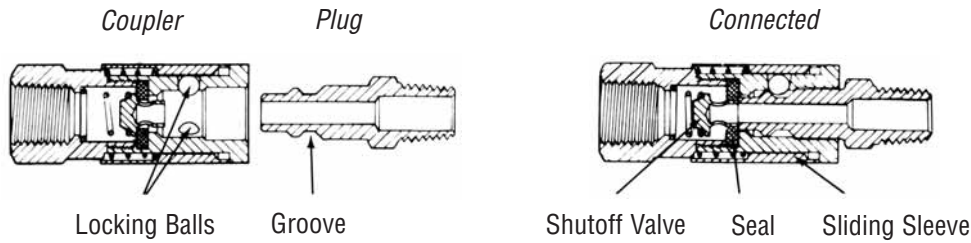


# Couplers & Plugs

## Introduction



**Quick disconnect couplers are the fastest, easiest, and most reliable means of joining pneumatic and fluid transfer lines. All quick disconnect couplers work on the same principle:**

- Hardened balls or pins engage a groove in the coupler plug to hold it securely against a soft seal while permitting the assembly to swivel, thereby preventing kinking or twisting of hose.
- A sliding sleeve releases the locking balls when retracted, permitting the plug to be inserted or removed. The sleeve automatically returns to the locked position when released.
- An automatic shutoff valve in the coupler seals instantly upon uncoupling, eliminating the need for a separate shutoff.

## Features / Benefits

**Long Service Life.** Zinc plating provides a non-corrosive finish. Heat treating hardens critical wear points. Molded Buna-n seals create a leak proof connection.

**Efficient Performance.** Tubular valve design provides high flow rates. Steel locking balls ensure connection holds tight under the most rugged applications. Spring loaded sliding outer sleeve allows quick connect/disconnect.

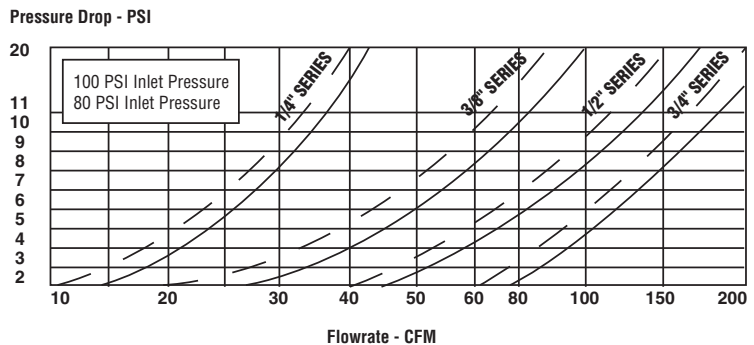
**Many Sizes & Styles.** Available in 1/4, 3/8, 1/2, 3/4 inch bodies with male and female pipe threads, hose barb or lock-on ends for every application.

**Interchangeability.** Fully interchangeable with couplers and plugs made by other manufacturers. (See interchange chart).

## HOW TO IDENTIFY COUPLER STYLE

COUPLER STYLE	GROOVE CONFIGURATION
Hansen	2 Narrow
Lincoln	1 Narrow, 1 Wide
Diamond U	3 Narrow
Aro	1 Wide
Auto Std 1/4, 3/8	1 Narrow
Auto & Ind. Std 1/2	4 Narrow

## PERFORMANCE



SPECIFICATIONS	Body Size		
	1/4"	3/8"	1/2"
Rated Pressure (PSI)	300	300	300
Temperature Range	-40° to 240°F		
Locking Device	4 balls	6 balls	6 balls
<b>Force Required to connect (lbs)</b>			
With 80 PSI initial pressure	17	19	47
With 100 PSI initial pressure	20	21	53
<b>Vacuum Data (inches Hg)</b>	Not recommended		
Disconnected (coupler only)			
Connected	27.4	27.4	27.4

Camel No.      Amflo No.

## Combo Coupler®

The solution for coupler confusion. Now one coupler fits 1/4" Aro Style, 1/4" Automotive Standard and 1/4" Industrial Interchange plugs. Convenient push-to-connect brass design. Temperature range -40°F to +240°F. Made in the USA.

**C60**      1/4" Series 1/4" NPT female  
**C61**      1/4" Series 1/4" NPT male

**WARNING:** Use only on compressed air lines at a maximum pressure of 250 PSI for Combo Coupler®. For safety, do not exceed the pressure limitation of the hose and or air operated device you are using. Not for use with food stuffs or ingestible products.



