



Body Size

3/8" up to 1"

Tema Profile

SCFF-Series

**Technical Description**

Heavy duty Screw-to-Connect type of couplings for demanding applications with flat face valves to avoid spillage and protect the environment. Best in class flow and burst values, integrated swivel function. Quicker connection with double started ACME thread and available with pressure eliminator in plug on request.

Advantages

- Good resistance to vibrations and mechanical stress
- No fluid loss during connection and disconnection
- Efficient and safe
- Quick and easy connection
- Locking system prevents accidental disconnection
- Connectable up to full working pressure with pressure eliminator

Working Pressure

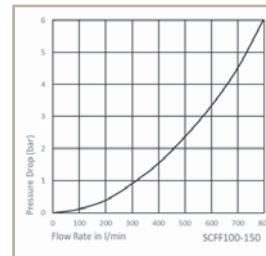
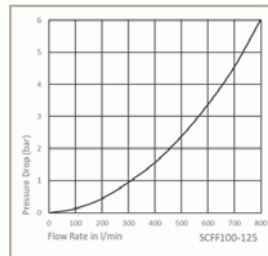
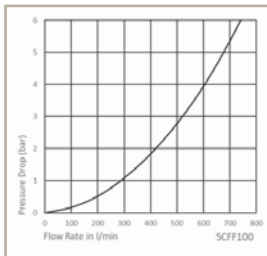
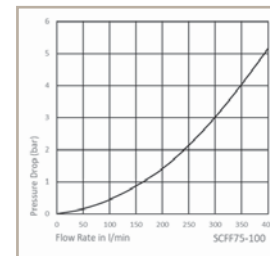
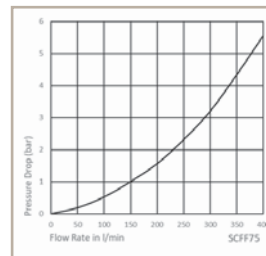
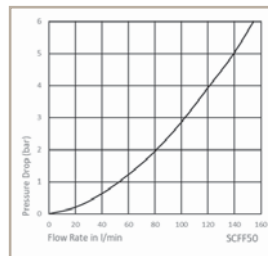
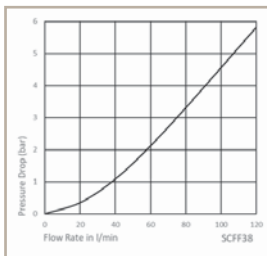
3/8" up to 550 bar
1/2" up to 500 bar
3/4" up to 500 bar
1" up to 420 bar

Working Temperature

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

Applications Area

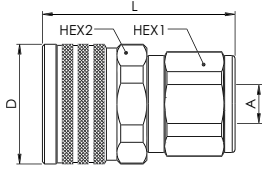
Material Coupling	Standard / Pressure Eliminator
Coupling Body	Steel, ZnNi plated
Sleeve	Steel, ZnNi plated
Back-up Ring	PTFE
Valve	Steel, ZnNi plated
Springs	AISI 301
Swivel Balls	Steel
Seals	NBR
Valve Holder	Steel
Plug	Standard / Pressure Eliminator
Plug Body	Steel, ZnNi plated
Valve	Steel, ZnNi plated
Springs	AISI 301
Seals	NBR/PUR
Valve Holder	Steel, ZnCr3 plated

Pressure Drop Curves

Couplings

SCFF-Series

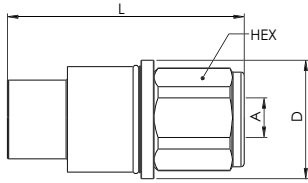
Body Size	Connection A	Hex 1 mm	Hex 2 mm	L mm	D mm	Working Press. connect. in bar	Part Number
3/8"	G 3/8	36	40	75,5	42	550	SCFF3810
1/2"	G 1/2	40	45	80,5	47	500	SCFF5010
3/4"	G 3/4	50	55	96,5	58	500	SCFF7510
3/4"	G 1	50	55	104,5	58	500	SCFF7510-100
1"	G 1	65	75	129,0	80	420	SCFF10010
1"	G 1 1/4	65	75	129,0	80	420	SCFF10010-125
1"	G 1 1/2	65	75	129,0	80	420	SCFF10010-150



Plugs

SCFF-Series

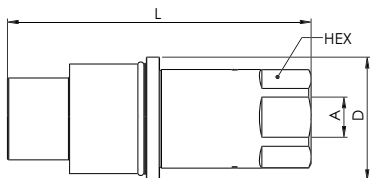
Body Size	Connection A	Hex mm	L mm	D mm	Working Press. connect. in bar	Part Number
3/8"	G 3/8	32	79	40	550	SCFF3820
1/2"	G 1/2	36	86	43	500	SCFF5020
3/4"	G 3/4	46	110	55	500	SCFF7520
3/4"	G 1	46	115	55	500	SCFF7520-100
1"	G 1	60	150	75	420	SCFF10020
1"	G 1 1/4	60	150	75	420	SCFF10020-125
1"	G 1 1/2	60	152	75	420	SCFF10020-150



Plugs with pressure eliminator

SCFF-Series

Body Size	Connection A	Hex mm	L mm	D mm	Working Press. connect. in bar	Part Number
3/8"	G 3/8	32	108	40	550	SCFF3821
1/2"	G 1/2	36	117	43	500	SCFF5021
3/4"	G 3/4	46	148	55	500	SCFF7521
3/4"	G 1	46	148	55	500	SCFF7521-100
1"	G 1	60	185	75	420	SCFF10021
1"	G 1 1/4	60	189	75	420	SCFF10021-125
1"	G 1 1/2	60	194	75	420	SCFF10021-150





Body Size

3/8" up to 1"

Screw-to-Connect

QHPA-Series



Technical Description

Screw-to-connect type of coupling according to ISO 14541 for difficult applications. Rugged, modular construction in steel, working up to 450 bar.

Advantages

Self locking threads and external seal to prevent accidental disconnection. Connectable under residual pressure up to 50 bar. NBR seals and back-up ring in PTFE to withstand pressure impulses.

Sleeve mounted on the male tip to protect the sealing area. Three-part poppet style valving with a molded shaped seal to prevent seal washout at high flow rates.

