

Quick Release Couplings - N Series Interchange

- Dual-guide sleeve tabs will ensure smooth collar action during connection and disconnection
- Convenient 'Push-Twist and Click' connection provides a positive locking condition while connected
- Pneumatically energised seal provides an airtight seal at all working pressures
- Optional safety-lock ring protects against accidental disconnection while coupling is in operation
- Highly versatile selection of end connections and body materials, as well as an available valved coupler option



PERFORMANCE SPECIFICATIONS	OPERATING BAR (psi)	BURST BAR (psi)	FLOW ΔP=0.4 BAR (6.9 BAR INLET)	LOCKING MECHANISM
3/8"	21 (300)	207 (3,000)	84 CFM	Latch Tabs
1/2"	21 (300)	207 (3,000)	250 CFM	Latch Tabs
1 1/4"	21 (300)	103 (1,500)	700 CFM	Latch Tabs

INTERCHANGE STANDARDS	US MILITARY	US GOVERNMENT	INTERNATIONAL STANDARDS	ANSI/NFPA
1/2"	MIL-C-3486	A-A-50431A	-	-

'N' SERIES INTERCHANGE	BOWES	NATIONAL	MACDONALD	DIXON
3/8"	-	-	-	-
1/2"	51000 Series	Series 'B'	Quick-Action	Dixlock
1 1/4"	51000 Series	-	-	-



(Male Thread)

N-SERIES (MINI-BOWES) INTERCHANGE (COUPLER)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
3NM4	3/8"	1/2"-14 NPTF	steel
3NBM4	3/8"	R 1/2" BSPT	steel



(Male Thread)

N-SERIES (MINI-BOWES) INTERCHANGE (NIPPLE)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
N3M4	3/8"	1/2"-14 NPTF	steel
N3BM4	3/8"	R 1/2" BSPT	steel



(Collar Barb)

N-SERIES (MINI-BOWES) INTERCHANGE (COUPLER)

PART NO.	BODY SIZE	BARB CONFIGURATION	BODY MATERIAL
3NCS4	3/8"	1/2" Collar Barb	steel



(Collar Barb)

N-SERIES (MINI-BOWES) INTERCHANGE (NIPPLE)

PART NO.	BODY SIZE	BARB CONFIGURATION	BODY MATERIAL
N3CS4	3/8"	1/2" Collar Barb	steel



(Female Thread)

N-SERIES MACDONALD INTERCHANGE (UNVALVED COUPLER)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
4NF3	1/2"	3/8"-18 NPTF	steel
4NF3-B	1/2"	3/8"-18 NPTF	brass
4NBF3	1/2"	G3/8" BSPP	steel
4NF4	1/2"	1/2"-14 NPTF	steel
4NF4-B	1/2"	1/2"-14 NPTF	brass
4NBF4	1/2"	G1/2" BSPP	steel
4NBF4-B	1/2"	G1/2" BSPP	brass
4NF6	1/2"	3/4"-14 NPTF	steel
4NF6-B	1/2"	3/4"-14 NPTF	brass
4NF6-S	1/2"	3/4"-14 NPTF	303 SS
4NBF6	1/2"	G3/4" BSPP	steel
4NBF6-B	1/2"	G3/4" BSPP	brass
4NF8	1/2"	1"-11 1/2 NPTF	steel
4NF8-B	1/2"	1"-11 1/2 NPTF	brass
4NBF8	1/2"	G1" BSPP	steel
4NBF8-B	1/2"	G1" BSPP	brass



(Female Thread)

N-SERIES MACDONALD INTERCHANGE (VALVED COUPLER)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
4NF6-V	1/2"	3/4"-14 NPTF	steel
4NBF6-V	1/2"	G3/4" BSPP	steel



(Female Thread)

N-SERIES MACDONALD INTERCHANGE (NIPPLE)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
N4F3	1/2"	3/8"-18 NPTF	steel
N4F3-B	1/2"	3/8"-18 NPTF	brass
N4BF3	1/2"	G3/8" BSPP	steel
N4F4	1/2"	1/2"-14 NPTF	steel
N4F4-B	1/2"	1/2"-14 NPTF	brass
N4BF4	1/2"	G1/2" BSPP	steel
N4BF4-B	1/2"	G1/2" BSPP	brass
N4F6	1/2"	3/4"-14 NPTF	steel
N4F6-B	1/2"	3/4"-14 NPTF	brass
N4F6-S	1/2"	3/4"-14 NPTF	303 SS
N4BF6	1/2"	G3/4" BSPP	steel
N4BF6-B	1/2"	G3/4" BSPP	brass
N4F8	1/2"	1"-11 1/2 NPTF	steel
N4F8-B	1/2"	1"-11 1/2 NPTF	brass
N4BF8	1/2"	G1" BSPP	steel
N4BF8-B	1/2"	G1" BSPP	brass



