

## Interchange Data

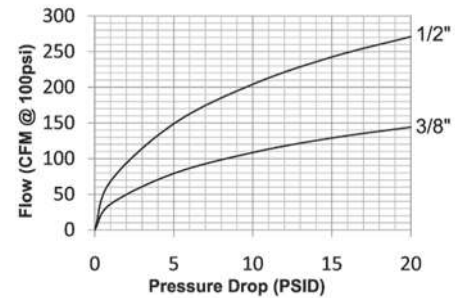
- Bowes Interchange Bayonet Style
- Interchangeable with Bowes 51000-Series, National Series B, Dix-Lock®, MacDonald Quick-Action, and Campbell Single Lock

## Materials

- Machined components are manufactured using solid steel, brass, or 303 stainless steel bar stock. 316 stainless steel available in some versions upon request
- Stainless steel retaining ring and spring maximize corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant trivalent chrome
- Dust cap with steel cable lanyard
- Steel plugs have a cast zinc sleeve
- Steel and brass locking version have an aluminum lock ring while the stainless locking version has a stainless lock ring

## Seal Components

- Nitrile (Buna-N) pneumatically energized seals are standard, providing a temperature range of **-40°F to 250°F** (**-40°C to 121°C**)



## Rated Pressure Chart

Body Size	Dix-Lock N-Series (Connected)											
	Steel Coupler/Plug				Brass Coupler/Plug				303 Stainless Steel Coupler/Plug			
	Max. Working		Burst		Max. Working		Burst		Max. Working		Burst	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
3/8"	500	35	7,000	480	-	-	-	-	-	-	-	-
1/2"	500	35	11,000	755	300	20	8,200	565	500	35	12,600	865

## Technical Specifications

Body Size	Interchange Standards				Functional Parameters					
	U.S. Military	U.S. Government	International Standards	ANSI/NFPA Standards	Locking Mechanism	Air Inclusion	Fluid Loss	Vacuum Rating	Flow ΔP = 10 PSI	
3/8"	-	-	-	-	latch tabs	N/A	N/A	N/R	108 CFM	
1/2"	MIL-C-3486	A-A-50431A	-	-	latch tabs	N/A	N/A	N/R	204 CFM	

## Available Options

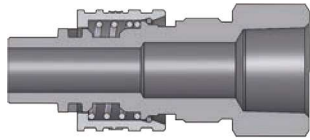
Body Size	Seals	Staked Ferrule Option		
	FKM	1/2" Barb	3/4" Barb	3/4" Stainless Barb
	Prefix	Suffix	Suffix	Suffix
3/8"	F-	-WF	-WF	-WF
1/2"	F-	-WF	-WF	-WF

**!** It is important to be safe when installing quick disconnect couplings into a pneumatic circuit. Never install a pneumatic coupling directly into an air tool. Use a piece of hose that is at least 18" long between the tool and the coupling to prevent damage to the coupling. To protect the operator, safety devices such as a safety check valve and safety cable should be installed in case there is a hose or coupling failure.

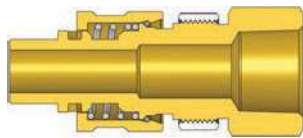
## Pneumatic Couplings: Dix-Lock® N-Series



