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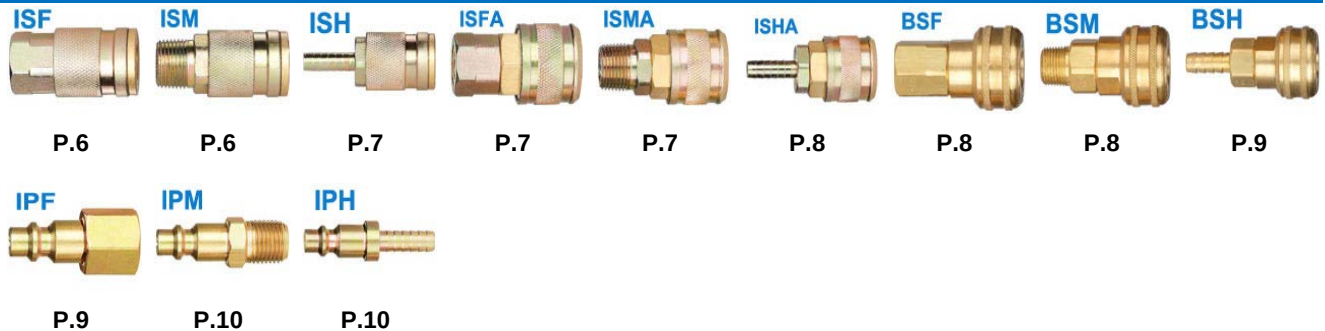
4.3-01 Universal Series (Aro, Tru-flate, Industrial Interchange)



4.3-02 Aro 210 Interchange



4.3-03 Industrial Interchange



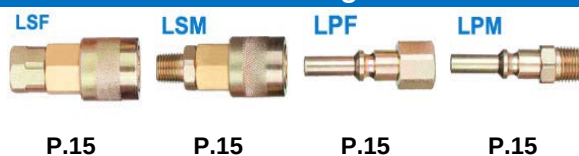
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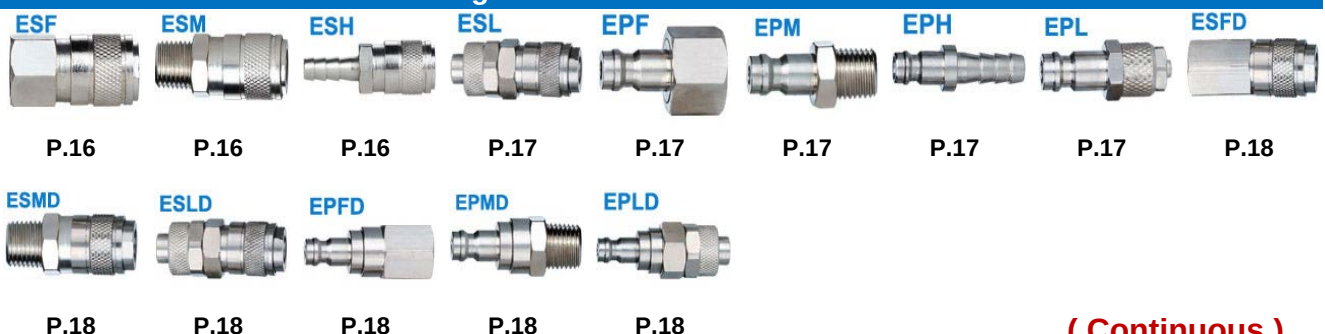
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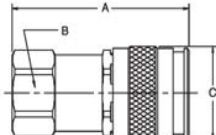
4.3-01 Universal Series (Aro, Tru-flate, Industrial Interchange)

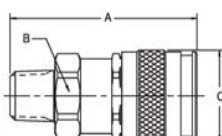
Features

- ◆ The 1/4" Universal Coupler will accept the industrial interchange, tru-flate, and ARO, 210 style nipple.
- ◆ The coupler features automatic push-to-connect operation, high flow machine "window valve", corrosion which helps prevent accidental disconnects and protects the sleeve from damage.
- ◆ The couple is available with male or female pipe thread ports.
- ◆ While the best quick coupling performance is obtained by matching like series couplers and nipples, the universal coupler permits multiple series nipples to mate with one coupler.

Specifications

Body Size	1/4
Rated Pressure(Bar)	150
Temperature Range(Std seals)	-40° to +250°F
Locking Device	4 balls
Vacuum Service	Not Recommended

Couplers Female Pipe Thread		Part No. Brass	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
		USF-N02	1/4"	1/4"-18	2.06	0.81	0.98

Male Pipe Thread		Part No.	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
		USM-N02	1/4"	1/4"-18	2.21	0.81	0.98
		USM-N03	1/4"	3/8"-18	2.21	0.81	0.98

4.3-02 Aro 210 Interchange

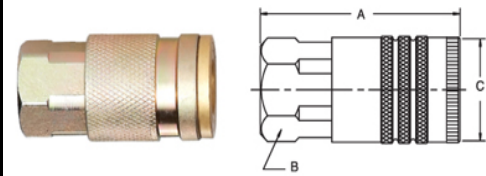
Features

- ◆ "A" series couplings are interchangeable with ARO210 series couplings
- ◆ "A" couplings have a full opening tubular valve for maximum flow and a built-in sleeve guard to minimize accidental disconnect. The "A" Series is only available in 1/4" body size.
- ◆ Standard seal material is nitrile. See the Coupling Selection and Ordering Information guide at the beginning of Section A and the Fluid Compatibility Chart at the end of this catalog for optional materials.

Specifications

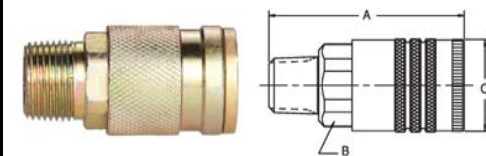
Body Size	1/4
Rated Pressure(Bar)	250
Temperature Range(Std seals)	-40° to +250°F
Locking Device	6balls/locking pin

Manual couplers with 6 locking BOLLS Female Pipe Thread



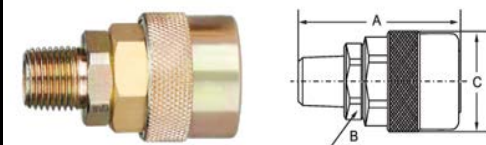
Part No.	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
			A	B	C
ASF-N01	1/4	1/8-27	1.86	0.75	0.88
ASF-N02	1/4	1/4-18	1.92	0.81	0.94
ASF-N03	1/4	3/8-18	1.92	0.81	0.94

Male Pipe Thread



Part No.	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
			A	B	C
ASM-N02	1/4	1/4-18	2.08	0.75	0.88
ASM-N03	1/4	3/8-18	2.11	0.75	0.88

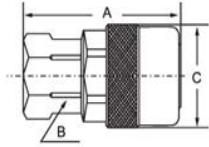
Male Pipe Thread



Part No.	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
			A	B	C
ASH-1/4	1/4	1/4	2.35	0.75	0.88
ASH-3/8	1/4	3/8	2.50	0.75	0.88

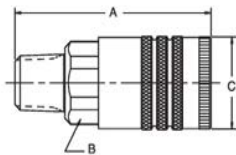
4.3-02 Aro 210 Interchange

Automatic Coupler With Locking PIN Female Pipe Thread



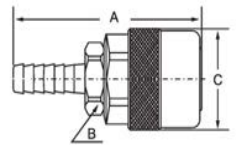
Part No.	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
			A	B	C
ASFA-N01	1/4	1/8-27	1.86	0.75	0.88
ASFA-N02	1/4	1/4-18	1.92	0.81	0.94
ASFA-N03	1/4	3/8-18	1.92	0.81	0.94

Male Pipe Thread



Part No.	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
			A	B	C
ASMA-N02	1/4	1/4-18	2.08	0.75	0.88
ASMA-N03	1/4	3/8-18	2.11	0.75	0.88

