



### Applications

Parker's 6100 Series, is a thread-to-connect low spill coupling that can be used in a wide range of industrial applications where connected under pressure is required. The 6100 is ideal for connecting hydraulic lines on oil field equipment like power tongs, swivels and mobile drilling rigs. It is also widely used on dump trailers to connect the tractor to wet-line hydraulic systems.

The 6100 Series is suitable for many applications where high flow connect under pressure couplings are required. Other uses include: submersible pumps, engine test stands, and bulk liquid CO2 transfer (Special part numbers apply – contact the Division).

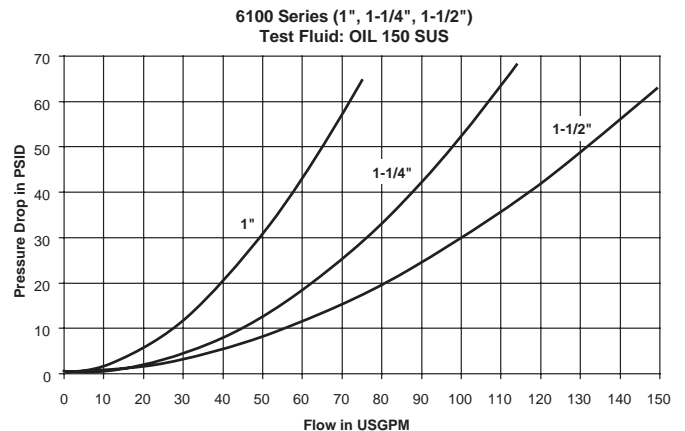
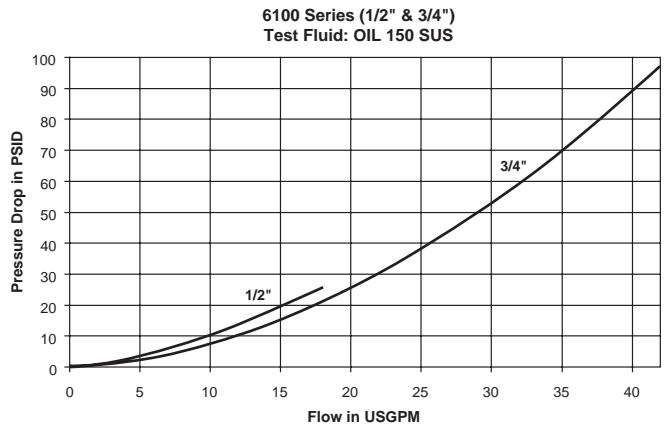
**Note:** Protective dust plugs and caps play a crucial role in the life of a quick coupling and no purchase of a hydraulic quick coupling is complete without the selection of an appropriate dust plug and cap. See pages noted in Table of Contents for dust plugs and caps for the Parker full line of hydraulic couplings.

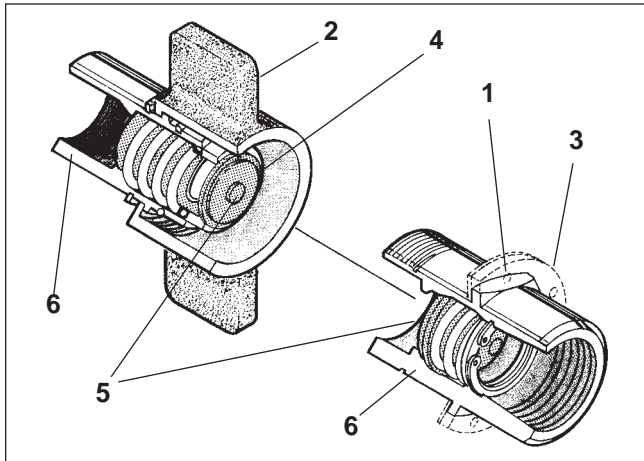
### Specifications

Body Size (in.)	3/4	3/4	1	1-1/4	1-1/2
Dash Number	-08	-12	-16	-20	-24
*Rated Pressure (PSI)					
Female Half	3000	3000	3000	2750	2000
Male Half	3000	3000	3000	2500	2500
Complete Coupling Assembly	3000	3000	3000	2750	2500
Rated Flow (GPM)	12	28	50	76	100
Temperature Range (std seals)	-40° to +250°F.				

