

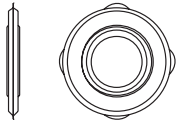




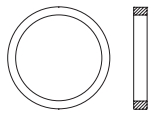

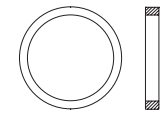
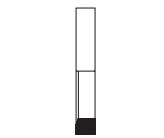



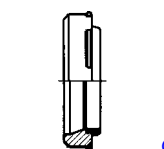
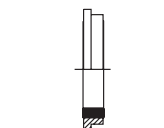
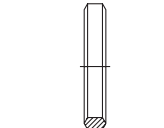


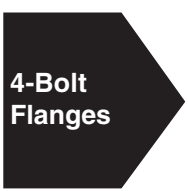
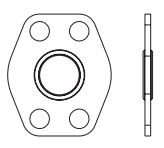





O-Rings and Seals



The Fitting Authority

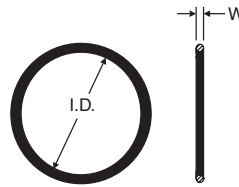
| | | | | | |
|--|---|---|---|---|---|
|  <p>O-Ring Face Seal</p> | <p>ORFS O-Ring</p>  <p>O3</p> | <p>PLS Bonded Seal</p>  <p>O3</p> |  <p>Port Ends – SAE, Metric, BSPP, JIS, K4</p> | <p>SAE O-Ring</p>  <p>O3</p> | <p>ISO 6149 O-Ring</p>  <p>O4</p> |
| <p>Metric O-Ring</p>  <p>O4</p> | <p>Metric Retaining Ring</p>  <p>O4</p> | <p>BSPP O-Ring</p>  <p>O5</p> | <p>BSPP Retaining Ring</p>  <p>O5</p> | <p>EOlastic Seal Ring</p>  <p>O5</p> | <p>JIS B2351 O-Ring</p>  <p>O6</p> |
| <p>BSPP Bonded Seal</p>  <p>O6</p> |  <p>EO/EO-2</p> | <p>EO-2 Sealing Ring</p>  <p>O6</p> | <p>Bonded Seal for Banjo Fittings</p>  <p>O7</p> | <p>Metal Seal for Banjo Fittings</p>  <p>O7</p> | <p>Pressure Gauge Sealing Ring</p>  <p>O8</p> |
| <p>EO O-Ring</p>  <p>O8</p> |  <p>4-Bolt Flanges</p> | <p>Code 61/62 Flange Seal</p>  <p>O9</p> | <p>SAE 4-Bolt Flange O-Ring</p>  <p>O9</p> | | |

ORFS O-Ring

ORFS Tube End O-ring

Specify size and compound

Example: 2-018 N0552 (standard NBR)



| TUBE FITTING PART # | FITTING DASH SIZE | TUBE O.D. | | I.D. | | W | | STANDARD From Stock | | |
|---------------------|-------------------|-----------|------------|-------|------|-------|------|---------------------|---------|----------|
| | | (in.) | (mm) | (in.) | (mm) | (in.) | (mm) | N0552* | V0894** | N0756*** |
| 2-011 | 4 | 1/4 | 6 | 0.30 | 7.7 | 0.07 | 1.78 | • | • | • |
| 2-012 | 6 | 3/8 | 8, 10 | 0.36 | 9.3 | 0.07 | 1.78 | • | • | • |
| 2-014 | 8 | 1/2 | 12 | 0.49 | 12.4 | 0.07 | 1.78 | • | • | • |
| 2-016 | 10 | 5/8 | 14, 15, 16 | 0.61 | 15.6 | 0.07 | 1.78 | • | • | • |
| 2-018 | 12 | 3/4 | 18, 20 | 0.74 | 18.8 | 0.07 | 1.78 | • | • | • |
| 2-020 | 14 | 7/8 | 22 | 0.86 | 21.8 | 0.07 | 1.78 | • | • | • |
| 2-021 | 16 | 1 | 25 | 0.93 | 23.5 | 0.07 | 1.78 | • | • | • |
| 2-025 | 20 | 1 3/4 | 28, 30, 32 | 1.18 | 29.9 | 0.07 | 1.78 | • | • | • |
| 2-029 | 24 | 1 1/2 | 35, 38 | 1.49 | 37.8 | 0.07 | 1.78 | • | • | • |
| 2-135 | 32 | 2 | 50 | 1.93 | 49.0 | 0.10 | 2.54 | • | • | • |

* N0552 is the standard compound — 90-durometer Nitrile (NBR).