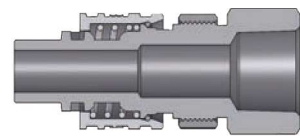
Body Size	Dix-Lock N-Series Coupler (Female Threads)							
	Part Detail			Length		Maximum OD		Hex Inch
	Part #	Threads	Material	Inch	mm	Inch	mm	
1/2"	4NBF3	3/8" - 19 BSPP	steel	1.63	41.4	1.54	39.1	1-3/8"
	4NBF4	1/2" - 14 BSPP	steel	1.63	41.4	1.54	39.1	1-3/8"
	4NBF4-B	1/2" - 14 BSPP	brass	1.63	41.4	1.54	39.1	1-3/8"
	4NBF6	3/4" - 14 BSPP	steel	1.63	41.4	1.54	39.1	1-3/8"
	4NBF6-B	3/4" - 14 BSPP	brass	1.63	41.4	1.54	39.1	1-3/8"
	4NBF8	1" - 11 BSPP	steel	1.68	42.6	1.73	43.9	1-1/2"
	4NBF8-B	1" - 11 BSPP	brass	1.68	42.6	1.73	43.9	1-1/2"
	4NF3	3/8" - 18 NPTF	steel	1.63	41.4	1.54	39.1	1-3/8"
	4NF3-B	3/8" - 18 NPTF	brass	1.63	41.4	1.54	39.1	1-3/8"
	4NF4	1/2" - 14 NPTF	steel	1.63	41.4	1.54	39.1	1-3/8"
	4NF4-B	1/2" - 14 NPTF	brass	1.63	41.4	1.54	39.1	1-3/8"
	4NF6	3/4" - 14 NPTF	steel	1.63	41.4	1.54	39.1	1-3/8"
	4NF6-B	3/4" - 14 NPTF	brass	1.63	41.4	1.54	39.1	1-3/8"
	4NF6-S	3/4" - 14 NPTF	303 stainless	1.63	41.4	1.54	39.1	1-3/8"
	4NF6-SS	3/4" - 14 NPTF	316 stainless	1.63	41.4	1.54	39.1	1-3/8"
	4NF8	1" - 11-1/2 NPTF	steel	1.68	42.6	1.73	43.9	1-1/2"
	4NF8-B	1" - 11-1/2 NPTF	brass	1.68	42.6	1.73	43.9	1-1/2"
	4NF8-SS	1" - 11-1/2 NPTF	316 stainless	1.68	42.6	1.73	43.9	1-1/2"



Body Size	Dix-Lock N-Series Plug (Female Threads)							
	Part Detail			Length		Maximum OD		Hex Inch
	Part #	Threads	Material	Inch	mm	Inch	mm	
1/2"	N4BF3	3/8" - 19 BSPP	steel	2.92	74.0	1.31	33.3	1-3/16"
	N4BF4	1/2" - 14 BSPP	steel	2.92	74.0	1.31	33.3	1-3/16"
	N4BF4-B	1/2" - 14 BSPP	brass	2.92	74.0	1.31	33.3	1-3/16"
	N4BF6	3/4" - 14 BSPP	steel	3.42	86.7	1.50	38.1	1-3/8"
	N4BF6-B	3/4" - 14 BSPP	brass	3.42	86.7	1.50	38.1	1-3/8"
	N4BF8	1" - 11 BSPP	steel	3.59	91.2	1.79	45.3	1-5/8"
	N4BF8-B	1" - 11 BSPP	brass	3.59	91.2	1.79	45.3	1-5/8"
	N4F3	3/8" - 18 NPTF	steel	2.92	74.0	1.31	33.3	1-3/16"
	N4F3-B	3/8" - 18 NPTF	brass	2.92	74.0	1.31	33.3	1-3/16"
	N4F4	1/2" - 14 NPTF	steel	2.92	74.0	1.31	33.3	1-3/16"
	N4F4-B	1/2" - 14 NPTF	brass	2.92	74.0	1.31	33.3	1-3/16"
	N4F6	3/4" - 14 NPTF	steel	3.42	86.7	1.50	38.1	1-3/8"
	N4F6-B	3/4" - 14 NPTF	brass	3.42	86.7	1.50	38.1	1-3/8"
	N4F6-S	3/4" - 14 NPTF	303 stainless	3.42	86.7	1.50	38.1	1-3/8"
	N4F6-SS	3/4" - 14 NPTF	316 stainless	3.42	86.7	1.50	38.1	1-3/8"
	N4F8	1" - 11-1/2 NPTF	steel	3.59	91.2	1.79	45.3	1-5/8"
N4F8-B	1" - 11-1/2 NPTF	brass	3.59	91.2	1.79	45.3	1-5/8"	
N4F8-SS	1" - 11-1/2 NPTF	316 stainless	3.59	91.2	1.79	45.3	1-5/8"	

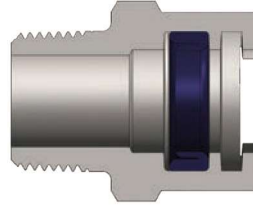


Body Size	Dix-Lock N-Series Plug with Locking Sleeve (Female Threads)							
	Part Detail			Length		Maximum OD		Hex Inch
	Part #	Threads	Material	Inch	mm	Inch	mm	
1/2"	N4F4-B-LS	1/2" - 14 NPTF	brass	2.92	74.0	1.31	33.3	1-3/16"
	N4F6-B-LS	3/4" - 14 NPTF	brass	3.42	86.7	1.50	38.1	1-3/8"
	N4F6-LS	3/4" - 14 NPTF	steel	3.42	86.70	1.50	38.10	1-3/8"



