IM 14% GF	12110054	—	Part of 15324946 Asm
15317651	Sealed	W-2 Axial Wedge Base	Lt. Gray	PA66 HS 33% GF	12191522	—	15317652
12146418	Sealed	W-2 Right Angle Wedge Base	Lt. Gray	PA66 HS IM	—	15324428	12146398
12160386	Sealed	B-1 Right Angle Bayonet Base	Lt. Gray	PA66 HS IM	12129057	—	12129909*
12160390	Sealed	C-2 Right Angle Bayonet Base	Cream	PA66 HS IM	12129051	—	12129909*
12160392	Sealed	C-2 Right Angle Bayonet Base	Md. Gray	PA66 HS IM	12129051	—	12129909*

* When an unsealed application is required, use gasket 12020720 in place of seal 12129909.

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Lamp Sockets



Lamp Socket Terminals

Series	Type	Application	Cable Seal Series	Terminal Part #	Cable Range	Material	Plating
A							
W-2, W-3 Right Angle	—	Sealed	280	12066639	2.0-1.0	Tin Brass	Tin
W-2, W-3 Right Angle	—	Sealed	280	12066638	0.80-0.50	Tin Brass	Tin
W-2, W-3 Right Angle	—	Sealed	280	12186320	0.50-0.35	Tin Brass	Tin
B							
W-2 Axial	—	Unsealed	—	12089139	0.80-0.50	Brass	Copper/Tin
W-2 Axial	—	Unsealed	—	12089137	3.0	Brass	Copper/Tin
C							
W-2 Axial	—	Sealed	280	12176852	1.0-0.80	Brass	Tin
W-2 Axial	—	Sealed	280	12176853	0.50-0.35	Brass	Tin
D							
W-2 Axial	—	Sealed	480	12124471	1.0-0.80	Brass	Copper/Tin
W-2 Axial	—	Sealed	480	12124598	0.50-0.35	Brass	Copper/Tin
E							
W-3 Axial	Contact	Sealed	280	12092058	0.80-0.50	Tin Brass	Tin
W-3 Axial	Contact	Sealed	280	12088187	0.50-0.35	Tin Brass	Tin
W-3 Axial	Ground	Sealed	630	12092030	0.80-0.50	Tin Brass	Tin
F							
B-1, C-2	Contact	Sealed	280	12129052	1.0-0.80	Stainless Steel	Tin
B-1, C-2	Contact	Sealed	280	15304622	0.50-0.35	Stainless Steel	Tin
B-1, C-2	Ground	Sealed	280	12129053	1.0-0.80	Tin Brass	Tin
B-1, C-2	Ground	Sealed	280	15304621	0.50-0.35	Tin Brass	Tin



Metri-Pack Cable Seals

Series	Reel Part #	Loose Part #	Cable Diameter	Material	Color
280	12015284	15324982	2.85-2.03	Silicone	Green
280	12034365	15324983	1.70-1.29	Silicone	Dk. Red
280	12041352	15324984	2.42-2.03	Silicone	Tan
280	12089444	15324985	2.15-1.60	Silicone	Purple
480	12048433	15324988	2.85-2.01	Silicone	White
480	12052931	15324991	2.15-1.60	Silicone	Yellow
630	12077760	15324997	2.40-1.65	Silicone	Tan

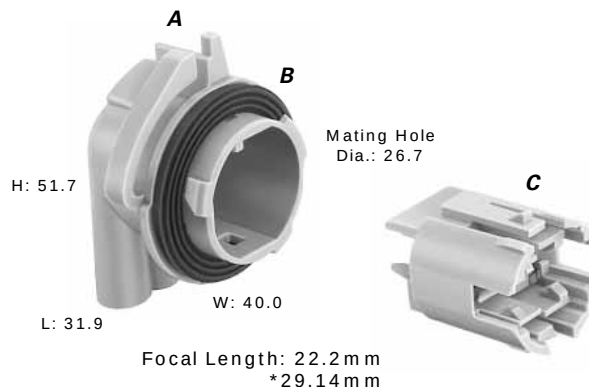
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Lamp Sockets

**A. Part No: 12160393 (Lt. Gray)
15326290 (Cream)
15326291* (Cream)**

Description:	W-3 Right Angle Wedge Base
Size:	26.7 Hole Dia. x 31.9L x 51.7H x 40.0W
Material:	PA66 HS IM
Terminals:	See A, Page 6.3
Seals:	280 Metri-Pack Cable Seals
Typical Lamp:	#3156
*Note:	Focal Length: 29.14mm.

