

# TAC FITTINGS

For Nylon Tubes, Urethane Tubes,  
and Pipe threads

- Compact fitting series for all kinds of compact equipment.
- Wide selection of compact fittings.
- Dedicated nylon tubes are available.

## Types and Specifications

### Common specifications




Media	Air	
Operating pressure range	MPa [psi.]	0~0.9 [0~131] <sup>Note</sup>
Proof pressure	MPa [psi.]	1.35 [196] <sup>Note</sup>



Note: Always check the specifications of tubes used.



Remark: For the SUS and NCU specifications, see p.351.

- The recommended tightening torques for thread sizes M3×0.5 and M5×0.8 are 0.6N·m [5.3in·lbf] and 1.6N·m [14.2in·lbf].

### Fittings for nylon tubes

Name and type		Straight (barb fitting)								
										
Model		BF3.2-M3	BF4-M3	BF3.2	BF4	BF5	BF6	PBF3.2	PBF5	PBF6
Port size		M3×0.5 (male thread)			M5×0.8 (male thread)			R1/8 (male thread)		
Applicable tube O.D.×I.D.mm		3.2×2.4	4×2.5	3.2×2.4	4×2.5	5×3	6×4	3.2×2.4	5×3	6×4
Effective area mm <sup>2</sup>		1.0		1.7		2.0	3.6	1.8	2.2	3.9
Operating temperature range °C [°F]		0~60 [32~140]								
Material		Stainless steel			Brass (nickel plated)					
Mass g [oz.]		0.7 [0.025]		1.3 [0.046]	1.6 [0.056]	1.4 [0.049]	1.5 [0.053]	5.3 [0.187]	5.4 [0.190]	5.5 [0.194]
Remark	Attachment	With 1 gasket						—		
	Sales unit	1 pack (10 pcs.)						1 pack (5 pcs.)		

Name and type		Straight (clamp fitting)								
										
Model		BF3.2N	BF4N	BF5N	BF6N	BF3.2N-01	BF4N-01	BF5N-01	BF6N-01	
Port size		M5×0.8 (male thread)				R1/8 (male thread)				
Applicable tube O.D.×I.D.mm		3.2×2.4	4×2.5	5×3	6×4	3.2×2.4	4×2.5	5×3	6×4	
Effective area mm <sup>2</sup>		1.6	2.0	2.7	3.2	1.6	2.1	2.7	3.6	
Operating temperature range °C [°F]		0~60 [32~140]								
Material		Brass (nickel plated)								
Mass g [oz.]		5.0 [0.176]	4.5 [0.159]	5.0 [0.176]	4.0 [0.141]	10.5 [0.370]	10.0 [0.353]	9.5 [0.335]		
Remark	Attachment	With 1 gasket				—				
	Sales unit	1 pack (10 pcs.)								

Name and type		Universal elbow (barb fitting)						Universal elbow (clamp fitting)		
										
Model		UEF3.2-M3	UEF4-M3	UEF3.2	UEF4	UEF5	UEF6	UEF4N	UEF5N	UEF6N
Port size		M3×0.5 (male thread)		M5×0.8 (male thread)			M5×0.8 (male thread)			
Applicable tube O.D.×I.D.mm		3.2×2.4	4×2.5	3.2×2.4	4×2.5	5×3	6×4	4×2.5	5×3	6×4
Effective area mm <sup>2</sup>		0.5		1.2			1.5	1.3	1.4	1.5
Operating temperature range °C [°F]		0~60 [32~140]								
Material		Body : Brass (nickel plated) Thread : Stainless steel		Brass (nickel plated)			Brass (nickel plated)			
Mass g [oz.]		1.7 [0.060]	1.8 [0.063]	5.4 [0.190]	5.5 [0.194]	5.7 [0.201]	5.9 [0.208]	13.0 [0.459]		
Remark	Attachment	With 2 gaskets						With 2 gaskets		
	Sales unit	1 pack (5 pcs.)						1 pack (5 pcs.)		