



Body Size

**1/4" and 3/8"**

700 bar

**3000-Series****Technical Description**

High pressure coupler up to 700 bar. Screw locking mechanism.

**Advantages**

- Screw type locking mechanism - high resistance to mechanical and hydraulic strengths.
- Ball or poppet valving configurations can be connected together with reduced impact on the flow capacities.

**Applications**

- Portable hydraulic rams
- Hydraulic jacks, rams and clamping devices
- Clamping hand tools
- Rescue equipment

**Working Temperature**

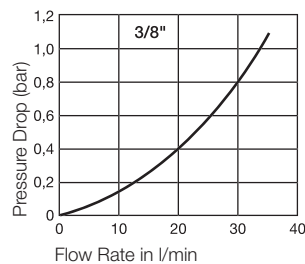
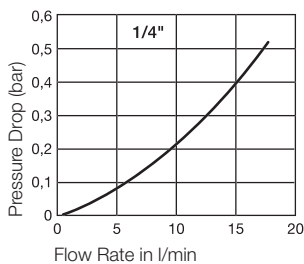
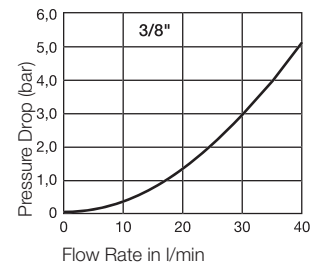
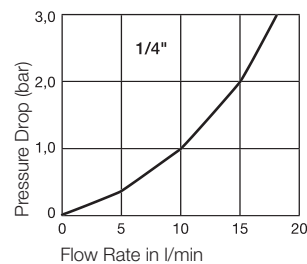
-30°C up to +110°C (NBR)  
-30°C up to +80°C (Polyurethane)  
depending on the medium.  
Special seals are available on request (see page 6).

**Working Pressure**

Body Size	Max. Operating Pressure Connected
1/4"	700 bar
3/8"	700 bar

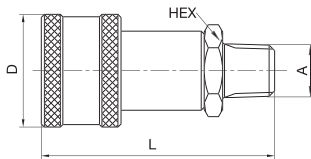
Material Coupling	Standard
Coupling Body	Steel
Sleeve	Steel
Valve	Steel
Springs	Steel
Seals 1/4"	NBR
Seals 3/8"	Polyurethane
Thread Body	Steel
Material Plug	Standard
Plug Body	Steel
Valve	Steel
Seals 1/4"	NBR
Seals 3/8"	Polyurethane
Seals	NBR
Valve Holder	Steel

Stainless steel version with BSP thread available on request.

**Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000****Ball Valving****Poppet Valving**

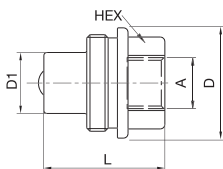
## Couplings

## 3000-Series

	Body Size	Connection A	Hex	L mm	D mm	D1 mm	Valving	Weight gr.	Part Number
 <p>Male NPTF Thread</p>	1/4"	1/4"	22 mm	60,5	28,5		Ball	115	3050-2
	1/4"	1/4"	22 mm	60,5	29		Poppet	121	3050-2P
	3/8"	3/8"	24 mm	72	35		Ball	220	3050-3
	3/8"	3/8"	1"	73	35		Poppet	225	3050-3P


## Plugs

## 3000-Series

	Body Size	Connection A	Hex mm	L mm	D mm	D1 mm	Valving	Weight gr.	Part Number
 <p>Female NPTF Thread</p>	1/4"	1/4"	19	32	28	15,8	Ball	70	3010-2
	1/4"	1/4"	27	32	31	15,8	Poppet	85	3010-2P
	3/8"	3/8"	32	38	35	19,0	Ball	115	3010-3
	3/8"	3/8"	32	35	36,8	19,0	Poppet	110	3010-3P


## Dust Protection

## 3000-Series

	Body Size	Version	Part Number
	1/4"	for coupling	3005-2
	3/8"	for coupling	3005-3
	1/4"	for plug	3009-2
	3/8"	for plug	3009-3

## Seal-Kit

## 3000-Series

	Body Size	Material	Part Number
	1/4"	NBR	JT020114N0552
	3/8"	Polyurethane	JT01U28-18.72QE



Body Size

1/4"

800 bar

## FF2500-Series



## Applications Area



## Technical Description

The coupling system of the FF series has double shut-off, dry break and single-handed operation. During uncoupling there is no oil loss, and during coupling there is no inclusion of air into the system.

