

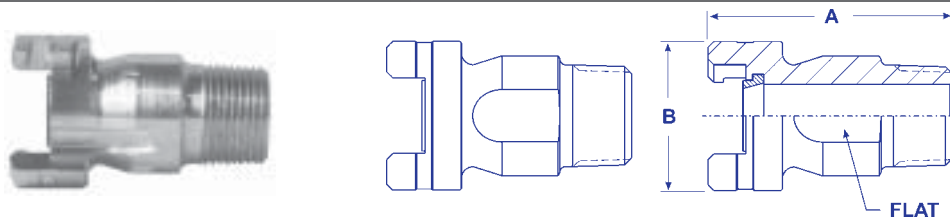
# DUAL LOCK

*Fittings*



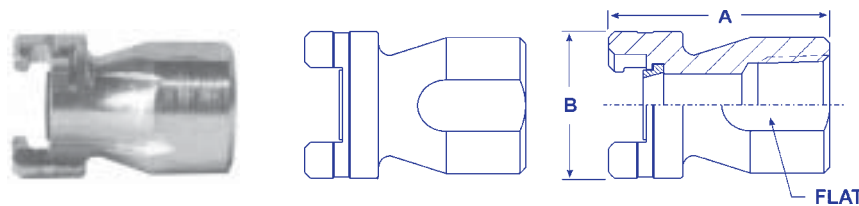
*The Standard of Quality and Service Since 1916*  
*Accept No Substitutes*

### Male Pipe Thread



Body Size	End Size	Plated Steel Part #	Brass Part #	Stainless Steel Part #	Dimensions			Pkg Qty
					A	B	Flats	
1/2"	3/8"	PM6	----	----	2.00	1.55	.88	25
1/2"	1/2"	PM8	PMB8	----	2.25	1.55	.97	25
1/2"	3/4"	PM12	PMB12	PM12SS	2.55	1.55	1.13	25
1/2"	1"	PM16	PMB16	----	3.25	1.55	1.38	25

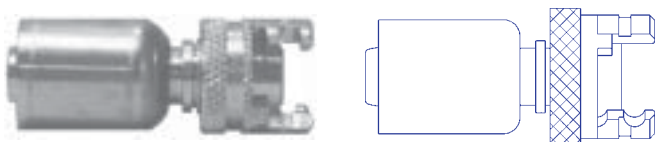
### Female Pipe Thread



Body Size	End Size	Plated Steel Part #	Brass Part #	Stainless Steel Part #	Dimensions			Pkg Qty
					A	B	Flats	
1/2"	3/8"	PF6	----	----	1.79	1.55	.88	25
1/2"	1/2"	PF8	PFB8	----	2.25	1.55	1.35	25
1/2"	3/4"	PF12	PFB12	PF12SS	2.34	1.55	1.31	25
1/2"	1"	PF16	PFB16	----	2.76	1.55	1.47	25

### Quick Acting Coupling with Ferrule

Quick-acting couplings with Steel ferrules can be crimped or swaged-on and are rated to **300 PSI** working pressure for threaded connections. For hose barb pressure ratings, contact the Factory. Also available in Brass & Stainless Steel, contact the Factory for information.



Size	O.D. Range		Zinc Coated Steel Part #
	From:	To:	
1/2"	54/64"	1-2/64"	PHL8WF
3/4"	1-10/64"	1-22/64"	PHL12WF

Please note that the chart to the right is to be used only as a guide and not as a steadfast rule for every coupling application. In some instances, alternative dies and crimped dimensions must be employed. Hoses, as well as couplings, react differently during crimping. This is due to the fact that there are variances in hose constructions for hose with similar dimensions. Some variables are: textile braid vs. wire braid, hardwall vs. softwall, presence or lack of internal spiral wire as well as differences in hose covers. In addition, the outer diameter of the hose tends to fluctuate from end to end and production lot to production lot. With this in mind, we suggest that you measure the hose O.D. and maintain accurate records for each coupling application.

