

Customer Service
877.963.4966

FloMAX Part Number Cross Reference

Standard Series Connectors

| Dixon® Part # | Caterpillar® Part # | Wiggins Part # | FastFill |
|------------------------------|---------------------|----------------|----------|
| Engine Oil Nozzles | --- | --- | --- |
| ENBL | 9S9273 | OS2 | N100 |
| ENBL-P | --- | OSP2 | N100P |
| ENBL-PLUG | 9S9274 | OP-12 | P100 |
| ERJ | --- | ON6 | --- |
| Engine Oil Receivers | --- | --- | --- |
| ERS | 9S9271 | ON2 | R100 |
| ERS-C | --- | ONC2A | R100C |
| ERS-CAP | 9S9272 | O3B12P | C100 |
| Coolant Fluid Nozzles | --- | --- | --- |
| CN | 108-5455 | EC280B8 | N200 |
| CN-P | --- | --- | N200P |
| CN-PLUG | 108-5456 | 1209-8 | P200 |
| Coolant Fluid Receivers | --- | --- | --- |
| CR-S | IQ5459 | EC285A8 | --- |
| CR-C | --- | --- | R200C |
| CR-CAP | 5P3587 | 1208-8 | C200 |
| Hydraulic Oil Nozzles | --- | --- | --- |
| HN | 108-5433 | 6000B12 | N300 |
| HN-P | --- | --- | N300P |
| HN-PLUG | --- | 6009-12 | P300 |
| Hydraulic Oil Receivers | --- | --- | --- |
| HR | 108-5454 | 6005A12 | R300 |
| HR-C | --- | --- | R300C |
| HR-CAP | IQ-5468 | 6008-12 | C300 |
| Transmission Fluid Nozzles | --- | --- | --- |
| TN | 126-7538 | C-1807 | N400 |
| TN-P | --- | --- | N400P |
| TN-PLUG | --- | P-1844 | P400 |
| Transmission Fluid Receivers | --- | --- | --- |
| TR | 108-5456 | P-1804 | R400 |
| TR-C | --- | --- | R400C |
| TR-CAP | SP3587 | P-1880 | C400 |

Fuel Vent Series

| Dixon Part # | Caterpillar® Part # | Wiggins Part # | FastFill |
|--------------|---------------------|----------------|----------|
| VT | 6G7803 | ZV10 | V150 |
| VT7 | --- | ZV10F | V150L7 |
| VT9 | --- | ZV10 | --- |
| VTT | 5V6106 | ZV10C | V150C |
| VT-C | --- | ZV10A | V150A |
| VT-A-7 | 9G01965 | ZV11 | V150D |
| VT-A-9 | 4T1314 | ZV11A | --- |

R-Series Connectors

| Dixon Part # | Caterpillar® Part # | Wiggins Part # | FastFill |
|------------------------------|---------------------|----------------|----------|
| Engine Oil Nozzles | --- | --- | --- |
| R-EN | --- | R15 | N100R |
| R-EN-P | --- | --- | N100RP |
| R-EN-PLUG | --- | R1507 | P100R |
| Engine Oil Receivers | --- | --- | --- |
| R-ER | --- | R16 | R100R |
| R-ER-C | --- | --- | R100RC |
| R-ER-CAP | --- | R1605 | C100R |
| Coolant Fluid Nozzles | --- | --- | --- |
| R-CN | --- | R11 | N200R |
| R-CN-P | --- | --- | N200RP |
| R-CN-PLUG | --- | R1107 | P200R |
| Coolant Fluid Receivers | --- | --- | --- |
| R-CR | --- | R12 | R200R |
| R-CR-C | --- | --- | R200RC |
| R-CR-CAP | --- | R1205 | C200R |
| Hydraulic Oil Nozzles | --- | --- | --- |
| R-HN | --- | R17 | N300R |
| R-HN-P | --- | --- | N300RP |
| R-HN-PLUG | --- | R1707 | P300R |
| Hydraulic Oil Receivers | --- | --- | --- |
| R-HR | --- | R18 | R300R |
| R-HR-C | --- | --- | R300RC |
| R-HR-CAP | --- | R1805 | C300R |
| Transmission Fluid Nozzles | --- | --- | --- |
| R-TN | --- | R13 | N400R |
| R-TN-P | --- | --- | N400RP |
| R-TN-PLUG | --- | R1307 | P400R |
| Transmission Fluid Receivers | --- | --- | --- |
| R-TR | --- | R14 | R400R |
| R-TR-C | --- | --- | R400CR |
| R-TR-CAP | --- | R1405 | C400R |

