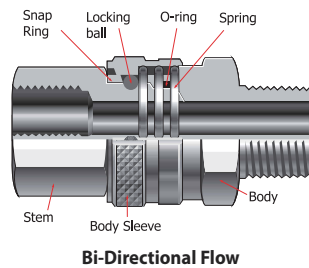


## DF Series Full Flow Quick Connectors



### Features

- Bi-directional flow design.
- Applicable to maximum flow
- Lowest pressure drop
- No tools required to connect & disconnect

### Materials of Construction

Component	Materials	
	SS316	Brass
Body, Stem	SS316/ASTM A276	JIS H3250 C3604
Sleeve		
Snap ring	SS316	SS316
Spring, Locking Ball	Stainless Steel	
O-ring	FKM	NBR
Lubricant	Silicon-based and PTFE-based lubricants	

Wetted parts and lubrication are indicated in blue.

### Max. Pressure @ 410°F (210°C)

DF Series	SS316	Brass
	psig (bar)	psig (bar)
DFA	6000 (413)	4000 (275)
DFB		3000 (206)
DFC	4000 (275)	2000 (137)
DFD		

### Max. Temperature Rating

DF Materials	O-ring Material	Max. Temp. Rating	Pressure Rating @ Max. Temp.
SS316	FKM	400 F (204°C)	100 psig (6.8 bar)
Brass	NBR	250 F (121°C)	100 psig (6.8 bar)

### Cleaning and Packaging

Every connector is cleaned, and packed in a plastic sealing bag to keep them from dust, and then boxed for protection from damage during transportation and storage.

### Operation

#### Coupling

1. Align stem with body.
2. Pull the body sleeve back.
3. Insert stem into body until it bottoms.
4. Return body sleeve to its original position.

#### Uncoupling

1. Pull the body sleeve back completely.
2. Remove stem from body.

**Caution :** Do not uncouple under pressure.

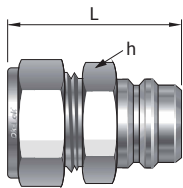
#### Note :

Couple the identical Series of stem and body.

**Example :** Any DFBA series body will fit any DFSA series stem.

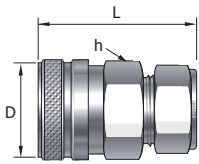
### Ordering Information and Dimensions

#### Stems



	Basic Ordering Number	End Connection	Cv	Orifice Min.	L	h
				mm (in.)		
DFSA-	D-4T-	1/4 in. DK-Lok	2.2	4.8 (0.19)	45.0 (1.77)	9/16
	D-6T-	3/8 in. DK-Lok	2.8	6.1 (0.24)	45.0 (1.77)	11/16
	D-6M-	6 mm DK-Lok	2.2	4.8 (0.19)	45.0 (1.77)	9/16
	M-4N-	1/4 in. Male NPT	1.7	6.1 (0.24)	40.4 (1.59)	9/16
	M-6N-	3/8 in. Male NPT	1.7	6.1 (0.24)	40.4 (1.59)	11/16
	F-4N-	1/4 in. Female NPT	1.7	6.1 (0.24)	40.6 (1.60)	3/4
DFSB-	F-6N-	3/8 in. Female NPT	1.7	6.1 (0.24)	42.4 (1.67)	7/8
	D-6T-	3/8 in. DK-Lok	2.9	7.1 (0.28)	47.8 (1.88)	7/8
	D-8T-	1/2 in. DK-Lok	13.0	10.4 (0.41)	50.5 (1.99)	7/8
	M-6N-	3/8 in. Male NPT	7.1	10.4 (0.41)	40.4 (1.59)	7/8
	M-8N-	1/2 in. Male NPT	11.5	12.7 (0.50)	46.7 (1.84)	7/8
	F-6N-	3/8 in. Female NPT	7.1	11.9 (0.47)	40.4 (1.59)	1 1/16
DFSC-	F-8N-	1/2 in. Female NPT	11.5	12.7 (0.50)	46.2 (1.82)	1 1/16
	D-12T-	3/4 in. DK-Lok	26.0	15.7 (0.62)	54.6 (2.15)	1 1/16
	M-12N-	3/4 in. Male NPT	23.6	18.3 (0.72)	51.6 (2.03)	1 1/16
DFSD-	F-12N-	3/4 in. Female NPT	23.6	18.3 (0.72)	52.8 (2.08)	1 5/16
	D-16T-	1 in. DK-Lok	45.0	22.4 (0.88)	62.2 (2.45)	1 3/8
	M-16N-	1 in. Male NPT	39.0	22.4 (0.88)	59.7 (2.35)	1 3/8
	F-16N-	1 in. Female NPT	39.0	22.4 (0.88)	63.2 (2.49)	1 5/8