** V0894 is an optional 90-durometer fluorocarbon compound.

*** N0756 is an optional 75-durometer Nitrile compound for CNG applications.

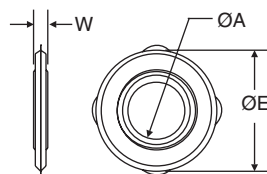
See [page U13](#) for O-ring Material Selection and data.

PLS Bonded Seal

ORFS Flange-Seal

Specify size and compound

Example: 8PLS N0702 (standard NBR)



| TUBE FITTING PART # | FITTING DASH SIZE | TUBE O.D. (in.) | A DIA. (in.) | E DIA. (in.) | W (in.) | STANDARD From Stock | | |
|---------------------|-------------------|-----------------|--------------|--------------|---------|---------------------|--------|---------|
| | | | | | | N0552*** | N0702* | V0894** |
| 4PLS | 4 | 1/4 | 0.23 | 0.46 | 0.08 | • | • | • |
| 6PLS | 6 | 3/8 | 0.34 | 0.61 | 0.08 | • | • | • |
| 8PLS | 8 | 1/2 | 0.46 | 0.74 | 0.08 | • | • | • |
| 10PLS | 10 | 5/8 | 0.61 | 0.91 | 0.08 | • | • | • |
| 12PLS | 12 | 3/4 | 0.78 | 1.09 | 0.08 | • | • | • |
| 16PLS | 16 | 1 | 1.00 | 1.34 | 0.08 | • | • | • |

* N0702 is the standard compound — 90-durometer Nitrile (NBR).

** V0894 is an optional 90-durometer fluorocarbon compound.

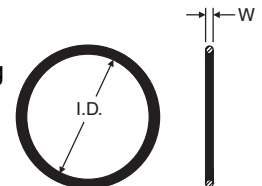
*** N0552 is an optional 90-durometer Nitrile compound for CNG applications.

SAE O-Ring

SAE Straight Thread Port O-Ring

Specify size and compound

Example: 3-906 N0552 (standard NBR)



| TUBE FITTING PART # | FITTING DASH SIZE | TUBE O.D. (in.) | I.D. (in.) | W (in.) | STANDARD From Stock | | |
|---------------------|-------------------|-----------------|------------|---------|---------------------|---------|----------|
| | | | | | N0552* | V0894** | N0756*** |
| 3-902 | 2 | 1/8 | 0.24 | 0.06 | • | • | • |
| 3-903 | 3 | 3/16 | 0.30 | 0.06 | • | • | • |
| 3-904 | 4 | 1/4 | 0.35 | 0.07 | • | • | • |
| 3-905 | 5 | 5/16 | 0.41 | 0.07 | • | • | • |
| 3-906 | 6 | 3/8 | 0.47 | 0.08 | • | • | • |
| 3-908 | 8 | 1/2 | 0.64 | 0.09 | • | • | • |
| 3-910 | 10 | 5/8 | 0.76 | 0.10 | • | • | • |
| 3-912 | 12 | 3/4 | 0.92 | 0.12 | • | • | • |
| 3-914 | 14 | 7/8 | 1.05 | 0.12 | • | • | • |
| 3-916 | 16 | 1 | 1.17 | 0.12 | • | • | • |
| 3-920 | 20 | 1 1/4 | 1.48 | 0.12 | • | • | • |
| 3-924 | 24 | 1 1/2 | 1.72 | 0.12 | • | • | • |
| 3-932 | 32 | 2 | 2.34 | 0.12 | • | • | • |

* N0552 is the standard compound — 90-durometer Nitrile (NBR).

