





















## Fittings for pipe threads

Name and type		Elbow	Universal elbow		Tee	Universal tee		Universal branch tee	Universal cross	Nipple	
											
Model		EF	UEF-M3	UEF	TF	UTF-M3	UTF	URTF	UXF	NF-M3	NF
Port size		M5×0.8 (female thread)	M3×0.5 (female and male thread)	M5×0.8 (female and male thread)	M5×0.8 (female thread)	M3×0.5 (female and male thread)	M5×0.8 (female and male thread)	M5×0.8 (female and male thread)	M5×0.8 (female and male thread)	M3×0.5 (male thread)	M5×0.8 (male thread)
Applicable tube O.D.×I.D.mm		—		—		—		—		—	
Effective area mm <sup>2</sup>		7.2	0.6	1.7	8.0	0.7	1.6	2.2	2.2	1.0	2.1
Operating temperature range °C [°F]		0~60 [32~140]									
Material		Brass (nickel plated)	Body: Brass (nickel plated) Thread: Stainless steel	Brass (nickel plated)	Brass (nickel plated)	Body: Brass (nickel plated) Thread: Stainless steel	Brass (nickel plated)	Brass (nickel plated)	Brass (nickel plated)	Stainless steel	Brass (nickel plated)
Mass g [oz.]		5.5 [0.194]	2.1 [0.074]	7.1 [0.250]	5.3 [0.187]	2.0 [0.071]	6.5 [0.229]	7.7 [0.272]	7.5 [0.265]	0.6 [0.021]	1.5 [0.053]
Remark	Attachment	—		With 2 gaskets		—		With 2 gaskets		With 2 gaskets	
	Sales unit	1 pack (10 pcs.)	1 pack (5 pcs.)		1 pack (10 pcs.)	1 pack (5 pcs.)		1 pack (5 pcs.)	1 pack (5 pcs.)	1 pack (10 pcs.)	

Name and type		Swivel fitting	Extension fitting		Coupling	Fitting for bulkhead	Bushing				
											
Model		SF	EXF-M3	EXF	CF-M3	CF	BHF	RBFM5-M3	RBF-M3	RBF	RBF1
Port size		M5×0.8 (female and male thread)	M3×0.5 (female and male thread)	M5×0.8 (female and male thread)	M3×0.5 (female thread)	M5×0.8 (female thread)	M5×0.8 (female thread)	M5×0.8-M3×0.5 (female and male thread)	R1/8-M3×0.5 (female and male thread)	R1/8-M5×0.8 (female and male thread)	R1/4-M5×0.8 (female and male thread)
Applicable tube O.D.×I.D.mm		—		—		—		—		—	
Effective area mm <sup>2</sup>		2.1	1.0	2.1	4.2	7.8	7.8	4.3		7.8	
Operating temperature range °C [°F]		0~60 [32~140]									
Material		Brass (nickel plated)	Stainless steel	Brass (nickel plated)	Brass (nickel plated)		Brass (nickel plated)	Brass (nickel plated)			
Mass g [oz.]		4.7 [0.166]	1.2 [0.042]	5.5 [0.194]	0.9 [0.032]	1.75 [0.0617]	12.6 [0.444]	1.3 [0.046]	9 [0.317]	7 [0.247]	18 [0.635]
Remark	Attachment	With 1 gasket	With 1 gasket		—		With 2 lock nuts and 2 lock washers	With 1 gasket	—		
	Sales unit	1 pack (10 pcs.)	1 pack (10 pcs.)		1 pack (10 pcs.)		1 pack (5 pcs.)	1 pack (5 pcs.)			