Applications

- Agricultural and mobile equipment
- Rock hammers
- Forestry equipments

- Snow groomers
- Excavators

Working Pressure

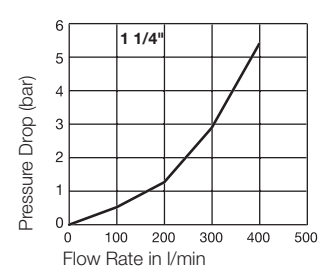
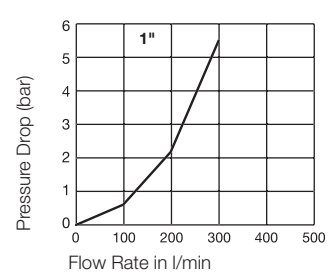
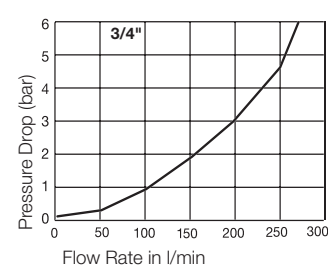
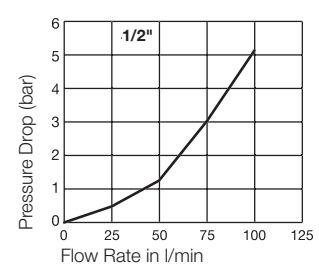
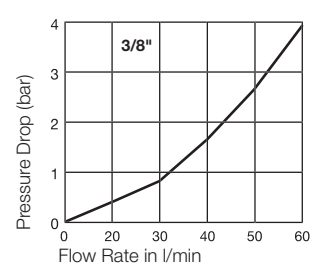
3/8"	450 bar
1/2"	400 bar
3/4"	380 bar
1"	370 bar
1 1/4"	300 bar

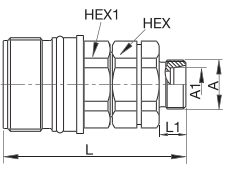
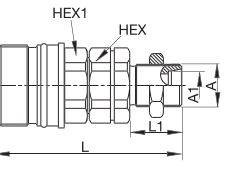
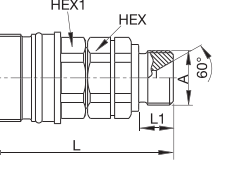
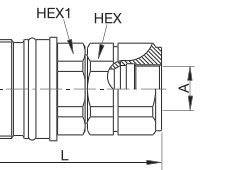
Working Temperature

-25°C up to +110°C (NBR) depending on the medium.

Material Coupling	Standard
Valve Body	Steel, silver plated, ZnNi plating for 3/4" size
Back Body	Steel, silver plated, ZnNi plating for 3/4" size
Back-up Ring	PTFE
Valve	Steel, silver plated, ZnNi plating for 3/4" size
Springs	Steel
Seals	NBR
Valve Holder	Steel
Material Plug	Standard
Plug Body	Steel, silver plated, ZnNi plating for 3/4" size
Valve	Steel, silver plated
Springs	Steel
Seals	NBR
Valve Holder	Steel, silver plated, Brass for 3/4" size
Sleeve	Steel, silver plated, ZnNi plating for 3/4" size

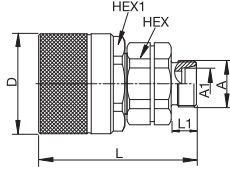
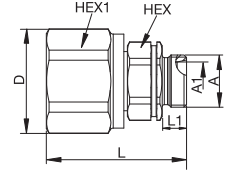
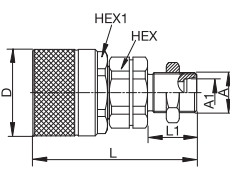
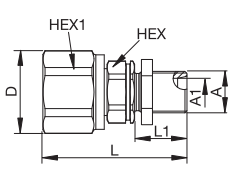
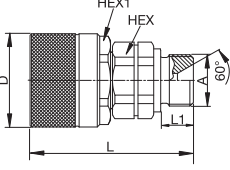
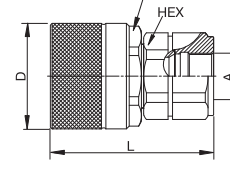
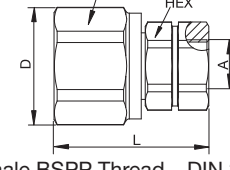
Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000



	Size	Body Size	Interface thread	Connec-tion A	Tube O/D A1	Hex mm	Hex1 mm	L mm	L1 mm	D mm	Version	Weight gr.	Part Number	
 <p>Male Thread 24° cone – DIN 2353</p>	2	3/8"	M28	M 14 x 1,5	8	22	24	62	10		Light Series	147	QHPA53-D6X2-C	
	2	3/8"	M28	M 16 x 1,5	10	22	24	63	11		Light Series	148	QHPA53-D6X3-C	
	2	3/8"	M28	M 18 x 1,5	10	22	30	64	12		Heavy Series	154	QHPA53-D7X3-C	
	2	3/8"	M28	M 20 x 1,5	12	22	24	64	12		Heavy Series	156	QHPA53-D7X4-C	
	3	1/2"	M36	M 18 x 1,5	12	30	30	68	11		Light Series	285	QHPA54-D6X4-C	
	3	1/2"	M36	M 22 x 1,5	15	30	30	69	12		Light Series	290	QHPA54-D6X5-C	
	3	1/2"	M36	M 22 x 1,5	14	30	30	71	14		Heavy Series	277	QHPA54-D7X5-C	
	3	1/2"	M36	M 24 x 1,5	16	30	30	71	14		Heavy Series	298	QHPA54-D7X6-C	
	6	1"	M48	M 26 x 1,5	18	41	41	95	12		Light Series	729	QHPA56-D6X6-C	
	6	1"	M48	M 30 x 2	22	41	41	97	14		Light Series	736	QHPA56-D6X7-C	
 <p>Male Thread 24° cone – DIN 2353 Bulkhead</p>	2	3/8"	M28	M 14 x 1,5	8	22	24	76	25		Light Series	167	QHPA53-E6X2-C	
	2	3/8"	M28	M 16 x 1,5	10	22	24	78	26		Light Series	179	QHPA53-E6X3-C	
	2	3/8"	M28	M 20 x 1,5	12	22	24	78	27		Heavy Series	198	QHPA53-E7X4-C	
	3	1/2"	M36	M 18 x 1,5	12	30	30	87	30		Light Series	313	QHPA54-E6X4-C	
	3	1/2"	M36	M 22 x 1,5	15	30	30	84	27		Light Series	337	QHPA54-E6X5-C	
	3	1/2"	M36	M 24 x 1,5	16	30	30	86	29		Heavy Series	356	QHPA54-E7X6-C	
	4	3/4"	M42	M 36 x 2	25	41	40	101	38				700	QHPA55-E7X8-C
	6	1"	M48	M 26 x 1,5	18	41	41	115	32		Light Series	822	QHPA56-E6X6-C	
	6	1"	M48	M 30 x 2	20	41	41	121	38		Heavy Series	865	QHPA56-E7X7-C	
	6	1"	M48	M 36 x 2	25	41	41	121	38		Heavy Series	918	QHPA56-E7X8-C	
 <p>Male BSPP Thread – DIN 3852 Form B</p>	8	1 1/4"	M70	M 42 x 2	30	55	65	134	40		Heavy Series	1757	QHPA58-E7X9-C	
	2	3/8"	M28	3/8"		22	24	66	12			183	QHPA53-F4B3-C	
	3	1/2"	M36	1/2"		30	30	72	12			301	QHPA54-F4B4-C	
	4	3/4"	M42	3/4"		36	40	94	16			550	QHPA55-F4B6-C	
 <p>Female BSPP Thread – DIN 3852 Form Y</p>	2	3/8"	M28	3/8"		22	24	67				155	QHPA53-G4X3-C	
	3	1/2"	M36	1/2"		30	30	73				311	QHPA54-G4X4-C	
	4	3/4"	M42	3/4"		36	40	77				480	QHPA55-G4X6-C	
	6	1"	M48	3/4"		41	41	96				838	QHPA56-G4X6-C	
	6	1"	M48	1"		41	41	101				786	QHPA56-G4X8-C	