Standard Hose Barb



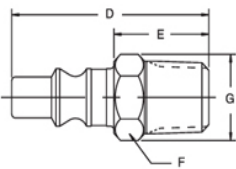
Part No.	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
			A	B	C
ASHA-1/4	1/4	1/4	2.35	0.75	0.88
ASHA-3/8	1/4	3/8	2.50	0.75	0.88

Nipples Female Pipe Thread



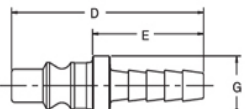
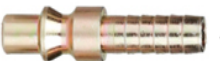
Part No.	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Exposed Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
			D	E	F	G
APF-N02	1/4	1/4-18	1.47	0.66	0.62	0.72

Male Pipe Thread



Part No.	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Exposed Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
			D	E	F	G
APM-N02	1/4	1/4-18	1.62	0.82	0.56	0.65

Standard Hose Barb



Part No.	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Exposed Length	Dimensions (in.) Largest Diameter
			D	E	G
APH1/4	1/4	1/4	2.00	1.19	0.55

4.3-03 Industrial Interchange

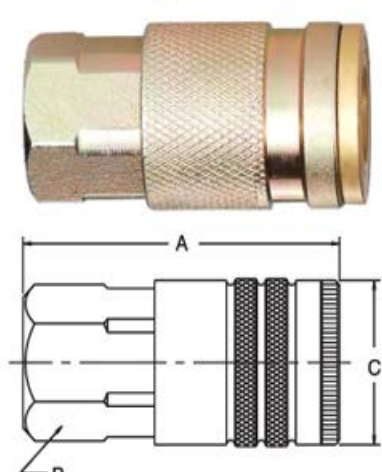
Features

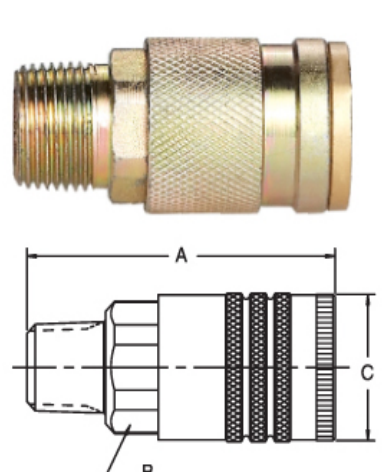
- ◆ "I" series couplings are interchangeable with INDUSTRIAL INTERCHANGE series couplings
- ◆ "I" series couplings have a full opening tubular valve for maximum flow and a built-in sleeve guard to minimize accidental disconnect.
- ◆ The "I" series is available in 1/4" 3/8" 1/2" body size. Standard seal material is nitrile. See the Coupling Selection and Ordering Information guide at the beginning of Section A and the Fluid COMPATIBILITY Chart at the end of this catalog for optional materials.

Specifications

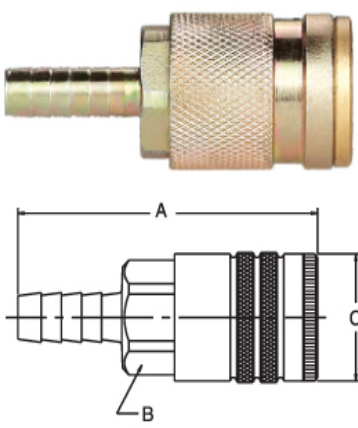
Body Size	1/4	3/8	1/2
Rated Pressure(Bar)	300	300	300
Temperature Range(Std seals)	-40° to +250°F		
Locking Device	6balls/locking pin		

Manual couplers with 6 locking BOLLS

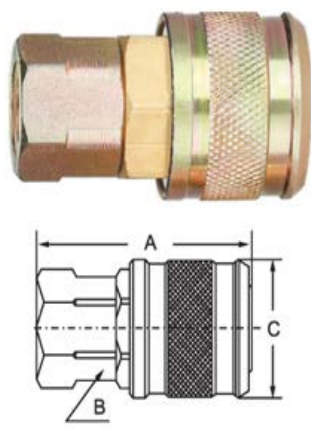
Female Pipe Thread		Part No.	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
 Diagram showing the female pipe thread coupling with dimensions A (Overall Length), B (Hex Size), and C (Largest Diameter).					A	B	C
		ISF2-N01	1/4	1/8-27	1.83	0.75	0.88
		ISF2-N02	1/4	1/4-18	1.83	0.75	0.88
		ISF2-N03	1/4	3/8-18	1.95	0.81	0.94
		ISF3-N02	3/8	1/4-18	2.22	0.88	1.06
		ISF3-N03	3/8	3/8-18	2.28	0.88	1.06
		ISF3-N04	3/8	1/2-14	2.55	1.00	1.16
		ISF4-N03	1/2	3/8-18	2.74	1.00	1.19
		ISF4-N04	1/2	1/2-14	2.96	1.00	1.19
		ISF4-N06	1/2	3/4-14	3.19	1.25	1.44

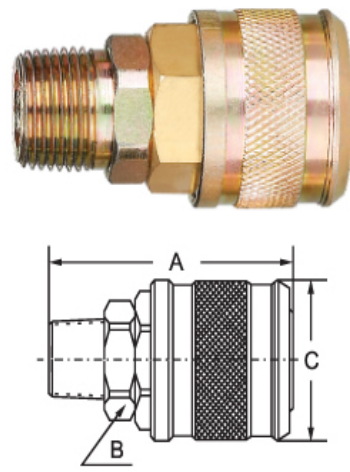
Male Pipe Thread		Part No.	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
 Diagram showing the male pipe thread coupling with dimensions A (Overall Length), B (Hex Size), and C (Largest Diameter).					A	B	C
		ISM2-N01	1/4	1/8-27	1.89	0.75	0.88
		ISM2-N02	1/4	1/4-18	2.05	0.75	0.88
		ISM2-N03	1/4	3/8-18	2.08	0.75	0.88
		ISM3-N02	3/8	1/4-18	2.36	0.88	0.11
		ISM3-N03	3/8	3/8-18	2.39	0.88	1.06
		ISM3-N04	3/8	1/2-14	2.55	0.88	1.06
		ISM4-N03	1/2	3/8-18	2.93	1.00	1.19
		ISM4-N04	1/2	1/2-14	3.08	1.00	1.19
		ISM4-N06	1/2	3/4-14	3.21	1.13	1.30

4.3-03 Industrial Interchange

Standard Hose Barb		Part No.	Body Size (in.)	Hose I.d.	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
		ISH2-1/4	1/4	1/4	2.49	0.75	0.88
		ISH2-5/16	1/4	5/16	2.49	0.75	0.88
		ISH2-3/8	1/4	3/8	2.49	0.75	0.88
		ISH3-3/8	3/8	3/8	2.86	0.88	1.06
		ISH3-1/2	3/8	1/2	3.08	0.88	1.06
		ISH4-3/8	1/2	3/8	3.37	1.00	1.19
		ISH4-1/2	1/2	1/2	3.62	1.00	1.19
		ISH4-3/4	1/2	3/4	3.96	1.00	1.19

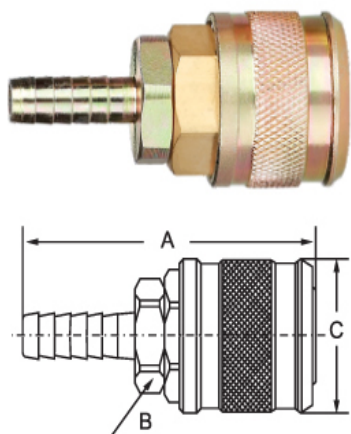
Automatic Coupler With Locking PIN

Female Pipe Thread		Part No.	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
		ISFA2-N01	1/4	1/8-27	1.89	0.75	0.88
		ISFA2-N02	1/4	1/4-18	2.05	0.75	0.88
		ISFA2-N03	1/4	3/8-18	2.08	0.75	0.88
		ISFA3-N02	3/8	1/4-18	2.36	0.88	0.11
		ISFA3-N03	3/8	3/8-18	2.39	0.88	1.06
		ISFA3-N04	3/8	1/2-14	2.55	0.88	1.06
		ISFA4-N03	1/2	3/8-18	2.93	1.00	1.19
		ISFA4-N04	1/2	1/2-14	3.08	1.00	1.19
		ISFA4-N06	1/2	3/4-14	3.21	1.13	1.30