**B. Part No: 12129909****

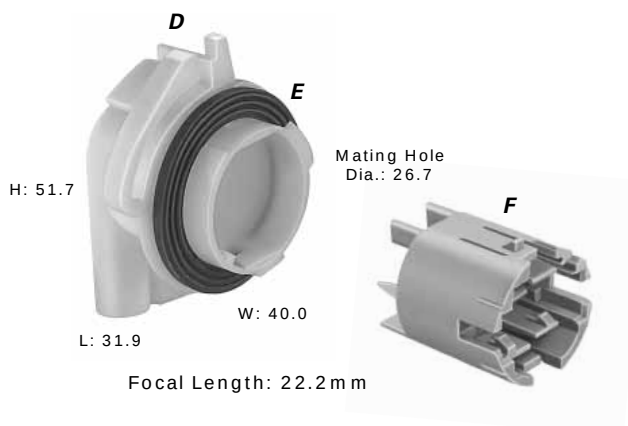
Description:	Seal
Color:	Black
Material:	EPDM

C. Part No: 12177161

Description:	Insert with Terminals
Color:	Lt. Gray
Material:	PA66 HS IM

D. Part No: 12160394

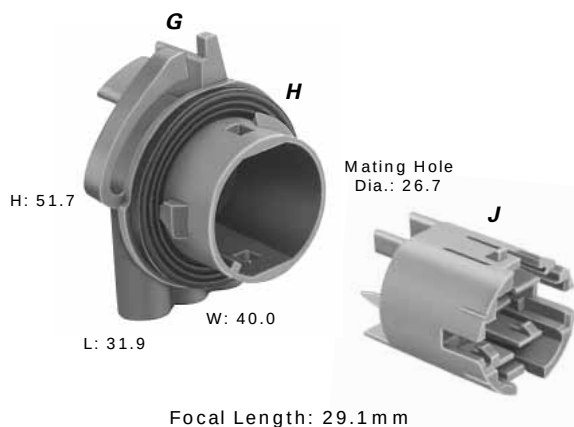
Description:	W-3 Right Angle Wedge Base
Size:	26.7 Hole Dia. x 31.9L x 51.7H x 40.0W
Color:	Cream
Material:	PA66 HS IM
Terminals:	See A, Page 6.3
Seals:	280 Metri-Pack Cable Seals
Typical Lamp:	#3057

**E. Part No: 12129909****

Description:	Seal
Color:	Black
Material:	EPDM

F. Part No: 12177163

Description:	Insert with Terminals
Color:	Beige
Material:	PA66 HS IM

**G. Part No: 12160395**

Description:	W-3 Right Angle Wedge Base
Size:	26.7 Hole Dia. x 31.9L x 51.7H x 40.0W
Color:	Md. Gray
Material:	PA66 HS IM
Terminals:	See A, Page 6.3
Seals:	280 Metri-Pack Cable Seals
Typical Lamp:	#3057

H. Part No: 12129909*

Description:	Seal
Color:	Black
Material:	EPDM

J. Part No: 12177163

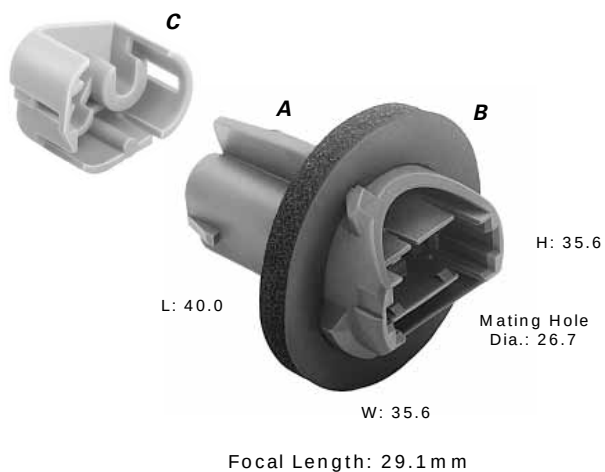
Description:	Insert
Color:	Beige
Material:	PA66 HS IM

