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KOGANEI

ACCESSORIES GENERAL CATALOG

AIR TREATMENT, AUXILIARY, VACUUM,
AND FLUORORESIN PRODUCTS

TAC FITTINGS CONTENTS

| | |
|---|-----|
| Types and Specifications (Fittings for nylon tubes) | 341 |
| Types and Specifications (Fittings for urethane tubes) | 343 |
| Types and Specifications (Fittings for pipe threads) | 344 |
| Dimensions | 346 |
| Model Table for SUS Specification and NCU Specification | 351 |

TAC FITTINGS

Remark: For TAC air valve lines, see the Valves General Catalog "TAC Air Valves" section.



Caution

Before use, be sure to read the "Safety Precautions" on p. 49.

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] ^{Note} |
| Proof pressure | MPa [psi.] | 1.35 [196] ^{Note} |



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 ² | 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 ² | 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 ² | 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.) | | |




Types and Specifications




| Name and type | | Universal tee (barb fitting) | | | | | Nipple (barb fitting) | | | | |
|-------------------------------------|------------|---|---------|-----------------------|-------------|-------------|---|-----------------------|-------------|---------------|---------------|
| | |  | | | | |  | | | | |
| Model | | UTF3.2-M3 | UTF4-M3 | UTF3.2 | UTF4 | UTF5 | UTF6 | NBF3.2 | NBF4 | NBF5 | NBF6 |
| Port size | | M3×0.5 (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 | 3.2×2.4 | 4×2.5 | 5×3 | 6×4 |
| Effective area mm ² | | 0.6 | | 1.6 | | 1.7 | | 1.6 | | 2.1 | 3.6 |
| 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.] | | 2.0 [0.071] | | 5.6 [0.198] | 5.7 [0.201] | 6.0 [0.212] | 6.4 [0.226] | 0.25 [0.0088] | 0.5 [0.018] | 0.75 [0.0265] | 1.25 [0.0441] |
| Remark | Attachment | With 2 gaskets | | | | | — | | | | |
| | Sales unit | 1 pack (5 pcs.) | | | | | 1 pack (10 pcs.) | | | | |


Types and Specifications

Fittings for urethane tubes

| Name and type | Straight | | Straight (barb fitting) | | | | | | |
|-------------------------------------|---|--|---|---|---|---|---|---|--|
| |  | |  |  |  |  |  |  | |
| Model | BF2BU-M3(-HN) ^{Note} | BF2BU(-HN) ^{Note} | BF3BU-M3 | BF4BU-M3 | BF3BU | BF4BU | PBF3BU | PBF4BU | |
| Port size | M3×0.5 (male thread) | M5×0.8 (male thread) | M3×0.5 (male thread) | | M5×0.8 (male thread) | | R1/8 (male thread) | | |
| Applicable tube O.D.×I.D.mm | 1.8×1 | | 3×1.5 | 4×2.5 | 3×1.5 | 4×2.5 | 3×1.5 | 4×2.5 | |
| Effective area mm ² | 0.25 | | 0.4 | 1.0 | 0.4 | 1.7 | 0.4 | 1.8 | |
| Operating temperature range °C [°F] | 0~60 [32~140] | | | | | | | | |
| Material | Stainless steel | | | | Brass (nickel plated) | | | | |
| Mass g [oz.] | 0.7 [0.025] ^{Note} (0.4 [(0.014)]) | 1.6 [0.056] ^{Note} (1.3 [0.046]) | 0.6 [0.021] | 0.7 [0.025] | 1.2 [0.042] | 1.6 [0.056] | 5.2 [0.183] | 5.3 [0.187] | |
| Remark | Attachment | With 1 gasket and 1 holder | | With 1 gasket | | | | — | |
| | Sales unit | 1 pack (10 pcs.) | | | | | | 1 pack (5 pcs.) | |

| Name and type | Straight (clamp fitting) | | | | Elbow | | Universal elbow (barb fitting) | | | |
|-------------------------------------|---|------------------|--------------------|-------------|---|--|---|-----------------|-----------------------|-------------|
| |  | | | |  | |  | | | |
| Model | BF4U | BF6U | BF4U-01 | BF6U-01 | UER2BU-M3(-HN) ^{Note} | UER2BU(-HN) ^{Note} | UEF3BU-M3 | UEF4BU-M3 | UEF3BU | UEF4BU |
| Port size | M5×0.8 (male thread) | | R1/8 (male thread) | | M3×0.5 (male thread) | M5×0.8 (male thread) | M3×0.5 (male thread) | | M5×0.8 (male thread) | |
| Applicable tube O.D.×I.D.mm | 4×2.5 | 6×4 | 4×2.5 | 6×4 | 1.8×1 | | 3×1.5 | 4×2.5 | 3×1.5 | 4×2.5 |
| Effective area mm ² | 2.0 | 3.2 | 2.1 | 3.6 | 0.25 | | 0.4 | 0.5 | 0.4 | 1.2 |
| Operating temperature range °C [°F] | 0~60 [32~140] | | | | | | | | | |
| Material | Brass (nickel plated) | | | | Stainless steel | | Body : Brass (nickel plated) Thread : Stainless steel | | Brass (nickel plated) | |
| Mass g [oz.] | 4.5 [0.159] | | 11.0 [0.388] | 9.5 [0.335] | 1.7 [0.060] ^{Note} (1.4 [0.049]) | 2.6 [0.092] ^{Note} (2.3 [0.081]) | 1.6 [0.056] | 1.8 [0.063] | 5.3 [0.187] | 5.5 [0.194] |
| Remark | Attachment | With 1 gasket | | — | | With 1 gasket and 1 holder | | With 2 gaskets | | |
| | Sales unit | 1 pack (10 pcs.) | | | | 1 pack (5 pcs.) | | 1 pack (5 pcs.) | | |