\* Minimum burst pressure is equal to three times the rated pressure. Not recommended for continuous hydraulic impulse applications at rated pressures.

### Performance



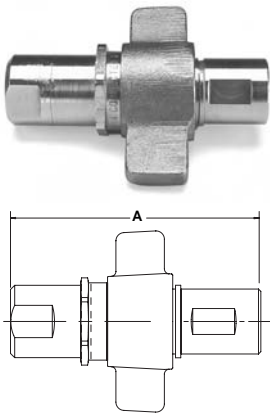


**Features**

1. The connection indicator, a Parker innovation, serves as a visual check for complete connection of the 6100 coupling. It helps prevent premature failures and leaks. It assures that the connection is complete and the valves fully open, eliminating unnecessary flow restriction. (see drawing on next page)
2. The Parker heavy-duty wing nut is ruggedly built specifically to withstand the hammer blows commonly used to tighten and loosen this coupler.
3. The flange is designed to give a positive “no-slip” bulkhead mounting to reduce downtime.
4. The bonded valve seal permits full pressure connect and disconnect—without seal washout.
5. The flush face valve keeps air inclusion and spillage to a minimum.
6. Corrosion resistant brass body makes this coupling compatible with a broad range of media and provides versatility.

**6100 Series**

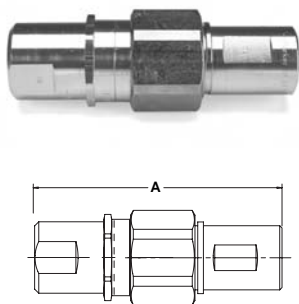
**Coupling with Wingnut**



Body Size (in.)	Thread Size NPTF	Part No. With Flange	Part No. Without Flange	Overall Connected Length	Wt. (LB.) P/Piece
<b>A</b>					
3/4	1/2-14	6100-08	6120-08	5.20	2.12
3/4	3/4-14	6100-12	6120-12	5.20	3.27
1	1-11 1/2	6100-16	6120-16	5.99	3.19
1 1/4	1 1/4-11 1/2	6100-20	6120-20	6.33	2.73
1 1/2	1 1/2-11 1/2	6100-24	6120-24	6.55	3.52

**6100 Series**

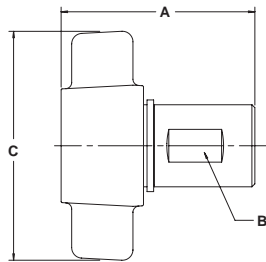
**Coupling with Hex Nut**



Body Size (in.)	Thread Size NPTF	Part No. With Flange	Part No. Without Flange	Overall Connected Length	Wt. (LB.) P/Piece
<b>A</b>					
3/4	1/2-14	6110-08	6130-08	5.20	1.89
3/4	3/4-14	6110-12	6130-12	5.20	1.83
1	1-11 1/2	6110-16	6130-16	5.99	2.93
1 1/4	1 1/4-11 1/2	6110-20	6130-20	6.33	4.12
1 1/2	1 1/2-11 1/2	6110-24	6130-24	6.55	5.95

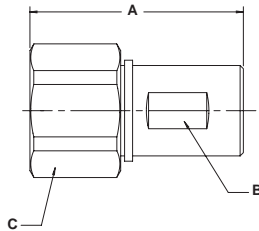
Couplers

Wing Nut



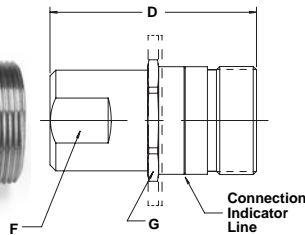
Body Size (in.)	Part No. Brass	Thread Size NPTF	Dimensions (in.)			Wt. (LB.) P/Piece
			Overall Length	Wrench Flats	Wing Nut	
			A	B	C	
3/4	6125-08	1/2-14	3.22	1.16	4.06	1.30
3/4	6125-12	3/4-14	3.22	1.16	4.06	1.26
1	6125-16	1-11 1/2	3.87	1.43	4.38	1.89
1 1/4	6125-20	1 1/4-11 1/2	4.16	1.78	5.20	2.84
1 1/2	6125-24	1 1/2-11 1/2	4.34	2.00	5.32	3.72

