



Technical Description

Non-valved couplings. Maximal flow. Minimal pressure drop. Easy cleaning. This series is also manufactured as an alternative in steel and AISI 316 material.

Advantages

No valving allows minimal pressure drop, maximal flow and easy cleaning. The ball locking mechanism with eight balls to distributes the work load assures low wearing and good alignment of the couplings. High resistance to brinelling due to heat treated nipples.

Applications

- Food industry
- High pressure water and steam washers
- Dye transfer lines
- Mold coolant lines
- Carpet cleaners

Working Temperature

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

Sleeve-Lock

ST series couplers can be furnished with locking sleeves. Place suffix letters **SL** (Sleeve-lock) after regular catalog numbers. Example: **SST-4M-SL**

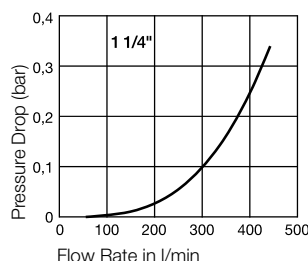
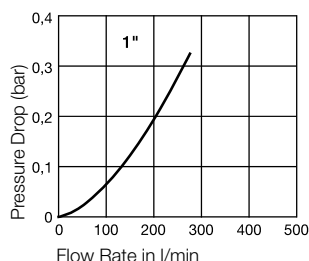
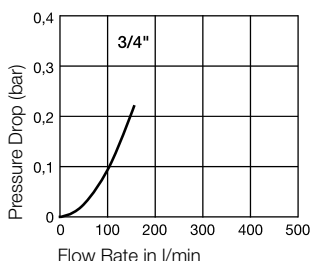
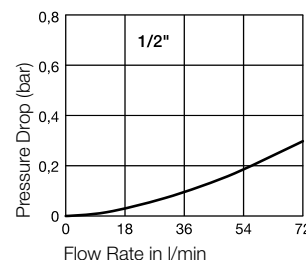
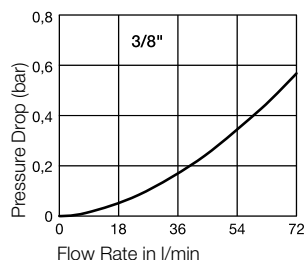
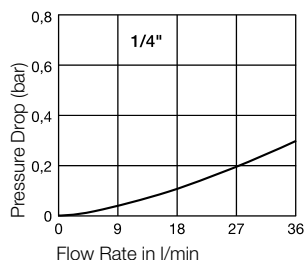
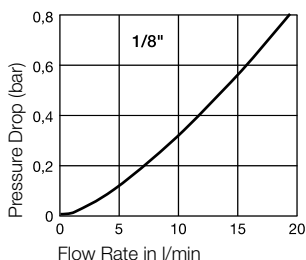
Working Pressure

Body Size	Brass	Stainless Steel
1/8"	175 bar	290 bar
1/4"	360 bar	460 bar
3/8"	185 bar	380 bar
1/2"	150 bar	210 bar
3/4"	120 bar	210 bar
1"	80 bar	120 bar
1 1/4"	120 bar	
1 1/2"	95 bar	

Material Coupling	Brass	Stainless Steel
Coupling Body	Brass	AISI 303
Sleeve	Brass	AISI 303
Back-up Ring	AISI 303	AISI 303
Valve	AISI 303	AISI 303
Seals	NBR	NBR
Locking Balls	Brass	AISI 303