| Name and type | Universal elbow (clamp fitting) | | Universal tee (barb fitting) | | | | Different diameter nipple | | | |
|-------------------------------------|---|-----------------|---|-------------|-----------------------|-------------|---|--|-------------|--|
| |  | |  | | | |  | | | |
| Model | UEF4U | UEF6U | UTF3BU-M3 | UTF4BU-M3 | UTF3BU | UTF4BU | NBF3-2BU (-HN) ^{Note} | NBF4-2BU (-HN) ^{Note} | NBF4-3BU-HN | |
| Port size | M5×0.8 (male thread) | | M3×0.5 (male thread) | | M5×0.8 (male thread) | | | — | | |
| Applicable tube O.D.×I.D.mm | 4×2.5 | 6×4 | 3×1.5 | 4×2.5 | 3×1.5 | 4×2.5 | 1.8×1-3×1.5 | 1.8×1-4×2.5 | 3×1.5-4×2.5 | |
| Effective area mm ² | 1.3 | 1.5 | 0.4 | 0.6 | 0.4 | 1.6 | 0.25 | | 0.5 | |
| Operating temperature range °C [°F] | 0~60 [32~140] | | | | | | | | | |
| Material | Brass (nickel plated) | | Body : Brass (nickel plated) Thread : Stainless steel | | Brass (nickel plated) | | Stainless steel | | | |
| Mass g [oz.] | 13.0 [0.459] | | 1.9 [0.067] | 2.1 [0.074] | 5.5 [0.194] | 5.8 [0.205] | 0.5 [0.018] ^{Note} (0.2 [0.007]) | 0.6 [0.021] ^{Note} (0.3 [0.011]) | 0.3 [0.011] | |
| Remark | Attachment | With 2 gaskets | | | | | | With 1 holder | | |
| | Sales unit | 1 pack (5 pcs.) | | | | | | 1 pack (10 pcs.) | | |

| Name and type | Nipple (barb fitting) | |
|-------------------------------------|---|-----------------------|
| |  | |
| Model | NBF3BU | NBF4BU |
| Port size | — | |
| Applicable tube O.D.×I.D.mm | 3×1.5 | 4×2.5 |
| Effective area mm ² | 0.4 | 1.6 |
| Operating temperature range °C [°F] | 0~60 [32~140] | |
| Material | Stainless steel | Brass (nickel plated) |
| Mass g [oz.] | 0.2 [0.007] | 0.5 [0.018] |
| Remark | Attachment | — |
| | Sales unit | 1 pack (10 pcs.) |











Note: Types with **-HN** come without a holder.
For the conductive urethane tube **U2A-B**, always use "with holder" type. The holder can be purchased separately. Figures within parentheses () show the mass without the holder **(-HN)**.











Additional parts

Holder Mass : 0.3g [0.011oz.]
Order code : **H-2BU** (One pack 10 pcs.)










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 ² | | 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 ² | | 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.) | | | |

Types and Specifications

Fittings for pipe threads

| Name and type | Thin plug | | Plug | | | | Air manifold | Air manifold |
|-------------------------------------|-------------------------|---|---|---|---|---|---|---|
| | |  |  |  |  |  |  |  |
| Model | PFS-M3 | PFS | PF-M3 | PF | PF-M6M | PF-M8M | AM8 | MBF10-M3 |
| Port size | M3×0.5 (male thread) | M5×0.8 (male thread) | M3×0.5 (male thread) | M5×0.8 (male thread) | M6×0.75 (male thread) | M8×0.75 (male thread) | Rc1/8-M5×0.8 (8 places) | Rc1/8 (2 places)- M3×0.5 (10 places) |
| Applicable tube O.D.×I.D.mm | --- | | --- | | | | --- | |
| Effective area mm ² | --- | | --- | | | | --- | |
| Operating temperature range °C [°F] | 0~60 [32~140] | | | | | | | |
| Material | Stainless steel | Carbon steel (nickel plated) | Stainless steel | Brass (nickel plated) | | | Brass (nickel plated) | Aluminum alloy |
| Mass g [oz.] | 0.3 [0.011] | 0.9 [0.032] | 0.5 [0.018] | 1.3 [0.046] | 1.9 [0.067] | 3.2 [0.113] | 60 [2.12] | 17 [0.600] |
| Remark | Attachment | With 1 gasket | | | | | With 1 lock nut and 1 lock washer | |
| | Sales unit | 1 pack (10 pcs.) | | | | | 1 pc. | |