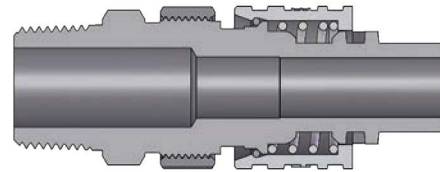
Body Size	Dix-Lock N-Series Plug with Steel Locking Sleeve (Female Threads)							
	Part Detail			Length		Maximum OD		Hex Inch
	Part #	Threads	Material	Inch	mm	Inch	mm	
1/2"	N4F6-ZLS	3/4" - 14 NPTF	steel	1.63	41.40	1.54	39.10	1-3/8"

## Pneumatic Couplings: Dix-Lock® N-Series



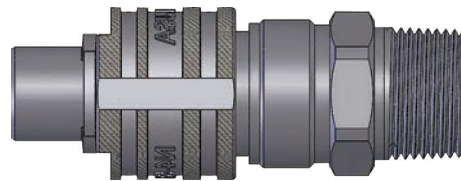
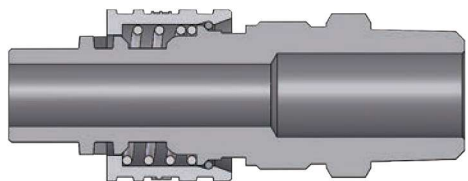
Dix-Lock N-Series Coupler (Male Threads)

Body Size	Dix-Lock N-Series Coupler (Male Threads)							
	Part Detail			Length		Maximum OD		Hex Inch
	Part #	Threads	Material	Inch	mm	Inch	mm	
3/8"	3NBM4	1/2" - 14 BSPT	steel	1.73	43.8	1.1	27.9	1"
	3NM4	1/2" - 14 NPTF	steel	1.8	45.7	1.1	27.9	1"
1/2"	4NBM3	3/8" - 19 BSPT	steel	1.66	42.2	1.5	38.1	1-3/8"
	4NBM4	1/2" - 14 BSPT	steel	1.75	44.5	1.5	38.1	1-3/8"
	4NBM4-B	1/2" - 14 BSPT	brass	1.75	44.5	1.5	38.1	1-3/8"
	4NBM6	3/4" - 14 BSPT	steel	1.85	47	1.5	38.1	1-3/8"
	4NBM6-B	3/4" - 14 BSPT	brass	1.85	47	1.5	38.1	1-3/8"
	4NBM8	1" - 11 BSPT	steel	1.95	49.5	1.5	38.1	1-1/2"
	4NBM8-B	1" - 11 BSPT	brass	1.95	49.5	1.5	38.1	1-1/2"
	4NM3	3/8" - 18 NPTF	steel	1.66	42.2	1.5	38.1	1-3/8"
	4NM3-B	3/8" - 18 NPTF	brass	1.66	42.2	1.5	38.1	1-3/8"
	4NM4	1/2" - 14 NPTF	steel	1.85	47	1.5	38.1	1-3/8"
	4NM4-B	1/2" - 14 NPTF	brass	1.85	47	1.5	38.1	1-3/8"
	4NM6	3/4" - 14 NPTF	steel	1.85	47	1.5	38.1	1-3/8"
	4NM6-B	3/4" - 14 NPTF	brass	1.85	47	1.5	38.1	1-3/8"
	4NM6-S	3/4" - 14 NPTF	303 stainless	1.85	47	1.5	38.1	1-3/8"
	4NM6-SS	3/4" - 14 NPTF	316 stainless	1.85	47	1.5	38.1	1-3/8"
	4NM8	1" - 11-1/2 NPTF	steel	1.95	49.5	1.5	38.1	1-1/2"
	4NM8-B	1" - 11-1/2 NPTF	brass	1.95	49.5	1.5	38.1	1-1/2"
	4NM8-SS	1" - 11-1/2 NPTF	316 stainless	1.95	49.5	1.5	38.1	1-1/2"

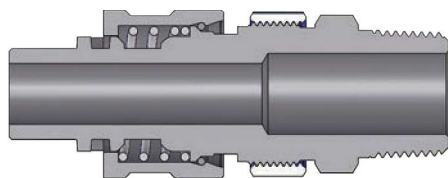


Dix-Lock N-Series Interchange Plug with Steel Locking Sleeve (Male Threads)