Plugs

QHPA-Series

	Size	Body Size	Interface Thread	Connection A	Tube O/D A1	Hex mm	Hex1 mm	L mm	L1 mm	D mm	Version	Weight-gr.	Part Number
 <p>Male Thread 24° cone – DIN 2353</p>	2	3/8"	M28	M 14 x 1,5	8	22	30	59	10	34	Light Series	153	QHPA13-D6X2-C
	2	3/8"	M28	M 16 x 1,5	10	22	30	60	11	34	Light Series	154	QHPA13-D6X3-C
	2	3/8"	M28	M 18 x 1,5	10	22	30	61	12	34	Heavy Series	160	QHPA13-D7X3-C
	2	3/8"	M28	M 20 x 1,5	12	22	30	61	12	34	Heavy Series	162	QHPA13-D7X4-C
	3	1/2"	M36	M 18 x 1,5	12	30	36	62	11	42	Light Series	242	QHPA14-D6X4-C
	3	1/2"	M36	M 22 x 1,5	15	30	36	63	12	42	Light Series	247	QHPA14-D6X5-C
	3	1/2"	M36	M 22 x 1,5	14	32	36	65	14	42	Heavy Series	254	QHPA14-D7X5-C
 <p>Male Thread 24° cone – DIN 2353</p>	3	1/2"	M36	M 24 x 1,5	16	30	36	65	14	42	Heavy Series	255	QHPA14-D7X6-C
	6	1"	M48	M 26 x 1,5	18	41	55	79	12	60	Light Series	656	QHPA16-D6X6-C
	6	1"	M48	M 30 x 2	22	41	55	81	14	60	Light Series	663	QHPA16-D6X7-C
	6	1"	M48	M 30 x 2	20	41	55	82	16	60	Heavy Series	674	QHPA16-D7X7-C
	6	1"	M48	M 36 x 2	25	41	55	85	18	60	Heavy Series	592	QHPA16-D7X8-C
 <p>Male Thread 24° cone – DIN 2353 Bulkhead</p>	8	1 1/4"	M70	M 42 x 2	30	55	80	118	20	85	Heavy Series	2082	QHPA18-D7X9-C
	2	3/8"	M28	M 14 x 1,5	8	22	30	74	25	34	Light Series	173	QHPA13-E6X2-C
	2	3/8"	M28	M 16 x 1,5	10	22	30	75	26	34	Light Series	173	QHPA13-E6X3-C
	2	3/8"	M28	M 20 x 1,5	12	22	30	76	27	34	Light Series	204	QHPA13-E7X4-C
	3	1/2"	M36	M 18 x 1,5	12	30	36	81	30	42	Light Series	270	QHPA14-E6X4-C
	3	1/2"	M36	M 22 x 1,5	15	30	36	78	27	42	Light Series	294	QHPA14-E6X5-C
 <p>Male Thread 24° cone – DIN 2353 Bulkhead</p>	3	1/2"	M36	M 24 x 1,5	16	30	36	80	29	42	Heavy Series	313	QHPA14-E7X6-C
	4	3/4"	M42	M 36 x 2	25	41	44	99	38	48	Heavy Series	690	QHPA15-E7X8-C
	6	1"	M48	M 26 x 1,5	18	41	55	99	32	60	Light Series	749	QHPA16-E6X6-C
	6	1"	M48	M 30 x 2	20	41	55	104	38	60	Heavy Series	792	QHPA16-E7X7-C
	6	1"	M48	M 36 x 2	25	41	55	105	38	60	Heavy Series	845	QHPA16-E7X8-C
 <p>Male BSPP Thread – DIN 3852 Form B</p>	8	1 1/4"	M70	M 42 x 2	30	55	80	138	40	85	Heavy Series	2350	QHPA18-E7X9-C
	2	3/8"	M28	3/8"		22	30	72	12	34		188	QHPA13-F4B3-C
	3	1/2"	M36	1/2"		30	36	66	12	42		258	QHPA14-F4B4-C
 <p>Female BSPP Thread – DIN 3852 Form Y</p>	4	3/4"	M42	3/4"		36	44	92	16	48		530	QHPA15-F4B6-C
	2	3/8"	M28	3/8"		22	30	65		34		161	QHPA13-G4X3-C
	3	1/2"	M36	1/2"		30	36	73		42		268	QHPA14-G4X4-C
 <p>Female BSPP Thread – DIN 3852 Form Y</p>	4	3/4"	M42	3/4"		36	44	75		48		470	QHPA15-G4X6-C
	6	1"	M48	3/4"		41	55	79		60		765	QHPA16-G4X6-C
	6	1"	M48	1"		41	55	85		60		713	QHPA16-G4X8-C