## Advantages

- Dry break quick connect coupling with minimum pressure drop.
- Single-handed operation.
- No oil loss during uncoupling.
- A safety closing ring prevents unintentional disconnection.
- Twice as safe through double sealing.
- Also available with pressure eliminator, i.e. connection is possible under static/residual pressure up to working pressure.

## Working Pressure

See charts.

## Working Temperature

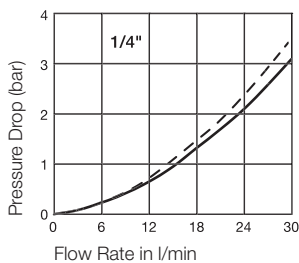
-30°C up to +100°C (NBR) depending on the medium. Special seals are available on request (see page 6).

## Available Valves



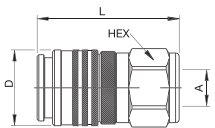
Material Coupling	Standard / Pressure Eliminator
Coupling Body	Steel, nitrocarburizing
Sleeve	Steel hardened, zinc plated, passivated, sealed
Looking Ring	Brass, Zinc-iron coated, black passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 301
Locking Balls	AISI 420 C
Seals	NBR/PUR
Valve Holder	Steel, yellow zinc plated, sealed
Thread Body	Steel, zinc plated, passivated, sealed
Material Plug	Standard / Pressure Eliminator
Plug Body	Steel hardened, zinc plated, passivated, sealed
Valve	Steel, nitrocarburizing
Springs	AISI 301
Seals	NBR/PUR
Valve Holder	Brass, hard-drawn
Thread Body	Steel, zinc plated, passivated, sealed

## Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



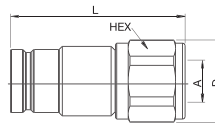
## Couplings

## FF2500-Series

	Body Size	Connection A	Hex mm	L mm	D mm	Working Press. connect. in bar	Version	Seal	Part Number
 <p>Female Thread</p>	1/4"	G 1/4	27	65	30	800	Standard	NBR/PUR	FF2510

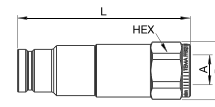
## Plugs

## FF2500-Series

	Body Size	Connection A	Hex mm	L mm	D mm	Working Press. connect. in bar	Version	Seal	Part Number
 <p>Female Thread</p>	1/4"	G 1/4	25	74	28	800	Standard	NBR/PUR	FF2520

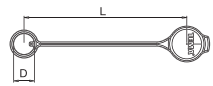
## Plugs

## FF2500-Series

	Body Size	Connection A	Hex mm	L mm	D mm	Working Press. connect. in bar	Version	Seal	Part Number
 <p>Female Thread</p>	1/4"	G 1/4	25	99,2	28	800	Press. Eliminator	NBR/PUR	FF2521

## Dust Protection

## FF2500-Series

	Body Size	Version	L mm	D mm	Material	Color	Part Number
	1/4"	for coupling	190	24	PVC	Blue	FF2516
	1/4"	for plug	190	24	PVC	Blue	FF2526

## Seal-Kit

## FF2500-Series

Body Size	Version	Material	Part Number
1/4"	for plugs	NBR	FF2500-PSNPU



Body Size

1/4"

1000 bar

# HP1000-Series



### Technical Description

The Tema high pressure coupling was specially developed for use in industrial machinery, salvage devices and testing equipment. This series is galvanised and produced in steel. The plug part and the sleeve are hardened and galvanised in steel. The coupling can be supplied either with or without safety lock.

### Advantages

- High flow as a result of optimised valve design.
- Additional plug sealing via polymer valve casing, to guarantee high reliability seals even with second-hand plugs.
- Tema high pressure couplings are supplied with dust caps inclusive!

### Seals

Coupling: bonded seal washer  
Plug: bonded seal or innercone

### Working Pressure

1000 bar

### Working Temperature

-30°C up to +100°C (NBR) depending on the medium. Special seals are available on request (see page 6).