(Female Thread)

N-SERIES MACDONALD INTERCHANGE (SAFETY-LOCK NIPPLE)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
N4F4-B-LS	1/2"	1/2"-14 NPTF	brass
N4F6-B-LS	1/2"	3/4"-14 NPTF	brass

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(Male Thread)

N-SERIES MACDONALD INTERCHANGE (UNVALVED COUPLER)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
4NM3	1/2"	3/8"-18 NPTF	steel
4NM3-B	1/2"	3/8"-18 NPTF	brass
4NBM3	1/2"	R3/8" BSPT	steel
4NM4	1/2"	1/2"-14 NPTF	steel
4NM4-B	1/2"	1/2"-14 NPTF	brass
4NBM4	1/2"	R1/2" BSPT	steel
4NBM4-B	1/2"	R1/2" BSPT	brass
4NM6	1/2"	3/4"-14 NPTF	steel
4NM6-B	1/2"	3/4"-14 NPTF	brass
4NM6-S	1/2"	3/4"-14 NPTF	303 SS
4NBM6	1/2"	R3/4" BSPT	steel
4NBM6-B	1/2"	R3/4" BSPT	brass
4NM8	1/2"	1"-11 1/2 NPTF	steel
4NM8-B	1/2"	1"-11 1/2 NPTF	brass
4NBM8	1/2"	R1" BSPT	steel
4NBM8-B	1/2"	R1" BSPT	brass



(Male Thread)

N-SERIES MACDONALD INTERCHANGE (VALVED COUPLER)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
4NM6-V	1/2"	3/4"-14 NPTF	steel



(Male Thread)

N-SERIES MACDONALD INTERCHANGE (NIPPLE)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
N4M3	1/2"	3/8"-18 NPTF	steel
N4M3-B	1/2"	3/8"-18 NPTF	brass
N4BM3	1/2"	R3/8" BSPT	steel
N4M4	1/2"	1/2"-14 NPTF	steel
N4M4-B	1/2"	1/2"-14 NPTF	brass
N4BM4	1/2"	R1/2" BSPT	steel
N4BM4-B	1/2"	R1/2" BSPT	brass
N4M6	1/2"	3/4"-14 NPTF	steel
N4M6-B	1/2"	3/4"-14 NPTF	brass
N4M6-S	1/2"	3/4"-14 NPTF	303 SS
N4BM6	1/2"	R3/4" BSPT	steel
N4BM6-B	1/2"	R3/4" BSPT	brass
N4M8	1/2"	1"-11 1/2 NPTF	steel
N4M8-B	1/2"	1"-11 1/2 NPTF	brass
N4BM8	1/2"	R1" BSPT	steel
N4BM8-B	1/2"	R1" BSPT	brass



(Male Thread)

N-SERIES MACDONALD INTERCHANGE (SAFETY-LOCK NIPPLE)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
N4M4-LS	1/2"	1/2"-14 NPTF	steel
N4M4-B-LS	1/2"	1/2"-14 NPTF	brass
N4BM4-LS	1/2"	R1/2" BSPT	steel
N4M6-LS	1/2"	3/4"-14 NPTF	steel
N4M6-B-LS	1/2"	3/4"-14 NPTF	brass
N4M6-S-LS	1/2"	3/4"-14 NPTF	303 SS
N4BM6-LS	1/2"	R3/4" BSPT	steel



(Hose Barb - now accepts light duty ferrules)

N-SERIES MACDONALD INTERCHANGE (COUPLER)			
PART NO.	BODY SIZE	BARB CONFIGURATION	BODY MATERIAL
4NS3	1/2"	3/8" Hose Barb	steel
4NS3-B	1/2"	3/8" Hose Barb	brass
4NS4	1/2"	1/2" Hose Barb	steel
4NS4-B	1/2"	1/2" Hose Barb	brass
4NS6	1/2"	3/4" Hose Barb	steel
4NS6-B	1/2"	3/4" Hose Barb	brass
4NS6-S	1/2"	3/4" Hose Barb	303 SS
4NS8	1/2"	1" Hose Barb	steel
4NS8-B	1/2"	1" Hose Barb	brass