Dust Protection

QHPA-Series

	Body Size	Version	Material	Color	Part Number
	3/8"	for coupling	Plastic	Red	QHPA13-DC
	1/2"	for coupling	Plastic	Red	QHPA14-DC
	3/4"	for coupling	Plastic	Red	QHPA15-DC
	1"	for coupling	Plastic	Red	QHPA16-DC
	1 1/4"	for coupling	Plastic	Red	QHPA18-DC
	3/8"	for plug	Plastic	Red	QHPA53-DP
	1/2"	for plug	Plastic	Red	QHPA54-DP
	3/4"	for plug	Plastic	Red	QHPA55-DP
	1"	for plug	Plastic	Red	QHPA56-DP
	1 1/4"	for plug	Plastic	Red	QHPA58-DP

Seal-Kit

QHPA-Series

	Body Size	Description	Part Number
	3/8"	NBR/PTFE	QHPA53-C-KIT
	1/2"	NBR/PTFE	QHPA54-C-KIT
	3/4"	NBR/ PTFE	QHPA55-C-KIT
	1"	NBR/PTFE	QHPA56-C-KIT
	1 1/4"	NBR/PTFE	QHPA58-C-KIT

O-Ring NBR and Back-up Ring PTFE

The kit contains the O-Ring and the outside ring in NBR as well as the back-up ring in PTFE.



Body Size

3/4" up to 4"

Screw-to-Connect

75-Series

**Technical Description**

Parker Snap-tite 75 series couplings are designed for working pressures up to 345 bar. Screw-to-connect design available in steel or stainless steel.

Advantages

- Robust coupling for use in high pressure hydraulic service
- Connectable under residual pressure
- Wide range of sizes
- DBP version is "Fire Safe" rated to API 16D

Applications

- Cranes
- Power tongs
- Horizontal boring
- Dewatering
- Oilfields
- Offshore drilling

Working Pressure

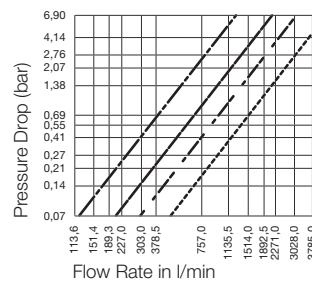
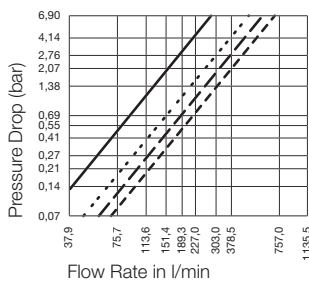
See charts.

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.

75-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. **75C12-12VW**

Material Coupling	Steel	Stainless Steel
Coupling Body	Steel	AISI 316
Sleeve	Steel	AISI 316
Valve	Steel	AISI 316
Springs	Steel	AISI 302/ 17-7
Seals	NBR	NBR
Valve Holder	Steel	AISI 316
Material Plug	Steel	Stainless Steel
Plug Body	Steel	AISI 316
Valve	Steel	AISI 316
Springs	Steel	AISI 302/ 17-7
Seals	NBR	NBR
Valve Holder	Steel	AISI 316

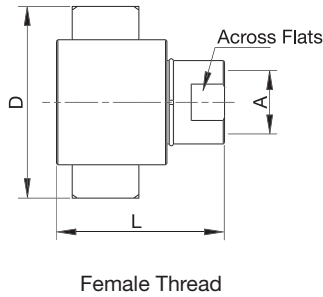
Flow Capacity with Hydraulic Oil 88 SSU with Viscosity of 18cSt

- Body Size 3/4"
- - - - Body Size 1"
- - - - Body Size 1 1/4"
- - - - Body Size 1 1/2"
- - - - Body Size 2"
- - - - Body Size 2 1/2"
- - - - Body Size 3"
- - - - Body Size 4"

Couplings

75-Series Steel

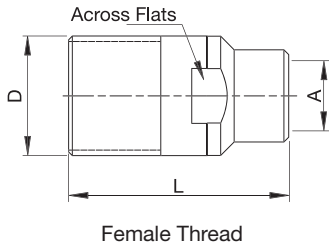
Body Size	Connection A	L mm	D mm	Across Flats mm	Weight kg	Max. Operating Pressure in bar	Part Number
3/4"	3/4-14 NPSF	72,14	47,50 (hex)	33,27	0,59	345	75C12-12FW
3/4"	G 3/4	72,14	47,50 (hex)	33,27	0,59	345	75C12-12RPW
3/4"	3/4-14 NPSF	72,14	47,50 (hex)		0,59	345	75C12-12F-DBP
1"	1-11 1/2NPSF	87,63	107,95	42,93	1,27	345	75C16-16FW
1"	G 1	87,63	107,95	42,93	1,27	345	75C16-16RPW
1"	1-11 1/2NPSF	87,63	107,95		1,27	345	75C16-16F-DBP
1 1/4"	1 1/4-11 1/2NPTF	111,76	120,65	50,80	2,04	345	75C20-20FW
1 1/4"	G 1 1/4	111,76	120,65	50,80	2,04	345	75C20-20RPW
1 1/4"	1 1/4-11 1/2NPTF	111,76	120,65		2,04	345	75C20-20F-DBP
1 1/2"	1 1/2-11 1/2 NPTF	128,02	146,05	57,15	3,31	345	75C24-24FW
1 1/2"	G 1 1/2	128,02	146,05	57,15	3,31	345	75C24-24RPW
1 1/2"	1 1/2-11 1/2 NPTF	128,02	146,05		3,31	345	75C24-24F-DBP
2"	2-11 1/2 NPT	154,18	171,45	76,20	6,98	345	75C32-32FW
2"	G 2	154,18	171,45	76,20	6,98	345	75C32-32RPW
2"	2-11 1/2 NPT	154,18	171,45		6,98	345	75C32-32F-DBP
2 1/2"	2 1/2 - 8 NPTF	134,37	203,20	88,90	9,07	207	75C40-40FW
2 1/2"	G 2 1/2	134,37	203,20	88,90	9,07	207	75C40-40RPW
3"	3-8 NPTF	148,34	215,90	107,95	13,60	207	75C48-48FW
3"	G 3	148,34	215,90	107,95	13,60	207	75C48-48RPW