### Available Valves

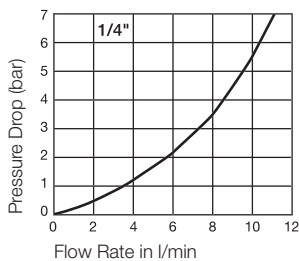


### Applications Area



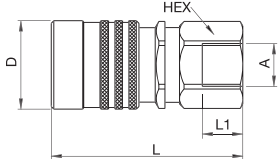
Material Coupling	Standard
Coupling Body	Steel, zinc plated, passivated, sealed
Sleeve	Steel, hardened, zinc plated, passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 302
Locking Balls	AISI 420 C
Seals	NBR
Inner Sleeve	POM
Plug	Standard
Plug Body	Steel, hardened, zinc plated, passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 302
Seals	NBR
Valve Retainer	Steel, zinc plated, passivated

### Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



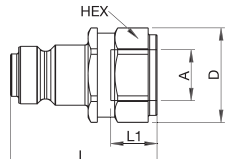
## Couplings

## HP1000-Series

	Conne- ction A	Hex mm	L mm	L1 mm	D mm	Safety Locking	Work. Pressure connect. in bar	Work. Pressure disconnect. in bar	Burst. Pressure connect. in bar	Part Number
 <p>Female Thread</p>	G 1/4	24	59	12	27	without	1000	1000	>3000	HP1010 4131
	G 1/4	24	59	12	27	with	1000	1000	>3000	HP1010 4132
	1/4"-18 NPTF	24	59	12	27	without	1000	1000	>3000	HP1010 5131
	1/4"-18 NPTF	24	59	12	27	with	1000	1000	>3000	HP1010 5132
	G 3/8	24	59	12	27	without	1000	1000	>3000	HP1010 4171
	G 3/8	24	59	12	27	with	1000	1000	>3000	HP1010 4172
	3/8"-18 NPTF	24	59	13	27	without	1000	1000	>3000	HP1010 5171
	3/8"-18 NPTF	24	59	13	27	with	1000	1000	>3000	HP1010 5172


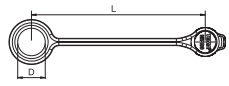
## Plugs

## HP1000-Series

	Conne- ction A	Hex mm	L mm	L1 mm	D mm	Safety Locking	Work. Pressure connect. in bar	Work. Pressure disconnect. in bar	Burst. Pressure connect. in bar	Part Number	
 <p>Female Thread</p>	G 1/4	22	37	12	24,5		1000	1000	>3000	HP1020 413	
	1/4"-18 NPTF	22	37	12	24,5		1000	1000	>3000	HP1020 513	
	G 3/8	24	37	12	24,5		1000	1000	>3000	HP1020 417	
	3/8"-18 NPTF	24	37	13	24,5		1000	1000	>3000	HP1020 517	

## Dust Protection

## HP1000-Series

	Version	L mm	D mm	Material	Color	Part Number
	for coupling	120	21	PVC	Blue	HP16
	for coupling	125		Aluminium	Red	HP16ARD
	for plug	120	19	PVC	Blue	HP26
	for plug	140		Aluminium	Red	HP26ARD



Body Size

1/4"

1500 bar

# HP1500-Series



### Technical Description

The Tema high pressure coupling was specially developed for use in bolt tensioning equipment. This series is produced in steel. The plug bodies and the sleeves are black galvanised. The coupling can be supplied either with or without additional safety lock.

### Advantages

- High flow as a result of optimised valve design.
- Additional plug sealing via polymer valve casing, to guarantee high reliability seals even with second-hand plugs.
- Tema high pressure couplings are supplied with dust caps inclusive!

### Seals

Metal sealing cone threaded adapters/metal sealing cone adapters.

### Working Pressure

1500 bar

### Working Temperature

-30°C up to +100°C (NBR) depending on the medium. Special seals are available on request (see page 6).

