

DF-Series Industrial Interchange

Interchange Data:

- Parker 20-Series Manual Interchange (F-Series)
- Parker 30-Series Automatic Interchange (D-Series)
- Foster 3, 4, 5, and 6 Series
- Hansen 1000, 400, 500 (F-Series)
- Hansen 3000, 4000, 5000, 6000 (D-Series)



Materials:

- Machined components are manufactured using solid Steel, Brass, or 303 Stainless Steel bar stock
- Stainless Steel balls, retaining rings, and springs maximise corrosion resistance and extend service life
- Steel componentry is plated using ROHS Compliant Trivalent Chrome
- Automatic couplers constructed of Brass with Steel tubular valve as standard (3/8" to 3/4" couplers have Steel prong valves)

- 1/4" manual couplers constructed of Brass with Steel sleeve and Steel tubular valve as standard
- 3/8" and 1/2" manual couplers constructed of Steel as standard with Steel tubular valve.

Seal Components:

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

Rated Pressure Chart:

| D-SERIES AUTOMATIC INDUSTRIAL INTERCHANGE (CONNECTED) | | | | | | | | | | | | | | | | |
|-------------------------------------------------------|--------------------------|-----|--------|-------|--------------------|-----|--------|-------|--------------------|-----|-------|-----|----------------------------|-----|--------|-------|
| BODY SIZE | BRASS COUPLER/STEEL PLUG | | | | BRASS COUPLER/PLUG | | | | STEEL COUPLER/PLUG | | | | 303 STAINLESS COUPLER/PLUG | | | |
| | Max. Working | | Burst | | Max. Working | | Burst | | Max. Working | | Burst | | Max. Working | | Burst | |
| | PSI | Bar | PSI | Bar | PSI | Bar | PSI | Bar | PSI | Bar | PSI | Bar | PSI | Bar | PSI | Bar |
| 1/4" | 500 | 35 | 16,000 | 1,100 | 300 | 20 | 16,000 | 1,100 | - | - | - | - | 500 | 35 | 26,000 | 1,795 |
| 3/8" | 500 | 35 | 15,500 | 1,070 | 300 | 20 | 14,500 | 1,000 | - | - | - | - | 500 | 35 | 25,500 | 1,760 |
| 1/2" | 500 | 35 | 14,000 | 965 | 300 | 20 | 10,500 | 725 | - | - | - | - | 500 | 35 | 20,500 | 1,415 |
| 3/4" | 500 | 35 | 10,000 | 670 | - | - | - | - | - | - | - | - | - | - | - | - |

| F-SERIES MANUAL INDUSTRIAL INTERCHANGE (CONNECTED) | | | | | | | | | | | | | | | | |
|----------------------------------------------------|--------------------------|-----|--------|-----|--------------------|-----|--------|-----|--------------------|-----|--------|-------|----------------------------|-----|--------|-------|
| BODY SIZE | BRASS COUPLER/STEEL PLUG | | | | BRASS COUPLER/PLUG | | | | STEEL COUPLER/PLUG | | | | 303 STAINLESS COUPLER/PLUG | | | |
| | Max. Working | | Burst | | Max. Working | | Burst | | Max. Working | | Burst | | Max. Working | | Burst | |
| | PSI | Bar | PSI | Bar | PSI | Bar | PSI | Bar | PSI | Bar | PSI | Bar | PSI | Bar | PSI | Bar |
| 1/4" | 500 | 35 | 9,000 | 620 | 300 | 20 | 8,500 | 586 | 500 | 35 | 6,500 | 448 | 500 | 35 | 11,500 | 795 |
| 3/8" | 500 | 35 | 11,500 | 790 | 300 | 20 | 10,000 | 690 | 500 | 35 | 19,500 | 1,345 | 500 | 35 | 20,500 | 1,415 |
| 1/2" | - | - | - | - | - | - | - | - | 500 | 35 | 15,500 | 1,070 | 500 | 35 | 15,000 | 1,035 |