### Crimped Recommendation Guide

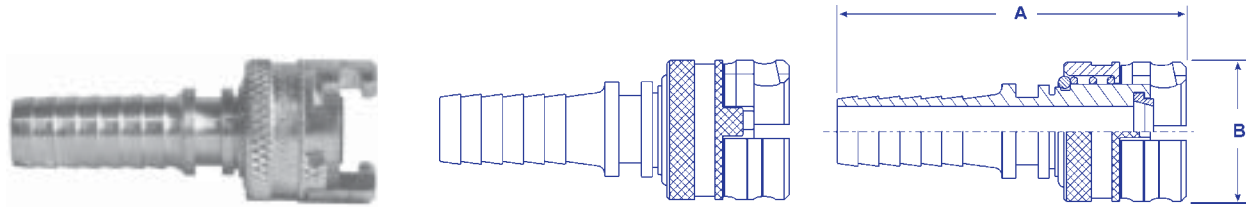
#### Part # PHL8WF

Hose I.D.	Measured Hose O.D.		Crimp Length	Dual-Lock Crimp O.D. ± .005
	Fractional	Decimal		
1/2"	54/64"	0.844	1-1/4"	0.968
1/2"	55/64"	0.859	1-1/4"	0.968
1/2"	56/64"	0.875	1-1/4"	0.968
1/2"	57/64"	0.891	1-1/4"	1.000
1/2"	58/64"	0.906	1-1/4"	1.000
1/2"	59/64"	0.922	1-1/4"	1.031
1/2"	60/64"	0.938	1-1/4"	1.031
1/2"	61/64"	0.953	1-1/4"	1.062
1/2"	62/64"	0.969	1-1/4"	1.062
1/2"	63/64"	0.984	1-1/4"	1.062
1/2"	1"	1.000	1-1/4"	1.093
1/2"	1-1/64"	1.016	1-1/4"	1.093
1/2"	1-2/64"	1.031	1-1/4"	1.093

#### Part # PHL12WF

Hose I.D.	Measured Hose O.D.		Crimp Length	Dual-Lock Crimp O.D. ± .005
	Fractional	Decimal		
3/4"	1-10/64"	1.156	1-1/4"	1.218
3/4"	1-11/64"	1.172	1-1/4"	1.218
3/4"	1-12/64"	1.188	1-1/4"	1.218
3/4"	1-13/64"	1.203	1-1/4"	1.250
3/4"	1-14/64"	1.219	1-1/4"	1.250
3/4"	1-15/64"	1.234	1-1/4"	1.281
3/4"	1-16/64"	1.250	1-1/4"	1.281
3/4"	1-17/64"	1.266	1-1/4"	1.281
3/4"	1-18/64"	1.281	1-1/4"	1.312
3/4"	1-19/64"	1.297	1-1/4"	1.312
3/4"	1-20/64"	1.313	1-1/4"	1.343
3/4"	1-21/64"	1.328	1-1/4"	1.343
3/4"	1-22/64"	1.344	1-1/4"	1.375

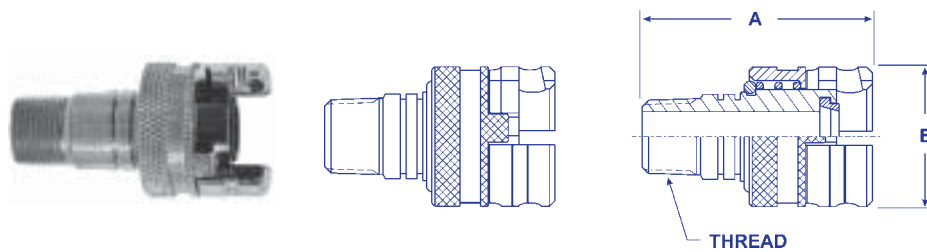
### Hose End Barb with Locking Sleeve



Body Size	End Size	Plated Steel Part #	Brass Part #	Stainless Steel Part #	Dimensions		Pkg Qty
					A	B	
1/2"	3/8"	<b>PHL6</b>	----	----	3.53	1.55	25
1/2"	1/2"	<b>PHL8</b>	----	----	3.95	1.55	25
1/2"	3/4"	<b>PHL12</b>	<b>PHLB12</b>	<b>PHL12SS</b>	3.95	1.55	25
1/2"	1"	<b>PHL16</b>	<b>PHLB16</b>	----	6.06	1.55	25

Note: Sleeve Locking Key available on page 4.