(Hose Barb with Staked Ferrule)

N-SERIES MACDONALD INTERCHANGE (COUPLER)			
PART NO.	BODY SIZE	HOSE (ID) OD RANGE	BODY MATERIAL
4NCS4-WF43	1/2"	(1/2") 27/32" to 1 1/32"	steel
4NCS4-B-WF43	1/2"	(1/2") 27/32" to 1 1/32"	brass
4NCS6-WF63	1/2"	(3/4") 1 5/32" to 1 1/32"	steel
4NCS6-B-WF63	1/2"	(3/4") 1 5/32" to 1 1/32"	brass
4NCS6-S-WFS63	1/2"	(3/4") 1 5/32" to 1 1/32"	303 SS



(Hose Barb - now accepts light duty ferrules)

N-SERIES MACDONALD INTERCHANGE (NIPPLE)			
PART NO.	BODY SIZE	BARB CONFIGURATION	BODY MATERIAL
N4S3	1/2"	3/8" Hose Barb	steel
N4S3-B	1/2"	3/8" Hose Barb	brass
N4S4	1/2"	1/2" Hose Barb	steel
N4S4-B	1/2"	1/2" Hose Barb	brass
N4S6	1/2"	3/4" Hose Barb	steel
N4S6-B	1/2"	3/4" Hose Barb	brass
N4S6-S	1/2"	3/4" Hose Barb	303 SS
N4S8	1/2"	1" Hose Barb	steel
N4S8-B	1/2"	1" Hose Barb	brass



(Hose Barb with Staked Ferrule)

N-SERIES MACDONALD INTERCHANGE (NIPPLE)			
PART NO.	BODY SIZE	HOSE (ID) OD RANGE	BODY MATERIAL
N4CS4-WF43	1/2"	(1/2") 27/32" to 1 1/32"	steel
N4CS4-B-WF43	1/2"	(1/2") 27/32" to 1 1/32"	brass
N4CS6-WF63	1/2"	(3/4") 1 5/32" to 1 1/32"	steel
N4CS6-B-WF63	1/2"	(3/4") 1 5/32" to 1 1/32"	brass
N4CS6-S-WFS63	1/2"	(3/4") 1 5/32" to 1 1/32"	303 SS



(Hose Barb - now accepts light duty ferrules)

N-SERIES MACDONALD INTERCHANGE (SAFETY-LOCK NIPPLE)			
PART NO.	BODY SIZE	BARB CONFIGURATION	BODY MATERIAL
N4S4-LS	1/2"	1/2" Hose Barb	steel
N4S4-B-LS	1/2"	1/2" Hose Barb	brass
N4S6-LS	1/2"	3/4" Hose Barb	steel
N4S6-B-LS	1/2"	3/4" Hose Barb	brass
N4S6-S-LS	1/2"	3/4" Hose Barb	303 SS

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(Hose Barb with Staked Ferrule)

N-SERIES MACDONALD INTERCHANGE (SAFETY-LOCK NIPPLE)

PART NO.	BODY SIZE	HOSE (ID) OD RANGE	BODY MATERIAL
N4CS4-LS-WF43	1/2"	(1/2") 27/32" to 11/32"	steel
N4CS4-B-LS-WF43	1/2"	(1/2") 27/32" to 11/32"	brass
N4CS6-LS-WF63	1/2"	(3/4") 15/32" to 11/32"	steel
N4CS6-B-LS-WF63	1/2"	(3/4") 15/32" to 11/32"	brass
N4CS6-S-LS-WF63	1/2"	(3/4") 15/32" to 11/32"	303 SS



(Female Thread)

N-SERIES (MEGA-BOWES) INTERCHANGE (COUPLER)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
10NF8-B	1 1/4"	1"-11 1/2 NPTF	brass
10NF10-B	1 1/4"	1 1/4"-11 1/2 NPTF	brass



(Female Thread)