Male Pipe Thread		Part No.	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
		ISMA2-N01	1/4	1/8-27	1.89	0.75	0.88
		ISMA2-N02	1/4	1/4-18	2.05	0.75	0.88
		ISMA2-N03	1/4	3/8-18	2.08	0.75	0.88
		ISMA3-N02	3/8	1/4-18	2.36	0.88	0.11
		ISMA3-N03	3/8	3/8-18	2.39	0.88	1.06
		ISMA3-N04	3/8	1/2-14	2.55	0.88	1.06
		ISMA4-N03	1/2	3/8-18	2.93	1.00	1.19
		ISMA4-N04	1/2	1/2-14	3.08	1.00	1.19
		ISMA4-N06	1/2	3/4-14	3.21	1.13	1.30

4.3-03 Industrial Interchange

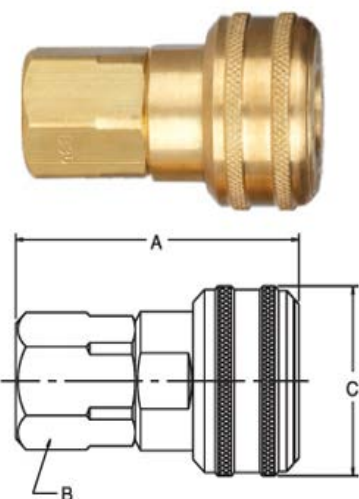
Standard Hose Barb



Part No.	Body Size (in.)	Hose I.d.	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
			A	B	C
ISHA2-1/4	1/4	1/4	2.49	0.75	0.88
ISHA2-5/16	1/4	5/16	2.49	0.75	0.88
ISHA2-3/8	1/4	3/8	2.49	0.75	0.88
ISHA3-3/8	3/8	3/8	2.86	0.88	1.06
ISHA3-1/2	3/8	1/2	3.08	0.88	1.06
ISHA4-3/8	1/2	3/8	3.37	1.00	1.19
ISHA4-1/2	1/2	1/2	3.62	1.00	1.19
ISHA4-3/4	1/2	3/4	3.96	1.00	1.19

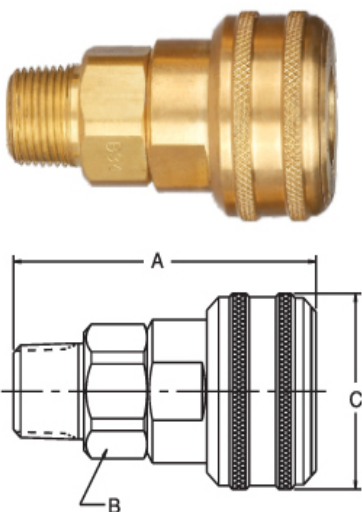
Automatic Coupler With 3 Balls

Female Pipe Thread



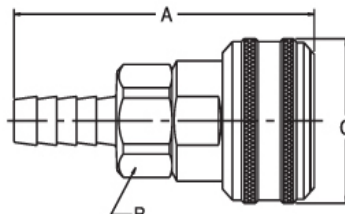
Part No.	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
			A	B	C
BSF2-N01	1/4	1/8-27	1.96	0.75	1.20
BSF2-N02	1/4	1/4-18	1.96	0.75	1.20
BSF2-N03	1/4	3/8-18	2.03	0.81	1.20
BSF3-N02	3/8	1/4-18	2.26	0.88	1.39
BSF3-N03	3/8	3/8-18	2.33	0.88	1.39
BSF3-N04	3/8	1/2-14	2.57	1.00	1.39
BSF4-N03	1/2	3/8-18	2.76	1.00	1.52
BSF4-N04	1/2	1/2-14	3.00	1.00	1.52
BSF4-N06	1/2	3/4-14	3.12	1.25	1.52

Male Pipe Thread

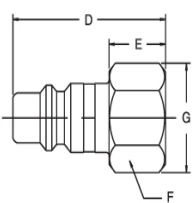


Part No.	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
			A	B	C
BSM2-N01	1/4	1/8-27	2.03	0.75	1.20
BSM2-N02	1/4	1/4-18	2.18	0.75	1.20
BSM2-N03	1/4	3/8-18	2.18	0.81	1.20
BSM3-N02	3/8	1/4-18	2.38	0.88	1.39
BSM3-N03	3/8	3/8-18	2.44	0.88	1.39
BSM3-N04	3/8	1/2-14	2.57	1.00	1.39
BSM4-N03	1/2	3/8-18	2.92	1.00	1.52
BSM4-N04	1/2	1/2-14	3.09	1.00	1.52
BSM4-N06	1/2	3/4-14	3.12	1.13	1.52

4.3-03 Industrial Interchange

Standard Hose Barb		Part No.	Body Size (in.)	Hose I.d.	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
 					A	B	C
		BSH2-1/4	1/4	1/4	2.62	0.75	1.20
		BSH2-5/16	1/4	5/16	2.62	0.75	1.20
		BSH2-3/8	1/4	3/8	2.62	0.75	1.20
		BSH3-3/8	3/8	3/8	2.85	0.88	1.39
		BSH3-1/2	3/8	1/2	2.85	0.88	1.39
		BSH4-1/2	1/2	1/2	3.33	1.00	1.52
		BSH4-3/4	1/2	3/4	3.86	1.00	1.52

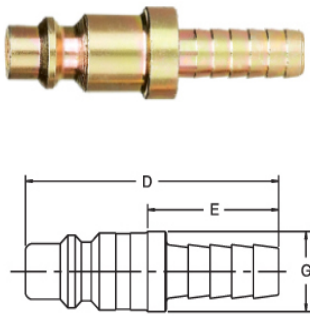
Nipple Female Pipe Thread

		Part No. Brass	Body Size (in.)	Part No. Steel	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Exposed Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
 						D	E	F	G
		IPF2-N01	1/4	IPF2-N01-S	1/8-27	1.38	0.61	0.50	0.58
		IPF2-N02	1/4	IPF2-N02-S	1/4-18	1.56	0.80	0.62	0.72
		IPF2-N03	1/4	IPF2-N03-S	3/8-18	1.60	0.83	0.81	0.94
		IPF3-N02	3/8	IPF3-N02-S	1/4-18	1.60	0.65	0.62	0.72
		IPF3-N03	3/8	IPF3-N03-S	3/8-18	1.69	0.74	0.81	0.94
		IPF3-N04	3/8	IPF3-N04-S	1/2-14	1.84	0.90	1.00	1.16
		IPF4-N03	1/2	IPF4-N03-S	3/8-18	2.03	0.79	0.81	0.94
		IPF4-N04	1/2	IPF4-N04-S	1/2-14	2.25	1.01	1.00	1.16
		IPF4-N06	1/2	IPF4-N06-S	3/4-14	2.38	1.13	1.25	1.44

4.3-03 Industrial Interchange

Male Pipe Thread

	Part No. Brass	Body Size (in.)	Part No. Steel	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Exposed Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					D	E	F	G
	IPM2-N01	1/4	IPM2-N01-S	1/8-27	1.56	0.80	0.50	0.58
	IPM2-N02	1/4	IPM2-N02-S	1/4-18	1.72	0.95	0.56	0.65
	IPM2-N03	1/4	IPM2-N03-S	3/8-18	1.81	1.05	0.69	0.80
	IPM3-N01	3/8	IPM3-N01-S	1/8-27	1.72	0.77	0.62	0.72
	IPM3-N02	3/8	IPM3-N02-S	1/4-18	1.88	0.93	0.62	0.72
	IPM3-N03	3/8	IPM3-N03-S	3/8-18	1.91	0.96	0.69	0.80
	IPM3-N04	3/8	IPM3-N04-S	1/2-14	2.12	1.18	0.88	1.02
	IPM4-N03	1/2	IPM4-N03-S	3/8-18	2.31	1.07	0.69	0.79
	IPM4-N04	1/2	IPM4-N04-S	1/2-14	2.48	1.22	0.88	1.01
	IPM4-N06	1/2	IPM4-N06-S	3/4-14	2.53	1.29	1.13	1.30