**When an unsealed application is required, use gasket 12020720 in place of seal 12129909.

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Lamp Sockets


A. Part No: 12191243

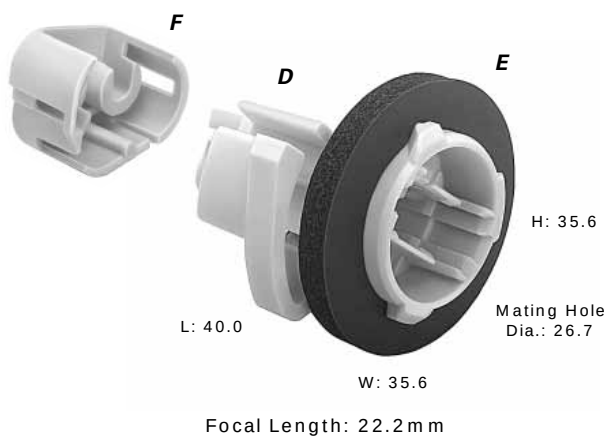
Description:	W-3 Axial Wedge Base
Size:	26.7 Hole Dia. x 40.0L x 35.6H x 35.6W
Color:	Dk. Gray
Material:	PA66 HS IM 14% GF
Terminals:	See E, Page 6.3 (2 Contacts, 1 Ground)
Seals:	280 and 630 Metri-Pack Cable Seals
Typical Lamp:	#3057

B. Part No: 12129909*

Description:	Seal
Color:	Black
Material:	EPDM

C. Part No: 15305473

Description:	TPA
Color:	Lt. Gray
Material:	PA66 HS IM


**D. Part No: 15435155 (Gray)
15485094 (Black)**

Description:	W-3 Axial Wedge Base
Size:	26.7 Hole Dia. x 40.0L x 35.6H x 35.6W
Material:	PA66 HS IM 14% GF
Terminals:	See E, Page 6.3 (2 Contacts, 1 Ground)
Seals:	280 and 630 Metri-Pack Cable Seals
Typical Lamp:	#3057

E. Part No: 12129909*

Description:	Seal
Color:	Black
Material:	EPDM

F. Part No: 15305473

Description:	TPA
Color:	Lt. Gray
Material:	PA66 HS IM

*When an unsealed application is required, use gasket 12020720 (pictured) in place of seal 12129909.

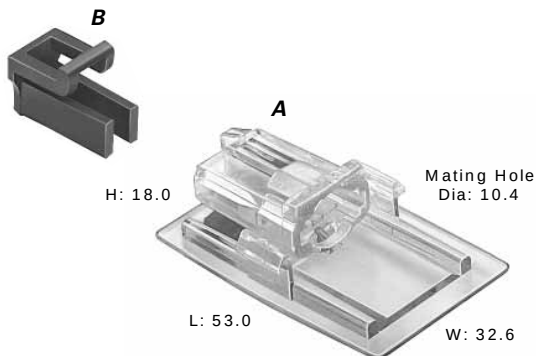
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Lamp Sockets

**A. Part No: 12162223 (Clear)
12162222 (White)**

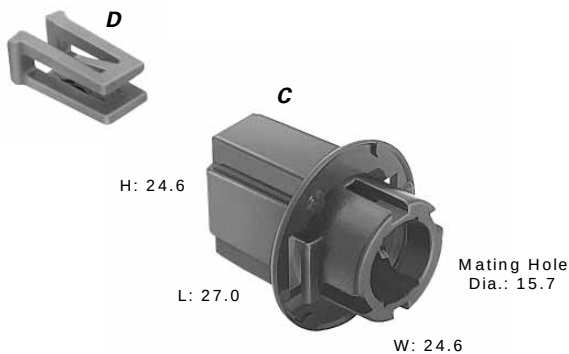
Description:	W-2 Axial Wedge Base
Size:	10.4 Hole Dia. x 53.0L x 18.0H x 32.6W
Material:	PC
Terminals:	See B, Page 6.3
Typical Lamp:	#194