Plugs

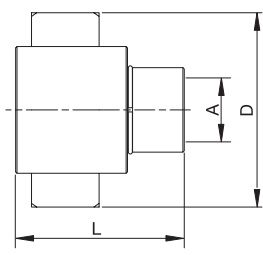
75-Series Steel

Body Size	Connection A	L mm	D mm	Across Flats mm	Weight kg	Max. Operating Pressure in bar	Part Number
3/4"	3/4-14 NPSF	83,06	44,45	39,62	0,44	345	75N12-12FW
3/4"	G 3/4	83,06	44,45	39,62	0,44	345	75N12-12RPW
3/4"	3/4-14 NPSF	83,06	44,45		0,44	345	75N12-12F-DBP
1"	1-11 1/2NPSF	105,92	57,15	50,80	1,00	345	75N16-16FW
1"	G 1	105,92	57,15	50,80	1,00	345	75N16-16RPW
1"	1-11 1/2NPSF	105,92	57,15		1,00	345	75N16-16F-DBP
1 1/4"	1 1/4-11 1/2NPTF	136,14	66,55	60,45	1,72	345	75N20-20FW
1 1/4"	G 1 1/4	136,14	66,55	60,45	1,72	345	75N20-20RPW
1 1/4"	1 1/4-11 1/2NPTF	136,14	66,55		1,72	345	75N20-20F-DBP
1 1/2"	1 1/2-11 1/2 NPTF	151,64	82,30	73,15	2,95	345	75N24-24FW
1 1/2"	G 1 1/2	151,64	82,30	73,15	2,95	345	75N24-24RPW
1 1/2"	1 1/2-11 1/2 NPTF	151,64	82,30		2,95	345	75N24-24F-DBP
2"	2-11 1/2 NPT	179,07	101,60	88,90	5,78	345	75N32-32FW
2"	G 2	179,07	101,60	88,90	5,78	345	75N32-32RPW
2"	2-11 1/2 NPT	179,07	101,60		5,78	345	75N32-32F-DBP
2 1/2"	2 1/2 - 8 NPTF	189,48	127,00	88,90	7,26	207	75N40-40FW
2 1/2"	G 2 1/2	189,48	127,00	88,90	7,26	207	75N40-40RPW
3"	3-8 NPTF	209,80	152,40	107,95	12,96	207	75N48-48FW
3"	G 3	209,80	152,40	107,95	12,96	207	75N48-48RPW



Couplings

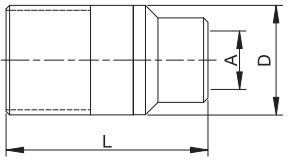
75-Series Stainless Steel



Body Size	Connection A	L mm	D mm	Weight kg	Max. Operating Pressure in bar	Part Number
3/4"	3/4-14 NPSF	72,14	47,50 (hex)	0,59	207	S75C12-12F
3/4"	G 3/4	72,14	47,50 (hex)	0,59	207	S75C12-12RP
1"	1-11 1/2 NPSF	87,63	107,95	1,27	207	S75C16-16F
1"	G 1	87,63	107,95	1,27	207	S75C16-16RP
1 1/4"	1 1/4-11 1/2 NPT	111,76	120,65	2,04	207	S75C20-20F
1 1/4"	G 1 1/4	111,76	120,65	2,04	207	S75C20-20RP
1 1/2"	1 1/2-11 1/2 NPT	128,02	146,05	3,31	207	S75C24-24F
1 1/2"	G 1 1/2	128,02	146,05	3,31	207	S75C24-24RP
2"	2-11 1/2 NPT	154,18	171,45	6,98	207	S75C32-32F
2"	G 2	154,18	171,45	6,98	207	S75C32-32RP

Plugs

75-Series Stainless Steel



Body Size	Connection A	L mm	D mm	Weight kg	Max. Operating Pressure in bar	Part Number
3/4"	3/4-14 NPSF	83,06	44,45	0,44	207	S75N12-12F
3/4"	G 3/4	83,06	44,45	0,44	207	S75N12-12RP
1"	1-11 1/2 NPSF	105,92	57,15	1,00	207	S75N16-16F
1"	G 1	105,92	57,15	1,00	207	S75N16-16RP
1 1/4"	1 1/4-11 1/2 NPT	136,14	66,55	1,72	207	S75N20-20F
1 1/4"	G 1 1/4	136,14	66,55	1,72	207	S75N20-20RP
1 1/2"	1 1/2-11 1/2 NPT	151,64	82,30	2,95	207	S75N24-24F
1 1/2"	G 1 1/2	151,64	82,30	2,95	207	S75N24-24RP
2"	2-11 1/2 NPT	179,07	101,60	5,78	207	S75N32-32F
2"	G 2	179,07	101,60	5,78	207	S75N32-32RP

Dust Protection

75-Series

Body Size	Version	Material	Part Number
3/4"	for coupling	Steel	75MDP-12
1"	for coupling	Steel	75MDP-16
1 1/4"	for coupling	Steel	75MDP-20
1 1/2"	for coupling	Steel	75MDP-24
2"	for coupling	Steel	75MDP-32
2 1/2"	for coupling	Steel	75MDP-40
3"	for coupling	Steel	75MDP-48
3/4"	for plug	Steel	75MDC-12
1"	for plug	Steel	75MDC-16
1 1/4"	for plug	Steel	75MDC-20
1 1/2"	for plug	Steel	75MDC-24
2"	for plug	Steel	75MDC-32
2 1/2"	for plug	Steel	75MDC-40
3"	for plug	Steel	75MDC-48



Body Size

3/4" up to 1 1/2"

Parker Profile

6100-Series

**Technical Description**

Screw-to-connect coupling. Connection and disconnection possible with full system pressure. Compatible with a broad range of media. Limited fluid spillage during disconnection.

Advantages

Bonded valve seal permits full pressure connect and disconnect without seal washout. Heavy-duty wing nut, ruggedly built, specifically to withstand the hammer blows, used to tighten and loosen this coupler. Flush-faced poppet valve

for reduced spillage during disconnection. Connection indicator: visual check for complete connection of the couplings.

The flange is designed to give a positive "no-slip" bulkhead mounting to reduce downtime.

