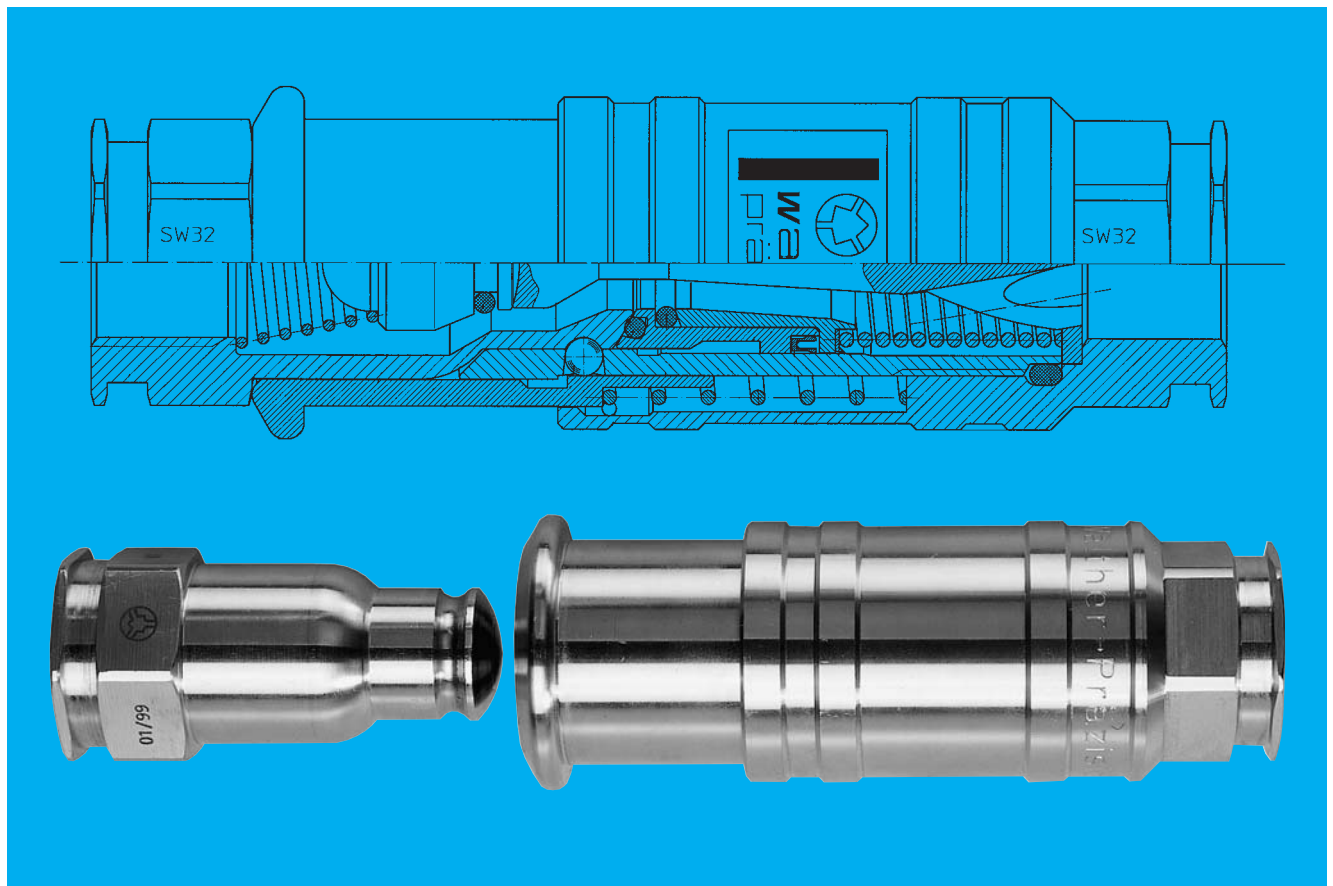


Nom. bore	Type	Max. static working pressure [bar/psi] stainless steel	C _v value both sides self sealing	Page
5	BF-005	64/930	0.8	82
9	BF-009	64/930	4.0	82
12	BF-012	64/930	8.0	82
Performance diagrams				84

- Features:**
- disconnection without loss of medium and connection without air inclusion
 - easy cleaning of ball face front
 - guiding sleeve for easy orientation
 - automatic lock (one hand operation)
 - guiding sleeve retractable for cleaning
 - further sizes on request



characteristic features:

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

materials:

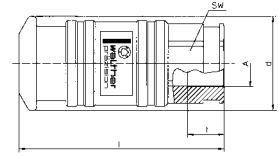
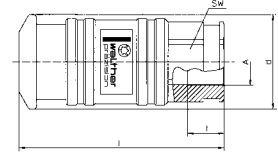
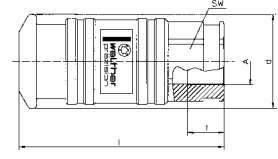
standard:
1 = stainless steel 1.4404/1.4571 or similar

seal qualities:

2 = FPM (Viton)
4 = EPDM
FFPM = 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.	Conne- tion A	AISI 316 A1/1.4571	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	38	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"	●			35,5	32	68	17	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	46	79,5	19	54,2	440

Technical characteristics

- The quick couplings of the Series BF (ball face) were primarily developed for applications in the chemical industry.
- They can be used for both, non-lubricating (such as demineralized water, process liquids, „dry“ gases, solvents) and lubricating media (such as oils, soap solutions).
- The fitting components are produced in stainless steel 1.4404 and /or 1.4571 (AISI 316 I / 316 ti). The media compatibility results from the characteristics of the stainless steels in combination with the used seal qualities. The seal qualities which can be chosen are FPM, EPDM and FFKM (perfluorine elastomers) – some of the used seals are always in PTFE.
- Quick couplings of the BF-Series can be cleaned in an exemplary way due to their adjustable ball face cleaning position.
- Each BF coupling is equipped with an automatic lock and thus has a simple push to connect operation.
- Connection and disconnection are carried out squirtfree and with very little air inclusion and spillage.
- Pressure retaining protection caps (additional sealing system) can be supplied for self-sealing adaptors in stainless steel 1.4404 and/or 1.4571 (AISI 316 I / 316 ti).

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 incompressable liquids	approx. 0.013 cm ³	approx. 0.091 cm ³	approx. 0.150 cm ³

Measured according to
VDI/VDE 2173

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

Both sides
self sealing