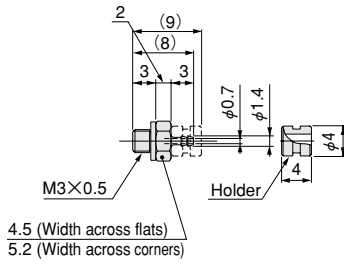
| Name and type | Air manifold | Rotary air manifold | Terminal | Gasket | | Wrench |
|-------------------------------------|-------------------------------------|---|---|---|---|---|
| | |  |  |  |  |  |
| Model | MBF10 | RM12 | TBF10 | 89-141 | 89-14 | 151-20 |
| Port size | Rc1/8 (2 places)-M5×0.8 (10 places) | Rc1/8-M5×0.8 (12 places) | M5×0.8 | (for M3×0.5) | (for M5×0.8) | --- |
| Applicable tube O.D.×I.D.mm | --- | | --- | --- | | --- |
| Effective area mm ² | --- | | --- | --- | | --- |
| Operating temperature range °C [°F] | 0~60 [32~140] | | | | | |
| Material | Aluminum alloy | Brass (nickel plated) | Aluminum alloy | Synthetic rubber (NBR) baked onto steel plate | | Stainless steel |
| Mass g [oz.] | 43.8 [1.545] | 137 [4.83] | 20.7 [0.730] | 0.1 [0.004] | | 31 [1.09] |
| Remark | Attachment | --- | | --- | | --- |
| | Sales unit | 1 pack (5 pcs.) | 1 pc. | 1 pack (5 pcs.) | 1 pack (100 pcs.) | |

Dimensions (mm)

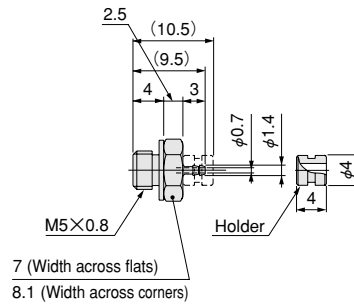
Straight

Remark: Models with -HN come without a holder.

●BF2BU-M3 (-HN)



●BF2BU (-HN)

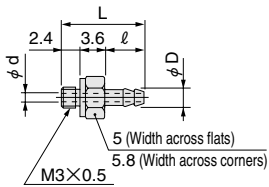


Straight (barb fitting)



●BF□-M3

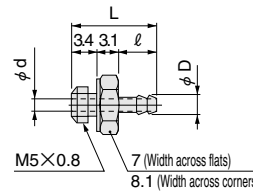
●BF□BU-M3



| Model | D | d | L | ℓ |
|----------|-----|-----|----|---|
| BF3BU-M3 | 2.0 | 0.8 | 10 | 4 |
| BF3.2-M3 | 2.6 | 1.2 | 11 | 5 |
| BF4-M3 | 2.9 | 1.2 | 11 | 5 |
| BF4BU-M3 | 3.2 | 1.2 | 11 | 5 |

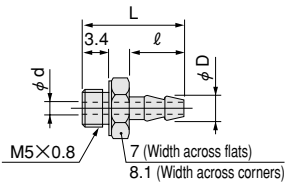
●BF4

●BF□BU



| Model | D | d | L | ℓ |
|-------|-----|-----|------|---|
| BF3BU | 2.0 | 0.8 | 10.5 | 4 |
| BF4 | 2.9 | 1.6 | 11.5 | 5 |
| BF4BU | 3.2 | 1.6 | 11.5 | 5 |

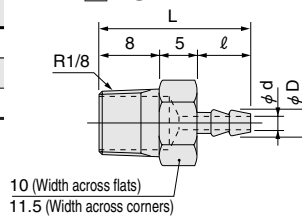
●BF□



| Model | D | d | L | ℓ |
|-------|-----|-----|------|---|
| BF3.2 | 2.6 | 1.6 | 11.5 | 5 |
| BF5 | 3.5 | 1.8 | 13.5 | 7 |
| BF6 | 4.7 | 2.4 | 13.5 | 7 |

●PBF□

●PBF□BU

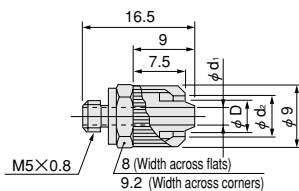


| Model | D | d | L | ℓ |
|--------|-----|-----|----|---|
| PBF3BU | 2.0 | 1.6 | 17 | 4 |
| PBF3.2 | 2.6 | 1.6 | 18 | 5 |
| PBF4 | 2.9 | 1.6 | 18 | 5 |
| PBF4BU | 3.2 | 1.6 | 18 | 5 |
| PBF5 | 3.5 | 1.8 | 20 | 7 |
| PBF6 | 4.7 | 2.4 | 20 | 7 |