### Available Valves

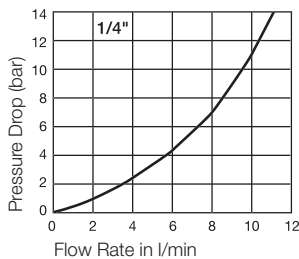


### Applications Area



Material Coupling	Standard
Coupling Body	Steel, zinc-nickel coated, black passivated, sealed
Sleeve	Steel, hardened, zinc-iron coated, black passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 302
Locking Balls	AISI 420 C
Seals	NBR
Inner Sleeve	POM
Plug	Standard
Plug Body	Steel, hardened, zinc-iron coated, black passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 302
Seals	NBR
Valve Retainer	Steel, zinc plated, passivated

### Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000

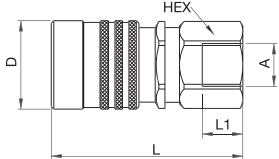
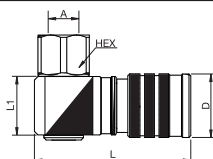


# Couplings

# HP1500-Series

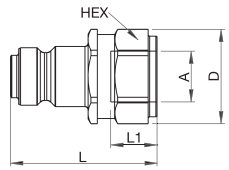
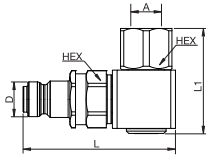
1500 bar

High Pressure

	Conne- ction A	Hex mm	L mm	L1 mm	D mm	Safety Locking	Work. Pressure connect. in bar	Work. Pressure disconnect. in bar	Burst. Pressure connect. in bar	Part Number
 <p>Female Thread</p>	G 1/4	24	59	12	27	without	1500	1500	>3500	HP1510 4131
	G 1/4	24	59	12	27	with	1500	1500	>3500	HP1510 4132
	1/4"-18 NPTF	24	59	12	27	without	1500	1500	>3500	HP1510 5131
	1/4"-18 NPTF	24	59	12	27	with	1500	1500	>3500	HP1510 5132
	G 3/8	24	59	12	27	without	1500	1500	>3500	HP1510 4171
	G 3/8	24	59	12	27	with	1500	1500	>3500	HP1510 4172
 <p>Female Thread 90°</p>	G 1/4	22	67	45	27,2	with	1500	1500	>3500	HP1510 4131S90

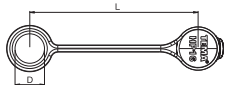
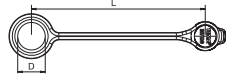
# Plugs

# HP1500-Series

	Conne- ction A	Hex mm	L mm	L1 mm	D mm	Safety Locking	Work. Pressure connect. in bar	Work. Pressure disconnect. in bar	Burst. Pressure connect. in bar	Part Number
 <p>Female Thread</p>	G 1/4	22	38	12	24,5		1500	1500	>3500	HP1520 413
	1/4"-18 NPTF	22	38	12	24,5		1500	1500	>3500	HP1520 513
 <p>Female Thread 90°</p>	G 1/4	22	65	45	14,9		1500	1500	>3500	HP1520 413S90

# Dust Protection

# HP1500-Series

	Version	L mm	D mm	Material	Color	Part Number
	for coupling	120	21	PVC	Blue	HP16
	for coupling	125	21	Aluminium	Red	HP16ARD
	for plug	120	19	PVC	Blue	HP26
	for plug	140	19	Aluminium	Red	HP26ARD





Body Size

1/4"

2500 bar

# HP2500-Series



### Technical Description

The Tema high pressure coupling was specially developed for use in industrial machinery, salvage devices and testing equipment. The coupling can be supplied with or without safety lock.

### Advantages

- High flow as a result of optimised valve design.
- Tema high pressure couplings are supplied with dust caps inclusive!
- Dry break – no oil loss during disconnection and no inclusion of air during connection.
- Plug can withstand static pressure disconnected up to full working pressure.

### Working Pressure

2500 bar

### Working Temperature

-30°C up to +100°C (NBR) depending on the medium. Special seals are available on request (see page 6).