Standard Hose Barb 	Part No. Brass	Body Size (in.)	Part No. Steel	Hose I.d.	Dimensions (in.) Overall Length	Dimensions (in.) Exposed Length	Dimensions (in.) Hex Size
					D	E	F
	IPH2-1/4	1/4	IPH2-1/4-S	1/4	2.09	1.33	0.55
	IPH2-5/16	1/4	IPH2-5/16-S	5/16	2.09	1.33	0.55
	IPH2-3/8	1/4	IPH2-3/8-S	3/8	2.09	1.33	0.55
	IPH3-3/8	3/8	IPH3-3/8-S	3/8	2.19	1.24	0.62
	IPH3-1/2	3/8	IPH3-1/2-S	1/2	2.19	1.52	0.68
	IPH4-3/8	1/2	IPH4-3/8-S	3/8	2.53	1.29	0.68
	IPH4-1/2	1/3	IPH4-1/2-S	1/2	2.53	1.57	0.68
	IPH4-3/4	1/4	IPH4-3/4-S	3/4	3.06	1.91	0.93

4.3-04 Parker (Tru-Flate) Interchange

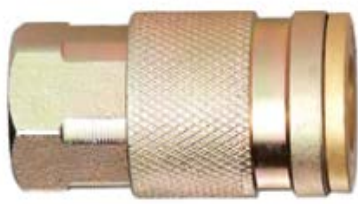
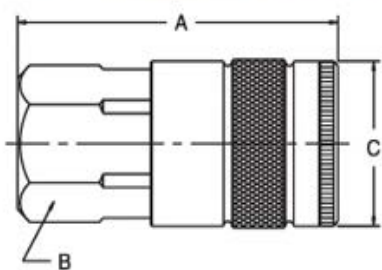
Features

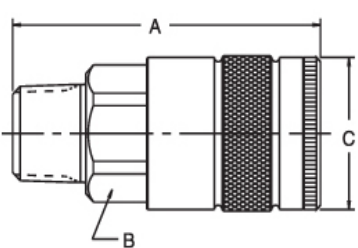
- ◆ "T" Series couplings are the original Tru-Flate design.
- ◆ This unique design has been field proven as a long lasting, high performance coupling especially when used with pneumatic tools.
- ◆ Standard seals are Buna-N (nitrile). See the Coupling Selection and Ordering Information Guide at the beginning of Section A and the Fluid Compatibility Chart at the end of this catalog for optional materials.

Specifications

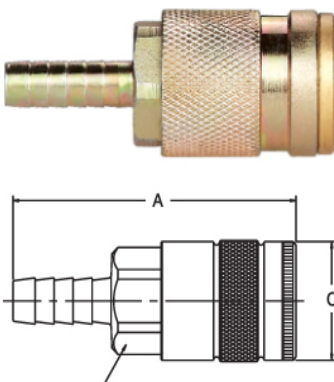
Body Size	1/4	3/8	1/2
Rated Pressure (Bar)	300	300	300
Temperature Range (Std seals)	-40° to +250°F		
Locking Device	6 balls/locking pin		

Manual couplers With 6 Locking balls

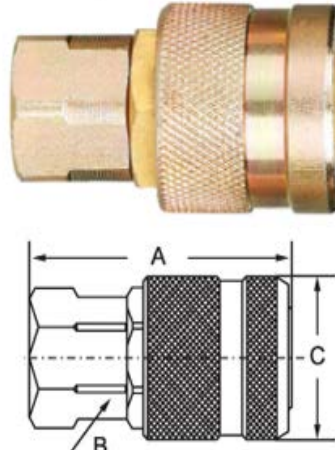
Female Pipe Thread		Part No.	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
 		TSF2-N01	1/4	1/8-27	1.83	0.75	0.88
		TSF2-N02	1/4	1/4-18	1.83	0.75	0.88
		TSF2-N03	1/4	3/8-18	1.95	0.81	0.94
		TSF3-N02	3/8	1/4-18	2.22	0.88	1.06
		TSF3-N03	3/8	3/8-18	2.28	0.88	1.06
		TSF3-N04	3/8	1/2-14	2.55	1.00	1.16
		TSF4-N03	1/2	3/8-18	2.74	1.00	1.19
		TSF4-N04	1/2	1/2-14	2.96	1.00	1.19
		TSF4-N06	1/2	3/4-14	3.19	1.25	1.44

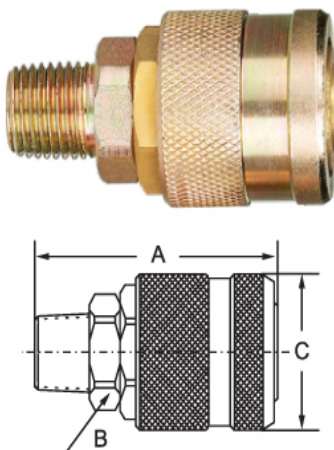
Male Pipe Thread		Part No.	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
 		TSM2-N01	1/4	1/8-27	1.89	0.75	0.88
		TSM2-N02	1/4	1/4-18	2.05	0.75	0.88
		TSM2-N03	1/4	3/8-18	2.08	0.75	0.88
		TSM3-N02	3/8	1/4-18	2.36	0.88	1.06
		TSM3-N03	3/8	3/8-18	2.39	0.88	1.06
		TSM3-N04	3/8	1/2-14	2.55	0.88	1.06
		TSM4-N03	1/2	3/8-18	2.93	1.00	1.19
		TSM4-N04	1/2	1/2-14	3.08	1.00	1.19
		TSM4-N06	1/2	3/4-14	3.21	1.13	1.30

4.3-04 Parker (Tru-Flate) Interchange

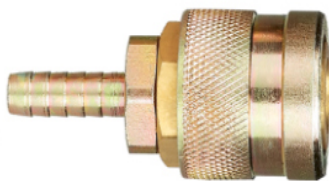
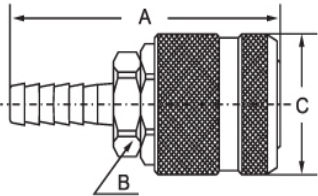
Standard Hose Barb		Part No.	Body Size (in.)	Hose I.d.	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
 Technical drawing of a standard hose barb showing dimensions A (overall length), B (thread length), and C (hex diameter).					A	B	C
		TSH2-1/4	1/4	1/4	2.49	0.75	0.88
		TSH2-5/16	1/4	5/16	2.49	0.75	0.88
		TSH2-3/8	1/4	3/8	2.49	0.75	0.88
		TSH3-3/8	3/8	3/8	2.86	0.88	1.06
		TSH3-1/2	3/8	1/2	3.08	0.88	1.06
		TSH4-3/8	1/2	3/8	3.37	1.00	1.19
		TSH4-1/2	1/3	1/2	3.62	1.00	1.19
		TSH4-3/4	1/4	3/4	3.96	1.00	1.19

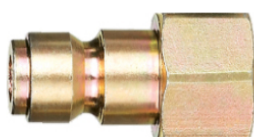
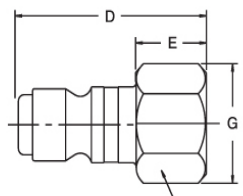
Automatic Coupler With Locking PIN

