



**Autolok™  
Quick Disconnects**



**Kamlok® Quick Disconnects**

## QUICK DISCONNECTS

**OPW Engineered Systems** offers a comprehensive line of quick disconnect products, including Autolok™ and the world's most popular cam and groove system - Kamlok®.

OPW's Kamlok® and Autolok™ quick disconnects offer the exclusive Twin-Kam™ arm design featuring a unique detent position for the prevention of accidental releases. The Twin-Kam™ arms are guaranteed for life and also include OPW's patented Spring-Ring™ feature that keeps the finger rings in the correct position for handling.

Autolok™ and Kamlok® couplers and caps come in a wide variety of size and configurations and provide the industry's safest, sturdiest, quickest coupler system on the market.



IMPORTANT OPW

## Autolok™ Coupling Series

OPW Autolok® Quick Couplers are self-locking couplers that provide an added level of safety and convenience at the fluid connection. Autolok's® patented locking mechanism, built into the coupling arms, means you simply snap the locking arms shut with one smooth motion and the coupler stays secure and shut until you unlock it. No clips, pins or buttons.

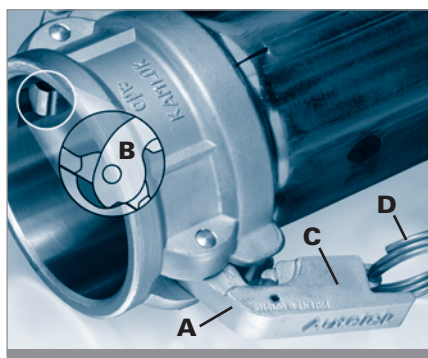
Autolok™ uses the patented Twin-Kam™ detents to hold the adaptor more securely to the coupler to provide added protection against accidental release.

### Benefits

- **Extra Protection** – Self-locking arms, featuring exclusive Twin-Kam™ design provides extra protection against accidental release or uncoupling.
- **Easy Operation** – Arms lock automatically with a positive click. Release requires only an easy tug on the patented lock release mechanism. No clips to insert or remove. No spring-loaded button to push.
- **Guaranteed For Life (GFL™) Arms** – if our exclusive Twin-Kam™ arms ever break, they are replaced FREE.
- **Durable and Efficient** – Designed to ensure optimum flow rates. The heavy-duty, 316 Stainless Steel construction adds extra durability in harsh environments. GFL™ arms are guaranteed for life.

### Features

- **Autolok™ Patented Arms** – Close just like a regular quick coupler but then lock themselves automatically.
- **Spring-Ring™ Finger Rings** – Patented design keeps rings from getting trapped under the arms, making secure closing a snap. An easy tug on the rings release and open the coupling.
- **Heavy-Duty Construction** – Available in 316 Stainless Steel; Alloy 20® or Hastelloy C®



**A** GFL™ arms guaranteed for life against breakage.


**B** Twin-Kam™ prevents unintentional arm release beyond 45° angle.

**C** Automatic self-locking arms guard against accidental uncoupling.


**D** Spring-Ring™ finger tips keep ring free from arm trapping.

### Ordering Specifications

#### 733 DL Coupler - Female NPT

	Prod. No.	Size
	733DL-SS05	1/2"
	733DL-SS07	3/4"
	733DL-SS10	1"
	733DL-SS12	1-1/4"
	733DL-SS15	1-1/2"
	733DL-SS20	2"
	733DL-SS25	2-1/2"
	733DL-SS30	3"
	733DL-SS40	4"


#### 733 BL Coupler - Male NPT

	Prod. No.	Size
	733BL-SS05	1/2"
	733BL-SS07	3/4"
	733BL-SS10	1"
	733BL-SS12	1-1/4"
	733BL-SS15	1-1/2"
	733BL-SS20	2"
	733BL-SS25	2-1/2"