**B. Part No: 12052490**

Description:	TPA
Color:	Black
Material:	PA6

C. Part No: 12059952

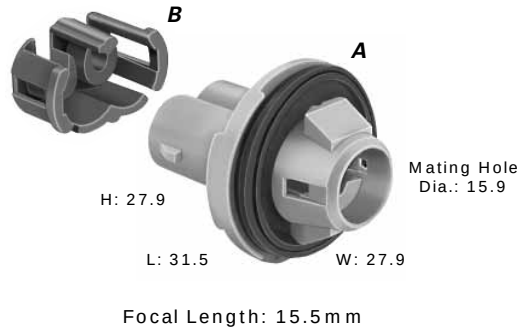
Description:	W-2 Axial Wedge Base
Size:	15.7 Hole Dia. x 27.0L x 24.6H x 24.6W
Color:	Black
Material:	PA66 HS IM
Terminals:	See B, Page 6.3
Typical Lamp:	#194

**D. Part No: 15324722**

Description:	TPA
Color:	Red
Material:	PBT HS IM

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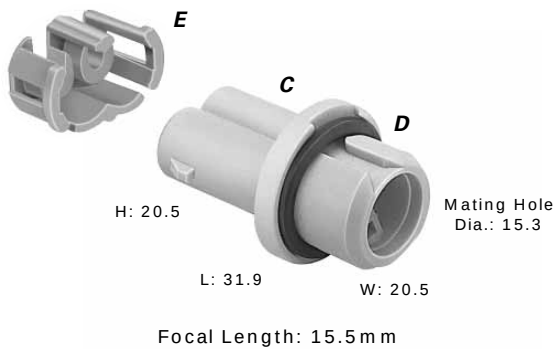
Lamp Sockets


A. Part No: 15324946*

Description:	W-2 Axial Wedge Base
Size:	15.9 Hole Dia. x 31.5L x 27.9H x 27.9W
Color:	Dk. Gray
Material:	PA66 HS IM 14% GF
Terminals:	See D, Page 6.3
Seals:	480 Metri-Pack Cable Seals
Typical Lamp:	#168 or #912

B. Part No: 12110054

Description:	TPA
Color:	Black
Material:	PA66 HS IM
*12146398 seal part of 15324946 assembly	


C. Part No: 15317651

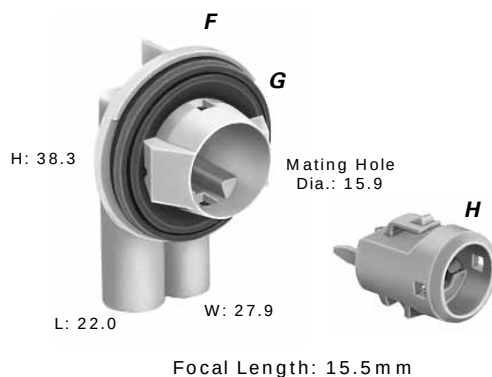
Description:	W-2 Axial Wedge Base
Size:	15.3 Hole Dia. x 31.9L x 20.5H x 20.5W
Color:	Lt. Gray
Material:	PA66 HS 33% GF
Terminals:	See C, Page 6.3
Seals:	280 Metri-Pack Cable Seals
Typical Lamp:	#194

D. Part No: 15317652

Description:	O-Ring
Color:	Black
Material:	EPDM

E. Part No: 12191522

Description:	TPA
Color:	Blue
Material:	PA66 HS IM


F. Part No: 12146418

Description:	W-2 Right Angle Wedge Base
Size:	15.9 Hole Dia. x 22.0L x 38.3H x 27.9W
Color:	Lt. Gray
Material:	PA66 HS IM
Terminals:	See A, Page 6.3
Seals:	280 Metri-Pack Cable Seals
Typical Lamp:	#168