Technical Specifications:

| BODY SIZE | INTERCHANGE STANDARDS | | | | FUNCTIONAL PARAMETERS | | | | |
|-----------|-----------------------|-----------------|-------------------------|---------------------|-----------------------|---------------|------------|----------------|----------------------|
| | U.S. MILITARY | U.S. GOVERNMENT | INTERNATIONAL STANDARDS | ANSI/NFPA STANDARDS | LOCKING BALL QUANTITY | AIR INCLUSION | FLUID LOSS | VACUUM INCH HG | FLOW ΔP = 15 PSI CFM |
| 1/4" | MIL-C-4109F | A-A-59439 | ISO6150B | T3.20.14-1990 | 6 | N/A | N/A | N/R | 27 |
| 3/8" | - | - | ISO6150B | T3.20.14-1990 | 6 | N/A | N/A | N/R | 45 |
| 1/2" | MIL-C-4109F | A-A-59439 | ISO6150B | T3.20.14-1990 | 6 | N/A | N/A | N/R | 91 |
| 3/4" | - | - | - | T3.20.14-1990 | 9 | N/A | N/A | N/R | 200 |

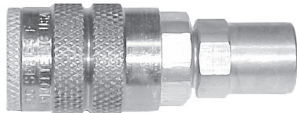
Quick Release Couplings



(Reusable Barb)

D-SERIES INDUSTRIAL INTERCHANGE (AUTOMATIC SAFETY COUPLER)

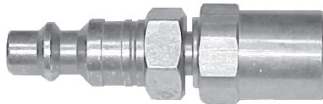
| PART NO. | BODY SIZE | BARB CONFIGURATION | BODY MATERIAL |
|----------|-----------|---------------------|---------------------|
| 2DE2-B | 1/4" | 1/4" ID X 1/2" OD | Brass |
| 2DH2-B | 1/4" | 1/4" ID X 5/8" OD | Brass |
| 2DH2-S | 1/4" | 1/4" ID X 5/8" OD | 303 Stainless Steel |
| 2DK3-B | 1/4" | 3/8" ID X 11/16" OD | Brass |
| 2DL3-B | 1/4" | 3/8" ID X 3/4" OD | Brass |



(Reusable Barb)

F-SERIES INDUSTRIAL INTERCHANGE (MANUAL COUPLER)

| PART NO. | BODY SIZE | BARB CONFIGURATION | BODY MATERIAL |
|----------|-----------|---------------------|---------------------|
| 2FE2-B | 1/4" | 1/4" ID X 1/2" OD | Brass |
| 2FH2-B | 1/4" | 1/4" ID X 5/8" OD | Brass |
| 2FH2-S | 1/4" | 1/4" ID X 5/8" OD | 303 Stainless Steel |
| 2FK3-B | 1/4" | 3/8" ID X 11/16" OD | Brass |
| 2FL3-B | 1/4" | 3/8" ID X 3/4" OD | Brass |



(Reusable Barb)

DF-SERIES INDUSTRIAL INTERCHANGE (NIPPLE)

| PART NO. | BODY SIZE | BARB CONFIGURATION | BODY MATERIAL |
|----------|-----------|---------------------|---------------------|
| D2E2 | 1/4" | 1/4" ID X 1/2" OD | Brass |
| D2H2 | 1/4" | 1/4" ID X 5/8" OD | Brass |
| D2H2-S | 1/4" | 1/4" ID X 5/8" OD | 303 Stainless Steel |
| D2K3 | 1/4" | 3/8" ID X 11/16" OD | Brass |
| D2L3 | 1/4" | 3/8" ID X 3/4" OD | Brass |

D-SERIES INDUSTRIAL INTERCHANGE (AUTOMATIC SAFETY COUPLER)