Hex Nut



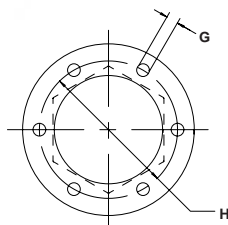
Body Size (in.)	Part No. Brass	Thread Size NPTF	Dimensions (in.)			Wt. (LB.) P/Piece
			Overall Length	Wrench Flats	Hex Size	
			A	B	C	
3/4	6135-08	1/2-14	3.22	1.16	1.75	1.07
3/4	6135-12	3/4-14	3.22	1.16	1.75	1.07
1	6135-16	1-11 1/2	3.87	1.43	2.13	1.63
1 1/4	6135-20	1 1/4-11 1/2	4.16	1.78	2.50	2.47
1 1/2	6135-24	1 1/2-11 1/2	4.34	2.00	2.75	3.15

Nipples



Body Size (in.)	Part No. Without Flange Brass	With Flange Brass	Thread Size NPTF	Dimensions (in.)			Wt. (LB.) P/Piece
				Overall Length	Hex Size	Wrench Flats	
				D	G	F	
3/4	6105-08	6115-08	1/2-14	3.11	1.62	1.18	0.82
3/4	6105-12	6115-12	3/4-14	3.11	1.62	1.18	0.76
1	6105-16	6115-16	1-11 1/2	3.55	1.88	1.56	1.30
1 1/4	6105-20	6115-20	1 1/4-11 1/2	3.71	2.13	1.88	1.65
1 1/2	6105-24	6115-24	1 1/2-11 1/2	4.12	2.50	2.18	2.61

Flanges



Body Size (in.)	Part No. Steel	Dimensions (in.)	
		Bolt Hole Diameter	Bolt Circle Diameter
		G	H
3/4	6107-08 (1 piece)	.208	2.125
1	6107-16 (1 piece)	.208	2.375
1 1/4	6107-20 (2 piece)	.208	2.625
1 1/2	6107-24 (2 piece)	.281	3.250



### Applications

The 8200 Series brings to the industry a proven design for use on construction equipment, forestry equipment, agricultural machinery, oil tools, steel mill machinery, and other demanding hydraulic applications.

**Note:** Protective dust plugs and caps play a crucial role in the life of a quick coupling and no purchase of a hydraulic quick coupling is complete without the selection of an appropriate dust plug and cap. See pages noted in Table of Contents for dust plugs and caps for the Parker full line of hydraulic couplings.

### Special Order Information

Standard seal material is Nitrile, other seal options are available. See Ordering Information at end of Section B and Fluid Compatibility Chart at end of this catalog for assistance in making seal selection.

### Features

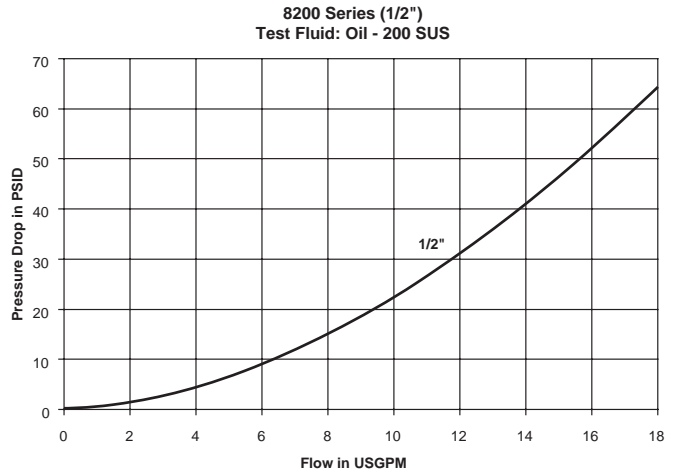
Parker 8200 Series couplings feature:

- Unique valve design permits connection while either or both the coupler and nipple are under pressure.
- Double acting sleeve for one handed push-to-connect operation when coupler is clamp or bulkhead mounted.
- Critical parts are hardened for durability.
- Dependable ball locking mechanism holds the mating halves together.
- Couplers and nipples are precision machined from solid bar stock.
- The mating 8010 series nipples meet ISO 5675 requirements.