### Flow Capacity

4.5 l/min @ 4 bar dP

### Available Valves

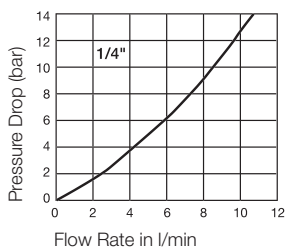


### Applications Area



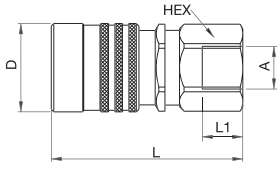
Material Coupling	Standard
Coupling Body	Steel, zinc plated, passivated, sealed
Back Body	Steel, zinc plated, passivated, sealed
Sleeve	Steel, hardened, zinc plated, passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 302
Locking Balls	AISI 420 C
Seals	NBR
Inner Sleeve	POM
Plug	Standard
Plug Body	Steel, hardened, zinc-nickel plated, passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 302
Seals	NBR
Valve Retainer	Steel, zinc plated, passivated

### Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



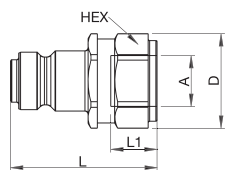
## Couplings

## HP2500-Series

	Conne- ction A	Hex mm	L mm	L1 mm	D mm	Safety Locking	Work. Pressure connect. in bar	Work. Pressure disconnect. in bar	Burst. Pressure connect. in bar	Part Number
 <p>Female Thread</p>	G 1/4	24	64	12	30	without	2500	2500	>5000	HP2510 4131

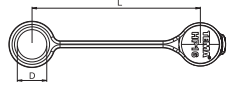
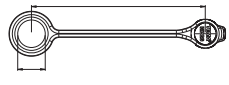
## Plugs

## HP2500-Series

	Conne- ction A	Hex mm	L mm	L1 mm	D mm	Safety Locking	Work. Pressure connect. in bar	Work. Pressure disconnect. in bar	Burst. Pressure connect. in bar	Part Number
 <p>Female Thread</p>	G 1/4	22	38	12	24,5		2500	2500	>5000	HP2520 413

## Dust Protection

## HP2500-Series

	Version	L mm	D mm	Material	Color	Part Number
	for coupling	120	21	PVC	Blue	HP161
	for plug	120	19	PVC	Blue	HP 26

Up to 2000 bar

# Adapters HP-Series



### Technical Description

Range of adapters developed for HP1000 and HP1500 series. To achieve other thread ports then existing in the standard range.

### Advantages

The adapters makes the HP series more flexible and easy to connect to different fittings and hose packages.

### Seals

See chart.

### Working Pressure

Various - from 1000 to 2000 bar

### Working Temperature

-30°C up to +100°C

Material	Standard
Adapters	Steel, Zinc plated and passivated

## High Pressure Adapters

	Connec- tion A1	Seal 1	Connection A2	Seal 2	Hex mm	L mm	Working Pressure bar	Part Number
	G 1/4	Rubber / Steel				25	1000	HP13-01
	G 1/4	Rubber / Steel	R 1/4	Inside Thread	21	33	1000	HP13-03
	G 1/4	Rubber / Steel	3/8-18 NPTF	Inside Thread	21	34	1500	HP13-04
	G 1/4	Rubber / Steel				25	1500	HP13-06
	G 1/4	Inner Cone 60°	G 1/4	Inner Cone 60°	21	31,3	2000	HP13-07





Body Size

**1/4"**

1379 bar

**77-Series****Technical Description**

Parker Snap-tite 77 series is designed for working pressures up to 1379 bar. Available in stainless steel.

**Advantages**

- Drybreak with minimal fluid loss
- Wide range of end fittings
- Dog-lock mechanism preventing ball brinnelling
- Internal sleeve-lock as safety feature

**Applications**

- Hydraulic test stands
- Hydrotesting
- Offshore drilling & Production

**Working Pressure**

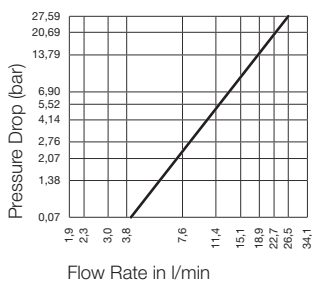
See charts.

