

# MANUFACTURER'S DECLARATION

## BRACEFITTING E\*BFS

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Kisdorfer Weg 28  
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Germany



declares that the following BraceFittinge:

Product designation: from E\*BFS-07(-\*\*)-(-\*\*) until E\*BFS-48(-\*\*)-(-\*\*)

consist of the following materials:

- Brass - 2.0401 (Ms58/CuZn39Pb3/CW614N/C38500/CZ121) ISO 1456-Cu/Ni6b
- Stainless steel A2 - 1.4305 (A2/V2A/X8CrNiS18-9/303/303S22)
- Stainless steel A4 - 1.4404 (A4/V4A;X2CrNiMo17-12-2;316L;316S11)
- PA6 UL-V0 HL3
- TPU ShoreA67 natur
- EPDM ShoreA85

They are subject to the test standard DIN EN 61386-1. In this standard, the tightening torques are set up to a nominal thread diameter of 10mm. The following table shows an assignment of these values.

Nenngewindedurchmesser		Drehmoment	
mm		Nm	
über	bis einschließlich	I <sup>a</sup>	II <sup>b</sup>
–	2,8	0,4	0,4
2,8	3,0	0,5	0,5
3,0	3,2	0,6	0,6
3,2	3,6	0,8	0,8
3,6	4,1	1,2	1,2
4,1	4,7	1,8	1,8
4,7	5,3	2,0	2,0
5,3	6,0	2,5	3,0
6,0	8,0	3,5	6,0
8,0	10,0	4,0	10,0

<sup>a</sup> Spalte I bezieht sich auf Schrauben, die mittels Schraubendreher angezogen werden.  
<sup>b</sup> Spalte II bezieht sich auf Schrauben und Muttern, die auf eine andere Art und Weise als mittels Schraubendreher angezogen werden.

However, the BraceFittinge have larger nominal thread diameter. The test standard DIN EN 61386-1 specifies that the manufacturer of so-called pipe end accessories can define the tightening torques himself.

The following table shows the values for the corresponding WISKA BraceFittings:

		Thread size							
		M12	M16	M20	M25	M32	M40	M50	M63
Torque for BraceFitting [Nm]	EBFS-07	1,7							
	EBFS-10	1,0	1,3						
	EBFS-12		2,1	1,6					
	EBFS-14			3,3					
	EBFS-17			3,3	3,5				
	EBFS-23				3,5	3,5			
	EBFS-29					9,0	7,0		
	EBFS-36						6,6	7,0	
	EBFS-48							5,5	5,8

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		Thread size							
		M12	M16	M20	M25	M32	M40	M50	M63
Torque for BraceFitting with EMUG & EMUF [Nm]	EBFS-07	1,7							
	EBFS-10	1,0	1,3						
	EBFS-12		2,1	1,6					
	EBFS-14			3,3					
	EBFS-17			3,3	3,5				
	EBFS-23				3,5	3,5			
	EBFS-29					9,0	7,0		
	EBFS-36						6,6	7,0	
EBFS-48							5,5	5,8	

For the BraceFittings with metal thread, the torques are given in the following table:

		Thread size							
		M12	M16	M20	M25	M32	M40	M50	M63
Torque for BraceFitting [Nm]	EMBFS-07	3,5							
	EMBFS-10		3,0	3,0					
	EMBFS-12		4,0	4,0					
	EMBFS-14			4,0					
	EMBFS-17			5,0	4,5				
	EMBFS-23				4,5	4,5			
	EMBFS-29					4,5	5,0		
	EMBFS-36						12,0	12,0	
EMBFS-48							12,5	14,0	

		Thread size							
		M12	M16	M20	M25	M32	M40	M50	M63
Torque for BraceFitting with EMMU [Nm]	EMBFS-07	3,0							
	EMBFS-10		3,0	3,0					
	EMBFS-12		4,0	4,0					
	EMBFS-14			4,0					
	EMBFS-17			4,0	4,0				
	EMBFS-23				4,4	4,5			
	EMBFS-29					4,5	6,0		
	EMBFS-36						7,5	7,0	
EMBFS-48							9,0	12,0	

For brace fittings with female metal threads, the torques are given in the following table:

		Thread size							
		M12	M16	M20	M25	M32	M40	M50	M63
Torque for BraceFitting [Nm]	EMBFSI-10		3,0						
	EMBFSI-12		3,0	3,0					
	EMBFSI-17			3,0					
	EMBFSI-23				4,5				
	EMBFSI-29					4,0			
	EMBFSI-36						4,5		
	EMBFSI-48							-	-

WISKA Hoppmann GmbH  
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