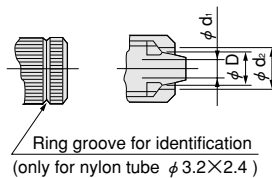
Straight (clamp fitting)



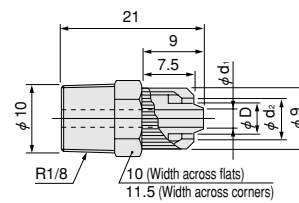
●BF□N



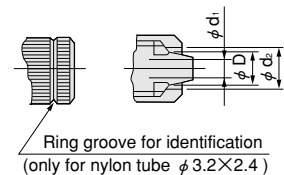
●BF□U



●BF□N-01



●BF□U-01



| Application | Model | D | d ₁ | d ₂ |
|-------------------|--------|-----|----------------|----------------|
| For nylon tube | BF3.2N | 2.7 | 1.6 | 3.3 |
| | BF4N | 3.0 | 1.8 | 4.1 |
| | BF5N | 3.5 | 2.1 | 5.1 |
| | BF6N | 4.4 | 2.4 | 6.1 |
| For urethane tube | BF4U | 3.4 | 1.8 | 4.1 |
| | BF6U | 5.0 | 2.4 | 6.1 |

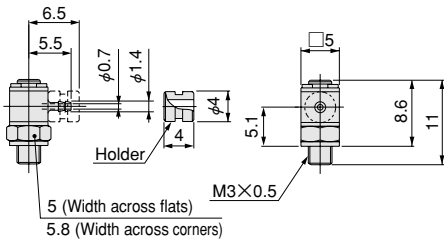
| Application | Model | D | d ₁ | d ₂ |
|-------------------|-----------|-----|----------------|----------------|
| For nylon tube | BF3.2N-01 | 2.7 | 1.6 | 3.3 |
| | BF4N-01 | 3.0 | 1.8 | 4.1 |
| | BF5N-01 | 3.5 | 2.1 | 5.1 |
| | BF6N-01 | 4.4 | 2.4 | 6.1 |
| For urethane tube | BF4U-01 | 3.4 | 1.8 | 4.1 |
| | BF6U-01 | 5.0 | 2.4 | 6.1 |

Dimensions (mm)

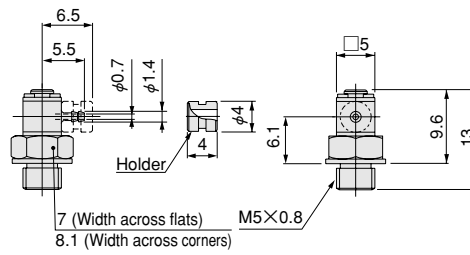
Elbow

Remark: Models with **-HN** come without a holder.

•UER2BU-M3 (-HN)



•UER2BU (-HN)

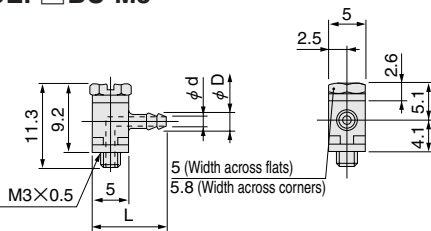


Universal elbow (barb fitting)



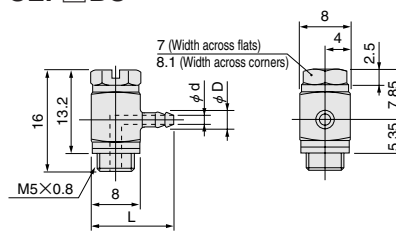
•UEF□-M3

•UEF□BU-M3



•UEF4

•UEF□BU

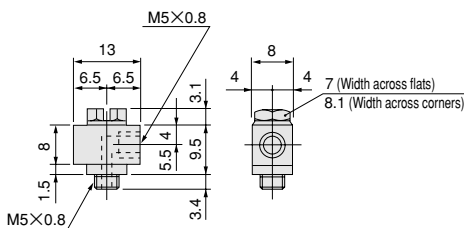


| Model | D | d | L |
|-----------|-----|-----|----|
| UEF3BU-M3 | 2.0 | 0.8 | 9 |
| UEF3.2-M3 | 2.6 | 1.2 | 10 |
| UEF4-M3 | 2.9 | 1.2 | 10 |
| UEF4BU-M3 | 3.2 | 1.2 | 10 |

| Model | D | d | L |
|--------|-----|-----|----|
| UEF3BU | 2.0 | 0.8 | 12 |
| UEF4 | 2.9 | 1.6 | 13 |
| UEF4BU | 3.2 | 1.6 | 13 |