Body Size	Dix-Lock N-Series Interchange Plug with Steel Locking Sleeve (Male Threads)							
	Part Detail			Length		Maximum OD		Hex Inch
	Part #	Threads	Material	Inch	mm	Inch	mm	
1/2"	N4M6-ZLS	3/4" - 14 NPTF	steel	3.65	92.70	1.31	33.30	1-3/16"

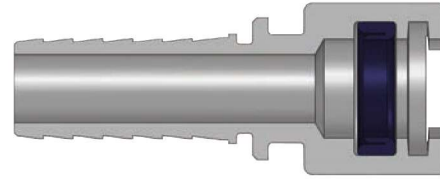
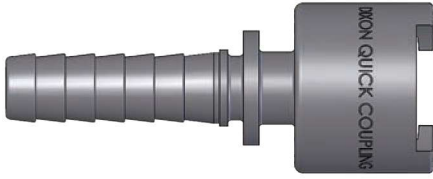


Body Size	Dix-Lock N-Series Plug (Male Threads)							
	Part Detail			Length		Maximum OD		Hex Inch
	Part #	Threads	Material	Inch	mm	Inch	mm	
3/8"	N3BM4	1/2" - 14 BSPT	steel	3.36	85.3	1.13	28.6	1"
	N3M4	1/2" - 14 NPTF	steel	3.36	85.3	1.13	28.6	1"
1/2"	N4BM3	3/8" - 19 BSPT	steel	3.46	87.9	1.31	33.3	1-3/16"
	N4BM4	1/2" - 14 BSPT	steel	3.65	92.7	1.31	33.3	1-3/16"
	N4BM4-B	1/2" - 14 BSPT	brass	3.65	92.7	1.31	33.3	1-3/16"
	N4BM6	3/4" - 14 BSPT	steel	3.65	92.7	1.31	33.3	1-3/16"
	N4BM6-B	3/4" - 14 BSPT	brass	3.64	92.7	1.31	33.3	1-3/16"
	N4BM8	1" - 11 BSPT	steel	3.89	98.8	1.51	38.4	1-3/8"
	N4BM8-B	1" - 11 BSPT	brass	3.89	98.8	1.51	38.4	1-3/8"
	N4M3	3/8" - 18 NPTF	steel	3.46	87.9	1.31	33.3	1-3/16"
	N4M3-B	3/8" - 18 NPTF	brass	3.46	87.9	1.31	33.3	1-3/16"
	N4M4	1/2" - 14 NPTF	steel	3.65	92.7	1.31	33.3	1-3/16"
	N4M4-B	1/2" - 14 NPTF	brass	3.65	92.7	1.31	33.3	1-3/16"
	N4M6	3/4" - 14 NPTF	steel	3.65	92.7	1.31	33.3	1-3/16"
	N4M6-B	3/4" - 14 NPTF	brass	3.65	92.7	1.31	33.3	1-3/16"
	N4M6-S	3/4" - 14 NPTF	303 stainless	3.65	92.7	1.31	33.3	1-3/16"
	N4M6-SS	3/4" - 14 NPTF	316 stainless	3.65	92.7	1.31	33.30	1-3/16"
	N4M8	1" - 11-1/2 NPTF	steel	3.89	98.8	1.51	38.4	1-3/8"
	N4M8-B	1" - 11-1/2 NPTF	brass	3.89	98.8	1.51	38.4	1-3/8"
	N4M8-SS	1" - 11-1/2 NPTF	316 stainless	3.89	98.8	1.51	38.40	1-3/8"

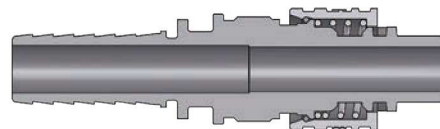


Body Size	Dix-Lock N-Series Plug with Locking Sleeve (Male Threads)							
	Part Detail			Length		Maximum OD		Hex Inch
	Part #	Threads	Material	Inch	mm	Inch	mm	
1/2"	N4BM4-LS	1/2" - 14 BSPT	steel	3.65	92.7	1.31	33.3	1-3/16"
	N4BM6-LS	3/4" - 14 BSPT	steel	3.65	92.7	1.31	33.3	1-3/16"
	N4M4-B-LS	1/2" - 14 NPTF	brass	3.65	92.7	1.31	33.3	1-3/16"
	N4M4-LS	1/2" - 14 NPTF	steel	3.65	92.7	1.31	33.3	1-3/16"
	N4M6-B-LS	3/4" - 14 NPTF	brass	3.65	92.7	1.31	33.3	1-3/16"
	N4M6-LS	3/4" - 14 NPTF	steel	3.65	92.7	1.31	33.3	1-3/16"
	N4M6-S-LS	3/4" - 14 NPTF	303 stainless	3.65	92.7	1.31	33.3	1-3/16"