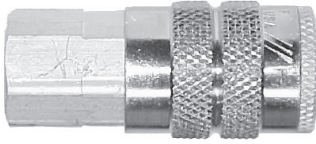
| PART NO. | BODY SIZE | THREAD SIZE | BODY MATERIAL |
|----------|-----------|----------------|---------------------|
| 2DF1-B | 1/4" | 1/8"-27 NPTF | Brass |
| 2DF2-B | 1/4" | 1/4"-18 NPTF | Brass |
| 2DF2-S | 1/4" | 1/4"-18 NPTF | 303 Stainless Steel |
| 2DBF2-B | 1/4" | 1/4"-19 BSPP | Brass |
| 2DF3-B | 1/4" | 3/8"-18 NPTF | Brass |
| 2DBF3-B | 1/4" | 3/8"-19 BSPP | Brass |
| 3DF2-B | 3/8" | 1/4"-18 NPTF | Brass |
| 3DF3-B | 3/8" | 3/8"-18 NPTF | Brass |
| 3DF3-S | 3/8" | 3/8"-18 NPTF | 303 Stainless Steel |
| 3DBF3-B | 3/8" | 3/8"-19 BSPP | Brass |
| 3DF4-B | 3/8" | 1/2"-14 NPTF | Brass |
| 4DF3-B | 1/2" | 3/8"-18 NPTF | Brass |
| 4DF4-B | 1/2" | 1/2"-14 NPTF | Brass |
| 4DF4-S | 1/2" | 1/2"-14 NPTF | 303 Stainless Steel |
| 4DBF4-B | 1/2" | 1/2"-14 BSPP | Brass |
| 4DF6-B | 1/2" | 3/4"-14 NPTF | Brass |
| 6DF4-B | 3/4" | 1/2"-14 NPTF | Brass |
| 6DF6-B | 3/4" | 3/4"-14 NPTF | Brass |
| 6DF8-B | 3/4" | 1"-11 1/2 NPTF | Brass |



(Female Thread)

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F-SERIES INDUSTRIAL INTERCHANGE (MANUAL COUPLER)



(Female Thread)

| PART NO. | BODY SIZE | THREAD SIZE | BODY MATERIAL |
|----------|-----------|--------------|---------------------|
| 2FF1-B | 1/4" | 1/8"-27 NPTF | Brass |
| 2FBF1-B | 1/4" | 1/8"-28 BSPP | Brass |
| 2FF2-B | 1/4" | 1/4"-18 NPTF | Brass |
| 2FF2 | 1/4" | 1/4"-18 NPTF | Steel |
| 2FF2-S | 1/4" | 1/4"-18 NPTF | 303 Stainless Steel |
| 2FBF2-B | 1/4" | 1/4"-19 BSPP | Brass |
| 2FF3-B | 1/4" | 3/8"-18 NPTF | Brass |
| 2FBF3-B | 1/4" | 3/8"-19 BSPP | Brass |
| 3FF2 | 3/8" | 1/4"-18 NPTF | Steel |
| 3FF3 | 3/8" | 3/8"-18 NPTF | Steel |
| 3FF3-S | 3/8" | 3/8"-18 NPTF | 303 Stainless Steel |
| 3FBF3 | 3/8" | 3/8"-19 BSPP | Steel |
| 3FF4 | 3/8" | 1/2"-14 NPTF | Steel |
| 4FF3 | 1/2" | 3/8"-18 NPTF | Steel |
| 4FF4 | 1/2" | 1/2"-14 NPTF | Steel |
| 4FF4-S | 1/2" | 1/2"-14 NPTF | 303 Stainless Steel |
| 4FBF4 | 1/2" | 1/2"-14 BSPP | Steel |
| 4FF6 | 1/2" | 3/4"-14 NPTF | Steel |

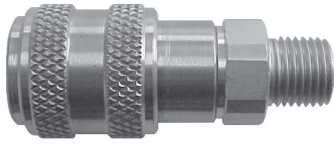
DF-SERIES INDUSTRIAL INTERCHANGE (NIPPLE)



(Female Thread)

| PART NO. | BODY SIZE | THREAD SIZE | BODY MATERIAL |
|----------|-----------|----------------|---------------------|
| D2F1 | 1/4" | 1/8"-27 NPTF | Steel |
| D2F2 | 1/4" | 1/4"-18 NPTF | Steel |
| D2F2-B | 1/4" | 1/4"-18 NPTF | Brass |
| D2F2-S | 1/4" | 1/4"-18 NPTF | 303 Stainless Steel |
| D2BF2 | 1/4" | 1/4"-19 BSPP | Steel |
| D2F3 | 1/4" | 3/8"-18 NPTF | Steel |
| D2F3-B | 1/4" | 3/8"-18 NPTF | Brass |
| D2BF3 | 1/4" | 3/8" BSPPT | Steel |
| D3F2 | 3/8" | 1/4"-18 NPTF | Steel |
| D3F3 | 3/8" | 3/8"-18 NPTF | Steel |
| D3F3-B | 3/8" | 3/8"-18 NPTF | Brass |
| D3F3-S | 3/8" | 3/8"-18 NPTF | 303 Stainless Steel |
| D3BF3 | 3/8" | 3/8"-19 BSPP | Steel |
| D3F4 | 3/8" | 1/2"-14 NPTF | Steel |
| D4F3 | 1/2" | 3/8"-18 NPTF | Steel |
| D4F4 | 1/2" | 1/2"-14 NPTF | Steel |
| D4F4-B | 1/2" | 1/2"-14 NPTF | Brass |
| D4F4-S | 1/2" | 1/2"-14 NPTF | 303 Stainless Steel |
| D4BF4 | 1/2" | 1/2"-14 BSPP | Steel |
| D4F6 | 1/2" | 3/4"-14 NPTF | Steel |
| D6F4 | 3/4" | 1/2"-14 NPTF | Steel |
| D6F6 | 3/4" | 3/4"-14 NPTF | Steel |
| D6F8 | 3/4" | 1"-11 1/2 NPTF | Steel |