Applications

- Dump trailers: to connect the tractor to wet-line hydraulic systems
- Connection of hydraulic lines on oil field equipment like power tongs, swivels and mobile drilling rigs.
- Submersible pumps, engine test stands
- Applications where heavy-duty couplings are required

Working Temperature

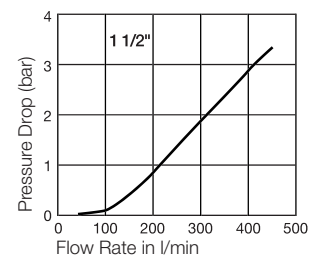
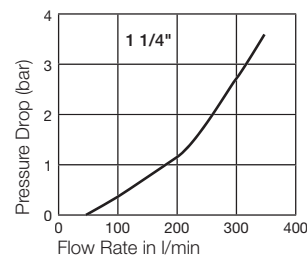
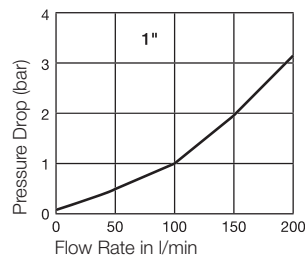
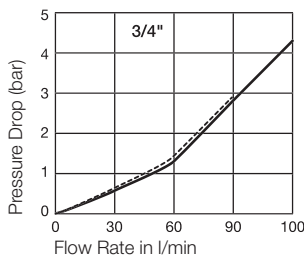
-40°C up to +110°C (NBR) depending on the medium.

Working pressure

Body Size	Max. operating pressure connected
3/4"	210 bar
1"	210 bar
1 1/4"	190 bar
1 1/2"	175 bar

Material Coupling	Standard
Coupling Body	Brass
Sleeve	Steel
Back-up Ring	PTFE
Valve	Brass
Springs	Stainless Steel
Seals	NBR

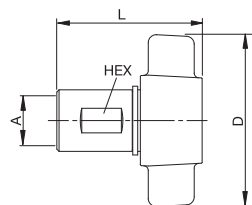
Material Plug	Standard
Plug Body	Brass
Valve	Brass
Springs	Stainless Steel
Seals	NBR

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

— Female thread 1/2" - 14
 Female thread 3/4" - 18

Couplings with Wing Nut

6100-Series

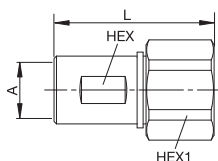


Female Thread

Body Size	Connection A	Thread	Hex	Hex1	D mm	L mm	Weight gr.	Part Number
3/4"	1/2"	BSPP	1 5/32"		102,6	75,9	600	6125-08-BSPP
3/4"	3/4"	BSPP	1 5/32"		102,6	79,8	560	6125-12-BSPP
3/4"	1/2" - 14	NPTF	1 5/32"		102,6	75,9	590	6125-08
3/4"	3/4" - 14	NPTF	1 5/32"		102,6	79,8	572	6125-12
1"	1"	BSPP	1 7/16"		111,3	96,5	869	6125-16-BSPP
1"	1" - 11 1/2	NPTF	1 7/16"		111,3	96,5	857	6125-16
1 1/4"	1 1/4"	BSPP	1 25/32"		132,1	103,8	1221	6125-20-BSPP
1 1/4"	1 1/4" - 11 1/2	NPTF	1 25/32"		132,1	103,8	1288	6125-20
1 1/2"	1 1/2"	BSPP	2"		135,1	108,5	1733	6125-24-BSPP
1 1/2"	1 1/2" - 11 1/2	NPTF	2"		135,1	108,5	1687	6125-24

Couplings with Hexagon Nut

6100-Series

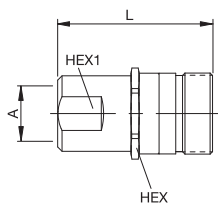


Female Thread

Body Size	Connection A	Thread	Hex	Hex1	D mm	L mm	Weight gr.	Part Number
3/4"	1/2" - 14	NPTF	1 5/32"	1 3/4"		81,8	485	6135-08
3/4"	3/4" - 14	NPTF	1 5/32"	1 3/4"		81,8	485	6135-12
1"	1" - 11 1/2	NPTF	1 7/16"	2 1/8"		98,3	739	6135-16
1 1/4"	1 1/4" - 11 1/2	NPTF	1 25/32"	2 1/2"		105,6	1120	6135-20

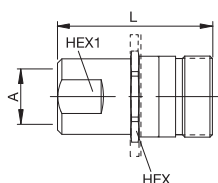
Plugs

6100-Series



Female Thread - without flange

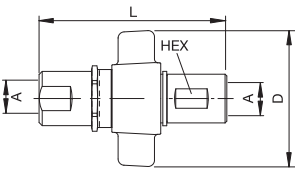
Body Size	Connection A	Thread	Hex	Hex1	D mm	L mm	Weight gr.	Part Number
3/4"	1/2"	BSPP	1 5/8"	1 3/16"		79	416	6105-08-BSPP
3/4"	3/4"	BSPP	1 5/8"	1 3/16"		83,8	349	6105-12-BSPP
3/4"	1/2" - 14	NPTF	1 5/8"	1 3/16"		79	374	6105-08
3/4"	3/4" - 14	NPTF	1 5/8"	1 3/16"		82	358	6105-12
1"	1"	BSPP	1 7/8"	1 9/16"		90,2	571	6105-16-BSPP
1"	1" - 11 1/2	NPTF	1 7/8"	1 9/16"		90,2	589	6105-16
1 1/4"	1 1/4"	BSPP	2 1/8"	1 7/8"		94,2	754	6105-20-BSPP
1 1/4"	1 1/4" - 11 1/2	NPTF	2 1/8"	1 7/8"		94,2	741	6105-20
1 1/2"	1 1/2"	BSPP	2 1/2"	2 3/16"		104,6	1155	6105-24-BSPP
1 1/2"	1 1/2" - 11 1/2	NPTF	2 1/2"	2 3/16"		104,6	988	6105-24
3/4"	1/2" - 14	NPTF	1 5/8"	1 3/16"		79	374	6115-08
3/4"	3/4" - 14	NPTF	1 5/8"	1 3/16"		82	358	6115-12
1"	1" - 11 1/2	NPTF	1 7/8"	1 9/16"		90,2	589	6115-16
1 1/4"	1 1/4" - 11 1/2	NPTF	2 1/8"	1 7/8"		94,2	741	6115-20
1 1/2"	1 1/2" - 11 1/2	NPTF	2 1/2"	2 3/16"		104,6	988	6115-24



Female Thread - with flange

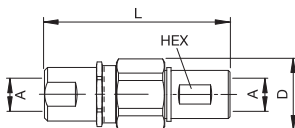
Complete Set with Wing Nut (Male + Female)

6100-Series

	Body Size	Connection A	Thread	Hex	Hex1	D mm	L mm	Weight gr.	Part Number
 <p>Female Thread</p>	3/4"	1/2" - 14	NPTF	1 5/32"		102,6	132,1		6100-08
	3/4"	3/4" - 14	NPTF	1 5/32"		102,6	132,1		6100-12
	1"	1" - 11 1/2	NPTF	1 7/16"		111,3	152,1		6100-16
	1 1/4"	1 1/4" - 11 1/2	NPTF	1 25/32"		132,1	160,8		6100-20
	1 1/2"	1 1/2" - 11 1/2	NPTF	2"		135,1	166,4		6100-24