Diesel Fueling System

| Dixon Part # | Caterpillar® Part # | Wiggins Part # | FastFill | Shaw |
|--------------|---------------------|----------------|----------|----------|
| Nozzles | --- | --- | --- | --- |
| FN600 | --- | ZZF150 | N150CP | --- |
| FN600BL | --- | ZZ9A1 | N150SL | --- |
| FN600B-PLUG | --- | --- | --- | --- |
| Receivers | --- | --- | --- | --- |
| FRS | 2G9000 | ZN2A | R150S | --- |
| FRS-C | --- | ZNC2A | R150SC | --- |
| FRA | --- | ZN2A | R150AL | --- |
| FRA-C | --- | ZNC2A | R150ALC | --- |
| FR-CAP | 0D0630 | ZC20P | C150 | 388-4327 |
| FR2 | 9D0630 | --- | --- | --- |
| FR2-C | --- | --- | --- | --- |
| FR2-R | --- | --- | --- | --- |
| GFR-0 | --- | ZN6A | A150A | --- |
| GFR-45 | --- | --- | --- | --- |
| GFR-90 | --- | ZN6B | A150B | --- |
| GFR1-0 | --- | ZN6B | --- | --- |
| GFR1-45 | --- | --- | --- | --- |
| GFR1-90 | --- | ZN6B | --- | --- |
| FNS | --- | ZS9 | S150 | --- |
| FNS2 | --- | --- | --- | --- |
| FN600S | --- | --- | --- | --- |
| BFN | --- | ZS5 | 28-N150B | --- |
| BH-F | --- | --- | FFF5C | --- |
| FNS10 | --- | --- | --- | --- |
| FR-SOCKET | --- | --- | R150SW | --- |
| BH-W | --- | --- | FFF4C | --- |

FloMAX Diesel Fueling System

Application

- Designed for on-site refueling of construction, mining, forestry, and agricultural equipment

Diesel Fuel Nozzles

Features

- 1-1/2" female NPT
- Integrated high-flow swivel and sealing plug
- Plug/bumper assembly gives complete nose seal
- Investment cast aluminum housing
- Anodized aluminum non-wear parts
- Stainless steel wear components
- Delron® bushings eliminate metal-to-metal wear
- Interchanges with Caterpillar® and Wiggins systems

Specifications

- Ball lock can flow over **180 GPM** with a 1-1/2" hose and over **211 GPM** with a 2" feed hose and a high-pressure nozzle shut off
- Dog lock can flow up to **180 GPM** with a 1-1/2" hose and over **211 GPM** with a 2" feed hose and a high-pressure nozzle shut off
- Working pressure: **125 PSI**
- Standard shutoff set at **8.0 PSI**



| Description | Part # |
|---------------------------------------|-------------|
| dog latch mechanism with sealing plug | FN600 |
| ball lock with sealing plug | FN600BL |
| sealing plug for FN600 | FN600B-PLUG |
| sealing plug for FN600BL | FN600B |

One-Piece Diesel Fuel Receivers

Features

- 2" male NPT
- O-ring sealed aluminum cap
- Cap has set screw attached vinyl coated cable lanyard

| Description | Material | Part # |
|--------------------------------|---------------------|--------|
| one-piece receiver without cap | nickel-plated steel | FRS |
| one-piece receiver with cap | nickel-plated steel | FRS-C |
| one-piece receiver without cap | anodized aluminum | FRA |
| one-piece receiver with cap | anodized aluminum | FRA-C |
| cap for receiver | anodized aluminum | FR-CAP |



Two-Piece Diesel Fuel Receivers

Features

- 2" male NPT
- O-ring sealed aluminum cap
- Cap has set screw attached vinyl coated cable lanyard

| Description | Part # |
|---|---------|
| two-piece receiver with removable stainless sleeve, without cap | FR-RS |
| two-piece receiver with removable stainless sleeve with cap | FR-RS-C |
| removable sleeve replacement for two-piece receiver | FR-RS-R |
| cap for receiver | FR-CAP |



