Ball Locking
Parker Profile

Parker
Parker Profile

Body Size
3/8" up to 1"

Parker Profile
NS-Series

Medium Pressure



Technical Description
The NS series is unique among non spill types in having a recess on the female side to help locate the male during connection, making the process easy even in „blind" conditions. Minimal fluid loss during disconnection. NS couplings have minimal pressure drop and minimal inclusion of air or dust during connection.

Advantages
Push to connect system: Push on the male tip to connect. Flush-faced poppet valve for reduced spillage during connection/disconnection. The seal is crimped to prevent seal washout at high flow rates.
Solid steel barstock construction: induction-hardened for a quality coupling with maximum resistance to damage from hydraulic and mechanical shock and brinelling. A safety sleeve lock prevents accidental disconnection. Sleeve is rotated to the stop to engage the lock.

Applications
- Maintenance of high-voltage power transmission lines
- Construction, railway maintenance and mining industry
- Inplant use where oil spillage can create a hazard
- Overhead bucket hoists

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 Pessure connected
3/8"	175 bar
1/2"	175 bar
3/4"	175 bar
1"	175 bar

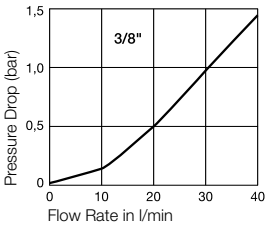
Leckage and Air Inclusion

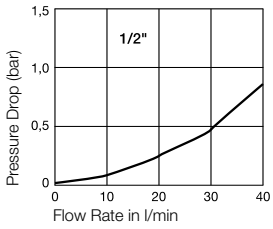
Body Size	Spillage max. per disconnection	Air inclusion max. per disconnection
3/8"	0,020 ml	0,010 ml
1/2"	0,070 ml	0,020 ml
3/4"	0,150 ml	0,050 ml
1"	0,220 ml	0,070 ml

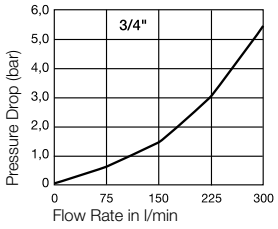
Material Coupling	Standard
Coupling Body	Steel
Sleeve	Steel
Back-up Ring	PTFE
Valve	Steel
Springs	Steel
Locking Balls	Stainless Steel
Seals	NBR

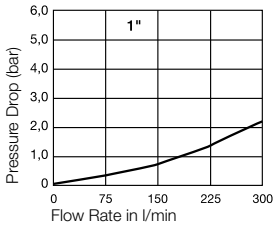
Material Plug	Standard
Plug Body	Steel
Valve	Steel
Springs	Steel
Seals	NBR
Valve Holder	Aluminium

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

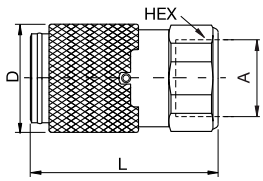








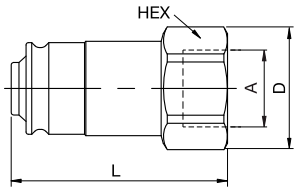
Couplings NS-Series



Female Thread*

Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	Version	Weight gr.	Part Number
3/8"	3/8"	BSPP	1 1/16"	53,3		28,7	Steel	164	NS-371-6FB
3/8"	3/8" - 18	NPSF	1 1/16"	53,3		28,7	Steel	174	NS-371-6FP
1/2"	1/2"	BSPP	1 1/4"	75,4		39,2	Steel	373	NS-501-8FB
1/2"	1/2" - 14	NPSF	1 1/4"	73,2		39,2	Steel	389	NS-501-8FP
3/4"	3/4"	BSPP	1 9/16"	85,3		49,8	Steel	711	NS-751-12FB
3/4"	3/4" - 14	NPSF	1 9/16"	81		49,8	Steel	694	NS-751-12FP
1"	1"	BSPP	1 3/4"	96,8		57,2	Steel	775	NS-1001-16FB
1"	1" - 11 1/2	NPSF	1 3/4"	94		57,2	Steel	1065	NS-1001-16FP

Plugs NS-Series



Female Thread*

Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	Version	Weight gr.	Part Number
3/8"	3/8"	BSPP	15/16"	31,8	45,2	27,4	Steel	70	NS-372-6FB
3/8"	3/8" - 18	NPSF	15/16"	29,7	43,2	27,4	Steel	73	NS-372-6FP
1/2"	1/2"	BSPP	1 1/16"	21,1	49,5	31,2	Steel	106	NS-502-8FB
1/2"	1/2" - 14	NPSF	1 1/16"	17,5	46	31,2	Steel	96	NS-502-8FP
3/4"	3/4"	BSPP	1 3/8"	34	62,7	40,4	Steel	233	NS-752-12FB
3/4"	3/4" - 14	NPSF	1 3/8"	28,4	57,2	40,4	Steel	237	NS-752-12FP
1"	1"	BSPP	1 5/8"	42,7	70,6	47,8	Steel	355	NS-1002-16FB
1"	1" - 11 1/2	NPSF	1 5/8"	39,1	67,1	47,8	Steel	326	NS-1002-16FP

*NPSF threads in this series are straight (cylindrical) instead of trapered. These threads are primalrily intended for assembly with full length NPTF external taper threads.

Dust Protection NS-Series



Body Size	Version	Material	Part Number
3/8"	for coupling and plug	Thermoplastic	NR-37
1/2"	for coupling and plug	Thermoplastic	NR-50
3/4"	for coupling and plug	Thermoplastic	NR-75
1"	for coupling and plug	Thermoplastic	NR-100

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