Body Size

1/4" up to 3/4"

Parker Profile

SM-Series



Technical Description
Standard design with ball locking mechanism for high pressure applications. Rugged construction.

Advantages
Body size 1/2" and above feature PTFE back up ring which prevents seal washout at high flow rates. Solid steel bar-stock construction: induction-hardened for a coupling with maximum resistance to damage to hydraulic and mechanical shock and brinelling.

A poppet with a crimped seal assures a maximum sealing at low flow rates and prevents seal washout at high flow rates.

Applications
- Mobile equipment
- Industrial maintenance

Working Temperature
-40°C up to +110°C (NBR) depending on the medium. Special seals are available on request (see page 6).

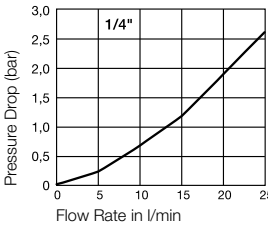
Working Pressure

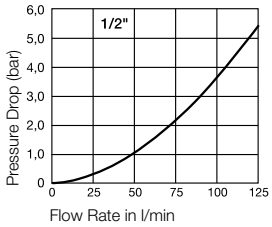
Body Size	Max. Operating Pressure connected
1/4"	410 bar
1/2"	410 bar
3/4"	310 bar

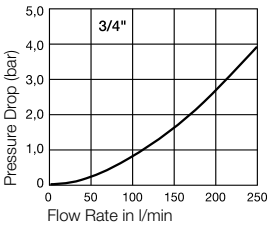
Material Coupling	Steel
Coupling Body	Steel
Sleeve	Steel
Back-up Ring	PTFE
Valve	Steel
Springs	Steel
Locking Balls	Steel
Seals	NBR
Valve Holder	Steel

Material Plug	Steel
Plug Body	Steel
Valve	Steel
Springs	Steel
Seals	NBR
Valve Holder	Steel

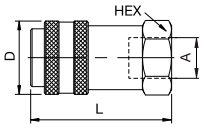
Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000







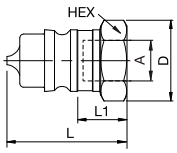
Couplings — SM-Series



Female Thread

Body Size	Connection A	Thread	Hex	L mm	L1* mm	D mm	Version	Weight gr.	Part Number
1/4"	1/4"	BSPP	3/4"	56,9		26,9	Steel	118	SM-251-4FB
1/4"	1/4" - 18	NPTF	3/4"	53,1		26,9	Steel	110	SM-251-4FP
1/4"	3/8"	BSPP	15/16"	56,9		26,9	Steel	118	SM-251-6FB
1/4"	3/8" - 18	NPTF	15/16"	56,9		26,9	Steel	123	SM-251-6FP
1/2"	1/2"	BSPP	1 1/4"	76,2		39,6	Steel	336	SM-501-8FB
1/2"	1/2" - 14	NPTF	1 1/4"	76,2		39,6	Steel	319	SM-501-8FP
1/2"	3/4"	BSPP	1 3/8"	80,3		39,6	Steel	386	SM-501-12FB
1/2"	3/4" - 14	NPTF	1 3/8"	78		39,6	Steel	381	SM-501-12FP
3/4"	3/4"	BSPP	1 5/8"	98,8		56,4	Steel	853	SM-751-12FB
3/4"	3/4" - 14	NPTF	1 5/8"	95,8		56,4	Steel	822	SM-751-12FP
3/4"	1"	BSPP	1 5/8"	101,1		56,4	Steel	857	SM-751-16FB
3/4"	1" - 11 1/2	NPTF	1 5/8"	101,1		56,4	Steel	838	SM-751-16FP

Plugs — SM-Series



Female Thread

Body Size	Connection A	Thread	Hex	L mm	L1* mm	D mm	Version	Weight gr.	Part Number
1/4"	1/4"	BSPP	3/4"	41,7	21,6	22,1	Steel	41	SM-252-4FB
1/4"	1/4" - 18	NPTF	3/4"	37,8	17,8	22,1	Steel	33	SM-252-4FP
1/4"	3/8"	BSPP	15/16"	41,7	25,7	27,4	Steel	41	SM-252-6FB
1/4"	3/8" - 18	NPTF	15/16"	41,7	25,7	27,4	Steel	67	SM-252-6FP
1/2"	1/2"	BSPP	1 1/16"	51,1	16,5	31,2	Steel	82	SM-502-8FB
1/2"	1/2" - 14	NPTF	1 1/16"	51,1	23,4	31,2	Steel	70	SM-502-8FP
1/2"	3/4"	BSPP	1 3/8"	66,8	27,9	40,4	Steel	156	SM-502-12FB
1/2"	3/4" - 14	NPTF	1 3/8"	58,7	20,3	40,4	Steel	151	SM-502-12FP
3/4"	3/4"	BSPP	1 1/2"	66	18,5	43,9	Steel	254	SM-752-12FB
3/4"	3/4" - 14	NPTF	1 1/2"	63	15	43,9	Steel	231	SM-752-12FP
3/4"	1"	BSPP	1 5/8"	68,3	22,1	47,8	Steel	308	SM-752-16FB
3/4"	1" - 11 1/2	NPTF	1 5/8"	68,3	22,1	47,8	Steel	278	SM-752-16FP

* Exposed length. This dimension represents the portion that is exposed when the nipple is inserted into the mating Parker coupler.

⚠ Please consider our security advices on the pages 12/13 ⚠

Dust Protection — SM-Series

	Body Size	Version	Material	Part Number
	1/4"	for coupling	Rubber	PR-25
	1/2"	for coupling	Rubber	DP-50
	1/4"	for plug	Rubber	CR-25
	1/2"	for plug	Rubber	DC-50
	1/4"	for coupling	Aluminium	P-25
	1/2"	for coupling	Aluminium	P-50
	3/4"	for coupling	Aluminium	P-75
	1/4"	for plug	Aluminium	C-25
	1/2"	for plug	Aluminium	C-50
	3/4"	for plug	Aluminium	C-75

Seal-Kit — SM-Series

	Body Size	Version	Material	Part Number
	1/4"	Seal	NBR	020113N0674
	1/2"	Seal	NBR	020211N0674
	1/2"	Back-up ring	PTFE	50014-211
	3/4"	Seal	NBR	020219N0674
	3/4"	Back-up ring	PTFE	50014-219

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