FloMAX Diesel Fueling System

Non-Interchange Diesel Fuel Nozzle

Application

- Used in biodiesel fueling

Features

- 1-1/2" female NPT
- Design prevents fuel contamination
- Connects to the non-interchange receiver only
- Ball lock design

Specifications

- Working pressure: **125 PSI**
- 180 GPM**
- Standard shutoff set at **8.0 PSI**



| Description | Part # |
|-----------------------|------------|
| ball lock fuel nozzle | FN600BL-NI |

Non-Interchange Diesel Fuel Receiver

Application

- Used in biodiesel fueling

Features

- Design prevents fuel contamination
- Connects to the non-interchange nozzle only
- Ball lock design



| Description | Anodized Aluminum Part # |
|-----------------------------|--------------------------|
| one-piece receiver with cap | FRA-NI-C |

2" High-Volume Diesel Fueling System

Features

- Capable of flowing over **400 GPM**
- 2" female NPT
- Stainless steel ball lock design
- Removable pull back assembly

Materials

- Housing: aluminum
- Non-wear parts: anodized aluminum
- Internal wear components: stainless steel
- Bushings: Delron®

Specifications

- Working pressure: **125 PSI**
- Standard shutoff set at **8.0 PSI**



Diesel Fuel Nozzles

| Description | Part # |
|---|-----------------------|
| 2" fuel nozzle | FX1500 ¹ |
| 2" fuel nozzle – with plug | FX1500P ¹ |
| 2" fuel nozzle – with swivel | FX1500S ¹ |
| 2" fuel nozzle – with swivel, with plug | FX1500SP ¹ |
| 2" sealing plug for nozzle | FX1500PLUG |

¹ Must be used with high-flow fuel vents found on page 112

Diesel Fuel Receivers

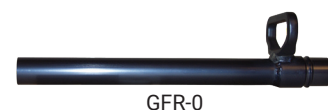
| Description | Part # |
|---------------------------|--------|
| 2" diesel fuel receiver | FRX |
| 2" fuel receiver with cap | FRX-C |
| 2" cap for receiver | FRXCAP |

FloMAX Diesel Fuel Gravity Fill Receivers

Features

- Used with the FN600 or FN600BL to convert to gravity fueling
- Allows transfer of fluid without using a standard fuel receiver
- Fits standard 1-1/2" fuel receivers

| Size | Description | Part # |
|--------|-------------|---------|
| 1-1/2" | straight | GFR-0 |
| | 45° | GFR-45 |
| | 90° | GFR-90 |
| 1" | straight | GFR1-0 |
| | 45° | GFR1-45 |
| | 90° | GFR1-90 |



GFR-0



GFR-90

FloMAX Fuel Vents

Features

- 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, and anti-vandalism mounting

| Description | Part # |
|---------------------------------------|--------|
| vent with 5" tube | VT |
| vent with 7" tube | VT7 |
| vent with 9" tube | VT9 |
| vent with 5" tube and threaded outlet | VTT |



VT

VTT

FloMAX High-Flow Fuel Vents

Features

- 7" tubes are available, contact Dixon® for more information
- Rotatable vent top is available
- Capable of handling **400 GPM** fluid flows
- Fits standard 2" NPT openings

| Description | Part # |
|----------------------------------|--------|
| high flow fuel vent with 5" tube | VTX |
| high flow fuel vent with 9" tube | VTX-9 |



FloMAX Diesel Fuel Swivels

Features

- Stainless steel male threaded base and ball bearings
- Hard black anodized female threaded nut
- Fluorosilicone sealing O-rings

| Thread Size | Description | Part # |
|---------------------------------------|-------------|---------------------|
| 1-1/2" male NPT x 1-1/2" female NPT | standard | FNS |
| 2" male NPT x 1-1/2" female NPT | standard | FNS2 |
| 1-1/2" female NPT x 1-1/2" female NPT | double | FNSID |
| 1-1/2" male NPS x 1-1/2" female NPT | standard | FN600S ¹ |