Material Plug	Brass	Stainless Steel
Plug Body	Brass	AISI 303

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

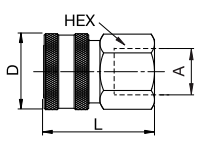


Couplings

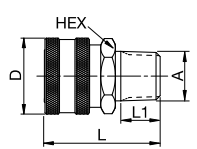
ST-Series Brass

Body Size	Connection A	Thread	Hex	L mm	L1 mm	L2 mm	D mm	Bore mm	Version	Weight gr.	Part Number
1/8"	1/8" - 27	NPTF	9/16"	25,4			17,5	4,4	Brass	29	BST-1
1/4"	1/4"	BSPP	13/16"	39,1			23,8	6,4	Brass	85	BST-2-BSPP
1/4"	1/4" - 18	NPTF	13/16"	37,3			23,8	6,4	Brass	83	BST-2
3/8"	3/8"	BSPP	1"	41,7			29,0	9,5	Brass	122	BST-3-BSPP
3/8"	3/8" - 18	NPTF	1"	41,8			29,0	9,5	Brass	130	BST-3
1/2"	1/2"	BSPP	1 1/8"	50,3			33,3	11,9	Brass	186	BST-4-BSPP
1/2"	1/2"-14	NPTF	1 1/8"	48,5			33,3	11,9	Brass	189	BST-4
3/4"	3/4"	BSPP	1 7/16"	54,6			41,7	18,3	Brass	294	BST-6-BSPP
3/4"	3/4" - 14	NPTF	1 7/16"	52,1			41,7	18,3	Brass	316	BST-6
1"	1"	BSPP	1 3/4"	61,7			50,8	23,8	Brass	467	BST-8-BSPP
1"	1" - 11 1/2	NPTF	1 3/4"	58,7			50,8	23,8	Brass	477	BST-8
1 1/4"	1 1/4" -11 1/2	NPTF	2"	62,0			64,0	30,2	Brass	720	BST-10
1 1/4"	1 1/2"-11 1/2	NPTF	2 1/2"	72,9			76,2	38,1	Brass	1176	BST-12

Body Size	Connection A	Thread	Hex	L mm	L1 mm	L2 mm	D mm	Bore mm	Version	Weight gr.	Part Number
1/8"	1/8" - 27	NPTF	9/16"	26,9	9,5		17,5	4,4	Brass	24	BST-1M
1/4"	1/4" - 18	NPTF	13/16"	42,9	13,5		23,8	6,4	Brass	92	BST-2M
3/8"	3/8" - 18	NPTF	1"	44,5	14,5		29,0	9,5	Brass	108	BST-3M
1/2"	1/2" - 14	NPTF	1 1/8"	50,5	19,1		33,3	11,9	Brass	152	BST-4M
3/4"	3/4" - 14	NPTF	1 7/16"	55,1	13,9		41,7	18,3	Brass	227	BST-6M
1"	1" - 11 1/2	NPTF	1 3/4"	64,3	25,4		50,8	23,8	Brass	402	BST-8M



Female Thread

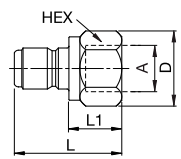


Male Thread

Plugs

ST-Series Brass

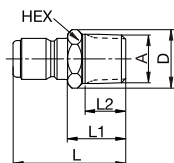
Body Size	Connection A	Thread	Hex	L mm	L1 mm	L2 mm	D mm	Bore mm	Version	Weight gr.	Part Number
1/8"	1/8" - 27	NPTF	9/16"	24,6	14,3		16,4	4,4	Brass	15	BST-N1
1/4"	1/4"	BSPP	3/4"	37,1	18,1		21,9	6,4	Brass	40	BST-N2-BSPP
1/4"	1/4" - 18	NPTF	3/4"	37,1	18,1		21,9	6,4	Brass	48	BST-N2
3/8"	3/8"	BSPP	7/8"	41,9	19,1		25,6	9,5	Brass	57	BST-N3-BSPP
3/8"	3/8" - 18	NPTF	7/8"	41,3	19,1		25,6	9,5	Brass	58	BST-N3
1/2"	1/2"	BSPP	1 1/8"	48,5	24,7		32,9	11,9	Brass	110	BST-N4-BSPP
1/2"	1/2" - 14	NPTF	1 1/8"	48,5	24,7		32,9	11,9	Brass	114	BST-N4
3/4"	3/4"	BSPP	1 3/8"	54,5	26,5		40,2	18,3	Brass	172	BST-N6-BSPP
3/4"	3/4" - 14	NPTF	1 3/8"	54,5	26,5		40,2	18,3	Brass	175	BST-N6
1"	1"	BSPP	1 5/8"	59,6	29,0		47,5	23,8	Brass	271	BST-N8-BSPP
1"	1" - 11 1/2	NPTF	1 5/8"	59,6	29,0		47,5	23,8	Brass	240	BST-N8
1 1/4"	1 1/4" -11 1/2	NPTF	2"	60,3	29,2		58,4	30,2	Brass	482	BST-N10
1 1/2"	1 1/4" -11 1/2	NPTF	2 3/8"	71,3	29,7		69,5	38,1	Brass	688	BST-N12