#### 733 CL Coupler Hose Shank

	Prod. No.	Size
	733CL-SS05	1/2"
	733CL-SS07	3/4"
	733CL-SS10	1"
	733CL-SS12	1-1/4"
	733CL-SS15	1-1/2"
	733CL-SS20	2"
	733CL-SS25	2-1/2"
	733CL-SS30	3"
	733CL-SS40	4"

#### 733 DCL Dust Cap\*

	Prod. No.	Size
	733DCL-SS05	1/2"
	733DCL-SS07	3/4"
	733DCL-SS10	1"
	733DCL-SS12	1-1/4"
	733DCL-SS15	1-1/2"
	733DCL-SS20	2"
	733DCL-SS25	2-1/2"

## KAMLOK® SERIES

OPW Engineered Systems Kamlok® Quick Disconnects are the industry-standard in cam and groove couplers for safety and ease of use.

All OPW Kamloks® feature the exclusive Twin-Kam™ arm design to prevent accidental release, and Spring-Ring™ to ensure proper position of finger rings for ease of operation.

### Benefits

- **Long-Life Reliability** – Specially designed and manufactured with the highest alloys and gasket materials to endure the harshest environments.
- **Added Protection** – Exclusive features, such as Twin-Kam™ arms with special detent to secure arms in position to prevent accidental uncoupling.
- **Ease-of-Use** – Cam and groove design means smooth coupling and uncoupling while the patented Spring-Ring™ feature ensures that the finger rings do not get trapped under the coupling arms.
- **Best Value** – Built to the highest quality standards with special ease-of-use design features at the price point of other standard cam and groove couplers makes OPW Kamloks® the best overall value in the industry.

### Features

- **Cam and Groove Design** – Provides for reliable, smooth operation in 360° orientation.
- **Exclusive Twin-Kam™ Arms** – Provides detent position that helps prevent unintentional arm release beyond 45°. Guaranteed For Life (GFL™) – if an arm breaks, it is replaced for FREE.
- **Spring-Ring™ Finger Rings** – Rings won't get trapped under the arms with this patented feature, so opening/closing is quick and easy every time.
- **Available in stainless steel in a wide variety of sizes.**
- **Arm Pins** – Rust-proof stainless steel.



Spring-Ring™ Finger Rings prevent rings from getting trapped under arms.



Detent position of Twin-Kam™ arms help prevent unintentional arm release.

### Ordering Specifications

#### 633 B Coupler - Male NPT



Prod. No.	Size
633B-SS05	1/2"
633B-SS07	3/4"
633B-SS10	1"
633B-SS12	1-1/4"
633B-SS15	1-1/2"
633B-SS20	2"
633B-SS25	2-1/2"
633B-SS30	3"
633B-SS40	4"

#### 633 C Coupler - Hose Shank



Prod. No.	Size
633C-SS05	1/2"
633C-SS07	3/4"
633C-SS10	1"
633C-SS12	1-1/4"
633C-SS15	1-1/2"
633C-SS20	2"
633C-SS25	2-1/2"
633C-SS30	3"
633C-SS40	4"

#### 633 D Coupler - Female NPT



Prod. No.	Size
633D-SS05	1/2"
633D-SS07	3/4"
633D-SS10	1"
633D-SS12	1-1/4"
633D-SS15	1-1/2"
633D-SS20	2"
633D-SS25	2-1/2"
633D-SS30	3"
633D-SS40	4"

#### 634 B Dust Cap\*



Prod. No.	Size
634B-SS05	1/2"
634B-SS07	3/4"
634B-SS10	1"
634B-SS12	1-1/4"
634B-SS15	1-1/2"
634B-SS20	2"
634B-SS25	2-1/2"
634B-SS30	3"
634B-SS40	4"

\*Dust caps and plugs are NOT to be used in pressure applications.

See page 23 for Mating Adaptors

## ADAPTORS

OPW Engineered Systems offers a broad range of adaptors for Autolok™ and Kamlok® couplers, in a variety of sizes and configurations, including double couplers, reducing couplers, ASME flanges, spool adaptors, socket weld and butt weld couplers/adaptors.