¹ Used with FN600 or FN600BL


FNS - standard



FNSID - double

FloMAX Standard-Series Connectors

Features

- Standard-series connectors consist of four color-coded mating connectors
- All-metal construction with stainless steel wear components and anodized aircraft grade aluminum non-wear components
- Easily recognizable labeling
- Fully compatible and interchangeable with industry standards

Engine Oil Nozzles

Features

- Bright red
- Universally fits both R-series and Standard series crankcase receivers
- Incorporates 10 locking balls with a 40% deeper engagement
- Resistant to clogging with a greater ease of cleaning
- Smooth actuation
- Larger diameter pullback lanyard
- Maximum working pressure: **500 PSI**
- **50 GPM**



| Male Thread | Description | Anodized Aluminum Part # |
|-------------|-----------------------------------|--------------------------|
| 3/4" NPT | engine nozzle ball lock | ENBL |
| | engine nozzle ball lock with plug | ENBL-P |
| --- | engine nozzle plug | ENBL-PLUG |

Engine Oil Receivers



| Male Thread | Description | Anodized Aluminum Part # |
|-------------|--|--------------------------|
| 3/4" NPT | engine receiver | ERS |
| | engine receiver with cap | ERS-C |
| --- | engine receiver cap | ERS-CAP |
| 3/4" JIC | engine receiver with JIC bulkhead base | ERJ |
| | engine receiver with JIC bulkhead base and cap | ERJ-C |

Coolant Fluid Nozzles

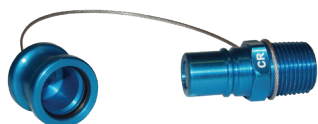
Features

- Bright teal
- Standard roll-pin locking mechanism
- Ergonomically engineered pullbacks and caps



| Male Thread | Description | Anodized Aluminum Part # |
|-------------|------------------------------------|--------------------------|
| 1/2" NPT | coolant nozzle ball lock | CN |
| | coolant nozzle ball lock with plug | CN-P |
| --- | coolant nozzle plug | CN-PLUG |

Coolant Fluid Receivers



| Male Thread | Description | Anodized Aluminum Part # |
|-------------|---------------------------|--------------------------|
| 1/2" NPT | coolant receiver | CR-S |
| | coolant receiver with cap | CR-C |
| --- | coolant receiver cap | CR-CAP |

FloMAX Standard-Series Connectors

Hydraulic Oil Nozzles

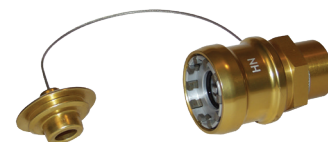
Features

- Bright gold
- 10 steel dog latching mechanism
- Ergonomically engineered pullbacks and caps
- Fits all industry standard connectors

| Female Thread | Description | Anodized Aluminum Part # |
|---------------|----------------------------|--------------------------|
| 3/4" NPT | hydraulic nozzle | HN |
| | hydraulic nozzle with plug | HN-P |
| --- | hydraulic nozzle plug | HN-PLUG |

Hydraulic Oil Receivers

| Male Thread | Description | Anodized Aluminum Part # |
|-------------|-----------------------------|--------------------------|
| 3/4" NPT | hydraulic receiver | HR |
| | hydraulic receiver with cap | HR-C |
| --- | hydraulic receiver cap | HR-CAP |



Transmission Fluid Nozzles

Features

- Bright violet
- 6 steel dog latching mechanism
- Ergonomically engineered pullbacks and caps
- Fits all industry standard connectors

| Male Thread | Description | Anodized Aluminum Part # |
|-------------|-------------------------------|--------------------------|
| 1/2" NPT | transmission nozzle | TN |
| | transmission nozzle with plug | TN-P |
| --- | transmission nozzle plug | TN-PLUG |



Transmission Fluid Receivers

| Female Thread | Description | Anodized Aluminum Part # |
|---------------|--------------------------------|--------------------------|
| 3/8" NPT | transmission receiver | TR |
| | transmission receiver with cap | TR-C |
| --- | transmission receiver cap | TR-CAP |



FloMAX R-Series Connectors

Features

- Fully compatible and interchangeable with industry standards
- All-metal construction using anodized aircraft grade aluminum non-wear components
- Standard roll-pin locking mechanism
- Ergonomically engineered pullbacks and caps
- Fits all industry R-Series connectors