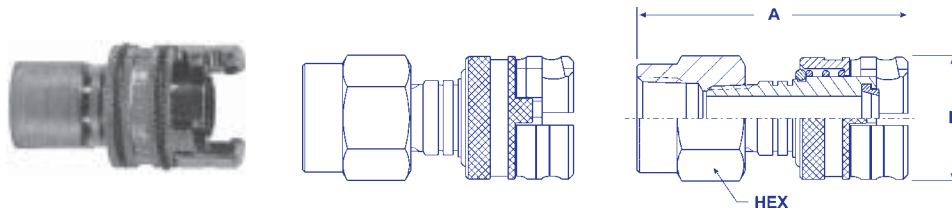
### Male Pipe Thread with Locking Sleeve



Body Size	End Size	Plated Steel Part #	Stainless Steel Part #	Dimensions			Pkg Qty
				A	B	Flats	
1/2"	3/8"	<b>PML6</b>	----	2.93	1.55	.88	25
1/2"	1/2"	<b>PML8</b>	----	3.11	1.55	.88	25
1/2"	3/4"	<b>PML12 *</b>	<b>PML12SS *</b>	3.13	1.55	----	25

Note: Sleeve Locking Key available on page 4.

### Female Pipe Thread with Locking Sleeve

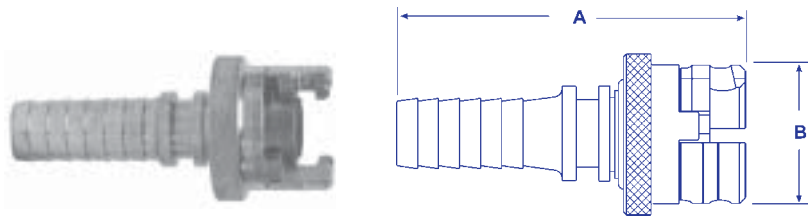


Body Size	End Size	Plated Steel Part #	Stainless Steel Part #	Dimensions			Pkg Qty
				A	B	Hex	
1/2"	1/2"	<b>PFL8</b>	---	3.43	1.55	1.38	25
1/2"	3/4"	<b>PFL12</b>	<b>PFL12SS</b>	3.43	1.55	1.38	25

Note: Sleeve Locking Key available on page 4.

### Hose End Barb with Knurled Flanged Sleeve

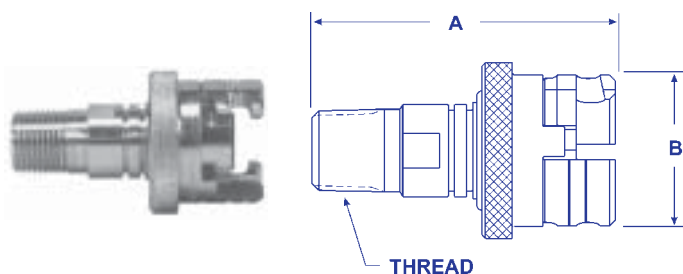
Large, raised collar sleeve permits easier handling when wearing gloves.



Body Size	End Size	Zinc Coated Steel Part #	Dimensions		Pkg Qty
			A	B	
1/2"	3/8"	<b>PHL6FS</b>	3.53	1.81	25
1/2"	1/2"	<b>PHL8FS</b>	3.95	1.81	25
1/2"	3/4"	<b>PHL12FS</b>	3.95	1.81	25

Note: Sleeve Locking Key recommended, see below.