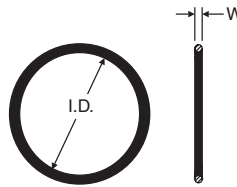
** V0894 is an optional 90-durometer fluorocarbon compound.

*** N0756 is an optional 75-durometer Nitrile compound for CNG applications.

See [page U13](#) for O-ring Material Selection and data.

ISO 6149 O-Ring

Metric Straight Thread
Port O-Ring



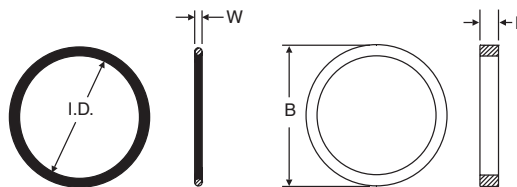
Specify size and compound (for option compound only)
Example: M-12 ISO O-RING (standard NBR)
M-12 ISO VITON O-RING (optional FKM)

| TUBE FITTING PART # | PORT THREAD | I.D. (mm) | W (mm) | STANDARD From Stock | |
|------------------------|----------------|--------------|-----------|------------------------|--------|
| | | | | NBR** | FKM*** |
| M-8 ISO O-Ring | M8 x 1 | 6.1 | 1.6 | • | |
| M-10 ISO O-Ring | M10 x 1 | 8.1 | 1.6 | • | |
| M-12 ISO O-Ring | M12 x 1.5 | 9.3 | 2.2 | • | • |
| M-14 ISO O-Ring | M14 x 1.5 | 11.3 | 2.2 | • | • |
| M-16 ISO O-Ring | M16 x 1.5 | 13.3 | 2.2 | • | • |
| M-18 ISO O-Ring | M18 x 1.5 | 15.3 | 2.2 | • | • |
| M-22 ISO O-Ring | M22 x 1.5 | 19.3 | 2.2 | • | • |
| M-27 ISO O-Ring | M27 x 1.5 | 23.6 | 2.9 | • | • |
| *M-30 ISO O-Ring | M30 x 2 | 26.6 | 2.9 | • | |
| M-33 ISO O-Ring | M33 x 1.5 | 29.6 | 2.9 | • | • |
| M-38 ISO O-Ring | M38 x 2 | 34.6 | 2.9 | • | |
| M-42 ISO O-Ring | M42 x 2 | 38.6 | 2.9 | • | • |
| M-48 ISO O-Ring | M48 x 2 | 44.6 | 2.9 | • | • |
| M-60 ISO O-Ring | M60 x 2 | 56.6 | 2.9 | • | |

* M30X2 is not a standard ISO 6149 size.
** NBR is the standard compound — 90-durometer peroxide-cured Nitrile.
*** FKM is an optional 90-durometer fluorocarbon compound (for part number, VITON is used as suffix).
See page U13 for O-ring Material Selection and data.

Metric O-Ring & Retaining Ring

For ISO 9974-1 / DIN 3852-1Port



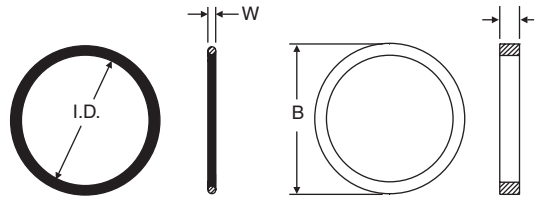
Specify size and compound
Example: 2-012 N0552 (standard NBR O-ring)
M12RR (standard steel retaining ring)

