

Flomax Connectors

Fast Transfer

Fueling and Fluid Management Systems
for Mining and Construction Equipment



The Right Connection™

Part Number Cross-reference

Standard Series Connectors

Dixon Part #	Caterpillar® part #	Wiggins part #
Engine Oil Nozzles		
ENBL	9S9273	OS2
ENBL-P	---	OSP2
ENBL-PLUG	9S9274	OP-12
Engine Oil Receivers		
ERS	9S9271	ON2
ERS-C	---	ONC2A
ERS-CAP	9S9272	O3B12P
Coolant Fluid Nozzles		
CN	108-5455	EC280B8
CN-P	---	---
CN-PLUG	108-5456	1209-8
Coolant Fluid Receivers		
CR-S	IQ5459	EC285A8
CR-C	---	---
CR-CAP	5P3587	1208-8
Hydraulic Oil Nozzles		
HN	108-5433	6000B12
HN-P	---	---
HN-PLUG	---	6009-12
Hydraulic Oil Receivers		
HR	108-5454	6005A12
HR-C	---	---
HR-CAP	IQ-5468	6008-12
Transmission Fluid Nozzles		
TN	126-7538	C-1807
TN-P	---	---
TN-PLUG	---	P-1844
Transmission Fluid Receivers		
TR	108-5456	P-1804
TR-C	---	---
TR-CAP	SP3587	P-1880

R Series Connectors

Dixon Part #	Caterpillar® part #	Wiggins part #
Engine Oil Nozzles		
R-EN	---	R15
R-EN-P	---	---
R-EN-PLUG	---	---
Engine Oil Receivers		
R-ER	---	R16
R-ER-C	---	---
R-ER-CAP	---	---
Coolant Fluid Nozzles		
R-CN	---	R11
R-CN-P	---	---
R-CN-PLUG	---	---
Coolant Fluid Receivers		
R-CR	---	R12
R-CR-C	---	---
R-CR-CAP	---	---
Hydraulic Oil Nozzles		
R-HN	---	R17
R-HN-P	---	---
R-HN-PLUG	---	---
Hydraulic Oil Receivers		
R-HR	---	R18
R-HR-C	---	---
R-HR-CAP	---	---
Transmission Fluid Nozzles		
R-TN	---	R13
R-TN-P	---	---
R-TN-PLUG	---	---
Transmission Fluid Receivers		
R-TR	---	R14
R-TR-C	---	---
R-TR-CAP	---	---

Fuel Vent Series

Dixon Part #	Caterpillar® part #	Wiggins part #
VT	6G7803	ZV10
VT7	---	---
VT9	---	---

Diesel Fueling System

Dixon Part #	Caterpillar® part #	Wiggins part #
Nozzles		
FN600	---	ZZ99A1
FN600B-PLUG	---	---
Receivers		
FRS	269000	ZN2A
FRS-C	---	ZNC2A
FRA	269000	ZN2A
FRA-C	---	ZNC2A
FR-CAP	9D0630	ZC20P
FR2	---	---
FR2-C	---	---
FR2-R	---	---
GFR-0	---	ZN6A
GFR-90	---	ZN6B
GFR1-0	---	ZN6B
GFR1-90	---	ZN6B
FNS	---	ZS9
FN600S	---	---

Diesel Fueling System

Designed for on-site refueling of construction, mining, forestry and agricultural equipment. Interchanges with Caterpillar® and Wiggins systems.

Diesel Fuel Nozzle

- 1½" Female NPT
- Integrated high flow swivel
- Investment cast aluminum housing
- Heat treated stainless steel wear components
- Integrated sealing plug
- Anodized aluminum non-wear parts
- Delron bushings eliminate metal-to-metal wear
- Stainless steel dog latch mechanism
- Plug/bumper assembly gives complete nose seal
- Tested to 180 gallons per minute

Description	Part #
Fuel nozzle with swivel and plug	FN600
Fuel nozzle sealing plug	FN600B-PLUG



Diesel Fuel Receiver

- 1½" Male NPT
- Available in anodized aluminum or nickel-plated steel
- O-ring sealed aluminum cap
- Plug has set screw attached vinyl coated cable lanyard
- FR2 receiver allows replacement of wear components without draining the fuel tank.
- FR2 receiver has an aluminum base with nickel-plated steel nose