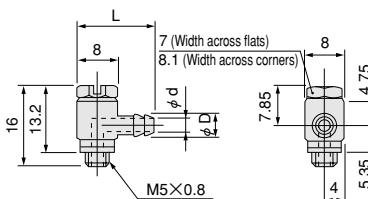
Universal elbow

•UEF



Universal elbow (barb fitting)

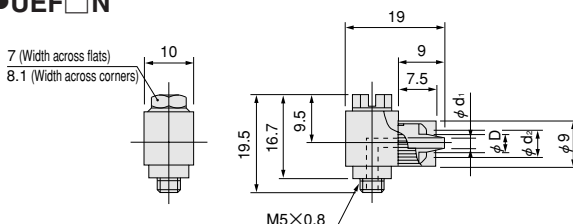
•UEF□



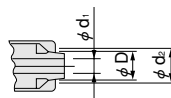
| Model | D | d | L |
|--------|-----|-----|----|
| UEF3.2 | 2.6 | 1.6 | 13 |
| UEF5 | 3.5 | 1.8 | 15 |
| UEF6 | 4.7 | 2.4 | 15 |

Universal elbow (clamp fitting)

•UEF□N



•UEF□U

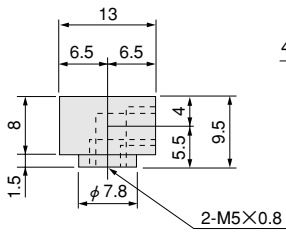


| Application | Model | D | d ₁ | d ₂ |
|-------------------|-------|-----|----------------|----------------|
| For nylon tube | UEF4N | 3.0 | 1.8 | 4.1 |
| | UEF5N | 3.5 | 2.1 | 5.1 |
| | UEF6N | 4.4 | 2.4 | 6.1 |
| For urethane tube | UEF4U | 3.4 | 1.8 | 4.1 |
| | UEF6U | 5.0 | 2.4 | 6.1 |

Dimensions (mm)

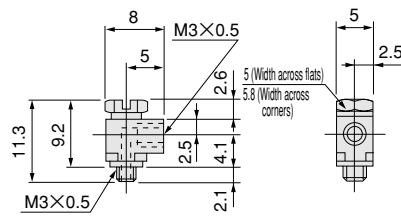
Elbow

●EF



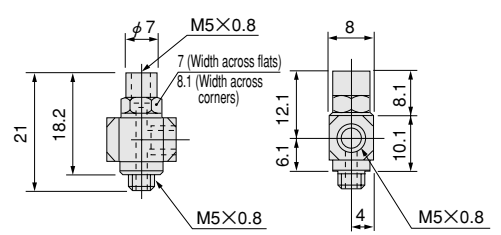
Universal elbow

●UEF-M3



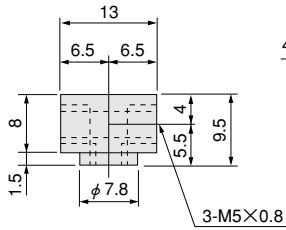
Universal branch tee

●URTF



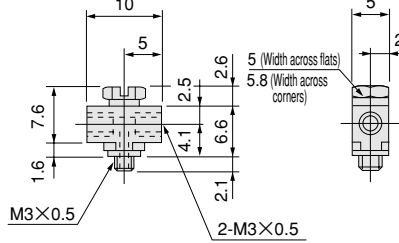
Tee

●TF

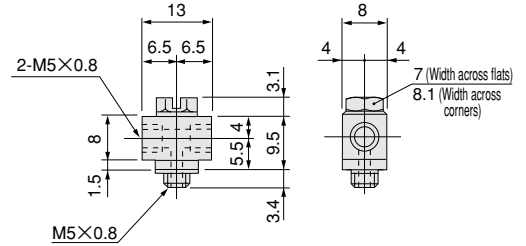


Universal tee

●UTF-M3

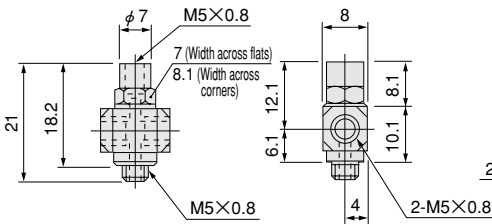


●UTF



Universal cross

●UXF



Nipple

●NF-M3

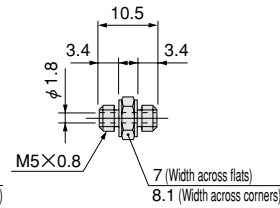
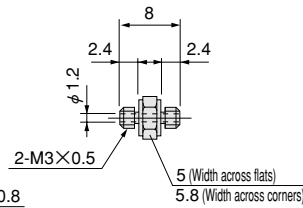