### Specifications

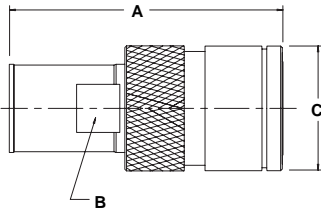
Body Size (in.)	1/2
Rated Pressure (PSI)	3000
Rated Flow (GPM)	12
Temperature Range (std seals)	-40° to +250°F

### Performance



### Couplers

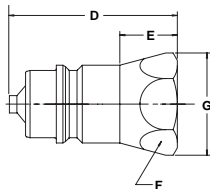
#### Female Thread



Body Size (in.)	Part No. Steel	Thread Size NPSF	Thread Size ORB	Dimensions (in.)			Wt. (LB.) P/Piece
				Overall Length	Wrench Flats	Largest Diameter	
				A	B	C	
1/2	8250-4	1/2-14	–	3.29	0.87	1.50	0.63
1/2	8250-15	–	3/4-16	3.29	0.87	1.50	0.63
1/2	8250-16	–	7/8-14	3.29	0.87	1.50	0.63

### Nipples

#### Female Thread



Body Size (in.)	Part No. Steel	Thread Size NPTF	Thread Size ORB	Dimensions (in.)				Wt. (LB.) P/Piece
				Overall Length	Exposed Length	Hex Size	Largest Diameter	
				D	E	F	G	
1/2	8010-4	1/2-14	–	1.95	1.09	1.06	1.23	0.20
1/2	8010-4P*	1/2-14	–	1.95	1.09	1.06	1.23	0.20
1/2	8010-15	–	3/4-16	2.06	1.20	1.06	1.23	0.20
1/2	8010-15P*	–	3/4-16	2.06	1.20	1.06	1.23	0.20
1/2	8010-16	–	7/8-14	2.05	1.18	1.06	1.23	0.25
1/2	8010-16P*	–	7/8-14	2.05	1.18	1.06	1.23	0.25

\* Poppet design

### Replacement Parts - 8200 Series

Body Size (in.)	Part Number	Description	Material
1/2	50005-211-0202	Q-Ring	Nitrile

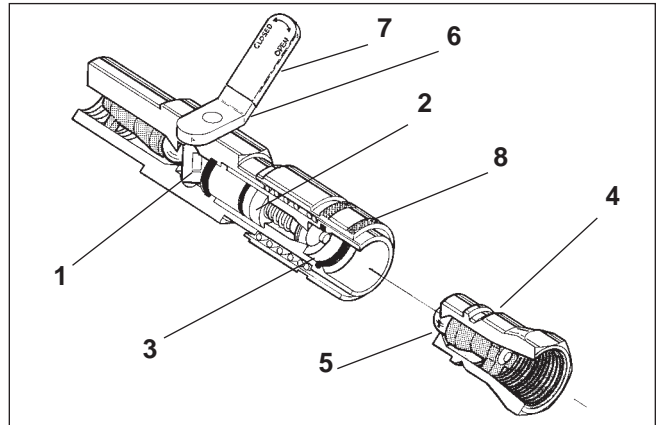
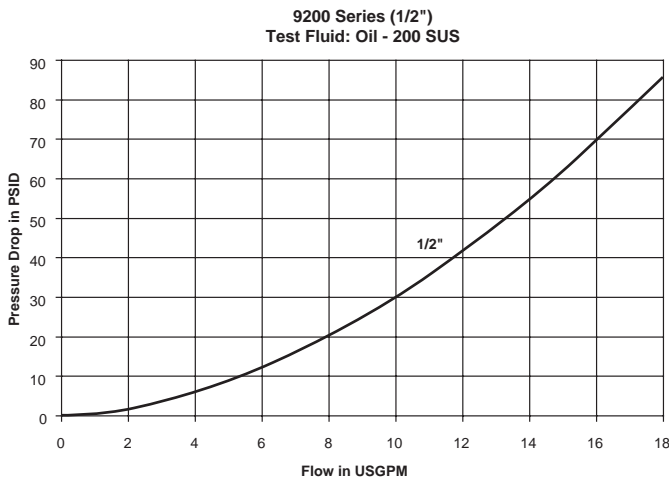