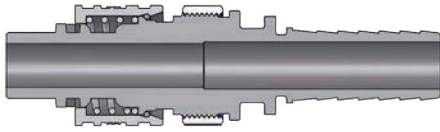
## Pneumatic Couplings: Dix-Lock® N-Series



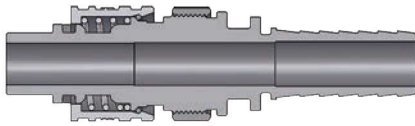
Body Size	Dix-Lock N-Series Coupler (Hose Barb)						
	Part Detail			Length		Maximum OD	
	Part #	Hose ID	Material	Inch	mm	Inch	mm
3/8"	3NCS4	1/2"	steel	4.74	120.4	0.99	25.1
	4NS3	3/8"	steel	4.54	115.3	1.4	35.6
1/2"	4NS3-B	3/8"	brass	4.54	115.3	1.4	35.6
	4NS4	1/2"	steel	4.95	125.7	1.4	35.6
	4NS4-B	1/2"	brass	4.95	125.7	1.4	35.6
	4NS6	3/4"	steel	4.95	125.7	1.4	35.6
	4NS6-B	3/4"	brass	4.95	125.7	1.4	35.6
	4NS6-S	3/4"	303 stainless	4.95	125.7	1.4	35.6
	4NS6-SS	3/4"	316 stainless	4.95	125.7	1.4	35.6
	4NS8	1"	steel	5.77	146.4	1.4	35.6
	4NS8-B	1"	brass	5.77	146.4	1.4	35.6
	4NS8-S	1"	303 stainless	5.77	146.4	1.4	35.6
	4NS8-SS	1"	316 stainless	5.77	146.4	1.4	35.6



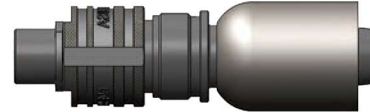
Body Size	Dix-Lock N-Series Plug (Hose Barb)						
	Part Detail			Length		Maximum OD	
	Part #	Hose ID	Material	Inch	mm	Inch	mm
3/8"	N3CS4	1/2"	steel	3.73	94.8	1.13	28.6
	N4S3	3/8"	steel	4.36	110.7	1.4	35.6
1/2"	N4S3-B	3/8"	brass	4.36	110.7	1.4	35.6
	N4S4	1/2"	steel	4.63	117.6	1.4	35.6
	N4S4-B	1/2"	brass	4.63	117.6	1.4	35.6
	N4S6	3/4"	steel	4.77	121.2	1.4	35.6
	N4S6-B	3/4"	brass	4.77	121.2	1.4	35.6
	N4S6-S	3/4"	303 stainless	4.77	121.2	1.4	35.6
	N4S6-SS	3/4"	316 stainless	4.77	121.2	1.4	35.6
	N4S8	1"	steel	4.77	121.2	1.4	35.6
	N4S8-B	1"	brass	4.77	121.2	1.4	35.6
	N4S8-S	1"	303 stainless	4.77	121.2	1.4	35.6
	N4S8-SS	1"	316 stainless	4.77	121.2	1.4	35.6



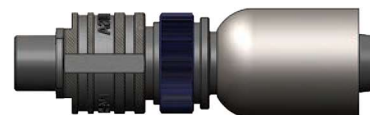
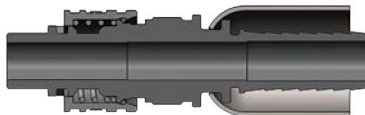
Body Size	Dix-Lock N-Series Plug with Locking Sleeve (Hose Barb)							
	Part Detail			Length		Maximum OD		Hex Inch
	Part #	Hose ID	Material	Inch	mm	Inch	mm	
1/2"	N4S4-LS	1/2"	steel	4.95	125.7	1.40	35.6	-
	N4S4-B-LS	1/2"	brass	4.95	125.7	1.40	35.6	-
	N4S6-LS	3/4"	steel	4.95	125.7	1.40	35.6	-
	N4S6-B-LS	3/4"	brass	4.95	125.7	1.40	35.6	-
	N4S6-S-LS	3/4"	303 stainless	4.95	125.7	1.40	35.6	-