NIPPLE-0

●NF

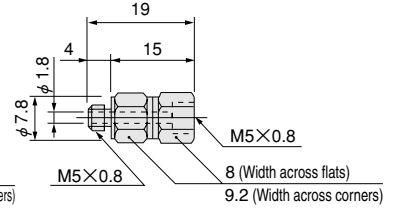


NIPPLE-0



Swivel fitting

●SF



Extension fitting

●EXF-M3

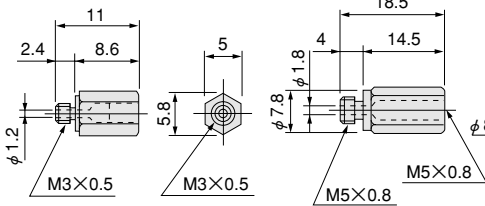


NIPPLE-0

●EXF



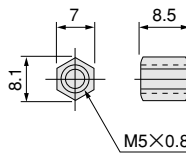
NIPPLE-0



Coupling

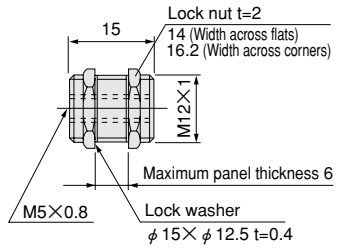
●CF-M3

●CF



Fitting for bulkhead

●BHF



Bushing

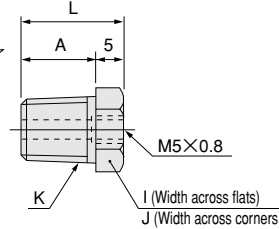
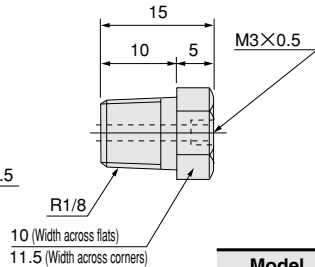
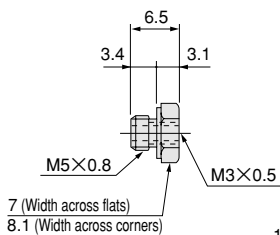
●RBFM5-M3

●RBF-M3

●RBF



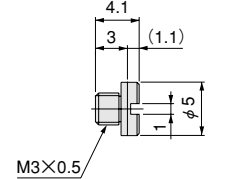
NIPPLE-0



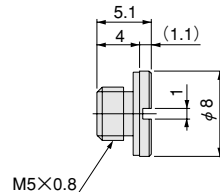
| Model | A | K | I | J | L |
|-------|----|------|----|------|----|
| RBF1 | 13 | R1/4 | 14 | 16.2 | 18 |
| RBF | 10 | R1/8 | 10 | 11.5 | 15 |

Thin plug

●PFS-M3



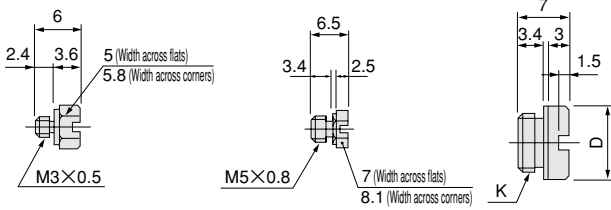
●PFS



Dimensions (mm)

Plug

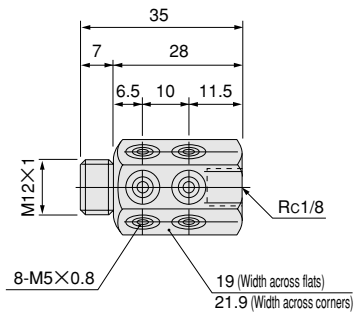
- PF-M3  NIPPLE-0
- PF  NIPPLE-0
- PF-M  M



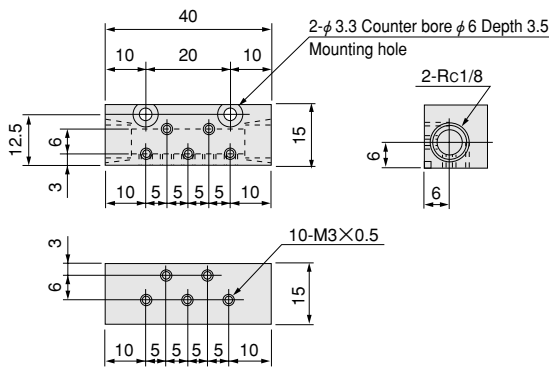
| Model | D | K |
|--------|----|---------|
| PF-M6M | 8 | M6×0.75 |
| PF-M8M | 10 | M8×0.75 |