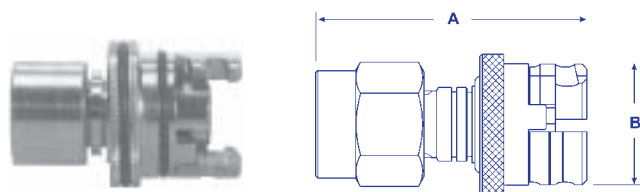
### Male Pipe Thread with Knurled Flanged Sleeve



Body Size	End Size	Zinc Coated Steel Part #	Dimensions		Pkg Qty
			A	B	
1/2"	3/8"	<b>PML6FS</b>	2.93	1.81	25
1/2"	1/2"	<b>PML8FS</b>	3.11	1.81	25
1/2"	3/4"	<b>PML12FS</b>	3.13	1.81	25

Note: Sleeve Locking Key recommended, see below.

### Female Pipe Thread with Knurled Flanged Sleeve



Body Size	End Size	Zinc Coated Steel Part #	Dimensions		Pkg Qty
			A	B	
1/2"	1/2"	<b>PFL8FS</b>	3.43	1.81	25
1/2"	3/4"	<b>PFL12FS</b>	3.43	1.81	25

Note: Sleeve Locking Key recommended, see below.

### Accessories

#### Sleeve Locking Key



Part #
<b>855231</b>

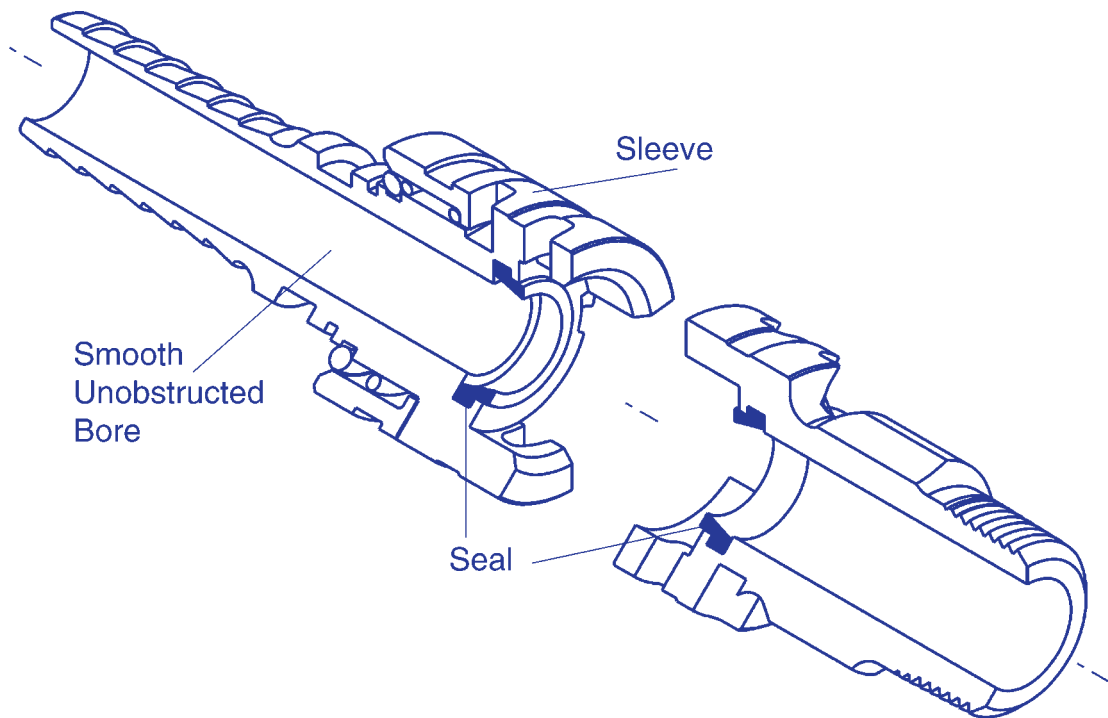
Note: Fits couplings with locking sleeve. Recommended whenever couplings are equipped with a flanged sleeve.