### Ordering Specifications

#### 733 A Adaptor - Female NPT



Prod. No.	Size
733A-SS05	1/2"
733A-SS07	3/4"
733A-SS10	1"
733A-SS12	1-1/4"
733A-SS15	1-1/2"
733A-SS20	2"
733A-SS25	2-1/2"
733A-SS30	3"
733A-SS40	4"

#### 733 E Adaptor Hose Shank



Prod. No.	Size
733E-SS05	1/2"
733E-SS07	3/4"
733E-SS10	1"
733E-SS12	1-1/4"
733E-SS15	1-1/2"
733E-SS20	2"
733E-SS25	2-1/2"
733E-SS30	3"
733E-SS40	4"

#### 733 F Adaptor - Male NPT



Prod. No.	Size
733F-SS05	1/2"
733F-SS07	3/4"
733F-SS10	1"
733F-SS12	1-1/4"
733F-SS15	1-1/2"
733F-SS20	2"
733F-SS25	2-1/2"
733F-SS30	3"
733F-SS40	4"

#### 734 A Dust Plug\*



Prod. No.	Size
734A-SS05	1/2"
734A-SS07	3/4"
734A-SS10	1"
734A-SS12	1-1/4"
734A-SS15	1-1/2"
734A-SS20	2"
734A-SS25	2-1/2"
734A-SS30	3"
734A-SS40	4"

\*Dust caps and plugs are NOT to be used in pressure applications.

## REDUCING COUPLERS & ADAPTORS

#### 633 CH Coupler 3" x 2-1/2" Hose Shank (non locking)



Prod. No.	Size
633CH-SS3025	3" Coupler x 2-1/2" Hose Shank

#### 733 DDL Double Coupler (locking)



Prod. No.	Size
733DDL-SS2020	2" x 2"
733DDL-SS3030	3" x 3"

#### 733 EH Adapter 3" x 2-1/2" Hose Shank



Prod. No.	Size
733EH-SS3025	3" Coupler x 2-1/2" Hose Shank

#### 633 DD Double Coupler (non locking)



Prod. No.	Size
633DD-SS1515	1-1/2" x 1-1/2"
633DD-SS2020	2" x 2"
633DD-SS2030	2" x 3"
633DD-SS3030	3" x 3"
633DD-SS3040	3" x 4"
633DD-SS4040	4" x 4"

#### 733 DAL Coupler/Adaptor (locking)



Prod. No.	Size
733DAL-SS3020	3" Coupler x 2" Adaptor

#### 633 DA Coupler/Adaptor (non locking)



Prod. No.	Size
633DA-SS2030	2" Coupler x 3" Adaptor
633DA-SS3020	3" Coupler x 2" Adaptor

#### 733 AA Spool Adaptor



Prod. No.	Size
733AA-SS1010	1" x 1"
733AA-SS1212	1-1/4" x 1-1/4"
733AA-SS1515	1-1/2" x 1-1/2"
733AA-SS2020	2" x 2"

## MISCELLANEOUS COUPLERS & ADAPTORS

### Ordering Specifications

#### 733 AW Adaptor w/Socket Weld End



Prod. No.	Size
733AW-SS05	1/2"
733AW-SS07	3/4"
733AW-SS10	1"
733AW-SS12	1-1/4"
733AW-SS15	1-1/2"
733AW-SS20	2"
733AW-SS25	2-1/2"
733AW-SS30	3"
733AW-SS40	4"

Note: When ordering size of bore (O. D. of tubing or pipe) must be specified.

#### 733 DLW Socket Weld



Prod. No.	Size
733DLW-SS05	1/2"
733DLW-SS07	3/4"
733DLW-SS10	1"
733DLW-SS12	1-1/4"
733DLW-SS15	1-1/2"
733DLW-SS20	2"
733DLW-SS25	2-1/2"
733DLW-SS30	3"
733DLW-SS40	4"

Note: When ordering size of bore (O. D. of tubing or pipe) must be specified.