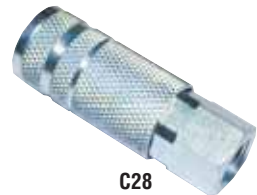
C60



C61



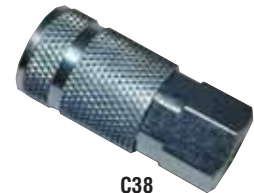
C27



C28



C37



C38

Thread Type	NPT Size	Type Metal	COUPLERS		PLUGS	
			Camel No.	Amflo No.	Camel No.	Amflo No.

### 1/4" Series Lincoln Long Nose Type "A"

Plated steel couplers have hardened steel balls and stainless steel springs. Coupler plugs are heat treated to reduce wear on critical mating surfaces. The Lincoln Series of plugs are easily identified by the long plug end. The couplers are identified with one narrow and one wide groove on the sleeve. Couplers interchange with Lincoln as well as units produced by other manufacturers. **Maximum working pressure 300 PSI.**

Male	1/4"	Steel		<b>C27</b>	<b>61-550</b>	<b>CP27</b>
Female	1/4"	Steel	<b>61-548</b>	<b>C28</b>	<b>61-551</b>	<b>CP28</b>

Retail Pack (blister card)    **61-555**    One female 1/4" NPT Coupler, One Male 1/4" NPT

### 1/4" Series (Aro Series) Type "B"

Plated steel couplers have hardened steel balls and stainless steel springs. Coupler plugs are heat treated to reduce wear on critical mating surfaces. The Aro Series of plugs are easily identified by the distinct appearance of the plug. The couplers are identified with one wide groove on the sleeve. Couplers interchange with Aro 210 series as well as units produced by other manufacturers. **Maximum working pressure**

Male	1/4"	Steel		<b>C37</b>	<b>61-528</b>	<b>CP37</b>
Male	1/4"	Brass				<b>CP37B</b>
Male	3/8"	Steel		<b>C37-03</b>		<b>CP37-03</b>
Female	1/4"	Steel	<b>61-526</b>	<b>C38</b>	<b>61-529</b>	<b>CP38</b>
Female	1/4"	Brass		<b>C38B</b>		<b>CP38B</b>
Female	3/8"	Steel		<b>C38-23</b>		<b>CP38-23</b>
Hose Barb	1/4"	Steel		<b>C38-42</b>		<b>CP37-42</b>
Hose Barb	3/8"	Steel		<b>C38-44</b>		
Hose Barb	3/8"	Brass				<b>CP37-44B</b>
Lock-On Barb	3/8"	Steel				<b>CP37-44L</b>

See price sheet for packaging options.

**WARNING:** Use only on compressed air lines at a maximum pressure of 300 PSI. For safety, do not exceed the pressure limitation of the hose and/or air operated device you are using. Not for use with food or ingestible products. If this product has a hose barb, make sure hose barb size matches the inside diameter of the hose you are using. All hose barb fittings must be secured to the hose with a hose clamp or crimped-on ferrule. Failure to follow these directions exactly may result in injury and/or property damage.

# Couplers & Plugs



C45



C46



C35



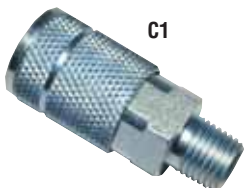
C36



CP37



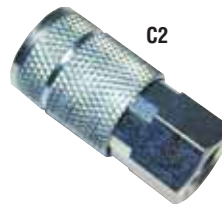
CP36



C1



CP1



C2



CP2



C2-44

Camel No.

## 1/4" Series (Aro Series) Type "B" Coupler and Plug Set

Retail pack of one female 1/4" NPT coupler and one male 1/4" NPT plug on an attractive blister card.

**61-530**

Thread Type	NPT Size	Type Metal	COUPLERS		PLUGS	
			Camel No.	Amflo No.	Camel No.	Amflo No.

## 1/4" Series (Aro Push-to-Connect) Type "B"

Push-to-connect couplers are automatically connected by pushing the plug into the coupler. Especially useful for hooking up implements. Allows one hand operation.