## Bodies



Basic Ordering Number	End Connection	Orifice Min.	L	D	h	
		mm (in.)			in.	
DFBA-	D-4T-	1/4 in. DK-Lok	4.8 (0.19)	45.7 (1.80)	22.1 (0.87)	1 1/16
	D-6T-	3/8 in. DK-Lok	7.1 (0.28)	46.0 (1.81)	22.1 (0.87)	1 1/16
	D-6M-	6 mm DK-Lok	4.8 (0.19)	45.7 (1.80)	22.1 (0.87)	11/16
	M-4N-	1/4 in. Male NPT	6.4 (0.25)	39.9 (1.57)	22.1 (0.87)	11/16
	M-6N-	3/8 in. Male NPT	9.4 (0.37)	39.9 (1.57)	22.1 (0.87)	11/16
	F-4N-	1/4 in. Female NPT	9.7 (0.38)	38.1 (1.50)	22.1 (0.87)	3/4
	F-6N-	3/8 in. Female NPT	9.7 (0.38)	41.4 (1.63)	22.1 (0.87)	7/8
DFBB-	D-6T-	3/8 in. DK-Lok	7.1 (0.28)	55.1 (2.17)	33.0 (1.30)	1 1/16
	D-8T-	1/2 in. DK-Lok	11.9 (0.47)	56.6 (2.23)	33.0 (1.30)	1 1/16
	M-6N-	3/8 in. Male NPT	10.4 (0.41)	46.5 (1.83)	33.0 (1.30)	1 1/16
	M-8N-	1/2 in. Male NPT	12.7 (0.50)	52.8 (2.08)	33.0 (1.30)	1 1/16
	F-6N-	3/8 in. Female NPT	15.0 (0.59)	43.9 (1.73)	33.0 (1.30)	1 1/16
	F-8N-	1/2 in. Female NPT	16.0 (0.63)	43.9 (1.73)	33.0 (1.30)	1 1/16
DFBC-	D-12T-	3/4 in. DK-Lok	15.7 (0.62)	62.2 (2.45)	42.2 (1.66)	1 1/2
	M-12N-	3/4 in. Male NPT	18.3 (0.72)	59.2 (2.33)	42.2 (1.66)	1 1/2
	F-12N-	3/4 in. Female NPT	22.4 (0.88)	48.0 (1.89)	42.2 (1.66)	1 1/2
DFBD-	D-16T-	1 in. DK-Lok	22.4 (0.88)	69.9 (2.75)	47.8 (1.88)	1 11/16
	M-16N-	1 in. Male NPT	22.4 (0.88)	67.3 (2.65)	47.8 (1.88)	1 11/16
	F-16N-	1 in. Female NPT	26.9 (1.06)	53.8 (2.12)	47.8 (1.88)	1 11/16

## DF Protectors

Body and Stem Protector are available to protect body and stem from damage and contamination while they are uncoupled.

### Field Assembly Protector Ordering Number

Stem Protector	Body Protector
DFSA-CP-	DFBA-PG-
DFSB-CP-	DFBB-PG-
DFSC-CP-	DFBC-PG-
DFSD-CP-	DFBD-PG-

To complete ordering number, add a material designator "SA" for SS316, "BA" for Brass as a suffix to the protector ordering number.

Examples : DFSA-CP-SA, DFBA-PG-BA.

### Insertion Depth

Unit : mm (in.)

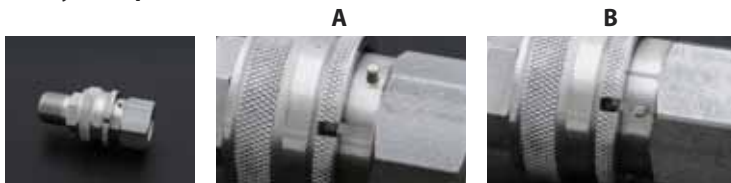
DF Series	Depth
DFA	19.8 (0.78)
DFB	20.6 (0.81)
DFC	22.9 (0.90)
DFD	23.9 (0.94)

## How to order FACTORY ASSEMBLED PROTECTOR on to DF stem and body.

Select an applicable STEM or BODY ordering number, and insert "CP" or "PG" in the ordering number.

Examples : DFSA-D-4T-CP-SA, DFBA-D-4T-PG-SA

## Safety Pin Option on DF series



**A.** A safety pin on body with a holding groove on sleeve prevents accidental uncoupling.

**B.** To Uncouple, rotate body sleeve for the pin to fit into the groove and pull the body sleeve back.

To order Safety Pin DF body, insert "P" in the ordering number. Example: DFBC-D-12T-P-SA

All dimensions shown are for reference only and subject to change. Dimensions with DK-Lok Tube Fitting are finger-tight position. We reserve the right to change specification stated in this catalog for our continuing program of product improvement.