### Applications

The Parker 9200 lever coupling is designed with a lever-operated cam that opens and closes the valves in both coupling halves, positively locking them into place. This allows the couplings to be easily connected and disconnected while under pressure. The 9200 couplings can functionally replace a Double Shut-Off quick coupling and two high pressure ball valves. By simply turning the lever to the "closed" position the hydraulic lines on a piece of machinery or mobile equipment may be disconnected either for maintenance or equipment changeovers.

**Note:** Protective dust plugs and caps play a crucial role in the life of a quick coupling and no purchase of a hydraulic quick coupling is complete without the selection of an appropriate dust plug and cap. See pages noted in Table of Contents for dust plugs and caps for the Parker full line of hydraulic couplings.

### Performance



### Features

1. The lever operates a cam that mechanically locks both valves into either the "open" or "closed" position.  
 "Closed," the flow is shut off at the coupler, allowing easy zero-pressure connect and disconnect.  
 "Open," the valves are locked in the open position in both coupler and nipple. In this position the valves are unaffected by hydraulic surges.
2. Parker design eliminates back flow-checking. The positive lock of the cam prevents hydraulic surges from forcing the valve closed, which avoids flow checking and disrupting equipment performance.
3. Valves close automatically if coupling is accidentally disconnected.
4. The 8010 Series nipples used with the 9200 coupler is an industry standard that meets ISO 5675 requirements.
5. Rugged, reliable ball valve and induction hardened locking ball groove prevent Brinelling and prolong coupling life.
6. Turning the lever without the nipple in place will NOT result in oil flow.
7. The Lever Coupler is covered by patent numbers: #3680591 and #4009729.
8. New easy action sleeve aids connect and disconnect.

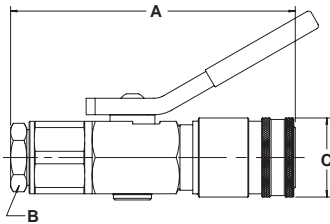
### Specifications

Body Size (in.)	1/2
Rated Pressure (PSI)	3000
Rated Flow (GPM)	12
Temperature Range (std seals)	-40° to +250° F

# Hydraulic Quick Couplings

# Connect Under Pressure Couplings 9200 Series

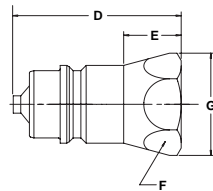
## Couplers



Body Size (in.)	Part No. Steel	Thread Size NPTF	Dimensions (in.)		Overall Length	Wrench Flats	Largest Diameter	Wt. (LB.) P/Piece	
			ORB						
					A	B	C		
1/2	9250-4-320	1/2-14	–		5.37	1.13	1.50	2.02	
1/2	9250-6-320	–	9/16-18		5.37	1.13	1.50	2.04	
1/2	9250-15-320	–	3/4-16		5.37	1.13	1.50	2.06	
1/2	9250-16-320	–	7/8-14		5.37	1.13	1.50	1.98	
*1/2	9250-334	–	9/16-18		5.37	1.13	1.50	2.15	

\* Mates with the 1/4" 60 Series Nipples.

## Nipples



Body Size (in.)	Part No. Steel	Thread Size NPTF	Thread Size ORB	Overall Length	Dimensions (in.)				Wt. (LB.) P/Piece	
					Exposed Length	Hex Size	Largest Diameter			
					D	E	F	G		
1/2	8010-4	1/2-14	–	1.95	1.09	1.06	1.23	0.20		
1/2	8010-4P*	1/2-14	–	1.95	1.09	1.06	1.23	0.20		
1/2	8010-15	–	3/4-16	2.06	1.20	1.06	1.23	0.20		
1/2	8010-15P*	–	3/4-16	2.06	1.20	1.06	1.23	0.20		
1/2	8010-16	–	7/8-14	2.05	1.18	1.06	1.23	0.25		
1/2	8010-16P*	–	7/8-14	2.05	1.18	1.06	1.23	0.25		

\* Poppet design

## Replacement Parts

### 9200 Series

Body Size (in.)	1/2
O-Rings - Nitrile	50001-211-0260



### Applications

The Parker 5000 Series is an economical coupling that is a threaded union and can be connected under pressure with tools. For applications that require a coupling to be connected under-pressure and where tools can be used to make the connection, the 5000 Series coupling should be considered.