#### Replacement Gaskets



Part #	Description
<b>855206</b>	Buna-N (standard)
<b>452963</b>	Viton

**Features**



**COUPLING FEATURES:**

*Latch Mechanism*

- Push and twist to connect, pull and twist to disconnect
- Sleeve Locking Key is available to prevent unintentional disconnection

*Material and Finish*

- Machine from solid Brass, Steel and Stainless Steel bar stock
- Stainless Steel retaining ring and Phosphor Bronze spring
- Steel components are Zinc plated

*Seals*

- Buna-N (Nitrile) seal is standard
- Viton

**GENERAL FEATURES:**

- Body Sizes - 1/2"
- Female and Male NPTF threads and Hose End Barb configurations

*Interchange Guide*

- National "A" type
- Perfecting "P" type
- Thor "PHC" type

*Applications*

- Pneumatic impact tools
- Low pressure fluid transfer
- General purpose air handling requiring high flow

**Hose Coupling Safety**

Dixon's couplings and retention devices are designed to work safely for their intended use. The selection of the proper hose, coupling and retention devices, and the proper application of the coupling to the hose are of the utmost importance. Users must consider the size, temperature, application, media, pressure and the hose and coupling manufacturer's recommendations when selecting the proper hose assembly components. Dixon recommends that all hose assemblies be tested in accordance with the Rubber Manufacturers Association's recommendations and be inspected regularly (before each use), to ensure that they are not damaged or become loose.

Where safety devices are integral to the coupling, they must be working and utilized. The use of supplementary safety devices, such as safety clips and "King Cable" safety cables, are recommended. If any problem is detected, couplings must be removed from service immediately.

Dixon is available to consult, train and recommend the proper selection and application of all fittings we sell. We strongly recommend that distributors and end users make use of Dixon's Testing and Recommendations Services. Dixon can be contacted at 1-800-355-1991.

## King Safety Cable

USE KING CABLE TO HELP PREVENT ACCIDENTS OR INJURY RESULTING FROM HOSE OR COUPLING FAILURE.

**A positive safeguard for air hose connections - helps you meet today's safety standards.**

These strong Steel cables prevent hose whip in case of the accidental separation of the coupling or clamp device. KING CABLE reaches across the hose fittings to provide standby safety for the hose. Spring-loaded loops in the cable ends open easily to pass over the couplings for a firm grip on the hose. Thoroughly tested with years of service. **KING CABLE must be installed in the extended position (no slack).** Maximum working pressure: **200 PSI** for Air. **SAFETY ALERT**

### Features:

- Hose-to-hose or hose-to-rigid outlet
- King Cable is the low cost answer to eliminate injuries caused by broken air hose connections
- Highly resistant to rust and corrosion
- No tools needed - Easy to install and remove

### Accepted by:

- Bureau of Mines
- Bureau of Reclamation
- U.S. Army Corps. of Engineering
- OSHA



Hose End

Tool End

### Style WSR, for hose-to-tool service

Cable	Hose I.D.	Length	Part #
1/8"	1/2" to 1-1/4"	20-1/4"	<b>WSR1</b>
1/4"	1-1/2" to 3"	38"	<b>WSR2</b>



Hose End

Hose End

### Style W, for hose-to-hose service

Cable	Hose I.D.	Length	Part #
1/8"	1/2" to 1-1/4"	20-1/4"	<b>WB1</b>
1/4"	1-1/2" to 3"	38-1/4"	<b>WA2</b>

NOTE: Cables are shipped with safety restraint labels attached. Labels are not pictured.

## Compressor "Y"



Description	Part #
1" FNPT x 3/4" MNPT (2)	<b>Y10075</b>

Converts a single supply source to a dual outlet.  
Malleable Iron.

## Dual Y Valves

Dual action valve, ideal for compressor applications. Female NPT threads.

### Non-Vented

Inlet Size	Outlet Size	Part #
1"	3/4" (2x)	<b>BBV100DW</b>
1-1/4"	3/4" (2x)	<b>BBV125DW</b>

Maximum working pressure:  
600 PSI WOG



### Vented

Inlet Size	Outlet Size	Part #
1"	3/4" (2x)	<b>BBV100DWV</b>
1-1/4"	3/4" (2x)	<b>BBV125DWV</b>

Maximum working pressure:  
125 CWP (Cold Working Pressure)



**Dixon Valve & Coupling Company**  
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