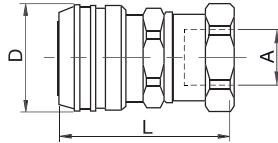
**Working Temperature**

- 35°C up to +120°C (NBR)
  - 26°C up to +204°C (FKM)
  - 56°C up to +120°C (EPR)
- depending on the medium.

77-Series is also available with FKM or EPR seal. Add the suffix **V** for FKM and the suffix **E** for EPR to the part number, e.g. **S77C4-4FV**.

Material Coupling	Stainless Steel
Coupling Body	AISI 316 dual certified
Sleeve	AISI 316 dual certified
Back-up Ring	Delrin
Valve	AISI 316 controlled strength
Springs	17-7
Dog Locks	AISI 316
Seals	NBR
Valve Holder	AISI 316 controlled strength
Material Plug	Stainless Steel
Plug Body	AISI 316 controlled strength
Valve	AISI 316 controlled strength
Springs	17-7
Seals	NBR
Valve Holder	AISI 316 controlled strength

**Flow Capacity with MIL-H-6083 Hydraulic Fluid at 32°C +/-1,5°C**

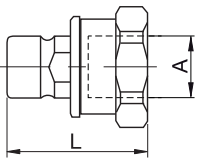


Female Thread

Body Size	Connection A	L mm	D mm	Weight kg	Max. Operating Pressure in bar	Part Number
1/4"	1/4-18 NPTF	80,82	36,58	0,55	689	S77C4-4F
1/4"	9/16-18 UNF-2B	80,82	36,58	0,55	1379	S77C4-SF375CX
1/4"	13/16-16 UNF-2B	83,36	36,58	0,55	1379	S77C4-SF562CX
1/4"	9/16-18 UNF-2A	84,12	36,58	0,55	1379	S77C4-SM375CX
1/4"	13/16-16 UNF-2A	87,17	36,58	0,55	1379	S77C4-SM562CX
1/4"	9/16-18 UNF-2B	73,20	36,58	0,55	1379	S77C4-F250C
1/4"	9/16-18 UNF-2A	79,30	36,58	0,55	1379	S77C4-M250C
1/4"	3/4-16 UNF-2A	77,77	36,58	0,55	1379	S77C4-RH12
1/4"	1 1/8"-12 UNF-2A	90,22	36,58	0,55	1379	S77C4-M562C
1/4"	9/16-18 UNF-2A	74,47	36,58	0,55	1379	S77C4-RH9
1/4"	1-12 UNF-2A	81,58	36,58	0,55	1379	S77C4-RH16

## Plugs

## 77-Series Stainless Steel

	Body Size	Connection A	L mm	D mm	Weight kg	Max. Operating Pressure in bar	Part Number
 <p>Female Thread</p>	1/4"	1/4-18 NPTF	63,20		0,20	689	S77N4-4F
	1/4"	9/16-18 UNF-2B	63,20		0,20	1379	S77N4-SF375CX
	1/4"	13/16-16 UNF-2B	65,74		0,20	1379	S77N4-SF562CX
	1/4"	9/16-18 UNF-2A	66,50		0,20	1379	S77N4-SM375CX
	1/4"	13/16-16 UNF-2A	69,55		0,20	1379	S77N4-SM562CX
	1/4"	9/16-18 UNF-2B	55,58		0,20	1379	S77N4-F250C
	1/4"	9/16-18 UNF-2A	61,68		0,20	1379	S77N4-M250C
	1/4"	3/4-16 UNF-2A	60,15		0,20	1379	S77N4-RH12
	1/4"	1 1/8"-12 UNF-2A	72,60		0,20	1379	S77N4-M562C
	1/4"	9/16-18 UNF-2A	56,85		0,20	1379	S77N4-RH9
	1/4"	1-12 UNF-2A	63,96		0,20	1379	S77N4-RH16







Body Size

**1/4"**

3000 bar

**73-Series****Technical Description**

Parker Snap-tite 73 series is designed for working pressures up to 3000 bar. Available in stainless steel.