Body Size	Dix-Lock N-Series Interchange Plug with Steel Locking Sleeve (Hose Barb)							
	Part Detail			Length		Maximum OD		Hex Inch
	Part #	Threads	Material	Inch	mm	Inch	mm	
1/2"	N4S6-ZLS	3/4" barb	steel	4.77	121.20	1.40	35.60	-



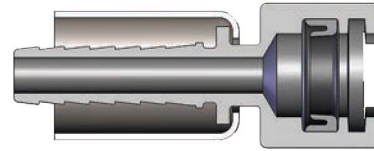
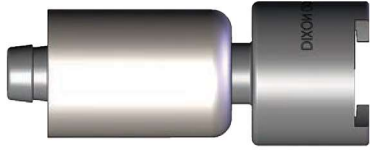
Body Size	Dix-Lock N-Series Coupler with Ferrule (Hose Barb)								
	Part Detail			Hose OD		Length		Maximum OD	
	Part #	Hose ID	Material	From	To	Inch	mm	Inch	mm
1/2"	N4S4-WF	1/2" barb	steel	54/64"	1-2/64"	4.95	125.70	1.40	35.60
	N4S6-WF	3/4" barb	steel	1-10/64"	1-22/64"	4.95	125.70	1.40	35.60
	N4S4-B-WF	1/2" barb	brass	54/64"	1-2/64"	4.95	125.70	1.40	35.60
	N4S6-B-WF	3/4" barb	brass	1-10/64"	1-22/64"	4.95	125.70	1.40	35.60
	N4S6-S-WF	3/4" barb	303 stainless	1-10/64"	1-22/64"	4.95	125.70	1.40	35.60



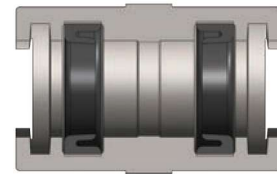
Body Size	Dix-Lock N-Series Plug with Locking Sleeve and Ferrule (Hose Barb)								
	Part Detail			Hose OD		Length		Maximum OD	
	Part #	Hose ID	Material	From	To	Inch	mm	Inch	mm
1/2"	N4S4-B-LS-WF	1/2" barb	brass	54/64"	1-2/64"	4.95	125.70	1.40	35.60
	N4S6-B-LS-WF	3/4" barb	brass	1-10/64"	1-22/64"	4.95	125.70	1.40	35.60
	N4S4-LS-WF	1/2" barb	steel	54/64"	1-2/64"	4.95	125.70	1.40	35.60
	N4S6-LS-WF	3/4" barb	steel	1-10/64"	1-22/64"	4.95	125.70	1.40	35.60



## Pneumatic Couplings: Dix-Lock® N-Series



Body Size	Dix-Lock N-Series Coupler with Ferrule (Hose Barb)								
	Part Detail			Hose OD		Length		Maximum OD	
	Part #	Hose ID	Material	From	To	Inch	mm	Inch	mm
1/2"	4NS4-WF	1/2" barb	steel	5/4/64"	1-2/64"	4.95	125.70	1.40	35.60
	4NS4-B-WF	1/2" barb	brass	5/4/64"	1-2/64"	4.95	125.70	1.40	35.60
	4NS6-WF	3/4" barb	steel	1-10/64"	1-22/64"	4.95	125.70	1.40	35.60
	4NS6-B-WF	3/4" barb	brass	1-10/64"	1-22/64"	4.95	125.70	1.40	35.60



Body Size	Dix-Lock N-Series Gender-Change Union							
	Part Detail			Length		Maximum OD		Hex Inch
	Part #	Configuration	Material	Inch	mm	Inch	mm	
1/2"	4N4N	coupler to coupler	steel	3.26	82.8	1.33	33.8	-



Body Size	Dix-Lock N-Series Protective Plug Cap							
	Part Detail			Length		Maximum OD		Hex Inch
	Part #	Cap Lanyard	Material	Inch	mm	Inch	mm	
1/2"	N4DC	steel cable	steel	1.50	38.1	1.33	33.8	-
	N4DC-B	steel cable	brass	1.50	38.1	1.33	33.8	-

Body Size	Dix-Lock N-Series Replacement Seals			
	Part Detail			Seal Kit Contents
	Part #	Coupler Style	Seal Material	
3/8"	3N-SKIT	all	Nitrile	Pneumatically Energized Seal
1/2"	4N-SKIT	all	Nitrile	
	F-4N-SKIT	all	FKM	