Engine Oil Nozzles

Feature

- Bright red

| Female Thread | Description | Anodized Aluminum Part # |
|---------------|----------------------------------|--------------------------|
| 3/4" NPT | R-Series engine nozzle | R-EN |
| | R-Series engine nozzle with plug | R-EN-P |
| --- | R-Series engine nozzle plug | R-EN-PLUG |



Engine Oil Receivers

| Male Thread | Female Thread | Description | Anodized Aluminum Part # |
|----------------|----------------|-----------------------------------|--------------------------|
| 1.625-12 UN-2A | 1.312-12 UN-2B | R-Series engine receiver | R-ER |
| | | R-Series engine receiver with cap | R-ER-C |
| --- | --- | R-Series engine receiver cap | R-ER-CAP |



FloMAX R-Series Connectors

Coolant Fluid Nozzles

Feature

- Bright teal



| Female Thread | Description | Anodized Aluminum Part # |
|---------------|-----------------------------------|--------------------------|
| 1/2" NPT | R-Series coolant nozzle | R-CN |
| | R-Series coolant nozzle with plug | R-CN-P |
| --- | R-Series coolant nozzle plug | R-CN-PLUG |

Coolant Fluid Receivers



| Male Thread | Female Thread | Description | Anodized Aluminum Part # |
|----------------|---------------|------------------------------------|--------------------------|
| 1.187-12 UN-2A | .875-14 UN-2B | R-Series coolant receiver | R-CR |
| | | R-Series coolant receiver with cap | R-CR-C |
| --- | --- | R-Series coolant receiver cap | R-CR-CAP |

Hydraulic Oil Nozzles

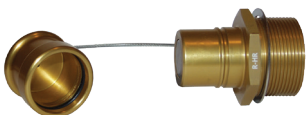
Feature

- Bright gold



| Female Thread | Description | Anodized Aluminum Part # |
|---------------|-------------------------------------|--------------------------|
| 1" NPT | R-Series hydraulic nozzle | R-HN |
| | R-Series hydraulic nozzle with plug | R-HN-P |
| --- | R-Series hydraulic nozzle plug | R-HN-PLUG |

Hydraulic Oil Receivers



| Male Thread | Female Thread | Description | Anodized Aluminum Part # |
|----------------|----------------|--------------------------------------|--------------------------|
| 1.875-12 UN-2A | 1.625-12 UN-2B | R-Series hydraulic receiver | R-HR |
| | | R-Series hydraulic receiver with cap | R-HR-C |
| --- | --- | R-Series hydraulic receiver cap | R-HR-CAP |

Transmission Fluid Nozzles

Feature

- Bright violet



| Female Thread | Description | Anodized Aluminum Part # |
|---------------|--|--------------------------|
| 3/4" NPT | R-Series transmission nozzle | R-TN |
| | R-Series transmission nozzle with plug | R-TN-P |
| --- | R-Series transmission nozzle plug | R-TN-PLUG |

Transmission Fluid Receivers



| Male Thread | Female Thread | Description | Anodized Aluminum Part # |
|----------------|----------------|--|--------------------------|
| 1.312-12 UN-2A | 1.062-12 UN-2B | R-Series transmission receiver | R-TR |
| | | R-Series transmission receiver, with cap | R-TR-C |
| --- | --- | R-Series transmission receiver cap | R-TR-CAP |

FloMAX High Flow 3/4"-Series Connectors

Features

- 6 nozzle and receiver sets color-coded for quick identification of mating parts; each color nozzle and receiver only couples with matching color component, providing complete protection against cross contamination

Specifications

- Flow rate: **50 GPM** of flow at about **40 PSI**
- Working pressure rating: **500 PSI**

Nozzles

| Male Thread | Description | Anodized Aluminum Part # |
|-------------|-------------------------|--------------------------|
| 3/4" NPT | red nozzle with plug | ENBL-P |
| | gold nozzle with plug | ENBL-P2 |
| | teal nozzle with plug | ENBL-P3 |
| | violet nozzle with plug | ENBL-P4 |
| | navy nozzle with plug | ENBL-P5 |
| | copper nozzle with plug | ENBL-P6 |