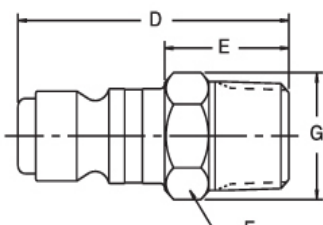
Female Pipe Thread		Part No.	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
 Technical drawing of a female pipe thread automatic coupler showing dimensions A (overall length), B (thread length), and C (hex diameter).					A	B	C
		TSFA2-N01	1/4	1/8-27	1.89	0.75	1.06
		TSFA2-N02	1/4	1/4-18	2.05	0.75	1.06
		TSFA2-N03	1/4	3/8-18	2.08	0.75	1.06
		TSFA3-N02	3/8	1/4-18	2.36	0.88	1.19
		TSFA3-N03	3/8	3/8-18	2.39	0.88	1.19
		TSFA3-N04	3/8	1/2-14	2.55	0.88	1.19
		TSFA4-N03	1/2	3/8-18	2.93	1.00	1.30
		TSFA4-N04	1/2	1/2-14	3.08	1.00	1.30
		TSFA4-N06	1/2	3/4-14	3.21	1.00	1.30

Male Pipe Thread		Part No.	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
 Technical drawing of a male pipe thread automatic coupler showing dimensions A (overall length), B (thread length), and C (hex diameter).					A	B	C
		TSM2-N01	1/4	1/8-27	1.89	0.75	1.06
		TSM2-N02	1/4	1/4-18	2.05	0.75	1.06
		TSM2-N03	1/4	3/8-18	2.08	0.75	1.06
		TSM3-N02	3/8	1/4-18	2.36	0.88	1.19
		TSM3-N03	3/8	3/8-18	2.39	0.88	1.19
		TSM3-N04	3/8	1/2-14	2.55	0.88	1.19
		TSM4-N03	1/2	3/8-18	2.93	1.00	1.30
		TSM4-N04	1/2	1/2-14	3.08	1.00	1.30
		TSM4-N06	1/2	3/4-14	3.21	1.00	1.30

4.3-04 Parker (Tru-Flate) Interchange

Standard Hose Barb		Part No.	Body Size (in.)	Hose I.d.	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
 		TSHA2-1/4	1/4	1/4	2.49	0.75	1.06
		TSHA2-5/16	1/4	5/16	2.49	0.75	1.06
		TSHA2-3/8	1/4	3/8	2.49	0.75	1.06
		TSHA3-3/8	3/8	3/8	2.86	0.88	1.19
		TSHA3-1/2	3/8	1/2	3.08	0.88	1.19
		TSHA4-3/8	1/2	3/8	3.37	1.00	1.30
		TSHA4-1/2	1/3	1/2	3.62	1.00	1.30
		TSHA4-3/4	1/4	3/4	3.96	1.00	1.30

Nipples Female Pipe Thread		Part No. Brass	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall	Dimensions (in.) Exposed Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					D	E	F	G
 		TPF2-N01	1/4	1/8-27	1.28	0.55	0.50	0.58
		TPF2-N02	1/4	1/4-18	1.47	0.74	0.62	0.72
		TPF2-N03	1/4	3/8-18	1.50	0.77	0.81	0.94
		TPF3-N02	3/8	1/4-18	1.60	0.67	0.62	0.72
		TPF3-N03	3/8	3/8-18	1.68	0.77	0.81	0.94
		TPF4-N03	1/2	3/8-18	2.05	0.83	0.81	0.94
		TPF4-N04	1/2	1/2-14	2.27	1.05	1.00	1.16
		TPF4-N06	1/2	3/4-14	2.38	1.13	1.25	1.44

Male Pipe Thread		Part No. Brass	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Exposed Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					D	E	F	G
 		TPM2-N01	1/4	1/8-27	1.47	0.74	0.50	0.58
		TPM2-N02	1/4	1/4-18	1.62	0.89	0.56	0.65
		TPM2-N03	1/4	3/8-18	1.72	0.99	0.69	0.80
		TPM3-N02	3/8	1/4-18	1.88	0.95	0.62	0.72
		TPM3-N03	3/8	3/8-18	1.90	0.98	0.69	0.80
		TPM4-N03	1/2	3/8-18	2.33	1.12	0.69	0.79
		TPM4-N04	1/2	1/2-14	2.48	1.27	0.88	1.01
		TPM4-N06	1/2	3/4-14	2.53	1.29	1.13	1.30

Standard Hose Barb		Part No. Brass	Body Size (in.)	Hose I.d.	Dimensions (in.) Overall Length	Dimensions (in.) Exposed Length	Dimensions (in.) Largest Diameter
					D	E	G
 		TPH2-1/4-S	1/4	1/4	2.00	1.27	0.55
		TPH2-3/8-S	1/4	3/8	2.00	1.27	0.55
		TPH3-3/8-S	3/8	3/8	2.19	1.27	0.63
		TPH4-3/8-S	1/2	3/8	2.53	1.29	0.69
		TPH4-1/2-S	1/2	1/2	2.81	1.60	0.81
		TPH4-3/4-S	1/2	3/4	3.16	1.91	0.94

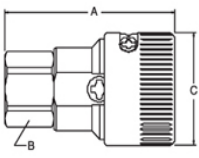
4.3-05 Schrader Interchange

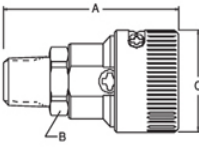
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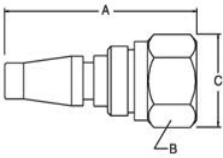
- ◆ Engineered for speedy coupling and uncoupling. To lock - push in; to unlock - give the coupler sleeve a 1/8 turn. Designed to protect against accidental uncoupling.
- ◆ A variety of port configurations are available to meet specific needs.
- ◆ Standard Twist-Lock couplings are ideal for low to medium air flows, such as air tools.
- ◆ Standard Seals are Buna-N (Nitrile).
- ◆ Constructed of Zinc bodies and Zinc plated steel sleeves and nipples.
- ◆ Interchanges with Schrader Twist-Lock style couplings.

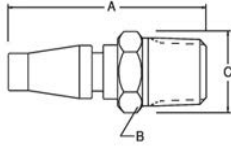
Specification

Body Size	1/4
Rated Pressure (Bar)	250
Temperature Range (Std seals)	-10° to +165°F
Locking Device	CAM

Couplers Female Thread		Part No. Steel	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
		SSF2-N02	1/4	1/4-18	1.875	0.69	1.12
		SSF2-N03	1/4	3/8-18	1.875	0.69	1.12

Male Thread		Part No. Steel	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
		SSM2-N02	1/4	1/4-18	2.125	0.69	1.12
		SSM2-N03	1/4	3/8-18	2.125	0.69	1.12

Nipples Female Thread		Part No. Steel	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
		SPF2-N01	1/4	1/8-27	1.53	0.56	0.65
		SPF2-N02	1/4	1/4-18	1.81	0.69	0.79

Male Thread		Part No. Steel	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
		SPM2-N01	1/4	1/8-27	1.65	0.56	0.65
		SPM2-N02	1/4	1/4-18	1.75	0.56	0.65

4.3-06 Lincoln Interchange

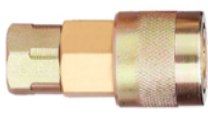
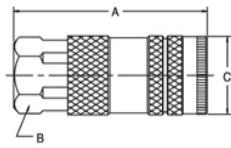
Features

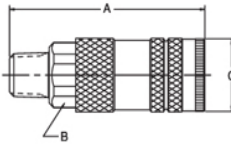
- ◆ "L" Series couplings are interchangeable with Lincoln's "Long Stem" series couplings.
- ◆ "L" Series couplings have a full opening tubular valve for maximum flow and a built-in sleeve guard to minimize accidental disconnect.
- ◆ The "L" Series is only available in 1/4" body size.
- ◆ "L" Series couplings have all brass bodies and steel valves.
- ◆ Standard seal material is Buna-N (Nitrile). See the Coupling Selection and Ordering Information Guide at the beginning of Section A and the Fluid Compatibility Chart at the end of this catalog for optional materials.