**Maximum working pressure 300 PSI.**

Male	1/4"	Steel		<b>C45</b>		<b>CP37</b>
Female	1/4"	Steel		<b>C46</b>		<b>CP38</b>

## 3/8" Aro Series (Maximum working pressure 300 PSI)

Male	3/8"	Steel		<b>C35</b>		<b>CP35</b>
Female	3/8"	Steel		<b>C36</b>		<b>CP36</b>

## 1/4" Automotive Standard Series Type "C"

Plated steel couplers have hardened steel balls and stainless steel springs. Coupler plugs are heat treated to reduce wear on critical mating surfaces. The Automotive Series couplers interchange with Tru-Flate 10 and 100 type series as well as units produced by other manufacturers. **Maximum working pressure 300 PSI.**

Male	1/4"	Steel		<b>C1</b>	<b>61-538</b>	<b>CP1</b>
Male	1/4"	Brass		<b>C1B</b>		<b>CP1B</b>
Male	3/8"	Steel		<b>C1-03</b>		<b>CP1-03</b>
Female	1/4"	Steel	<b>61-523</b>	<b>C2</b>	<b>61-539</b>	<b>CP2</b>
Female	1/4"	Brass		<b>C2B</b>		<b>CP2B</b>
Female	3/8"	Steel		<b>C2-23</b>		<b>CP2-23</b>
Hose Barb	1/4"	Steel		<b>C2-42</b>		<b>CP1-42</b>
Hose Barb	3/8"	Steel		<b>C2-44</b>		<b>CP1-44</b>
Lock-On Barb	1/4"	Steel				<b>CP1-42L</b>
Lock-On Barb	3/8"	Steel		<b>C2-44L</b>		<b>CP1-44L</b>

See price sheet for packaging options.

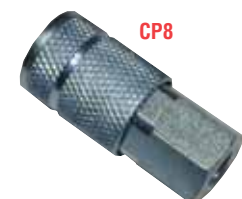
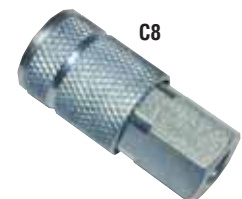
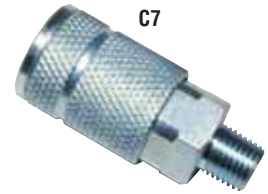
Thread Type	NPT Size	Type Metal	COUPLERS		PLUGS		Thread/Length
			Camel No.	Amflo No.	Camel No.	Amflo No.	
<b>1/4" Recapper Series</b>							
Female	1/4"	Steel		<b>C2R</b>		<b>CP12</b>	.302-32 Std.
Female	1/4"	Brass		<b>C2RB</b>			.482-26 2-3/4"
Female	1/4"	Brass					.302-32 Std.



Thread Type	NPT Size	Type Metal	COUPLERS		PLUGS	
			Camel No.	Amflo No.	Camel No.	Amflo No.
<b>3/8" Automotive Standard Series Type "G"</b>						

Plated steel couplers have hardened steel balls and stainless steel springs. Coupler plugs are heat treated to reduce wear on critical mating surfaces. **Maximum working pressure 300 PSI.**

Male	1/4"	Steel		<b>C7</b>		<b>CP7</b>
Male	3/8"	Steel		<b>C5</b>		<b>CP5</b>
Male	1/2"	Steel		<b>C5-04</b>		
Female	1/4"	Steel		<b>C8</b>		<b>CP8</b>
Female	3/8"	Steel		<b>C6</b>		<b>CP6</b>
Female	1/2"	Steel		<b>C6-24</b>		<b>CP6-24</b>
Hose Barb	3/8"	Steel		<b>C6-44</b>		<b>CP5-44</b>
Hose Barb	1/2"	Steel		<b>C6-45</b>		
Lock-On Barb	1/4"	Steel				<b>CP5-42L</b>
Lock-On Barb	3/8"	Steel				<b>CP5-44L</b>



See price sheet for packaging options.