Receivers

| Male Thread | Description | Anodized Aluminum Part # |
|-------------|--------------------------|--------------------------|
| 3/4" NPT | red receiver with cap | ERS-C |
| | gold receiver with cap | ERS-C2 |
| | teal receiver with cap | ERS-C3 |
| | violet receiver with cap | ERS-C4 |
| | navy receiver with cap | ERS-C5 |
| | copper receiver with cap | ERS-C6 |

NOTE: ERS-Series is available with JIC bulkhead base, substitute 'J' for 'S', example: ERJ-C2



FloMAX High Flow 1" Series Connectors

Features

- 7 color-coded nozzle and receiver sets for quick identification of mating parts; nozzle and receiver only couple with matching color component, providing complete protection against cross contamination
- Nozzle/receiver combination has a flow area equivalent to a 1" schedule 80 pipe
- All wear parts are stainless steel; all non-wear parts are colored anodized aircraft grade aluminum
- Standard nozzle mounting: 1" female NPT; receiver: 1" male NPT

- Nozzle incorporates a ball lock mechanism ensuring smooth and reliable operation
- Length: nozzle 3.92" (99.5 mm), receiver 3.40" (86 mm)
- Nozzle and receiver coupled length: 5.35" (136 mm)
- Diameter: 2.50" (64 mm)
- Hex size: 2" (51 mm)

Specifications

- Working pressure: **500 PSI** with burst pressure: **1500 PSI**
- Flow rate: **113 GPM** of flow at about **30 PSI**

Nozzles

| Female NPT | Description | Anodized Aluminum Part # |
|------------|----------------------------|--------------------------|
| 1" | red nozzle with plug | HFN-P1 |
| | gold nozzle with plug | HFN-P2 |
| | teal nozzle with plug | HFN-P3 |
| | violet nozzle with plug | HFN-P4 |
| | navy nozzle with plug | HFN-P5 |
| | brown nozzle with plug | HFN-P6 |
| | blue/gray nozzle with plug | HFN-P7 |

Receivers

| Male NPT | Description | Anodized Aluminum Part # |
|----------|-----------------------------|--------------------------|
| 1" | red receiver with cap | HFR-C1 |
| | gold receiver with cap | HFR-C2 |
| | teal receiver with cap | HFR-C3 |
| | violet receiver with cap | HFR-C4 |
| | navy receiver with cap | HFR-C5 |
| | brown receiver with cap | HFR-C6 |
| | blue/gray receiver with cap | HFR-C7 |



FNBL Diesel Fuel Nozzle Cleaning Instructions



1. Pull the FNBL nose apart

- Pull the pullback toward the body to reveal the nose ring
- Remove the nose ring found near the front of the nose
- Slide the pullback off the nose taking care to capture the ten stainless steel ball bearings



2. Clean the FNBL nose parts

- The pullback has a Delron® bushing and a felt seal that should be checked and replaced if needed
- The wiper seal inside the nose should be removed and replaced
- Clean the nose, pullback spring, spring retainer, pullback, and ball bearings as needed



3. Reassembly of the FNBL nose

- Put a small amount of O-ring lube on the nose in the 10 ball bearing holes to hold them in place during reassembly
- Put a ball bearing in each of the 10 hoses in the nose
- Make sure the felt seal is completely inserted in the felt seal groove in the pullback
- Slide the pullback over the nose as far back toward the body as it will go
- Put the nose ring back in its groove near the front end of the nose

Safety

Dixon® couplings and retention devices are designed to work safely for their intended use. The selection of the proper hose, coupling, and retention device, and the proper application of the coupling to the hose are of utmost importance.

Users must consider the size, temperature, application, media, pressure, and hose and coupling manufacturer's recommendations when selecting the proper hose assembly components. Dixon recommends that all hose assemblies be tested in accordance with the Association for Rubber Products Manufacturer's (ARPM) recommendations and be inspected regularly (before each use) to ensure that they are not damaged or have become loose. Visit ARPMINC.com for more information.

Where safety devices are integral to the coupling, they must be working and utilized. The use of supplementary safety devices such as safety clips or safety cables are recommended.

If any problem is detected, couplings must be removed from service immediately.

Dixon is available to consult, train, and recommend the proper selection and application of all fittings we sell. We strongly recommend that distributors and end users make use of Dixon's Testing and Recommendation Services. Call 877.963.4966 or go to dixonvalve.com to learn more.



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