#### 733 LDS Coupler (150 Lb. ASME Flange)



Prod. No.	Size
733LDS-SS05	1/2"
733LDS-SS07	3/4"
733LDS-SS10	1"
733LDS-SS12	1-1/4"
733LDS-SS15	1-1/2"
733LDS-SS20	2"
733LDS-SS25	2-1/2"
733LDS-SS30	3"
733LDS-SS40	4"

#### 733 LAS Adaptor (150 Lb. ASME Flange)



Prod. No.	Size
733LAS-SS05	1/2"
733LAS-SS07	3/4"
733LAS-SS10	1"
733LAS-SS12	1-1/4"
733LAS-SS15	1-1/2"
733LAS-SS20	2"
733LAS-SS25	2-1/2"
733LAS-SS30	3"
733LAS-SS40	4"

#### 733 FW Butt Weld



Prod. No.	Size
733FW-SS05	1/2"
733FW-SS07	3/4"
733FW-SS10	1"
733FW-SS12	1-1/4"
733FW-SS15	1-1/2"
733FW-SS20	2"
733FW-SS25	2-1/2"
733FW-SS30	3"
733FW-SS40	4"

Note: When ordering size of bore (O. D. of tubing or pipe) must be specified.

#### 733 BLW Butt Weld



Prod. No.	Size
733BLW-SS05	1/2"
733BLW-SS07	3/4"
733BLW-SS10	1"
733BLW-SS15	1-1/2"
733BLW-SS20	2"
733BLW-SS25	2-1/2"
733BLW-SS30	3"
733BLW-SS40	4"

Note: When ordering size of bore (O. D. of tubing or pipe) must be specified.

### Accessories

Style	Size	Part #
SST Chain with Hooks	12" Long	H31119M
	18" Long	H31120M
Brass Chain with "S" Hooks	6" Long	H06682M
	12" Long	H06683M
Zinc Plated Chain with Finger Ring	12" Long	H-1436
Spring Finger Ring	1" – 6"	H20550M

IMPORTANT: ONLY

## TWIN-KAM™ KAMLOK® CAM ARM KITS

with Guaranteed For Life (GFL™) Twin-Kam™ Arms



**CAUTION:** We do not recommend the use of Twin-Kam™ arms on couplers not manufactured by OPW. Dimensional differences do exist and proper performance cannot be assured.

### Kits for Kamlok® Couplers and Dust Caps

Kit #	Size
633ARK-SS07*	1/2" & 3/4"
633ARK-SS10	1"
633ARK-SS20	1-1/4" – 2-1/2"
633ARK-SS30	3", 4" & 5"

*Parts Kit includes:*

- 2 Cam Arms
- 2 Pins
- 2 Finger Rings
- Instructions

\*Note: Finger Rings are not included with 1/2" and 3/4" Kit.

## AUTOLOK™ CAM ARM KITS



Kit #	Size
733ARK-SS07	1/2" & 3/4"
733ARK-SS10	1"
733ARK-SS20	1-1/4" – 2-1/2"
733ARK-SS30	3" & 4"

*Parts Kit includes:*

- 2 Cam Arms
- 2 Finger Rings
- 2 Pins
- Instructions

## ORIGINAL DESIGN REPAIR KITS



Kit #	Size
733WARK-SS05	3/4"
733WARK-SS10	1"
733WARK-SS20	1-1/4" – 2-1/2"
733WARK-SS30	3" & 4"

*Parts Kit includes:*

- 1 Cam Arm
- 1 Finger Ring
- 1 Pin
- Instructions

## 634 CLK CLIPOK™ KITS Provides locking mechanism for standard units



Kit #	Size
634CLK-1020	1-1/4" - 2-1/4"
634CLK-1070	3" - 5"