# Couplers & Plugs



C9



C9-03



CP10



C20



C20-44



C21



C20-42L



CP21-44

## COUPLERS

## PLUGS

Thread Type	NPT Size	Type Metal	Camel No.	Amflo No.	Camel No.	Amflo No.
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### 1/2" Automotive Standard Series Type "F"

Plated steel couplers have hardened steel balls and stainless steel springs. Coupler plugs are heat treated to reduce wear on critical mating surfaces. **Maximum working pressure 300 PSI.**

Male	3/8"	Steel		<b>C9-03</b>		<b>CP9-03</b>
Male	1/2"	Steel		<b>C9</b>		<b>CP9</b>
Female	3/8"	Steel		<b>C10-23</b>		<b>CP10-23</b>
Female	1/2"	Steel	<b>61-563</b>	<b>C10</b>		<b>CP10</b>
Hose Barb	1/2"	Steel		<b>C10-45</b>		<b>CP9-45</b>

### 1/4" Industrial Interchange Series Type "D"

Plated steel couplers have hardened steel balls and stainless steel springs. Coupler plugs are heat treated to reduce wear on critical mating surfaces. The Industrial Interchange Series couplers interchange with Aro, Foster, Milton as well as units produced by other manufacturers. **Maximum working pressure 300 PSI.**

Male	1/4"	Steel	<b>61-574</b>	<b>C21</b>	<b>61-578</b>	<b>CP21</b>
Male	1/4"	Brass		<b>C21B</b>		<b>CP21B</b>
Male	3/8"	Steel		<b>C21-03</b>		<b>CP21-03</b>
Male	3/8"	Brass		<b>C21-03B</b>		<b>CP21-03B</b>
Female	1/4"	Steel	<b>61-573</b>	<b>C20</b>	<b>61-579</b>	<b>CP20</b>
Female	1/4"	Brass		<b>C20B</b>		<b>CP20B</b>
Female	3/8"	Steel		<b>C20-23</b>		<b>CP20-23</b>
Female	3/8"	Brass		<b>C20-23B</b>		<b>CP20-23B</b>
Hose Barb	1/4"	Steel		<b>C20-42</b>		<b>CP21-42</b>
Hose Barb	1/4"	Brass		<b>C20-42B</b>		
Hose Barb	3/8"	Steel		<b>C20-44</b>		<b>CP21-44</b>
Hose Barb	3/8"	Brass		<b>C20-44B</b>		<b>CP21-44B</b>
Lock-On Barb	1/4"	Steel		<b>C20-42L</b>		<b>CP21-42L</b>
Lock-On Barb	3/8"	Steel		<b>C20-44L</b>		<b>CP21-44L</b>
Female	1/4"	Steel			<b>(.302-32) 61-023</b>	<b>CP22</b>

See price sheet for packaging options.

Camel  
No.

## 1/4" Industrial Interchange Series Type "D" Coupler and Plug Set

Retail pack of one female 1/4" NPT coupler and one male 1/4" NPT plug on blister card.

61-572



C40



C25

Thread Type	NPT Size	Type Metal	COUPLERS		PLUGS	
			Camel No.	Amflo No.	Camel No.	Amflo No.

## 1/4" Industrial Interchange (Push-to-Connect) Type "D"

Female	1/4"	Steel		<b>C40</b>		
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## 3/8" Industrial Series Type "E"

**WARNING:** Couplers and Plugs listed in this section are intended for use on compressed air lines only. All have a maximum rated working pressure of 300 PSI.

Male	1/4"	Steel		<b>C25-02</b>	<b>CP25-02</b>
Male	3/8"	Steel		<b>C25</b>	<b>CP25</b>
Male	1/2"	Steel		<b>C25-04</b>	<b>CP25-04</b>
Female	1/4"	Steel		<b>C26-22</b>	<b>CP26-22</b>
Female	3/8"	Steel		<b>C26</b>	<b>CP26</b>
Female	1/2"	Steel		<b>C26-24</b>	<b>CP26-24</b>
Hose Barb	1/4"	Steel			
Hose Barb	3/8"	Steel		<b>C26-44</b>	<b>CP25-44</b>
Hose Barb	1/2"	Steel		<b>C26-45</b>	<b>CP25-45</b>
Lock-On Barb	3/8"	Steel		<b>C26-44L</b>	<b>CP25-44L</b>



CP26



C9-03

## 1/2" Industrial Interchange

**WARNING:** Couplers and Plugs listed in this section are intended for use on compressed air lines only. All have a maximum rated working pressure of 300 PSI.

Male	3/8"	Steel		<b>C9-03</b>	<b>CP17-03</b>
Male	1/2"	Steel		<b>C9</b>	<b>CP17</b>
Female	3/8"	Steel		<b>C10-23</b>	
Female	1/2"	Steel		<b>C10</b>	<b>CP18</b>
Hose Barb	1/2"	Steel		<b>C10-45</b>	<b>CP17-45</b>



C9



CP17



CP17-03



C10R

See price sheet for packaging options.