Female Thread

Plugs

ST-Series Brass

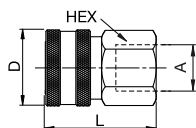


Male Thread

Body Size	Connection A	Thread	Hex	L mm	L1 mm	L2 mm	D mm	Bore mm	Version	Weight gr.	Part Number
1/8"	1/8"-27	NPTF	7/16"	26,3	15,9	9,5	12,8	4,4	Brass	11	BST-N1M
1/4"	1/4"-18	NPTF	9/16"	38,8	19,8	13,5	16,4	6,4	Brass	27	BST-N2M
1/4"	1/4"	BSPT	9/16"	38,8	19,8	8,4	16,4	6,4	Brass	31	BST-N2M-BSPT
3/8"	3/8"-18	NPTF	11/16"	42,9	20,7	14,5	20,1	9,5	Brass	40	BST-N3M
3/8"	3/8"	BSPT	11/16"	42,9	20,7	8,7	20,1	9,5	Brass	39	BST-N3M-BSPT
1/2"	1/2"-14	NPTF	7/8"	49,2	25,4	19,1	25,6	11,9	Brass	68	BST-N4M
1/2"	1/2"	BSPT	7/8"	49,2	25,4	11,3	25,6	11,9	Brass	67	BST-N4M-BSPT
3/4"	3/4"-14	NPTF	1 1/16"	55,7	27,8	13,9	31,0	18,3	Brass	107	BST-N6M
3/4"	3/4"	BSPT	1 1/16"	55,7	27,8	12,7	31,0	18,3	Brass	107	BST-N6M-BSPT
1"	1"-11 1/2	NPTF	1 3/8"	63,7	33,1	25,4	40,2	23,8	Brass	208	BST-N8M
1"	1"	BSPT	1 3/8"	63,7	33,1	14,4	40,2	23,8	Brass	238	BST-N8M-BSPT

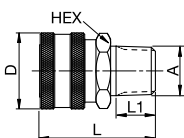
Couplings

ST-Series Stainless Steel



Female Thread

Body Size	Connection A	Thread	Hex	L mm	L1 mm	L2 mm	D mm	Bore mm	Version	Weight gr.	Part Number
1/8"	1/8"-27	NPTF	9/16"	25,4			17,5	4,4	AISI 303	23	SST-1
1/4"	1/4"	BSPP	13/16"	39,1			23,8	6,4	AISI 303	74	SST-2-BSPP
1/4"	1/4"-18	NPTF	13/16"	37,3			23,8	6,4	AISI 303	75	SST-2
3/8"	3/8"	BSPP	1"	41,7			29,0	9,5	AISI 303	115	SST-3-BSPP
3/8"	3/8"-18	NPTF	1"	40,4			29,0	9,5	AISI 303	117	SST-3
1/2"	1/2"	BSPP	1 1/8"	50,3			33,3	11,9	AISI 303	172	SST-4-BSPP
1/2"	1/2"-14	NPTF	1 1/8"	48,5			33,3	11,9	AISI 303	174	SST-4
3/4"	3/4"	BSPP	1 7/16"	54,6			41,7	18,3	AISI 303	268	SST-6-BSPP
3/4"	3/4"-14	NPTF	1 7/16"	52,1			41,7	18,3	AISI 303	304	SST-6
1"	1"-11 1/2	NPTF	1 3/4"	58,7			50,8	23,8	AISI 303	519	SST-8

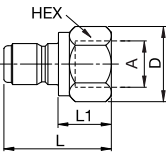
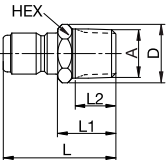