N-SERIES (MEGA-BOWES) INTERCHANGE (NIPPLE)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
N10F8-B	1 1/4"	1"-11 1/2 NPTF	brass
N10F10-B	1 1/4"	1 1/4"-11 1/2 NPTF	brass



(Male Thread)

N-SERIES (MEGA-BOWES) INTERCHANGE (COUPLER)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
10NM8-B	1 1/4"	1"-11 1/2 NPTF	brass
10NM10-B	1 1/4"	1 1/4"-11 1/2 NPTF	brass



(Male Thread)

N-SERIES (MEGA-BOWES) INTERCHANGE (NIPPLE)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
N10M8-B	1 1/4"	1"-11 1/2 NPTF	brass
N10M10-B	1 1/4"	1 1/4"-11 1/2 NPTF	brass

A Safety Check Valve, also known as an Excessive Flow Sensor should be installed at the source of supply to protect the operator in case of coupling failure or hose rupture.





N-SERIES MACDONALD INTERCHANGE (GENDER-CHANGE UNION)

PART NO.	BODY SIZE	PART DESCRIPTION	BODY MATERIAL
4N4N	1/2"	Coupler to Coupler	steel



N-SERIES MACDONALD INTERCHANGE (Y-COUPLERS)

PART NO.	BODY SIZE	INLET/OUTLET CONFIGURATION	BODY MATERIAL
N4Y4N-4N	1/2"	Nipple to Couplers	steel



N-SERIES MACDONALD INTERCHANGE (Y-NIPPLES)

PART NO.	BODY SIZE	INLET/OUTLET CONFIGURATION	BODY MATERIAL
4NYN4-N4	1/2"	Nipple to Couplers	steel



N-SERIES MACDONALD INTERCHANGE (PROTECTIVE NIPPLE CAP)

PART NO.	BODY SIZE	PART DESCRIPTION	BODY MATERIAL
N4DC	1/2"	Nipple Dust Cap	steel
N4DC-B	1/2"	Nipple Dust Cap	brass



N-SERIES MACDONALD INTERCHANGE (REPLACEMENT PARTS)

PART NO.	BODY SIZE	PART DESCRIPTION	PART MATERIAL
3N-SKIT	3/8"	Sealing Gasket	Nitrile
4N-SKIT	1/2"	Sealing Gasket	Nitrile
10N-SKIT	1 1/4"	Sealing Gasket	Nitrile

Quick Release Coupling - P-Series Thor Interchange

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- Interlocking finger connection method with single or dual locking sleeves for maximum security
- Convenient 'Push-Twist and Click' connection provides a positive locking condition while connecte
- Corrosion resistant steel construction and a variety of other materials available to provide additional corrosion resistance
- Optional safety-lock clip protects against accidental disconnection while coupling is in operation
- Highly versatile selection of end connections includes Female NPTF, Male NPTF, and Hose barb



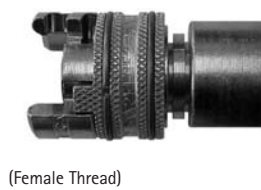
PERFORMANCE SPECIFICATIONS	OPERATING BAR (psi)	BURST BAR (psi)	FLOW $\Delta P=0.4$ BAR (6.9 BAR INLET)	LOCKING MECHANISM
1/2"	21 (300)	331 (4,800)	250 CFM	Latch Fingers

'P' SERIES INTERCHANGE	THOR	NATIONAL	DIXON	-
1/2"	PHC	Series 'A'	Dual-Lock	-



(Female Thread)

P-SERIES THOR INTERCHANGE (COUPLER)			
PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
4PF4	1/2"	1/2"-14 NPTF	steel
4PF6	1/2"	3/4"-14 NPTF	steel
4PF6-B	1/2"	3/4"-14 NPTF	brass
4PF6-S	1/2"	3/4"-14 NPTF	303 SS



(Female Thread)

P-SERIES THOR INTERCHANGE (FLANGED-SLEEVE COUPLER)			
PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
4PF4-FS	1/2"	1/2"-14 NPTF	steel
4PF6-FS	1/2"	3/4"-14 NPTF	steel



(Female Thread)