**WARNING:** Use only on compressed air lines at a maximum pressure of 300 PSI. For safety, do not exceed the pressure limitation of the hose and/or air operated device you are using. Not for use with food stuffs or ingestible products. If this product has a hose barb, make sure hose barb size matches the inside diameter of the hose you are using. All hose barb fittings must be secured to the hose with a hose clamp or crimped-on ferrule. Failure to follow these directions exactly may cause product to fail and may result in injury and/or property damage.

# Couplers & Plugs

## COUPLERS      PLUGS

Thread Type	NPT Size	Type Metal	Amflo No.	Amflo (Steel)	Amflo (Brass)
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### Straight-Thru Couplers

These couplers and plugs have no valves. Smooth straight-thru bore allows maximum flow. Made from solid brass bar stock. Couplers have stainless steel springs and balls. Excellent for carpet cleaners, vacuum service and pressure washers. For pressure ratings use table below. Interchanges with Parker ST type.

#### Straight-Thru Pressure Specifications (in PSI).

Body	1/8"	1/4"	3/8"	1/2"
Brass	2500	5200	2700	2200
Steel	2600	5500	3500	2700

Male	1/8"	Brass	<b>CST1B</b>		
Male	1/4"	Brass		<b>CPST3</b>	<b>CPST3B</b>
Male	3/8"	Brass		<b>CPST5</b>	<b>CPST5B</b>
Female	1/4"	Brass	<b>CST17B</b>		<b>CPST17B</b>
Female	1/8"	Brass			<b>CPST2B</b>
Female	1/4"	Brass	<b>CST4B</b>		
Female	3/8"	Brass	<b>CST6B</b>	<b>CPST6</b>	<b>CPST6B</b>
Female	1/2"	Brass	<b>CST8B</b>		

## COUPLERS      PLUGS

Thread Type	NPT Size	Type Metal	Amflo No.	Amflo No.
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### 1/4" Diamond-U Interchange

These couplers and plugs interchange only with Diamond-U which is primarily found on the West Coast. **Maximum operating pressure 300 PSI.**

Male	1/4"	Steel	<b>C31</b>	<b>CP33</b>
Female	1/4"	Steel	<b>C30</b>	<b>CP34</b>

### Repair Kit

1/4" Coupler repair kit with seals for in-field repairs. 1 pack.

**859W** (boxed)

### Coupler and Plug Key Rings

These sturdy key rings are the finest available. Similar to 1/8" pneumatic coupler and plug sets with heavy nickel plating. Will provide years of reliable service and security. Available on counter cards, in 10 packs or on blister cards. Made in USA.

Package Size	Camel No.	Amflo No.
Blister Card		<b>900D</b>
10 Pack		<b>900</b>



CST5B



CPST5



CPST5B



CST6B



CPST6



CPST6B



900

See price sheet for packaging options.