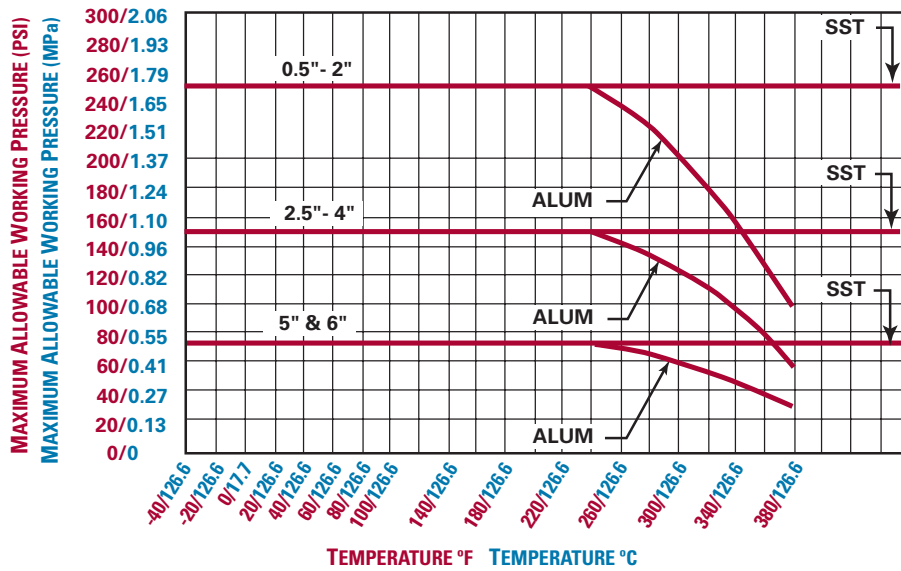
*Kit includes:*

- 1 Cliplok™
- 2 Pins
- 2 Washers
- 3 Wavy Washers
- Instructions

## GASKETS FOR AUTOLOK™/KAMLOK® COUPLERS

COMPOUND	COMPOUND SYMBOL	COMPOUND	COMPOUND SYMBOL	COMPOUND	COMPOUND SYMBOL
BUNA-N (Standard)	GREEN STRIPES M	WHITE NEOPRENE	BLUE MARKS	TEFLON® ENVELOPE GASKET	VITON®-A RED DOT
E.P.T.	WHITE & YELLOW WHITE & GREEN N	TEFLON®*	NONE T	SILICON	
NEOPRENE	BLUE STRIPES N	VITON®-A	RED STRIPES V	TEFLON® ENCAP GASKET	VITON®-A
		TEFLON® ENVELOPE	BUNA-N	TEFLON® ENCAP	SILICON

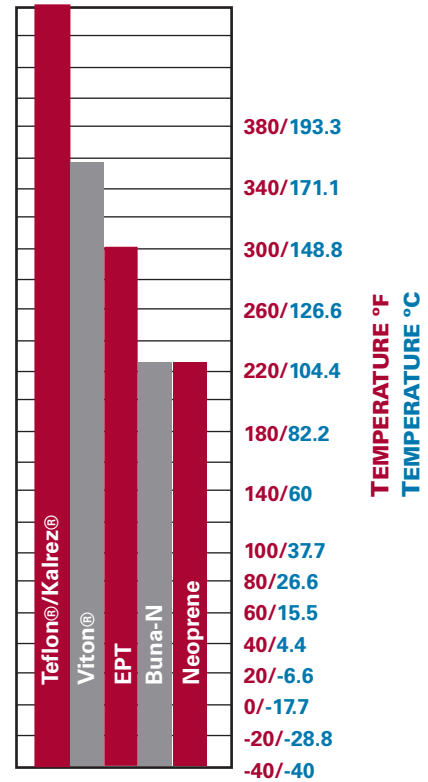
### COUPLING TEMPERATURE CHARACTERISTICS