Quick Release Couplings



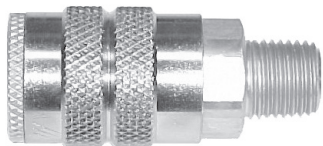
(Male Thread)

D-SERIES INDUSTRIAL INTERCHANGE (AUTOMATIC SAFETY COUPLER)

| PART NO. | BODY SIZE | THREAD SIZE | BODY MATERIAL |
|----------|-----------|----------------|---------------------|
| 2DM1-B | 1/4" | 1/8"-27 NPTF | Brass |
| 2DM2-B | 1/4" | 1/4"-18 NPTF | Brass |
| 2DM2-S | 1/4" | 1/4"-18 NPTF | 303 Stainless Steel |
| 2DBM2-B | 1/4" | 1/4"-19 BSPT | Brass |
| 2DM3-B | 1/4" | 3/8"-18 NPTF | Brass |
| 2DBM3-B | 1/4" | 3/8"-19 BSPT | Brass |
| 3DM2-B | 3/8" | 1/4"-18 NPTF | Brass |
| 3DM3-B | 3/8" | 3/8"-18 NPTF | Brass |
| 3DM3-S | 3/8" | 3/8"-18 NPTF | 303 Stainless Steel |
| 3DBM3-B | 3/8" | 3/8"-19 BSPT | Brass |
| 3DM4-B | 3/8" | 1/2"-14 NPTF | Brass |
| 4DM3-B | 1/2" | 3/8"-18 NPTF | Brass |
| 4DM4-B | 1/2" | 1/2"-14 NPTF | Brass |
| 4DM4-S | 1/2" | 1/2"-14 NPTF | 303 Stainless Steel |
| 4DBM4-B | 1/2" | 1/2"-14 BSPT | Brass |
| 4DM6-B | 1/2" | 3/4"-14 NPTF | Brass |
| 6DM4-B | 3/4" | 1/2"-14 NPTF | Brass |
| 6DM6-B | 3/4" | 3/4"-14 NPTF | Brass |
| 6DM8-B | 3/4" | 1"-11 1/2 NPTF | Brass |

F-SERIES INDUSTRIAL INTERCHANGE (MANUAL COUPLER)

| PART NO. | BODY SIZE | THREAD SIZE | BODY MATERIAL |
|----------|-----------|--------------|---------------------|
| 2FM1-B | 1/4" | 1/8"-27 NPTF | Brass |
| 2FM1-S | 1/4" | 1/8"-27 NPTF | 303 Stainless Steel |
| 2FM2-B | 1/4" | 1/4"-18 NPTF | Brass |
| 2FM2 | 1/4" | 1/4"-18 NPTF | Brass |
| 2FM2-S | 1/4" | 1/4"-18 NPTF | 303 Stainless Steel |
| 2FBM2-B | 1/4" | 1/4"-19 BSPT | Brass |
| 2FM3-B | 1/4" | 3/8"-18 NPTF | Brass |
| 2FBM3-B | 1/4" | 3/8"-19 BSPT | Brass |
| 3FM2 | 3/8" | 1/4"-18 NPTF | Steel |
| 3FM3 | 3/8" | 3/8"-18 NPTF | Steel |
| 3FM3-S | 3/8" | 3/8"-18 NPTF | 303 Stainless Steel |
| 3FBM3 | 3/8" | 3/8"-19 BSPT | Steel |
| 3FM4 | 3/8" | 1/2"-14 NPTF | Steel |
| 4FM3 | 1/2" | 3/8"-18 NPTF | Steel |
| 4FM4 | 1/2" | 1/2"-14 NPTF | Steel |
| 4FM4-S | 1/2" | 1/2"-14 NPTF | 303 Stainless Steel |
| 4FBM4 | 1/2" | 1/2"-14 BSPT | Steel |
| 4FM6 | 1/2" | 3/4"-14 NPTF | Steel |