Air manifold

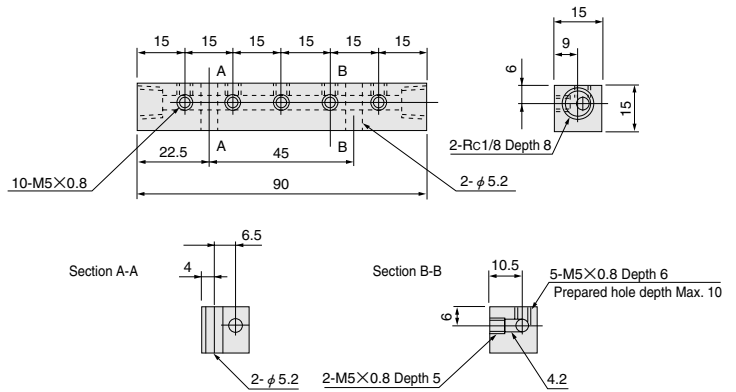
- AM8



- MBF10-M3

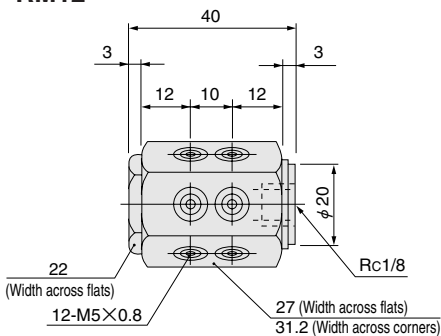


- MBF10



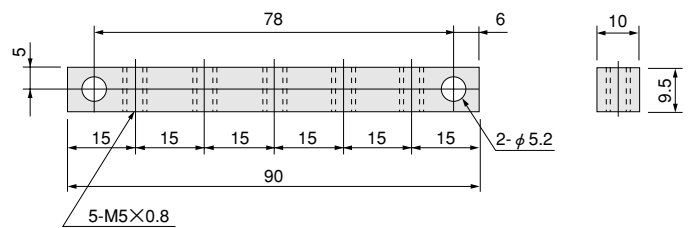
Rotary air manifold

- RM12



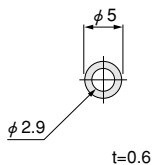
Terminal

- TBF10

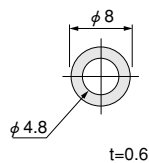


Gasket

- 89-141



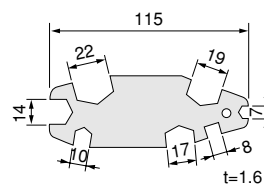
- 89-14



Wrench

Can be used for all fittings, valves, and lock nuts.
Use of two at one time is suggested.

- 151-20

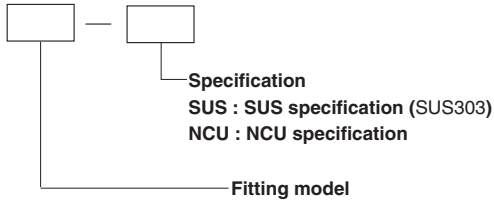


TAC FITTINGS

SUS Specification and NCU Specification

SUS Specification and NCU Specification

● Order codes



※Select the order code from the table below. “Order with standard type model” refers to standard types compatible with NCU and SUS specifications. “Order with SUS specification” refers to SUS specification products that are also compatible with NCU specification. Dashes “—” refer to types not compatible to particular specifications.

● Model Table (SUS specification and NCU specification)

| Fitting type | Standard type model (reference) | SUS specification model | NCU specification model |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Straight (barb fitting) | BF3.2-M3 | BF3.2-M3-SUS | Order with standard type model. |
| | BF4-M3 | BF4-M3-SUS | Order with standard type model. |
| | BF3.2 | BF3.2-SUS | Order with SUS specification. |
| | BF4 | BF4-SUS | Order with SUS specification. |
| | BF5 | BF5-SUS | Order with SUS specification. |
| | BF6 | BF6-SUS | Order with SUS specification. |
| | PBF3.2 | — | — |
| | PBF4 | — | PBF4-NCU |
| Straight (clamp fitting) | BF3.2N | BF3.2N-SUS | Order with SUS specification. |
| | BF4N | BF4N-SUS | Order with SUS specification. |
| | BF5N | BF5N-SUS | Order with SUS specification. |
| | BF6N | BF6N-SUS | Order with SUS specification. |
| | BF3.2N-01 | — | — |
| | BF4N-01 | — | BF4N-01-NCU |
| | BF5N-01 | — | — |
| | BF6N-01 | — | BF6N-01-NCU |
| Universal elbow (barb fitting) | UEF3.2-M3 | — | UEF3.2-M3-NCU |
| | UEF4-M3 | — | UEF4-M3-NCU |
| | UEF3.2 | — | — |
| | UEF4 | — | UEF4-NCU |
| | UEF5 | — | — |
| | UEF6 | — | UEF6-NCU |
| Universal elbow (clamp fitting) | UEF4N | — | UEF4N-NCU |
| | UEF5N | — | — |
| | UEF6N | — | UEF6N-NCU |
| Universal tee (barb fitting) | UTF3.2-M3 | — | UTF3.2-M3-NCU |
| | UTF4-M3 | — | UTF4-M3-NCU |
| | UTF3.2 | — | — |
| | UTF4 | — | UTF4-NCU |
| | UTF5 | — | — |
| | UTF6 | — | UTF6-NCU |
| Nipple (barb fitting) | NBF3.2 | NBF3.2-SUS | Order with SUS specification. |
| | NBF4 | NBF4-SUS | Order with SUS specification. |
| | NBF5 | NBF5-SUS | Order with SUS specification. |
| | NBF6 | NBF6-SUS | Order with SUS specification. |
| | — | — | — |
| Straight | BF2BU-M3 (-HN) | Order with standard type model. | Order with standard type model. |
| | BF2BU (-HN) | Order with standard type model. | Order with standard type model. |
| Straight (barb fitting) | BF3BU-M3 | BF3BU-M3-SUS | Order with standard type model. |
| | BF4BU-M3 | BF4BU-M3-SUS | Order with standard type model. |
| | BF3BU | — | BF3BU-NCU |
| | BF4BU | BF4BU-SUS | Order with SUS specification. |
| | PBF3BU | — | PBF3BU-NCU |
| | PBF4BU | — | PBF4BU-NCU |
| Straight (clamp fitting) | BF4U | BF4U-SUS | Order with SUS specification. |
| | BF6U | BF6U-SUS | Order with SUS specification. |
| | BF4U-01 | — | BF4U-01-NCU |
| | BF6U-01 | — | BF6U-01-NCU |

