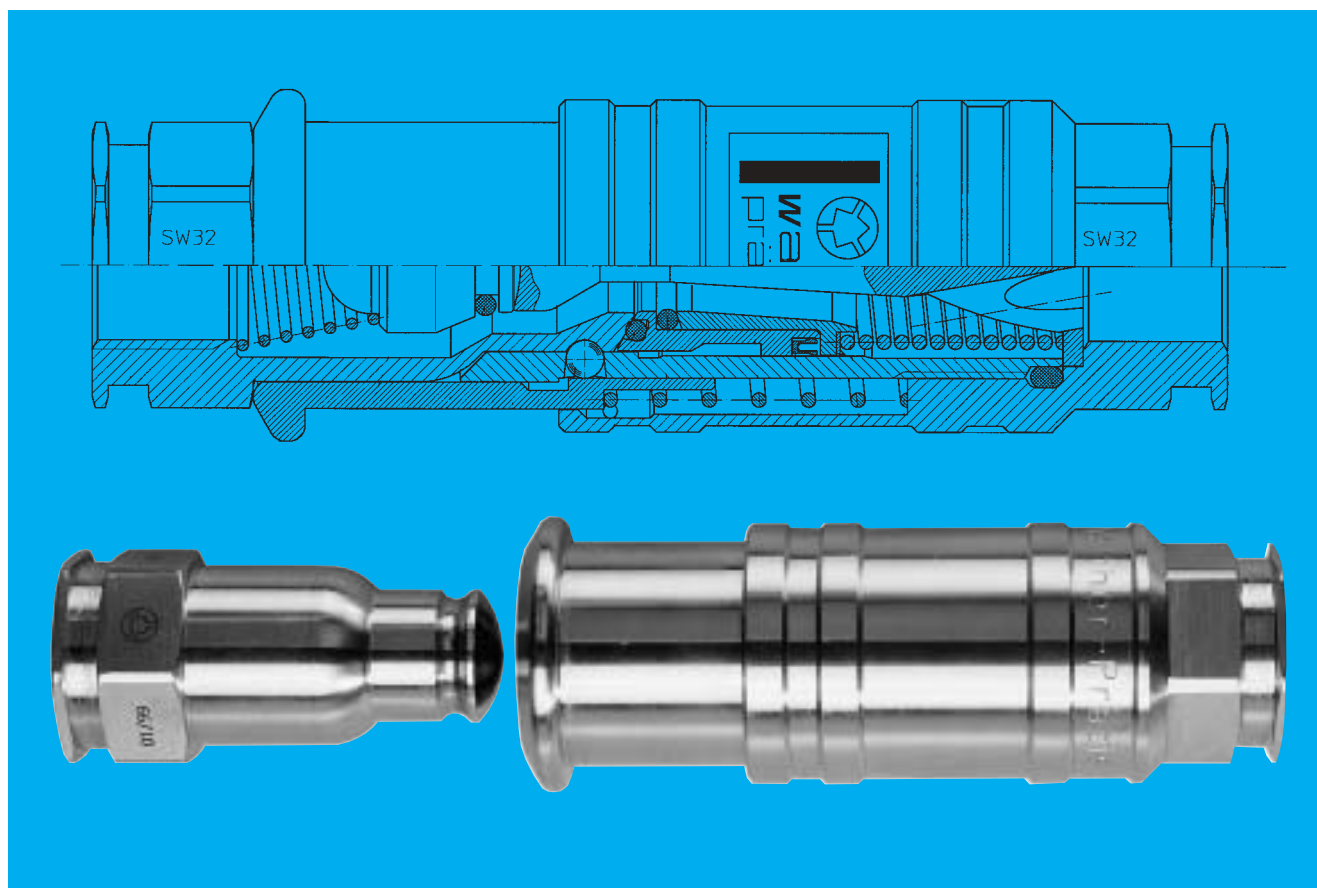


Nom. bore	Type	Max. static working pressure [bar/psi] stainless steel	C _v value both sides self sealing	Page
5	BF-005	64/930*	0.8	82
9	BF-009	64/930*	4.0	82
12	BF-012	64/930*	8.0	82
Performance diagrams				84

* Restrictions possible when using perfluorelastomer seals.