(Male Thread)

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DF-SERIES INDUSTRIAL INTERCHANGE (NIPPLE)



(Male Thread)

| PART NO. | BODY SIZE | THREAD SIZE | BODY MATERIAL |
|----------|-----------|----------------|---------------------|
| D2M1 | 1/4" | 1/8"-27 NPTF | Steel |
| D2M1-B | 1/4" | 1/8"-27 NPTF | Steel |
| D2M1-S | 1/4" | 1/8"-27 NPTF | 303 Stainless Steel |
| D2M2 | 1/4" | 1/4"-18 NPTF | Steel |
| D2M2-B | 1/4" | 1/4"-18 NPTF | Brass |
| D2M2-S | 1/4" | 1/4"-18 NPTF | 303 Stainless Steel |
| D2BM2 | 1/4" | 1/4"-19 BSPT | Steel |
| D2M3 | 1/4" | 3/8"-18 NPTF | Steel |
| D2M3-B | 1/4" | 3/8"-18 NPTF | Brass |
| D2BM3 | 1/4" | 3/8"-19 BSPT | Steel |
| D3M2 | 3/8" | 1/4"-18 NPTF | Steel |
| D3M3 | 3/8" | 3/8"-18 NPTF | Steel |
| D3M3-B | 3/8" | 3/8"-18 NPTF | Brass |
| D3M3-S | 3/8" | 3/8"-18 NPTF | 303 Stainless Steel |
| D3BM3 | 3/8" | 3/8"-19 BSPT | Steel |
| D3M4 | 3/8" | 1/2"-14 NPTF | Steel |
| D4M2 | 1/2" | 1/4"-18 NPTF | Steel |
| D4M3 | 1/2" | 3/8"-18 NPTF | Steel |
| D4M4 | 1/2" | 1/2"-14 NPTF | Steel |
| D4M4-B | 1/2" | 1/2"-14 NPTF | Brass |
| D4M4-S | 1/2" | 1/2"-14 NPTF | 303 Stainless Steel |
| D4BM4 | 1/2" | 1/2"-14 BSPT | Steel |
| D4M6 | 1/2" | 3/4"-14 NPTF | Steel |
| D6M4 | 3/4" | 1/2"-14 NPTF | Steel |
| D6M6 | 3/4" | 3/4"-14 NPTF | Steel |
| D6M8 | 3/4" | 1"-11 1/2 NPTF | Steel |

D-SERIES INDUSTRIAL INTERCHANGE (AUTOMATIC SAFETY COUPLER)

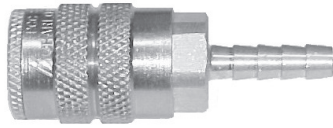


(Standard and Push-Loc Hose Barb)

| PART NO. | BODY SIZE | BARB CONFIGURATION | BODY MATERIAL |
|----------|-----------|--------------------|---------------------|
| 2DS2-B | 1/4" | 1/4" Hose Barb | Brass |
| 2DS2-S | 1/4" | 1/4" Hose Barb | 303 Stainless Steel |
| 2DB2-B | 1/4" | 1/4" Push-Loc | Brass |
| 2DS2.5-B | 1/4" | 5/16" Hose Barb | Brass |
| 2DS3-B | 1/4" | 3/8" Hose Barb | Brass |
| 2DB3-B | 1/4" | 3/8" Push-Loc | Brass |
| 3DS2-B | 3/8" | 1/4" Hose Barb | Brass |
| 3DS3-B | 3/8" | 3/8" Hose Barb | Brass |
| 3DS3-S | 3/8" | 3/8" Hose Barb | 303 Stainless Steel |
| 3DB3-B | 3/8" | 3/8" Push-Loc | Brass |
| 3DS4-B | 3/8" | 1/2" Hose Barb | Brass |
| 4DS3-B | 1/2" | 3/8" Hose Barb | Brass |
| 4DS4-B | 1/2" | 1/2" Hose Barb | Brass |
| 4DS4-S | 1/2" | 1/2" Hose Barb | 303 Stainless Steel |
| 4DB4-B | 1/2" | 1/2" Hose Barb | Brass |
| 4DS6-B | 1/2" | 3/4" Hose Barb | Brass |
| 6DS4-B | 3/4" | 1/2" Hose Barb | Brass |
| 6DS6-B | 3/4" | 3/4" Hose Barb | Brass |
| 6DS8-B | 3/4" | 1" Hose Barb | Brass |