Description	Part #
Fuel receiver - <i>steel</i>	FRS
Fuel receiver - <i>steel</i> with cap	FRS-C
Fuel receiver - <i>aluminum</i>	FRA
Fuel receiver - <i>aluminum</i> with cap	FRA-C
Fuel receiver cap	FR-CAP
Fuel receiver -2 piece	FR2
Fuel receiver -2 piece with cap	FR2-C
Fuel receiver -2 piece replacement	FR2-R
Gravity fill fuel receiver, straight	GFR-0
Gravity fill fuel receiver, 90°	GFR-90
Gravity fill fuel receiver 1", straight	GFR1-0
Gravity fill fuel receiver 1", 90°	GFR1-90
Standard fuel swivel 1½"	FNS
FN600 fuel swivel 1½"	FN600S



Fuel Vent Series

- 2" Male NPT
- Billet cap provides superior impact resistance
- Easily serviced all metal construction
- Rigid ball cage for positive seal
- Available with:
 - Threaded outlet
 - Half coupling
 - Anti-vandalism mounting

Description	Part #
Fuel vent with 5" tube	VT
Fuel vent with 7" tube	VT7
Fuel vent with 9" tube	VT9





Standard Series Connectors

The Flomax standard series connectors consists of four color-coded mating connectors. They have all-metal construction with stainless steel wear components and anodized aircraft grade aluminum non-wear components. Each has easily recognizable labeling and are fully compatible and interchangeable with industry standard.

Engine Oil (red)


- Universally fits all crankcase receivers, both R-Series and Standard Series
- Incorporates 10 locking balls with a 40% deeper engagement
- Resistant to clogging with a greater ease of cleaning
- Larger diameter pullback lanyard
- Bright red anodized aluminum
- Smoother actuation


Nozzles	Male thread	Female thread	Description	Part #
	3/4" NPT	---	Engine nozzle ball lock	ENBL
	3/4" NPT	---	Engine nozzle ball lock with plug	ENBL-P
	---	---	Engine nozzle plug	ENBL-PLUG

Receivers	Male thread	Female thread	Description	Part #
	3/4" NPT	---	Engine receiver	ERS
	3/4" NPT	---	Engine receiver with cap	ERS-C
	---	---	Engine receiver cap	ERS-CAP

Coolant Fluid (teal)

- Nickel-plated stainless steel nozzle nose and base
- Standard roll-pin locking mechanism
- Ergonomically engineered pullbacks and caps
- Bright teal anodized aluminum


Nozzles	Male thread	Female thread	Description	Part #
	1/2" NPT	---	Coolant nozzle ball lock	CN
	1/2" NPT	---	Coolant nozzle ball lock with plug	CN-P
	---	---	Coolant nozzle plug	CN-PLUG


Receivers	Male thread	Female thread	Description	Part #
	1/2" NPT	---	Coolant receiver	CR-S
	1/2" NPT	---	Coolant receiver with cap	CR-C
	---	---	Coolant receiver cap	CR-CAP

Standard Series Connectors

Hydraulic Oil (gold)


- Nickel-plated stainless steel wear components
- Ergonomically engineered pullbacks and caps
- 10 steel dog latching mechanism
- Bright gold anodized aircraft grade aluminum


Male thread	Female thread	Description	Part #	Nozzles
---	3/4" NPT	Hydraulic nozzle	HN	
---	3/4" NPT	Hydraulic nozzle with plug	HN-P	
---	---	Hydraulic nozzle plug	HN-PLUG	

Male thread	Female thread	Description	Part #	Receivers
3/4" NPT	---	Hydraulic receiver	HR	
3/4" NPT	---	Hydraulic receiver with cap	HR-C	
---	---	Hydraulic receiver cap	HR-CAP	

Transmission Fluid (violet)

- Nickel-plated stainless steel nose and base
- Ergonomically engineered pullbacks and caps
- 6 steel dog latching mechanism
- Bright violet anodized aircraft grade aluminum

Male thread	Female thread	Description	Part #	Nozzles
---	1/2" NPT	Transmission nozzle	TN	
---	1/2" NPT	Transmission nozzle with plug	TN-P	
---	---	Transmission nozzle plug	TN-PLUG	


Male thread	Female thread	Description	Part #	Receivers
1/2" NPT	---	Transmission receiver	TR	
1/2" NPT	---	Transmission receiver with cap	TR-C	
---	---	Transmission receiver cap	TR-CAP	


R Series Connectors

The Flomax R-series connectors consists are fully compatible and interchangeable with industry standard. They have all-metal construction using anodized aircraft grade aluminum non-wear components.