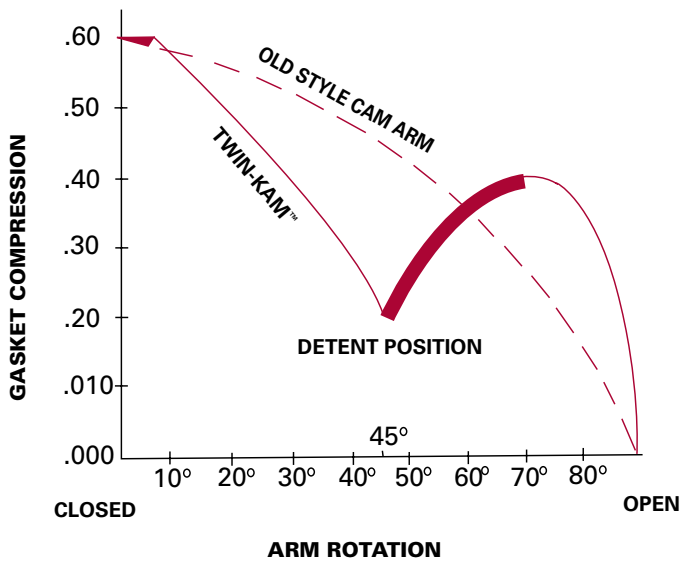
Kamlok®: All Lines Apply

Autolok™: 1/2"-2" SST and 2-1/2"-4" SST lines apply. Not available in 5" & 6".

### COUPLING PRESSURE/TEMPERATURE



### KAMLOK® TWIN-KAM™ COUPLERS



# Autolok™

Self-Locking Couplers

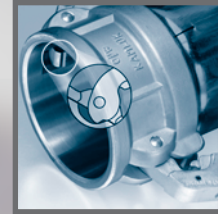
Autolok's automatic self-locking arms guard against accidental uncoupling.

GFL™ arms are guaranteed-for-life against breakage.

# Kamlok®

Cam-And-Groove Couplers

Spring Ring™ finger rings won't get trapped under arms, assuring secure closure.



Twin-Kam™ feature on both Autolok and Kamlok provides a detent position that helps prevent unintentional arm release beyond a 45° angle.

# OPW Quick Couplers

Your guide to the industry's most complete line of cam-and-groove couplers

## Autolok™

## Kamlok®

**733 DL Coupler - Female NPT**

**733 BL Coupler - Male NPT**

**733 CL Coupler - Hose Shank**

**733 DCL Dust Cap**

### Ordering Chart

Call OPW Customer Service for complete ordering information

<p><b>733 Autolok</b> <b>633 Kamlok</b></p>	<p><b>Locking Arm</b> (Autolok only)</p>	<p><b>Construction Materials</b></p> <p>AL - Aluminum (Dust Caps &amp; Plugs) SS - Stainless Steel</p>
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## 733CL-SS20-B

<p><b>Body Style</b></p>	<p><b>Gaskets*</b></p> <p>B - BUNA-N (STD) E - E.P.T N - NEOPRENE W - WHITE NEOPRENE T - TEFLON™ V - VITON-A® X - TEFLON ENVELOPE-BUNA-N F - TEFLON ENVELOPE-VITON-A U - TEFLON ENCAP-VITON-A S - TEFLON ENCAP-SILICON</p> <p><small>*Call for other available gasket compounds</small></p>	<p><b>Sizes</b></p> <p>05 - 1/2" 07 - 3/4" 10 - 1" 12 - 1-1/4" 15 - 1-1/2" 20 - 2" 25 - 2-1/2" 30 - 3" 40 - 4"</p>
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**633 D Coupler - Female NPT**

**633 C Coupler - Hose Shank**

**633 B Coupler - Male NPT**

**634 B Dust Cap**

## Adaptors Sizes 1/2" - 4"



## Miscellaneous Couplers & Adaptors Sizes 1/2" - 4"



## Reducing Couplers & Adaptors

Call OPW Customer Service for sizes and complete ordering information