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Quick Release Couplings



(Standard and Push-Loc Hose Barb)

| F-SERIES INDUSTRIAL INTERCHANGE (MANUAL COUPLER) | | | |
|--------------------------------------------------|-----------|--------------------|---------------------|
| PART NO. | BODY SIZE | BARB CONFIGURATION | BODY MATERIAL |
| 2FS2-B | 1/4" | 1/4" Hose Barb | Brass |
| 2FS2-S | 1/4" | 1/4" Hose Barb | 303 Stainless Steel |
| 2FB2-B | 1/4" | 1/4" Push-Loc | Brass |
| 2FS2.5-B | 1/4" | 5/16" Hose Barb | Brass |
| 2FS3-B | 1/4" | 3/8" Hose Barb | Brass |
| 2FB3-B | 1/4" | 3/8" Push-Loc | Brass |
| 3FS2 | 3/8" | 1/4" Hose Barb | Steel |
| 3FS3 | 3/8" | 3/8" Hose Barb | Steel |
| 3FS3-S | 3/8" | 3/8" Hose Barb | 303 Stainless Steel |
| 3FB3 | 3/8" | 3/8" Push-Loc | Steel |
| 3FS4 | 3/8" | 1/2" Hose Barb | Steel |
| 4FS3 | 1/2" | 3/8" Hose Barb | Steel |
| 4FS4 | 1/2" | 1/2" Hose Barb | Steel |
| 4FS4-S | 1/2" | 1/2" Hose Barb | 303 Stainless Steel |
| 4FB4 | 1/2" | 1/2" Push-Loc | Steel |
| 4FS6 | 1/2" | 3/4" Hose Barb | Steel |

DF-SERIES INDUSTRIAL INTERCHANGE (NIPPLE)



(Standard and Push-Loc Hose Barb)

| PART NO. | BODY SIZE | BARB CONFIGURATION | BODY MATERIAL |
|----------|-----------|--------------------|---------------------|
| D2S2 | 1/4" | 1/4" Hose Barb | Steel |
| D2S2-B | 1/4" | 1/4" Hose Barb | Brass |
| D2S2-S | 1/4" | 1/4" Hose Barb | 303 Stainless Steel |
| D2B2 | 1/4" | 1/4" Push-Loc | Steel |
| D2S2.5 | 1/4" | 5/16" Hose Barb | Steel |
| D2S3 | 1/4" | 3/8" Hose Barb | Steel |
| D2S3-B | 1/4" | 3/8" Hose Barb | Brass |
| D2B3 | 1/4" | 3/8" Push-Loc | Steel |
| D3S2 | 3/8" | 1/4" Hose Barb | Steel |
| D3S3 | 3/8" | 3/8" Hose Barb | Steel |
| D3S3-B | 3/8" | 3/8" Hose Barb | Brass |
| D3S3-S | 3/8" | 3/8" Hose Barb | 303 Stainless Steel |
| D3B3 | 3/8" | 3/8" Push-Loc | Steel |
| D3S4 | 3/8" | 1/2" Hose Barb | Steel |
| D4S3 | 1/2" | 3/8" Hose Barb | Steel |
| D4S4 | 1/2" | 1/2" Hose Barb | Steel |
| D4S4-B | 1/2" | 1/2" Hose Barb | Brass |
| D4S4-S | 1/2" | 1/2" Hose Barb | 303 Stainless Steel |
| D4B4 | 1/2" | 1/2" Push-Loc | Steel |
| D4S6 | 1/2" | 3/4" Hose Barb | Steel |
| D6S4 | 3/4" | 1/2" Hose Barb | Steel |
| D6S6 | 3/4" | 3/4" Hose Barb | Steel |
| D6S8 | 3/4" | 1" Hose Barb | Steel |