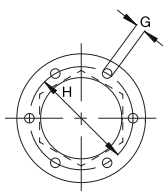
Complete Set with Hexagon Nut (Male + Female)

6100-Series

	Body Size	Connection A	Thread	Hex	Hex1	D mm	L mm	Weight gr.	Part Number
 <p>Female Thread</p>	3/4"	1/2" - 14	NPTF	1 5/32"		102,6	132,1		6120-08
	3/4"	3/4" - 14	NPTF	1 5/32"		102,6	132,1		6120-12
	1"	1" - 11 1/2	NPTF	1 7/16"		111,3	152,1		6120-16
	1 1/4"	1 1/4" - 11 1/2	NPTF	1 25/32"		132,1	160,8		6120-20
	1 1/2"	1 1/2" - 11 1/2	NPTF	2"		135,1	166,4		6120-24



Flange

6100-Series

	Body Size	G mm	H mm	Part Number
	3/4"	5,3	54,0	6107-08
	1"	5,3	60,3	6107-16
	1 1/4"	5,3	66,7	6107-20
	2 1/2"	7,1	82,6	6107-24

Dust Protection

6100-Series

	Body Size	Version	Part Number
	3/4"	for coupling	6109-08
	1"	for coupling	6109-16
	1 1/4"	for coupling	6109-20
	1 1/2"	for coupling	6109-24
	3/4"	for plug	6108-08
	1"	for plug	6108-16
	1 1/4"	for plug	6108-20
	1 1/2"	for plug	6108-24



Body Size

3/8" up to 2"

Screw-to-Connect

FET-Series

**Technical Description**

Screw-to-connect type of couplings for difficult applications. Working pressure up to 415 bar. Flat face valves to avoid fluid loss and protect environment.

Advantages

- No fluid loss during connection/disconnection
- Good resistance to vibrations and mechanical stresses due to screw connection
- Connectable under residual pressure up to 345 bar

Applications

- Mobile and construction equipment: cranes, drilling machines, excavators, hammers, thumbs
- Oil field: wellhead drives

Working Pressure

See charts.

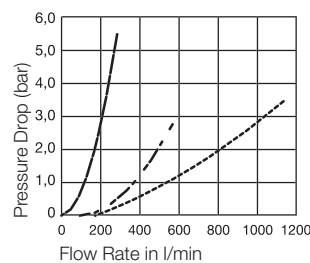
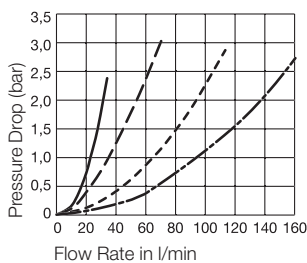
Working Temperature

-20°C up to +100°C (NBR)

Max. Residual Pressure

Body Size	during connection	during disconnection
3/8"	345 bar	172 bar
1/2"	345 bar	172 bar
5/8"	345 bar	172 bar
3/4"	345 bar	172 bar
1"	345 bar	172 bar
1 1/2"	345 bar	172 bar
2"	345 bar	172 bar

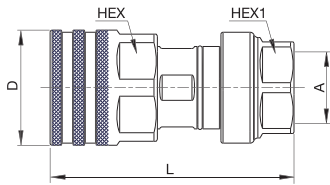
Material Coupling	Steel
Coupling Body	Steel
Sleeve	Steel
Valve	Stainless steel
Springs	Stainless steel
Locking Balls	Steel
Seals	Nitrile/Polyurethane
Material Plug	Steel
Plug Body	Steel
Valve	Stainless steel
Springs	Stainless steel
Seals	Nitrile
Valve Holder	Steel

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

- Body Size 3/8"
- - - Body Size 1/2"
- - - - Body Size 5/8"
- - - - - Body Size 3/4"
- - - - - - Body Size 1"
- - - - - - - Body Size 1 1/2"
- - - - - - - - Body Size 2"

Couplings

FET-Series



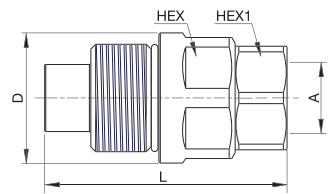
Female Thread - NPTF

Body Size	Connection A	HEX mm	HEX 1 mm	L mm	D mm	Weight gr.	Max. Operating Pressure in bar*	Part Number
3/8"	1/2"-14	38	30	99,3	42	417	415	FET-371-8FP
1/2"	1/2"-14	48	38	94,0	52,1	626	415	FET-501-8FP
5/8"	3/4"-14	50	41,3	114,8	53,9	921	345	FET-621-12FP
3/4"	1" -11 1/2	55	50	138,2	58,7	1520	345	FET-751-16FP
1"	1 1/4"-11	65	55,6	148,0	69,9	2159	345	FET-1001-20FP
1 1/2"	1 1/2"-11	85	66,7	180	95,3	4563	345	FET-1501-24FP
2"	2"-11 1/2		95,3	296,4	191,0	15444	345	FET-2001-32FP

* Max. service pressure connected

Plugs

FET-Series



Female Thread - NPTF

Body Size	Connection A	HEX mm	HEX 1 mm	L mm	D mm	Weight gr.	Max. Operating Pressure in bar*	Part Number
3/8"	1/2"-14	38,0	31,8	89,2	40,7	450	415	FET-372-8FP
1/2"	1/2"-14	44,0	28,6	89,0	47,8	513	415	FET-502-8FP
5/8"	3/4"-14	50,0	41,3	103,7	53,9	916	345	FET-622-12FP
3/4"	1"-11 1/2	55,0	50,0	118,2	58,7	1234	345	FET-752-16FP
1"	1 1/4"-11	65,0	55,6	130,0	70,0	1973	345	FET-1002-20FP
1 1/2"	1 1/2"-11	75,0	66,7	151,0	95,3	3630	345	FET-1502-24FP
2"	2"-11 1/2	114,3	95,3	217,4	145,0	12033	345	FET-2002-32FP