Engine Oil (red)


- All metal construction
- Standard roll-pin locking mechanism
- Ergonomically engineered pullbacks and caps
- Bright red anodized aircraft grade aluminum


Nozzles	Male thread	Female thread	Description	Part #
	---	3/4" NPT	R-series engine nozzle	R-EN
	---	3/4" NPT	R-series engine nozzle with plug	R-EN-P
	---	---	R-series engine nozzle plug	R-EN-PLUG

Receivers	Male thread	Female thread	Description	Part #
	1.625-12 UN-2A	1.312-12 UN-2B	R-series engine receiver	R-ER
	1.625-12 UN-2A	1.312-12 UN-2B	R-series engine receiver with cap	R-ER-C
	---	---	R-series engine receiver cap	R-ER-CAP

Coolant (teal)

- All metal construction
- Standard roll-pin locking mechanism
- Ergonomically engineered pullbacks and caps
- Bright teal anodized aircraft grade aluminum


Nozzles	Male thread	Female thread	Description	Part #
	---	1/2" NPT	R-series coolant nozzle	R-CN
	---	1/2" NPT	R-series coolant nozzle with plug	R-CN-P
	---	---	R-series coolant nozzle plug	R-CN-PLUG


Receivers	Male thread	Female thread	Description	Part #
	1.187-12 UN-2A	.875-14 UN-2B	R-series coolant receiver	R-CR
	1.187-12 UN-2A	.875-14 UN-2B	R-series coolant receiver with cap	R-CR-C
	---	---	R-series coolant receiver cap	R-CR-CAP

R Series Connectors

Hydraulic Oil (gold)


- All metal construction
- Standard roll-pin locking mechanism
- Ergonomically engineered pullbacks and caps
- Bright gold anodized aircraft grade aluminum


Male thread	Female thread	Description	Part #	Nozzles
---	1" NPT	R-series hydraulic nozzle	R-HN	
---	1" NPT	R-series hydraulic nozzle with plug	R-HN-P	
---	---	R-series hydraulic nozzle plug	R-HN-PLUG	

Male thread	Female thread	Description	Part #	Receivers
1.875-12 UN-2A	1.625-12 UN-2B	R-series hydraulic receiver	R-HR	
1.875-12 UN-2A	1.625-12 UN-2B	R-series hydraulic receiver with cap	R-HR-C	
---	---	R-series hydraulic receiver cap	R-HR-CAP	

Transmission Fluid (violet)

- All metal construction
- Standard roll-pin locking mechanism
- Ergonomically engineered pullbacks and caps
- Bright violet anodized aircraft grade aluminum

Male thread	Female thread	Description	Part #	Nozzles
---	¾" NPT	R-series transmission nozzle	R-TN	
---	¾" NPT	R-series transmission nozzle with plug	R-TN-P	
---	---	R-series transmission nozzle plug	R-TN-PLUG	

Male thread	Female thread	Description	Part #	Receivers
1.312-12 UN-2A	1.062-12 UN-2B	R-series transmission receiver	R-TR	
1.312-12 UN-2A	1.062-12 UN-2B	R-series transmission receiver with cap	R-TR-C	
---	---	R-series transmission receiver cap	R-TR-CAP	

General Safety

- Use Dixon couplings, retention devices and accessory products **only** for their intended service.
- All recommendations of the Hose Manufacturer, and the Coupling Manufacturer, must be employed with regards to **Size**, **Temperature**, **Application**, **Media**, and **Pressure** when selecting the components for a hose assembly.
- All finished hose assemblies should be tested in accordance with the **Rubber Manufacturers Association** recommendations.
- All hose assemblies should be thoroughly inspected prior to each use to insure they are undamaged, and properly coupled.
- Use safety clips on couplings, and King Safety Cables on assemblies where required by the manufacturer, as well as State and Federal regulations.
- Call Dixon (1-800-355-1991) for advice on couplings, retention devices, and accessories for your application.

Through its divisions and affiliated companies, Dixon is recognized as the premier manufacturer and supplier of hose fittings and accessories spanning a wide range of industrial uses. Dixon's reach includes products for fire protection, food, dairy processing, beverage and brewery, mobile tankers, mining, construction, chemical processing, petroleum, oilfields, refining, nuclear and manufacturing.



The Right Connection™

Dixon Valve & Coupling Company

800 High Street
Chestertown, MD 21620
Customer Service: 877.963.4966
Fax: 800.283.4966

www.dixonvalve.com