Specifications

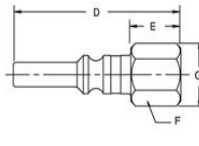
Body Size	1/4
Rated Pressure (Bar)	300
Temperature Range (Std seals)	-40° to +250°F
Locking Device	Locking Pin

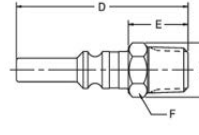
Automatic Coupler With Locking PIN

Female Pipe Thread		Part No. Brass	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
		LSF2-N02	1/4	1/4-18	2.39	0.75	0.88

Male Pipe Thread		Part No. Brass	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
		LSM-N02	1/4	1/4-18	2.61	0.75	0.88

Nipples

Female Pipe Thread		Part No. Steel	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Exposed Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					D	E	F	G
		LPF-N02	1/4	1/4-18	2.10	0.77	0.62	0.72

Male Pipe Thread		Part No. Steel	Body Size (in.)	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Exposed Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					D	E	F	G
		LPM-N02	1/4	1/4-18	2.25	0.92	0.56	0.65

4.3-07 Rectus Series 21 Interchange

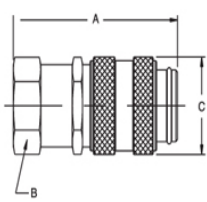
Features

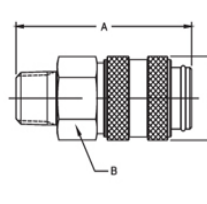
- ◆ "E" series couplings feature a unique design that allows for simple push-to connect. To disconnect, the nipple must be pushed into the coupler before the coupler sleeve can be retracted.
- ◆ This sleeve locking feature greatly reduces the potential of accidental disconnects in applications where connection integrity is of primary importance.
- ◆ Typical uses include rescue and breathing air equipment in addition to general pneumatic applications.
- ◆ Couplers feature solid brass construction, nickel plating, sleeve guard, high flow window valve, stainless steel springs and locking balls

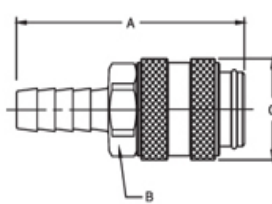
Specifications

Body Size	1/8 1/4
Rated Pressure(Bar)	150
Temperature Range(Std seals)	-40° to +250°F
Locking Device	4balls
Vacuum Service	Not Recommended

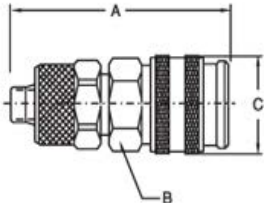
Automatic Coupler With 4 Balls

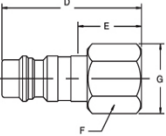
Female Pipe Thread		Part No. Bsp	Body Size (in.)	Thread Size NPT	Part No. NPT	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
							A	B	C
		ESF1-01	1/8	G 1/8	ESF1-N01	NPT1/8	1.42	0.55	0.70
		ESF1-02	1/8	G 1/4	ESF1-N02	NPT1/4	1.81	0.67	0.70
		ESF2-02	1/4	G 1/4	ESF2-N02	NPT1/4	2.45	0.81	0.98
		ESF2-03	1/4	G 3/8	ESF2-N03	NPT3/8	2.55	0.81	0.98

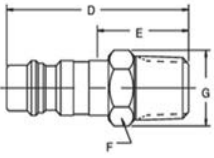
Male Pipe Thread		Part No. Bsp	Body Size (in.)	Thread Size BSP	Part No. NPT	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
							A	B	C
		ESM1-01	1/8	G 1/8	ESM1-N01	NPT1/8	1.37	0.55	0.70
		ESM1-02	1/8	G 1/4	ESM1-N02	NPT1/4	1.45	0.66	0.70
		ESM2-02	1/4	G 1/4	ESM2-N02	NPT1/4	2.55	0.81	0.98
		ESM2-03	1/4	G 3/8	ESM2-N03	NPT3/8	2.58	0.81	0.98

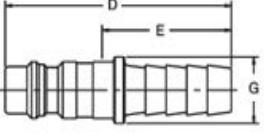
Hose Barb		Part No.	Body Size (in.)	Hose I.d.	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
		ESH1-1/4	1/8	1/4	1.92	0.55	0.70
		ESH1-5/16	1/8	5/16	1.92	0.55	0.70
		ESH2-1/4	1/4	1/4	3.02	0.81	0.98
		ESH2-3/8	1/4	3/8	3.02	0.81	0.98

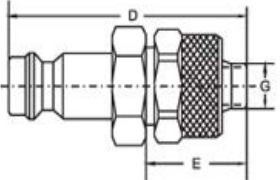
4.3-07 Rectus Series 21 Interchange

Locking Hose		Part No.	Body Size (in.)	Hose	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
		ESL2-0640	1/8	6×4mm	1.73	0.55	0.70
		ESL2-0850	1/8	8×5mm	1.73	0.55	0.70
		ESL2-1065	1/4	10×6.5mm	2.14	0.81	0.98
		ESL2-1280	1/4	12×8mm	0.64	0.81	0.98

Nipples Female Pipe		Part No. Bsp	Body Size (in.)	Thread Size BSP	Part No. NPT	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Exposed Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
							D	E	F	G
		EPF1-01	1/8	G 1/8	EPF1-N01	NPT1/8	1.14	0.61	0.55	0.63
		EPF1-02	1/8	G 1/4	EPF1-N02	NPT1/4	1.34	0.81	0.67	0.78
		EPF2-01	1/4	G 1/4	EPF2-N01	NPT1/4	1.62	0.74	0.62	0.72
		EPF2-02	1/4	G 3/8	EPF2-N02	NPT3/8	1.65	0.77	0.81	0.94

Male Pipe		Part No. Bsp	Body Size (in.)	Thread Size BSP	Part No. NPT	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Exposed Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
							D	E	F	G
		EPM1-01	1/8	G 1/8	EPM1-N01	NPT1/8	1.06	0.53	0.43	0.51
		EPM1-02	1/8	G 1/4	EPM1-N02	NPT1/4	1.20	0.67	0.55	0.63
		EPM2-01	1/4	G 1/4	EPM2-N01	NPT1/4	1.77	0.89	0.56	0.72
		EPM2-02	1/4	G 3/8	EPM2-N02	NPT3/8	1.80	0.92	0.69	0.94

Hose Barb		Part No.	Body Size (in.)	Hose I.d.	Dimensions (in.) Overall Length	Dimensions (in.) Exposed Length	Dimensions (in.) Largest Diameter
					D	E	G
		EPH1-1/4	1/8	1/4	1.39	0.84	0.39
		EPH1-5/16	1/8	5/16	1.39	0.84	0.39
		EPH2-1/4	1/4	1/4	2.06	1.18	0.55
		EPH2-3/8	1/4	3/8	2.06	1.18	0.55

		Part No.	Body Size (in.)	Hose	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
		EPL2-0640	1/8	6×4mm	1.37	0.59	0.11
		EPL2-0850	1/8	8×5mm	1.39	0.59	0.19
		EPL2-1065	1/4	10×6.5mm	1.55	0.66	0.25
		EPL2-1280	1/4	12×8mm	1.63	0.66	0.39

4.3-07 Rectus Series 21 Interchange

Automatic Couplers Female Pipe			Part No. Bsp	Body Size (in.)	Thread Size BSP	Part No. NPT	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
								A	B	C
			ESFD1-01	1/8	G 1/8	ESFD1-N01	NPT1/8	1.42	0.55	0.63
			ESFD1-02	1/8	G 1/4	ESFD1-N02	NPT1/4	1.81	0.67	0.78

Male Pipe			Part No. Bsp	Body Size (in.)	Thread Size BSP	Part No. NPT	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
								A	B	C
			ESMD1-01	1/8	G 1/8	ESMD1-N01	NPT1/8	1.5	0.55	0.63
			ESMD1-02	1/8	G 1/4	ESMD1-N02	NPT1/4	1.61	0.55	0.63

Locking Hose			Part No.	Body Size (in.)	Hose	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
						A	B	C
			ESLD1-0640	1/8	6×4mm	1.73	0.55	0.70
			ESLD1-0850	1/8	8×5mm	1.73	0.55	0.70
			ESLD1-1065	1/8	10×6.5mm	2.12	0.86	0.98
			ESLD1-1280	1/8	12×8mm	2.20	0.86	0.98