Clean break coupling in stainless steel, particularly for challenging fluids or gaseous media. Highest safety standard and optimal handling through automatic lock. Can be used for both, non-lubricating media (such as demineralized water, "dry gases") as well as self-lubricating media (such as oils and soap solutions). Long-term proven for solvents, chemical fluids, thermal oils and steam. Also used for lyes, various acids and many other media.



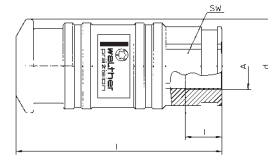
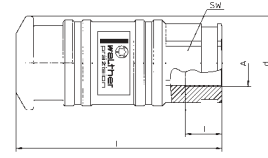
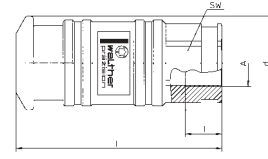
characteristic features:
 - automatic lock (one hand operation)
 - disconnection without loss of medium
 - connection without air inclusion
 - easy cleaning

materials:
standard:
 1 = stainless steel 1.4404/1.4571 or similar

seal qualities:
 2 = FKM
 4 = EPDM
 FFKM = perfluorine elastomers

Please note the technical data on pages and the 2 - 7, 84 max. working pressures on page 81

Availability: ● Short ○ Medium ○ Long

	Part No.	Connec- tion A	AISI 316 ti/ 1.4571	series	pipe OD	d	SW	l	t	n	weight [g]
 <p>British standard pipe parallel (BSPP) female thread to DIN ISO 228</p>	BF-005-0-WR513-...	BSPP 1/4"	●			29	22	64	13		165
	BF-005-2-WR513-...	BSPP 1/4"	●			24,5	22	37,5	13	23,5	50
 <p>British standard pipe parallel (BSPP) female thread to DIN ISO 228</p>	BF-009-0-WR521-...	BSPP 1/2"	●			44	32	118	17		630
	BF-009-2-WR521-...	BSPP 1/2"	●			35,7	32	68	15	47,8	190
 <p>British standard pipe parallel (BSPP) female thread to DIN ISO 228</p>	BF-012-0-WR526-...	BSPP 3/4"	●			64	46	137	19		1300
	BF-012-2-WR526-...	BSPP 3/4"	●			51,2	46	78,3	17,5	54,2	440

Features

- clean break (with little spillage and air inclusion)
- easy cleanable smooth ball-face contour when locking sleeve is pulled back
- squirt-free
- low couple force
- good precentering during connection
- automatic lock
- identical female threads in for self sealing coupling and adaptor
- very little volume displacement from beginning of connection until point of valve opening
- protective caps for self sealing couplings and adaptors available
- ATEX version available

Technical values

	BF-005	BF-009	BF-012
Connection force depressurized	70 N	110 N	160 N
Displacement volume until start of flow Adaptor: Coupling:	approx. 0.02 cm ³ approx. 0.13 cm ³	approx. 0.12 cm ³ approx. 0.20 cm ³	approx. 1.60 cm ³ approx. 1.80 cm ³
Displacement volume at full couple stroke	approx. 0.75 cm ³	approx. 6.20 cm ³	approx. 15.8 cm ³
Max. pressure in 1 coupling half when connecting with max. 300 N force per adaptor (coupling 0) per coupling (adaptor 0)	64 bar / 930 psi 25 bar / 360 psi	12 bar / 175 psi 6 bar / 90 psi	7 bar / 100 psi 3 bar / 45 psi
Inclusion volume during connection	approx. 0.011 cm ³	approx. 0.078 cm ³	approx. 0.125 cm ³
Theoretical leakage volume during disconnection for incompressible liquids	approx. 0.013 cm ³	approx. 0.091 cm ³	approx. 0.150 cm ³

Measurement of flow coefficients C_v according to DIN EN 60534

A flow speed of 8 m/sec should not be exceeded.

Both sides self sealing