● For specifications, see p.341~345.

● The dimensions for the NCU specification and SUS specification (SUS303) shown below are the same as the standard type. See the dimensions on p.346~350.

Caution : For delivery, consult us.

| Fitting type | Standard type model (reference) | SUS specification model | NCU specification model |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Elbow | UER2BU-M3(-HN) | Order with standard type model. | Order with standard type model. |
| | UER2BU(-HN) | Order with standard type model. | Order with standard type model. |
| Universal elbow (barb fitting) | UEF3BU-M3 | — | UEF3BU-M3-NCU |
| | UEF4BU-M3 | — | UEF4BU-M3-NCU |
| | UEF3BU | — | UEF3BU-NCU |
| | UEF4BU | — | UEF4BU-NCU |
| Universal elbow (clamp fitting) | UEF4U | — | UEF4U-NCU |
| | UEF6U | — | UEF6U-NCU |
| Universal tee (barb fitting) | UTF3BU-M3 | — | UTF3BU-M3-NCU |
| | UTF4BU-M3 | — | UTF4BU-M3-NCU |
| | UTF3BU | — | UTF3BU-NCU |
| | UTF4BU | — | UTF4BU-NCU |
| Different diameter nipple | NBF3.2BU (-NH) | Order with standard type model. | Order with standard type model. |
| | NBF4.2BU (-NH) | Order with standard type model. | Order with standard type model. |
| | NBF4.3BU (-NH) | Order with standard type model. | Order with standard type model. |
| Nipple (barb fitting) | NBF3BU | Order with standard type model. | Order with standard type model. |
| | NBF4BU | NBF4BU-SUS | Order with SUS specification. |
| Elbow | EF | — | EF-NCU |
| Universal elbow | UEF-M3 | — | UEF-M3-NCU |
| | UEF | UEF-SUS | Order with SUS specification. |
| Tee | TF | — | TF-NCU |
| Universal tee | UTF-M3 | — | UTF-M3-NCU |
| | UTF | UTF-SUS | Order with SUS specification. |
| Universal branch tee | URTF | — | URTF-NCU |
| Universal cross | UXF | — | UXF-NCU |
| Nipple | NF-M3 | NF-M3-SUS | Order with standard type model. |
| | NF | NF-SUS | Order with SUS specification. |
| Extension fitting | EXF-M3 | EXF-M3-SUS | Order with standard type model. |
| | EXF | — | EXF-NCU |
| Coupling | CF-M3 | — | CF-M3-NCU |
| | CF | — | CF-NCU |
| Fitting for bulkhead | BHF | — | BHF-NCU |
| Bushing | RBFM5-M3 | — | RBFM5-M3-NCU |
| | RBF-M3 | — | RBF-M3-NCU |
| | RBF | RBF-SUS | Order with SUS specification. |
| | RBF1 | RBF1-SUS | Order with SUS specification. |
| Thin plug | PFS-M3 | Order with standard type model. | Order with standard type model. |
| | PFS | — | — |
| Plug | PF-M3 | PF-M3-SUS | Order with standard type model. |
| | PF | PF-SUS | Order with SUS specification. |
| | PF-M6M | — | — |
| | PF-M8M | — | — |
| Air manifold | AM8 | — | AM8-NCU |
| | MBF10-M3 | — | Order with standard type model. |
| | MBF10 | — | Order with standard type model. |
| Rotary air manifold | RM12 | — | RM12-NCU |
| Terminal | TBF10 | — | Order with standard type model. |
| Gasket | 89-141 | 89-141-SUS | Order with standard type model. |
| | 89-14 | 89-14-SUS | Order with standard type model. |