Nipples Female Pipe Thread			Part No. Bsp	Body Size (in.)	Thread Size BSP	Part No. NPT	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Exposed Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
								D	E	F	G
			EPFD1-01	1/8	G 1/8	EPFD1-N01	NPT1/8	1.56	1.03	0.55	0.63
			EPFD1-02	1/8	G 1/4	EPFD1-N02	NPT1/4	1.97	1.44	0.67	0.78

Male Pipe Thread			Part No. Bsp	Body Size (in.)	Thread Size BSP	Part No. NPT	Thread Size NPT	Dimensions (in.) Overall Length	Dimensions (in.) Exposed Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
								D	E	F	G
			EPMD1-01	1/8	G 1/8	EPMD1-N01	NPT1/8	1.65	1.12	0.55	0.63
			EPMD1-02	1/8	G 1/4	EPMD1-N02	NPT1/4	1.77	1.24	0.67	0.78

Locking Hose			Part No.	Body Size (in.)	Hose	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
						D	E	G
			EPLD2-0640	1/8	6×4mm	1.57	0.59	0.11
			EPLD2-0850	1/8	8×5mm	1.59	0.59	0.19
			EPLD2-1065	1/8	10×6.5mm	1.75	0.59	0.27
			EPLD2-1280	1/8	12×8mm	1.83	0.64	0.39

4.3-08 Asia Type Interchange

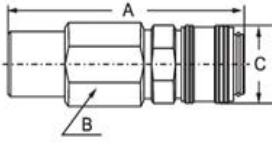
Features

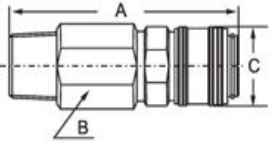
- ◆ "N" series couplings feature a unique design that allows for simple push-to connect operation yet requires a two step process to disconnect. To disconnect, the nipple must be pushed into the coupler before the coupler sleeve can be retracted.
- ◆ This sleeve locking feature greatly reduces the potential of accidental disconnects in applications where connection integrity is of primary importance.
- ◆ Typical uses include rescue and breathing air equipment in addition to general pneumatic applications

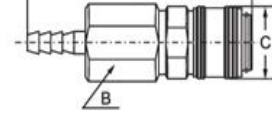
Specifications

Body Size	1/4
Rated Pressure(Bar)	150
Temperature Range(Std seals)	-40° to +250°
Locking Device	3balls
Vacuum Service	Not Recommended

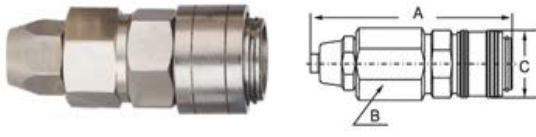
Automatic Coupler With 4 Balls

Female Pipe Thread		Part No.	Body Size (in.)	Thread Size BSP	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
		NSF2-01	1/4	G 1/8	2.28	0.86	0.86
		NSF2-02	1/4	G 1/4	2.36	0.86	0.86
		NSF2-03	1/4	G 3/8	2.44	0.86	0.86
		NSF2-04	1/4	G 1/2	2.55	0.86	0.86

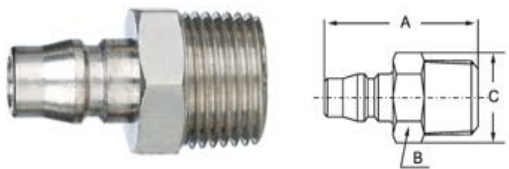
Male Pipe Thread		Part No.	Body Size (in.)	Thread Size BSP	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
		NSM2-01	1/4	G 1/8	2.28	0.86	0.86
		NSM2-02	1/4	G 1/4	2.36	0.86	0.86
		NSM2-03	1/4	G 3/8	2.40	0.86	0.86
		NSM2-04	1/4	G 1/2	2.55	0.86	0.86

Hose Barb		Part No.	Body Size (in.)	Hose I.d.	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
		NSH2-01	1/4	1/4	2.83	0.86	0.86
		NSH2-02	1/4	5/16	2.83	0.86	0.86
		NSH2-03	1/4	3/8	2.83	0.86	0.86
		NSH2-04	1/4	1/2	2.83	0.86	0.86

4.3-08 Asia Type Interchange

Lock Hose		Part No.	Body Size (in.)	Hose	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
		NSL2-0640	1/4	6×4mm	2.30	0.86	0.86
		NSL2-0850	1/4	8×5mm	2.36	0.86	0.86
		NSL2-1065	1/4	10×6.5mm	2.44	0.86	0.86
		NSL2-1280	1/4	12×8mm	2.46	0.86	0.86

Nipples Female Pipe Thread		Part No.	Body Size (in.)	Thread Size BSP	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
		NPF2-01	1/4	G 1/8	1.35	0.55	0.64
		NPF2-02	1/4	G 1/4	1.47	0.66	0.74
		NPF2-03	1/4	G 3/8	1.47	0.86	0.98
		NPF2-04	1/4	G 1/2	1.52	0.94	1.10

Male Pipe Thread		Part No.	Body Size (in.)	Thread Size BSP	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
		NPM2-01	1/4	G 1/8	1.47	0.55	0.64
		NPM2-02	1/4	G 1/4	1.57	0.66	0.74
		NPM2-03	1/4	G 3/8	1.57	0.86	0.98
		NPM2-04	1/4	G 1/2	1.73	0.94	1.10

Hose Barb		Part No.	Body Size (in.)	Hose I.d.	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
		NPH2-1/4	1/4	1/4	2.24	0.59	0.98
		NPH2-5/16	1/4	5/16	2.24	0.59	0.98
		NPH2-3/8	1/4	3/8	2.24	0.59	0.98
		NPH2-1/2	1/4	1/2	2.52	0.59	0.98

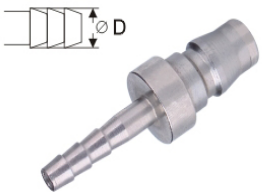
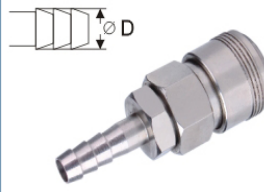
Lock Hose		Part No.	Body Size (in.)	Hose	Dimensions (in.) Overall Length	Dimensions (in.) Hex Size	Dimensions (in.) Largest Diameter
					A	B	C
		NPL2-0640	1/4	6×4mm	1.43	0.55	0.64
		NPL2-0850	1/4	8×5mm	1.49	0.55	0.64
		NPL2-1065	1/4	10×6.5mm	1.57	0.66	0.74
		NPL2-1280	1/4	12×8mm	1.59	0.82	0.94

4.3-09 American Type Couplings

Plug Male	Part#	Thread	Socket Male	Part#	Thread
 UPM	UPM-01	R1/8	 USM	USM-01	R1/8
	UPM-02	R1/4		USM-02	R1/4
	UPM-03	R3/8		USM-03	R3/8
	UPM-04	R1/2		USM-04	R1/2
	UPM-N01	NPT1/8		USM-N01	NPT1/8
	UPM-N02	NPT1/4		USM-N02	NPT1/4
	UPM-N03	NPT3/8		USM-N03	NPT3/8
	UPM-N04	NPT1/2		USM-N04	NPT1/2

Plug Female	Part#	Thread	Socket Female	Part#	Thread
 UPF	UPF-01	R1/8	 USF	USF-01	R1/8
	UPF-02	R1/4		USF-02	R1/4
	UPF-03	R3/8		USF-03	R3/8
	UPF-04	R1/2		USF-04	R1/2
	UPF-N01	NPT1/8		USF-N01	NPT1/8
	UPF-N02	NPT1/4		USF-N02	NPT1/4
	UPF-N03	NPT3/8		USF-N03	NPT3/8
	UPF-N04	NPT1/2		USF-N04	NPT1/2