P-SERIES THOR INTERCHANGE (NIPPLE)			
PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
P4F3	1/2"	3/8"-18 NPTF	steel
P4F4	1/2"	1/2"-14 NPTF	steel
P4F4-B	1/2"	1/2"-14 NPTF	brass
P4F6	1/2"	3/4"-14 NPTF	steel
P4F6-B	1/2"	3/4"-14 NPTF	brass
P4F6-S	1/2"	3/4"-14 NPTF	303 SS
P4F8	1/2"	1"-11 1/2 NPTF	steel
P4F8-B	1/2"	1"-11 1/2 NPTF	brass



(Male Thread)

P-SERIES THOR INTERCHANGE (COUPLER)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
4PM3	1/2"	3/8"-18 NPTF	steel
4PM4	1/2"	1/2"-14 NPTF	steel
4PM6	1/2"	3/4"-14 NPTF	steel
4PM6-S	1/2"	3/4"-14 NPTF	303 SS



(Male Thread)

P-SERIES THOR INTERCHANGE (FLANGED-SLEEVE COUPLER)

PART NO.	BODY SIZE	THREAD SIZE	PART MATERIAL
4PM3-FS	1/2"	3/8"-18 NPTF	steel
4PM4-FS	1/2"	1/2"-14 NPTF	steel
4PM6-FS	1/2"	3/4"-14 NPTF	steel



(Male Thread)

P-SERIES THOR INTERCHANGE (NIPPLE)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
P4M3	1/2"	3/8"-18 NPTF	steel
P4M4	1/2"	1/2"-14 NPTF	steel
P4M4-B	1/2"	1/2"-14 NPTF	brass
P4M6	1/2"	3/4"-14 NPTF	steel
P4M6-B	1/2"	3/4"-14 NPTF	brass
P4M6-S	1/2"	3/4"-14 NPTF	303 SS
P4M8	1/2"	1"-11 1/2 NPTF	steel
P4M8-B	1/2"	1"-11 1/2 NPTF	brass



(Hose Barb - now accepts light duty ferrules)

P-SERIES THOR INTERCHANGE (COUPLER)

PART NO.	BODY SIZE	BARB CONFIGURATION	BODY MATERIAL
4PS3	1/2"	3/8" Hose Barb	steel
4PS4	1/2"	1/2" Hose Barb	steel
4PS4-B	1/2"	1/2" Hose Barb	brass
4PS6	1/2"	3/4" Hose Barb	steel
4PS6-B	1/2"	3/4" Hose Barb	brass
4PS6-S	1/2"	3/4" Hose Barb	303 SS
4PS8	1/2"	1" Hose Barb	steel
4PS8-B	1/2"	1" Hose Barb	brass

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(Hose Barb - now accepts light duty ferrules)

P-SERIES THOR INTERCHANGE (FLANGED-SLEEVE COUPLER)

PART NO.	BODY SIZE	BARB CONFIGURATION	BODY MATERIAL
4PS3-FS	1/2"	3/8" Hose Barb	steel
4PS4-FS	1/2"	1/2" Hose Barb	steel
4PS6-FS	1/2"	3/4" Hose Barb	steel
4PS8-FS	1/2"	1" Hose Barb	steel



(Hose Barb with Staked Ferrule)

P-SERIES THOR INTERCHANGE (COUPLER)

PART NO.	BODY SIZE	HOSE (ID) OD RANGE	BODY MATERIAL
4PCS4-WF43	1/2"	(1/2") 27/32" to 1 1/32"	steel
4PCS4-B-WF43	1/2"	(1/2") 27/32" to 1 1/32"	brass
4PCS6-WF63	1/2"	(3/4") 1 5/32" to 1 1/32"	steel
4PCS6-B-WF63	1/2"	(3/4") 1 5/32" to 1 1/32"	brass



(Hose Barb with Staked Ferrule)

P-SERIES THOR INTERCHANGE (FLANGED-SLEEVE COUPLER)

PART NO.	BODY SIZE	HOSE (ID) OD RANGE	BODY MATERIAL
4PCS4-FS-WF43	1/2"	(1/2") 27/32" to 1 1/32"	steel
4PCS6-FS-WF63	1/2"	(3/4") 1 5/32" to 1 1/32"	steel



P-SERIES THOR INTERCHANGE (REPLACEMENT PARTS)

PART NO.	BODY SIZE	PART DESCRIPTION	PART MATERIAL
4P-SKIT	1/2"	Seal Gasket	Nitrile
4P-CLIP	1/2"	Sleeve-Lock Clip	steel
4P-CLIPS	1/2"	Spring Clip	steel