<i>Amflo</i>	<i>Camel</i>	<i>Bridgeport</i>	<i>Milton</i>	<i>Schrader</i>	<i>TruFlate</i>	<i>NAPA</i>	<i>Lincoln</i>	<i>Foster</i>
<b>1/4" Series Lincoln Long Nose Type "A"</b>								
C27	61-486	61-486	790	3527	13-424	90-645	NA	LN3103
C28	61-548	61-548	NA	3528	13-434	90-644	815	LN3003
<b>1/4" Series Aro Type "B"</b>								
C37	61-527	61-527	NA	3525	13-324	90-614	NA	210-3103
C38	61-526	61-526	NA	3526	13-334	90-612	862	NA
C45	61-581	61-581	NA	NA	NA	90-679	NA	210-3103
C46	61-518	61-518	NA	NA	NA	90-613	NA	NA
<b>1/4" Series Automotive Type "C"</b>								
C1	61-524	61-524	786	3503	13-125	90-610	NA	TF3103
C2	61-523	61-523	785	3504	13-134	90-600	NA	TF3003
C2R	61-487	61-487	787	3505	13-136	90-609	NA	NA
<b>3/8" Series Automotive Type "G"</b>								
C5	61-554	61-554	1806	3515	13-604	90-656	NA	TF4304
C6	61-553	61-553	1805	3516	13-612	90-654	NA	TF4204
C7	61-478	61-478	NA	NA	13-602	90-684	NA	TF4104
C8	61-476	61-476	1803	3521	13-610	90-686	NA	TF4004
<b>1/2" Series Automotive Type "F"</b>								
C9	61-564	61-564	1816	3511	13-704	90-664	651008	5305
C10	61-563	61-563	1815	3512	13-712	90-662	652008	5205
C10-23	61-472	61-472	1813	3516	13-710	90-690	652006	5005
<b>1/4" Series Industrial Type "D"</b>								
C20	61-573	61-573	715	5142-12	13-234	90-670	612004	3003
C21	61-574	61-574	716	5141-12	13-224	90-672	611004	3103
C20-23	NA	61-103	718	5263-12	13-236	NA	612006	3203
C21-03	NA	61-101	719	5140-12	13-226	NA	631006	3303
C40	61-013	61-013	755	5138-12	13-755	90-615	NA	FM3003
C41	61-011	61-011	756	5139-12	13-756	90-617	NA	FM3103
<b>3/8" Series Industrial Type "E"</b>								
C25	61-483	61-483	1836	NA	13-526	90-682	641006	4304
C26	61-482	61-482	1835	3541	13-536	90-680	642006	4204
C25-02	NA	61-110	NA	NA	NA	90-625	641004	4104
C25-04	NA	61-111	NA	NA	NA	90-627	641008	NA
<b>1/2" Series Industrial Type "H"</b>								
C9-03	NA	61-473	1814	NA	13-702	90-668	651106	5105
C9	NA	61-564	1816	3511	13-704	90-664	651008	5305
C9-06	NA	61-460	NA	NA	NA	NA	651012	NA
C10	NA	61-563	1815	3512	13-712	90-662	652008	5205



# Plug Interchange

<i>Amflo</i>	<i>Camel</i>	<i>Bridgeport</i>	<i>Milton</i>	<i>Schrader</i>	<i>TruFlate</i>	<i>NAPA</i>	<i>Lincoln</i>	<i>Foster</i>
<b>1/4" Series Lincoln Long Nose Type "A"</b>								
CP27	61-550	61-550	791	3531	12-424	90-648	11659	LN10
CP28	61-551	61-551	792	3532	12-434	90-650	11661	LN11
<b>1/4" Series Aro Type "B"</b>								
CP37	61-528	61-528	777	3529	12-324	90-618	13329	210-10
CP38	61-529	61-529	778	3530	12-334	90-620	13331	210-11
<b>1/4" Series Automotive Type "C"</b>								
CP1	61-538	61-538	783	3506	12-124	90-626	NA	TF10
CP2	61-539	61-539	784	3504	13-134	90-600	NA	TF11
<b>3/8" Series Automotive Type "G"</b>								
CP5	61-558	61-558	1807	3517	12-604	90-658	NA	TF42
CP6	61-559	61-559	1808	3518	12-612	90-660	NA	TF43
CP7	61-480	61-480	1809	3519	12-602	90-685	NA	TF40
CP8	61-481	61-476	1810	3520	12-610	90-687	NA	TF41
<b>1/2" Series Automotive Type "F"</b>								
CP9	61-568	61-568	1817	3513	12-704	90-666	NA	54-5
CP10	61-569	61-569	1818	3514	12-712	90-668	NA	55-5
CP10-23	61-475	61-475	1820	NA	12-710	90-691	NA	53-5
<b>1/4" Series Industrial Type "D"</b>								
CP20	61-579	61-579	728	5139-11	12-234	90-676	630204	11-3
CP21	61-578	61-578	727	5138-11	12-224	90-674	630104	10-3
CP20-23	NA	61-103	732	5263-11	NA	NA	630106	15-3
CP21-03	61-535	61-535	733	NA	12-226	90-677	631006	14-3
<b>3/8" Series Industrial Type "E"</b>								
CP25	61-484	61-484	1837	3542	12-526	90-683	640106	42-4
CP26	61-485	61-485	1838	3543	12-536	90-681	640206	43-4
CP25-02	NA	61-117	1839	NA	NA	NA	640104	40-4
C25-04	NA	61-118	NA	NA	NA	NA	640108	NA
<b>1/2" Series Industrial Type "H"</b>								
CP17-03	61-133	61-133	1819	3537	12-702	90-689	NA	52-5
CP17	61-134	61-134	1817	3513	12-704	90-666	630204	54-5
CP17-06	NA	61-135	NA	NA	NA	NA	NA	NA