4.3-10 A Series Quick Acting Couplers

Plug Nipple	Part#	Size	Socket Nipple	Part#	Size
 APPH	APPH-06	6mm	 APSH	APSH-06	6mm
	APPH-08	8mm		APSH-08	8mm
	APPH-09	9mm		APSH-09	9mm
	APPH-10	10mm		APSH-10	10mm
	APPH-12	12mm		APSH-12	12mm
	APPH-13	13mm		APSH-13	13mm

Plug Male	Part#	Thread	Socket Male	Part#	Thread
 APPM	APPM-02	R1/4	 APSM	APSM-02	R1/4
	APPM-03	R3/8		APSM-03	R3/8
	APPM-04	R1/2		APSM-04	R1/2
	APPM-N02	NPT1/4		APSM-N02	NPT1/4
	APPM-N03	NPT3/8		APSM-N03	NPT3/8
	APPM-N04	NPT1/2		APSM-N04	NPT1/2

Plug Female	Part#	Thread	Socket Female	Part#	Thread
 APPF	APPF-02	R1/4	 APSF	APSF-02	R1/4
	APPF-03	R3/8		APSF-03	R3/8
	APPF-04	R1/2		APSF-04	R1/2
	APPF-N02	NPT1/4		APSF-N02	NPT1/4
	APPF-N03	NPT3/8		APSF-N03	NPT3/8
	APPF-N04	NPT1/2		APSF-N04	NPT1/2

Plug Nipple	Part#	Size(Out/In)	Socket Nipple	Part#	Size(Out/In)
 APPP	APPP-5/3	5/3mm	 APSP	APSP-5/3	5/3mm
	APPP-6/4	6/4mm		APSP-6/4	6/4mm
	APPP-8/6	8/6mm		APSP-8/6	8/6mm
	APPP-10/8	10/8mm		APSP-10/8	10/8mm
	APPP-12/10	12/10mm		APSP-12/10	12/10mm

4.3-11 C Series Quick Acting Couplers

Plug Nipple	Part#	Size(Out/In)
	CPPH-5/3	5/3mm
	CPPH-6/4	6/4mm
	CPPH-8/6	8/6mm
	CPPH-10/8	10/8mm
	CPPH-12/10	12/10mm
CPPH		

Socket Nipple	Part#	Size
	CPSH-5/3	5/3mm
	CPSH-6/4	6/4mm
	CPSH-8/6	8/6mm
	CPSH-10/8	10/8mm
	CPSH-12/1	12/10mm
CPSH		

Plug Male	Part#	Thread
	CPPM-02	R1/4
	CPPM-03	R3/8
	CPPM-04	R1/2
	CPPM-N02	NPT1/4
	CPPM-N03	NPT3/8
	CPPM-N04	NPT1/2
CPPM		

Socket Male	Part#	Thread
	CPSM-02	R1/4
	CPSM-03	R3/8
	CPSM-04	R1/2
	CPSM-N02	NPT1/4
	CPSM-N03	NPT3/8
	CPSM-N04	NPT1/2
CPSM		

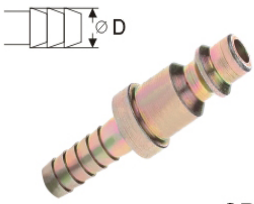
Plug Female	Part#	Thread
	CPPF-02	R1/4
	CPPF-03	R3/8
	CPPF-04	R1/2
	CPPF-N02	NPT1/4
	CPPF-N03	NPT3/8
	CPPF-N04	NPT1/2
CPPF		

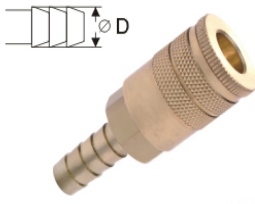
Socket Female	Part#	Thread
	CPSF-02	R1/4
	CPSF-03	R3/8
	CPSF-04	R1/2
	CPSF-N02	NPT1/4
	CPSF-N03	NPT3/8
	CPSF-N04	NPT1/2
CPSF		

Check valve plug	Part#	Size
	CPPC-02	R1/4
	CPPC-03	R3/8
	CPPC-04	R1/2
	CPPC-N02	NPT1/4
	CPPC-N03	NPT3/8
	CPPC-N04	NPT1/2
CPPC		

Socket Nipple	Part#	Size
	CPSC-5/3	5/3mm
	CPSC-6/4	6/4mm
	CPSC-8/6	8/6mm
	CPSC-10/8	10/8mm
	CPSC-12/1	12/10mm
CPSC		

4.3-12 G Series Quick Acting Couplers

Plug Nipple	Part#	Size
	GPPH-06	6mm
	GPPH-08	8mm
	GPPH-09	9mm
	GPPH-10	10mm
	GPPH-12	12mm
	GPPH-13	13mm

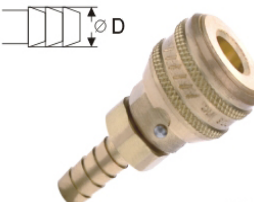
Socket Nipple	Part#	Size
	GPSH-06	6mm
	GPSH-08	8mm
	GPSH-09	9mm
	GPSH-10	10mm
	GPSH-12	12mm
	GPSH-13	13mm

Plug Male	Part#	Thread
	GPPM-02	R1/4
	GPPM-03	R3/8
	GPPM-04	R1/2
	GPPM-N02	NPT1/4
	GPPM-N03	NPT3/8
	GPPM-N04	NPT1/2

Socket Male	Part#	Thread
	GPSM-02	R1/4
	GPSM-03	R3/8
	GPSM-04	R1/2
	GPSM-N02	NPT1/4
	GPSM-N03	NPT3/8
	GPSM-N04	NPT1/2

Plug Female	Part#	Thread
	GPPF-02	R1/4
	GPPF-03	R3/8
	GPPF-04	R1/2
	GPPF-N02	NPT1/4
	GPPF-N03	NPT3/8
	GPPF-N04	NPT1/2

Socket Female	Part#	Thread
	GPSF-02	R1/4
	GPSF-03	R3/8
	GPSF-04	R1/2
	GPSF-N02	NPT1/4
	GPSF-N03	NPT3/8
	GPSF-N04	NPT1/2

Socket Nipple	Part#	Size
	GBSH-06	6mm
	GBSH-08	8mm
	GBSH-09	9mm
	GBSH-10	10mm
	GBSH-12	12mm
	GBSH-13	13mm

Socket Male	Part#	Thread
	GBSM-02	R1/4
	GBSM-03	R3/8
	GBSM-04	R1/2
	GBSM-N02	NPT1/4
	GBSM-N03	NPT3/8
	GBSM-N04	NPT1/2

Socket Female	Part#	Thread
	GBSF-02	R1/4
	GBSF-03	R3/8
	GBSF-04	R1/2
	GBSF-N02	NPT1/4
	GBSF-N03	NPT3/8
	GBSF-N04	NPT1/2

4.3-13 Ship Welding Series

Features

◆"W"series couplings expertise used in ship welding field.Different color distinguish the medium.Red couplings is used for acetylene. Yellow couplings is used for carbon dioxide.Grey couplings is used for oxygen.

Specifications

Body Size	1/4
Rated Pressure(Bar)	10
Temperature Range(Std seals)	-20° to +100°F
Locking Device	3balls

For Acetylene

					
Part No.	Thread	Part No.	Thread	Part No.	Hose(mm)
WMA-02	ZG1/4	WFA-02	ZG1/4	WHA-9	9
WMA-03	ZG3/8	WFA-03	ZG3/8		
WMA-04	ZG1/2	WFA-04	ZG1/2		

For Carbon Dioxide

					
Part No.	Thread	Part No.	Thread	Part No.	Hose(mm)
WMC-02	ZG1/4	WFC-02	ZG1/4	WHC-9	9
WMC-03	ZG3/8	WFC-03	ZG3/8		
WMC-04	ZG1/2	WFC-04	ZG1/2		

For Oxygen

					
Part No.	Thread	Part No.	Thread	Part No.	Hose(mm)
WMO-02	ZG1/4	WFO-02	ZG1/4	WHO-9	9
WMO-03	ZG3/8	WFO-03	ZG3/8		
WMO-04	ZG1/2	WFO-04	ZG1/2		