* Max. service pressure connected

Dust Protection

FET-Series

Body Size	Version	Material	Part Number
3/8"	for coupling	Aluminium	FET3DP-01
1/2"	for coupling	Aluminium	FET5DP-01
5/8"	for coupling	Aluminium	FET6DP-01
3/4"	for coupling	Aluminium	FET7DP-01
1"	for coupling	Aluminium	FET10DP-01
1 1/2"	for coupling	Aluminium	FET15DP-01
2"	for coupling	Aluminium	FET20DP-01
3/8"	for plug	Aluminium	FET3DC-01
1/2"	for plug	Aluminium	FET5DC-01
5/8"	for plug	Aluminium	FET6DC-01
3/4"	for plug	Aluminium	FET7DC-01
1"	for plug	Aluminium	FET10DC-01
1 1/2"	for plug	Aluminium	FET15DC-01
2"	for plug	Aluminium	FET20DC-01

⚠ Please consider our security advices on the pages 14/15 ⚠



Body Size

1/2" up to 1 1/2"

Screw-to-Connect

59-Series

**Technical Description**

Parker Snap-tite 59 series is ideal for high impulse applications that require the security of a threaded connection and the ability to connect and disconnect under residual pressure.

Advantages

- Robust ACME thread has a double start feature and allows full connection to be quickly completed in 2 1/2 turns.
- Minimal resistance for easy connection

- Connect with up to 345 bar residual pressure
- Disconnect with up to 172 bar residual pressure
- Visual confirmation when full connection is complete

Applications

- Mobile drill rigs
- Oil field equipment
- Umbilical lines
- High impulse mobile circuits
- Excavator attachments

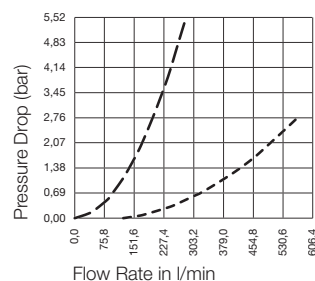
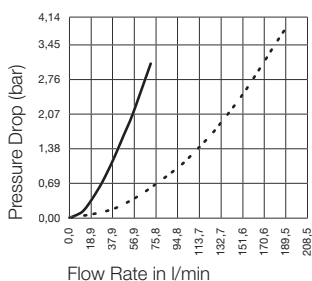
Working Pressure

See charts.

Working Temperature

-40°C up to +121°C (NBR) depending on the medium.

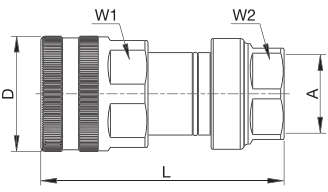
Material Coupling	Steel
Coupling Body	Steel
Sleeve	Steel
Valve	17-4 PH
Seals	Nitrile & Polyurethane
Plating	Zinc nickel coating
Material Plug	Steel
Plug Body	Steel
Valve	Steel
Seals	Nitrile & Polyurethane
Plating	Zinc nickel coating

Flow Capacity with Hydraulic Oil with Viscosity of 30cSt

- Body Size 1/2"
- Body Size 3/4"
- Body Size 1"
- - - - Body Size 1 1/2"

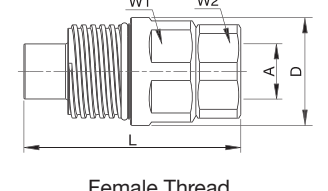
Couplings

59-Series

	Body Size	Connection A	L mm	D mm	Wrench Flat W1 mm	Wrench Flat W2 mm	Weight kg	Max. Operating Pressure in bar	Part Number
 <p>Female Thread</p>	1/2	1/2-14 NPSF	93,98	52,07	38,10	47,63	0,61	414	59-501-8FP
	1/2	3/4-16 UNF	94,99	52,07	38,10	47,63	0,62	414	59-501-8FO
	3/4	3/4-14 NPTF	140,46	63,25	60,33	50,80	1,69	345	59-751-12FP
	3/4	1 1/16-12 UNF	135,64	63,25	60,33	50,80	1,67	345	59-751-12FO
	1	1-11 1/2 NPTF	147,83	69,85	65,00	55,56	2,19	345	59-1001-16FP
	1	1 5/16-12 UNF	147,83	69,85	65,00	55,56	2,16	345	59-1001-16FO
	1 1/2	1 1/4-11 1/2 NPTF	179,83	94,99	90,00	66,68	4,50	345	59-1501-20FP
	1 1/2	1 5/8-12 UNF	179,83	94,99	90,00	66,68	4,39	345	59-1501-20FO
	1 1/2	1 1/2-11 1/2 NPTF	179,83	94,99	90,00	66,68	4,50	345	59-1501-24FP
	1 1/2	1 7/8-12 UNF	179,83	94,99	90,00	66,68	4,39	345	59-1501-24FO

Plugs

59-Series

	Body Size	Connection A	L mm	D mm	Wrench Flat W1 mm	Wrench Flat W2 mm	Weight kg	Max. Operating Pressure in bar	Part Number
 <p>Female Thread</p>	1/2	1/2-14 NPSF	88,90	47,75	44,45	28,58	0,49	414	59-502-8FP
	1/2	3/4-16 UNF	88,90	47,75	44,45	47,63	0,49	414	59-502-8FO
	3/4	3/4-14 NPTF	118,11	58,67	55,00	50,80	1,27	345	59-752-12FP
	3/4	1 1/16-12 UNF	121,16	58,67	55,00	50,80	1,30	345	59-752-12FO
	1	1-11 1/2 NPTF	130,05	69,85	65,00	55,56	2,00	345	59-1002-16FP
	1	1 5/16-12 UNF	130,05	69,85	65,00	55,56	1,99	345	59-1002-16FO
	1 1/2	1 1/4-11 1/2 NPTF	150,88	95,25	75,00	66,68	3,78	345	59-1502-20FP
	1 1/2	1 5/8-12 UNF	150,88	95,25	75,00	66,68	3,76	345	59-1502-20FO
	1 1/2	1 1/2-11 1/2 NPTF	150,88	95,25	75,00	66,68	3,78	345	59-1502-24FP
	1 1/2	1 7/8-12 UNF	150,88	95,25	75,00	66,68	3,76	345	59-1502-24FO

Dust Protection

59-Series

Body Size	Version	Material	Part Number
1/2	for coupling	Steel	595DP-01
3/4	for coupling	Steel	597DP-01
1	for coupling	Steel	5910DP-01
1 1/2	for coupling	Steel	5915DP-01
1/2	for plug	Steel	595DC-01
3/4	for plug	Steel	597DC-01
1	for plug	Steel	5910DC-01
1 1/2	for plug	Steel	5915DC-01