

# 73 Series

Ultra High Pressure Quick Couplings  
1/4" Body Size



## Designed to Perform with Extreme System Pressures

Parker's 73 Series quick couplings are corrosion resistant stainless steel and available in a wide range of end fittings that are suitable for high pressure applications.

These heavy duty couplings can be configured to function as double shut-off (valved) or straight-through (plain) for maximum flow.

Applications include:

- Water jet
- Water blast
- Oil field injection
- Test systems



## Contact Information: 73 Series Features:

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- Rugged, heavy duty construction
- Operating pressures to 43,500 psi (3,000 bar)
- Stainless steel materials
- Double shut-off poppet valves or high flow straight-through option. Valved and plain cannot be used together

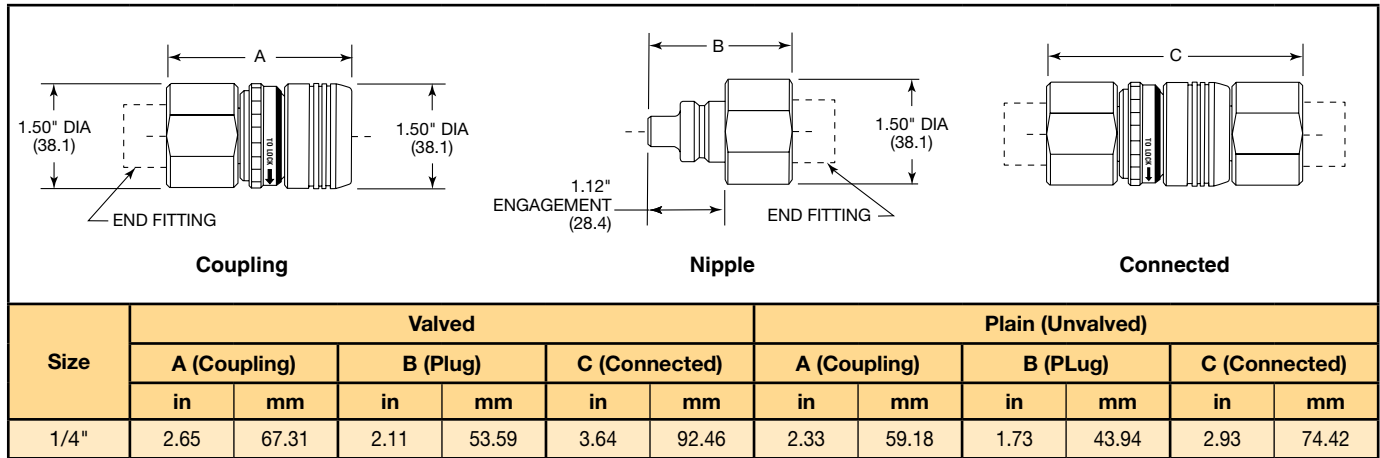
- Positive locking collar prevents accidental disconnection
- Available in 1/4" size



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# Technical and Dimensional Information

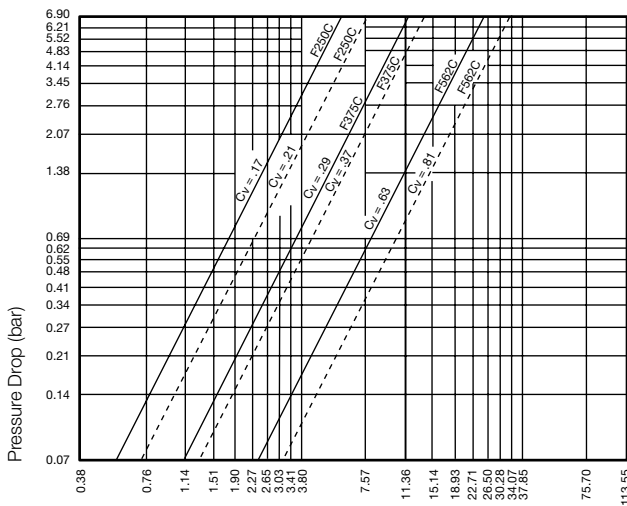
## Dimensions



## Pressure Ratings

Size	Stainless Steel			
	Maximum Working		Minimum Burst	
	psi	Bar	psi	Bar
1/4"	43,500	3000	87,000	6000

## Pressure Loss vs. Flow



Flow Rate in l/min

All flow/pressure loss values, including Cv factors, are with coupling halves with the same end fitting on each half, as shown.

- - - - - Plain Coupling
- Valved Coupling

# Technical and Dimensional Information

## End Fittings

Pressures to 10,000 psi (689 bar)							
1/4" NPTF				3/8" NPT			
Valved		Plain		Valved		Plain	
in	mm	in	mm	in	mm	in	mm
0.75	19.05	0.34	8.64	0.85	21.59	0.48	12.19

Pressures to 20,000 psi (1379 bar)															
3/8" MP SF375CX				9/16" MP SF562CX				3/8" MP SM 375CX				9/16" MP SM562CX			
Valved		Plain		Valved		Plain		Valved		Plain		Valved		Plain	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
0.75	19.05	0.31	7.87	0.85	21.59	0.41	10.41	0.88	22.35	0.88	22.35	1.00	25.40	1.00	25.40

Pressures to 43,500 psi (3000 bar)																							
1/4" HP F250C				1/4" HP M250C				3/4" REVERSE CONE (AUTOCLAVE RH12)				9/16" HP M562C				1" REVERSE CONE (AUTOCLAVE RH16)				9/16" REVERSE CONE (AUTOCLAVE RH9)			
Valved		Plain		Valved		Plain		Valved		Plain		Valved		Plain		Valved		Plain		Valved		Plain	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
0.45	11.43	0.00	0.00	0.69	17.53	0.69	17.53	0.63	16.00	0.63	16.00	1.12	28.45	1.12	28.45	0.78	19.81	0.78	19.81	0.50	12.70	0.50	12.70

## Ordering Information

**S P 73 C 4 SF562CX**

**Seals:**  
Blank = Nitrile  
E = Ethylene Propylene

**End Fitting Type\*:**

-4F = 1/4" Female NPTF  
-6F = 3/8" Female NPTF  
SF562CX = 9/16" Female Medium Pressure  
SF375CX = 3/8" Female Medium Pressure  
SM562CX = 9/16" Male Medium Pressure  
SM375CX = 3/8" Male Medium Pressure  
M562C = 9/16" High Pressure Male  
RH9 = 9/16" Reverse Cone  
RH12 = 3/4" Reverse Cone  
RH16 = 1" Reverse Cone  
F250C = 1/4" Female High Pressure  
M250C = 1/4" Male High Pressure

**Body Size:**

4 = 1/4"

**Body:**

C = Coupling  
N = Nipple

**Series:**

73

**Type:**

V = Valved  
P = Plain (without valve)

**Material:**

S = Stainless Steel

### Notes:

Only valved couplers can be used with valved nipples.  
Only plain (without valve) couplers can be used with plain nipples

\*Contact QCDE for availability of other end configurations.



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