**Note:** Protective dust plugs and caps play a crucial role in the life of a quick coupling and no purchase of a hydraulic quick coupling is complete without the selection of an appropriate dust plug and cap. See pages noted in Table of Contents for dust plugs and caps for the Parker full line of hydraulic couplings.

### Specifications

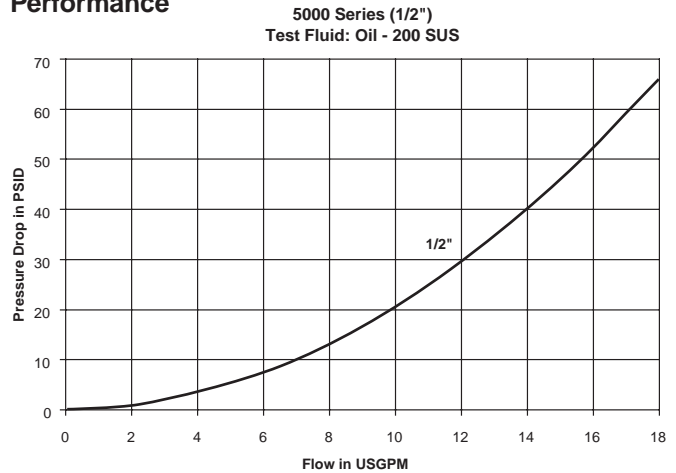
Body Size (in.)	1/2
Rated Pressure (PSI)	2500
Rated Flow (GPM)	12
Temperature Range (std seals)	-40° to +250°F

### Features

The Parker 5000 Series coupling features:

- Two-piece coupler body that permits operation while one or both halves are under pressure as well as when there is no pressure in either half.
- Connect under pressure by unscrewing the valve body until two or three threads are visible.
- Nipple can be inserted and locked into the coupler without opening either valve. (Use a wrench to thread the valve body back into the coupler, the valves are opened against internal pressure. If internal pressure makes manual disconnect difficult, unscrewing the valve body from the coupler will permit the valves to close, thereby relieving internal pressure and allowing manual operation of the ball-locking sleeve.)
- The mating 8010 series nipples meet ISO 5675 requirements.

### Performance





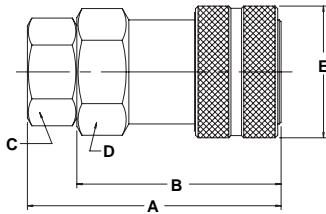
# Hydraulic Quick Couplings

## Connect Under Pressure Couplings 5000 Series

### Coupler



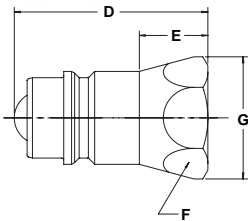
Body Size (in.)	Part No. Steel	Thread Size NPTF	Overall Length	Dimensions (in.)				Largest Diameter	Wt. (LB.) P/Piece
				Length	Wrench Flats	Wrench Flats			
			A	B	C	D	E		
1/2	5050-4	1/2-14	2.88	2.32	1.06	1.25	1.52	2.58	



### Nipple



Body Size (in.)	Part No. Steel	Thread Size NPTF	Dimensions (in.)					Largest Diameter	Wt. (LB.) P/Piece
			ORB	Overall Length	Exposed Length	Hex Size			
				D	E	F	G		
1/2	8010-4	1/2-14	—	1.95	1.09	1.06	1.23	0.20	
1/2	8010-15	—	3/4-16	2.06	1.20	1.06	1.23	0.20	
1/2	8010-16	—	7/8-14	2.05	1.18	1.06	1.23	0.20	



### Replacement Parts 5000 Series

Body Size (in.)	1/2
O-Rings - Nitrile	50001-211-0260