G. Part No: 12146398

Description:	Seal
Color:	Black
Material:	Santoprene

H. Part No: 15324428

Description:	Insert
Color:	Lt. Gray
Material:	PA66

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Lamp Sockets

A. Part No: 12160386

Description: B-1 Right Angle Bayonet Base
Size: 26.8 Hole Dia. x 27.2L x 62.6H x 41.1W
Color: Lt. Gray
Material: PA66 HS IM
Terminals: See F, Page 6.3 (1 Contact, 1 Ground)
Seals: 280 Metri-Pack Cable Seals
Typical Lamp: #1156

B. Part No: 12129909*

Description: Seal
Color: Black
Material: EPDM

C. Part No: 12129057

Description: TPA
Color: Blue
Material: PA66 HS IM

D. Part No: 12160390

Description: C-2 Right Angle Bayonet Base
Size: 26.8 Hole Dia. x 27.2L x 62.6H x 41.1W
Color: Cream
Material: PA66 HS IM
Terminals: See F, Page 6.3 (2 Contacts, 1 Ground)
Seals: 280 Metri-Pack Cable Seals
Typical Lamp: #2057

E. Part No: 12129909*

Description: Seal
Color: Black
Material: EPDM

F. Part No: 12129051

Description: TPA
Color: Blue
Material: PA66 HS IM

G. Part No: 12160392

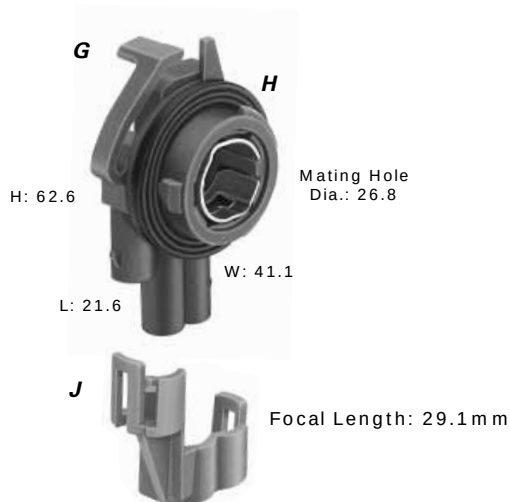
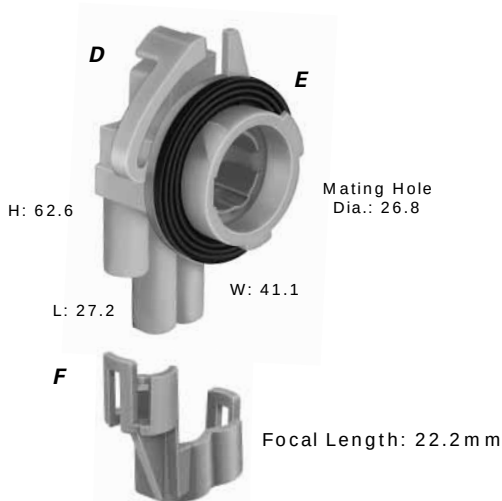
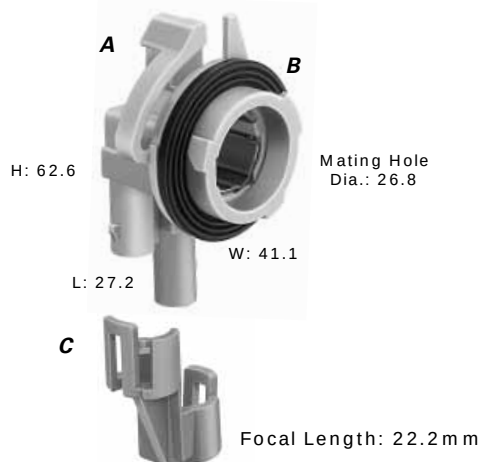
Description: C-2 Right Angle Bayonet Base
Size: 26.8 Hole Dia. x 21.6L x 62.6H x 41.1W
Color: Md. Gray
Material: PA66 HS IM
Terminals: See F, Page 6.3 (2 Contacts, 1 Ground)
Seals: 280 Metri-Pack Cable Seals
Typical Lamp: #2057

H. Part No: 12129909*

Description: Seal
Color: Black
Material: EPDM

J. Part No: 12129051

Description: TPA
Color: Blue
Material: PA66 HS IM



*When an unsealed application is required, use gasket 12020720 in place of seal 12129909.

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