**Advantages**

- Heavy duty construction for high pressures
- Positive locking collar to prevent accidental disconnection

**Applications**

- Waterjet
- Waterblast
- Oilfield injection
- High pressure test systems

**Working Pressure**

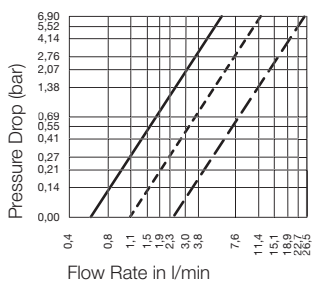
See charts.

**Working Temperature**

-26°C up to +204°C (FKM)  
-56°C up to +120°C (EPR)  
depending on the medium.

73-Series is also available with EPR seal.  
Add the suffix **E** for EPR to the part number, e.g. **SV73C4-4FE**.

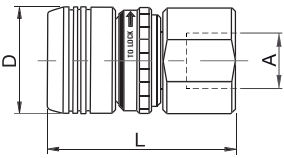
Material Coupling	Stainless Steel
Coupling Body	15-5 PH
Sleeve	15-5 PH
Back-up Ring	Nylon
Valve	AISI 316
Springs	AISI 302/ 17-7
Locking Balls	440 C
Seals	FKM
Valve Holder	AISI 316
Adaptor	15-5 PH
Plug	Stainless Steel
Plug Body	15-5 PH
Valve	AISI 316
Springs	AISI 302
Seals	Nylon
Valve Holder	AISI 316
Adaptor	15-5 PH

**Flow Capacity with Water**

— F250C  
- - - F375C  
- · - F562C

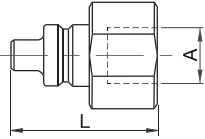
## Couplings

## 73-Series Stainless Steel

	Body Size	Connection A	L mm	D mm	Weight kg	Max. Operating Pressure in bar	Part Number
 <p>Female Thread</p>	1/4"	1/4-18 NPTF	86,36	38,10	0,60	689	SV73C4-4F
	1/4"	9/16-18 UNF-2B	86,36	38,10	0,60	1379	SV73C4-SF375CX
	1/4"	13/16-16 UNF-2B	88,90	38,10	0,60	1379	SV73C4-SF562CX
	1/4"	9/16-18 UNF-2A	89,66	38,10	0,60	1379	SV73C4-SM375CX
	1/4"	13/16-16 UNF-2A	92,71	38,10	0,60	1379	SV73C4-SM562CX
	1/4"	9/16-18 UNF-2B	78,74	38,10	0,60	3000	SV73C4-F250C
	1/4"	9/16-18 UNF-2A	84,84	38,10	0,60	3000	SV73C4-M250C
	1/4"	3/4-16 UNF-2A	83,31	38,10	0,60	3000	SV73C4-RH12
	1/4"	1-1/8"-12 UNF-2A	95,76	38,10	0,60	3000	SV73C4-M562C
	1/4"	9/16-18 UNF-2A	80,01	38,10	0,60	3000	SV73C4-RH9
	1/4"	1-12 UNF-2A	87,12	38,10	0,60	3000	SV73C4-RH16

## Plugs

## 73-Series Stainless Steel

	Body Size	Connection A	L mm	D mm	Weight kg	Max. Operating Pressure in bar	Part Number
 <p>Female Thread</p>	1/4"	1/4-18 NPTF	72,64		0,30	689	SV73N4-4F
	1/4"	9/16-18 UNF-2B	72,64		0,30	1379	SV73N4-SF375CX
	1/4"	13/16-16 UNF-2B	75,18		0,30	1379	SV73N4-SF562CX
	1/4"	9/16-18 UNF-2A	75,94		0,30	1379	SV73N4-SM375CX
	1/4"	13/16-16 UNF-2A	78,99		0,30	1379	SV73N4-SM562CX
	1/4"	9/16-18 UNF-2B	65,02		0,30	3000	SV73N4-F250C
	1/4"	9/16-18 UNF-2A	71,12		0,30	3000	SV73N4-M250C
	1/4"	3/4-16 UNF-2A	69,59		0,30	3000	SV73N4-RH12
	1/4"	1-1/8"-12 UNF-2A	82,04		0,30	3000	SV73N4-M562C
	1/4"	9/16-18 UNF-2A	66,29		0,30	3000	SV73N4-RH9
	1/4"	1-12 UNF-2A	73,40		0,30	3000	SV73N4-RH16