Male Thread

1/8"	1/8"-27	NPTF	9/16"	26,9	9,5		17,5	4,4	AISI 303	22	SST-1M
1/4"	1/4"-18	NPTF	13/16"	42,9	13,5		23,8	6,4	AISI 303	71	SST-2M
3/8"	3/8"-18	NPTF	1"	44,5	14,5		29,0	9,5	AISI 303	100	SST-3M
1/2"	1/2"-14	NPTF	1 1/8"	50,5	19,1		33,3	11,9	AISI 303	149	SST-4M
3/4"	3/4"-14	NPTF	1 7/16"	55,1	13,9		41,7	18,3	AISI 303	211	SST-6M
1"	1"-11 1/2	NPTF	1 3/4"	64,3	25,4		50,8	23,8	AISI 303	385	SST-8M


Plugs

ST-Series Stainless Steel

	Body Size	Connection A	Thread	Hex	L mm	L1 mm	L2 mm	D mm	Bore mm	Version	Weight gr.	Part Number
 <p>Female Thread</p>	1/8"	1/8"-27	NPTF	9/16"	24,8	14,3		16,4	4,4	AISI 303	17	SST-N1
	1/4"	1/4"	BSPP	3/4"	37,1	18,1		21,9	6,4	AISI 303	36	SST-N2-BSPP
	1/4"	1/4"-18	NPTF	3/4"	37,1	18,1		21,9	6,4	AISI 303	36	SST-N2
	3/8"	3/8"	BSPP	7/8"	41,3	19,1		25,6	9,5	AISI 303	53	SST-N3-BSPP
	3/8"	3/8"-18	NPTF	7/8"	41,3	19,1		25,6	9,5	AISI 303	50	SST-N3
	1/2"	1/2"	BSPP	1 1/8"	48,5	24,7		32,9	11,9	AISI 303	103	SST-N4-BSPP
	1/2"	1/2"-14	NPTF	1 1/8"	48,5	24,7		32,7	11,9	AISI 303	105	SST-N4
	3/4"	3/4"	BSPP	1 3/8"	54,5	26,5		40,2	18,3	AISI 303	156	SST-N6-BSPP
	3/4"	3/4"-14	NPTF	1 3/8"	54,5	26,5		40,2	18,3	AISI 303	169	SST-N6
	1"	1"-11 1/2	NPTF	1 5/8"	59,6	29,0		47,5	23,8	AISI 303	272	SST-N8
 <p>Male Thread</p>	1/8"	1/8"-27	NPTF	7/16"	26,3	15,9	9,5	12,8	4,4	AISI 303	10	SST-N1M
	1/4"	1/4"-18	NPTF	9/16"	38,8	19,8	13,5	16,4	6,4	AISI 303	24	SST-N2M
	3/8"	3/8"-18	NPTF	11/16"	42,9	20,7	14,5	20,1	9,5	AISI 303	41	SST-N3M
	1/2"	1/2"-14	NPTF	7/8"	49,2	25,4	19,1	25,6	11,9	AISI 303	64	SST-N4M
	3/4"	3/4"-14	NPTF	1 1/16"	55,7	27,8	13,9	31,0	18,3	AISI 303	100	SST-N6M
	1"	1"-11 1/2	NPTF	1 3/8"	63,7	33,1	25,4	40,2	23,8	AISI 303	198	SST-N8M

Seal-Kit

ST-Series

	Body Size	Version	Material	Part Number
	1/8"	Seal	NBR	020010N0674
	1/4"	Seal	NBR	020110N0674
	3/8"	Seal	NBR	020112N0674
	1/2"	Seal	NBR	020114N0674
	3/4"	Seal	NBR	020212N0674
	1"	Seal	NBR	020217N0674
	1 1/4"	Seal	NBR	020222N0674
	1 1/2"	Seal	NBR	020327N0674



Body Size

3/8" up to 1"

Parker Profile

NS-Series

**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 Pressure connected
3/8"	175 bar
1/2"	175 bar
3/4"	175 bar
1"	175 bar

Leakage 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