| TUBE FITTING PART # | METRIC THREAD SIZE | I.D. (mm) | W (mm) | STANDARD From Stock | | TUBE FITTING PART # | B (mm) | L (mm) | STANDARD From Stock | |
|------------------------|--------------------------|--------------|-----------|------------------------|---------|------------------------|-----------|-----------|------------------------|----|
| | | | | N0552* | V0894** | | | | S | SS |
| 3-902 | M8 x 1 | 6.07 | 1.63 | • | • | M8RR | 13.15 | 1.00 | • | |
| 6-074 | M10 x 1 | 8.00 | 1.50 | • | • | M10RR | 14.75 | 1.00 | • | |
| 2-012 | M12 x 1.5 | 9.25 | 1.78 | • | • | M12RR | 17.75 | 1.30 | • | |
| 2-013 | M14 x 1.5 | 10.82 | 1.78 | • | • | M14RR | 19.75 | 1.30 | • | |
| 3-907 | M16 x 1.5 | 13.46 | 2.08 | • | • | M16RR | 21.75 | 1.50 | • | |
| 2-114 | M18 x 1.5 | 15.54 | 2.62 | • | • | M18RR | 23.75 | 2.00 | • | |
| 2-017 | M20 x 1.5 | 17.17 | 1.78 | • | | M20RR | 25.75 | 1.30 | • | |
| 2-018 | M22 x 1.5 | 18.77 | 1.78 | • | • | M22RR | 27.75 | 1.30 | • | |
| 2-019 | M24 x 1.5 | 20.35 | 1.78 | • | | M24RR | 29.75 | 1.30 | • | |
| 2-118 | M26 x 1.5 | 21.89 | 2.62 | • | | M26RR | 31.75 | 2.00 | • | |
| 2-119 | M27 x 2 | 23.47 | 2.62 | • | • | M27RR | 32.75 | 2.00 | • | |
| 2-121 | M30 x 2 | 26.64 | 2.62 | • | | M30RR | 36.32 | 2.00 | • | |
| 2-122 | M33 x 2 | 28.24 | 2.62 | • | | M33RR | 39.75 | 2.00 | • | |
| 2-124 | M36 x 2 | 31.42 | 2.62 | • | | M36RR | 42.75 | 2.00 | • | |
| 2-128 | M42 x 2 | 37.77 | 2.62 | • | | M42RR | 49.75 | 2.00 | • | |
| 2-130 | M45 x 2 | 40.94 | 2.62 | • | | M45RR | 52.75 | 2.00 | • | |
| 2-132 | M48 x 2 | 44.12 | 2.62 | • | | M48RR | 54.95 | 2.00 | • | |
| 2-133 | M50 x 2 | 45.69 | 2.62 | • | | M50RR | 56.31 | 2.00 | • | |

* N0552 is the standard compound — 90-durometer Nitrile (NBR).
** V0894 is an optional 90-durometer fluorocarbon compound.
See page U13 for O-ring Material Selection and data.

BSPP O-Ring & Retaining Ring

For ISO 1179-1 / DIN 3852-2 Port



Specify size and compound (for O-ring only)

Example: 2-113 N0552 (standard NBR O-ring)
3/8 RETAINING RING (standard steel retaining ring)

| TUBE FITTING PART # | BSPP THREAD SIZE | I.D. (mm) | W (mm) | STANDARD From Stock | | TUBE FITTING PART # | B (mm) | L (mm) | STANDARD From Stock | |
|---------------------|------------------|-----------|--------|---------------------|---------|----------------------|--------|--------|---------------------|----|
| | | | | N0552* | V0894** | | | | S | SS |
| 5-585 | 1/8-28 | 7.97 | 1.78 | • | • | 1/8 Retaining Ring | 14.96 | 1.45 | • | |
| 2-111 | 1/4-19 | 10.77 | 2.62 | • | • | 1/4 Retaining Ring | 20.45 | 1.96 | • | |
| 2-113 | 3/8-19 | 13.94 | 2.62 | • | • | 3/8 Retaining Ring | 23.95 | 1.96 | • | |
| 5-256 | 1/2-14 | 17.96 | 2.62 | • | • | 1/2 Retaining Ring | 28.45 | 1.96 | • | |
| 2-119 | 3/4-14 | 23.47 | 2.62 | • | • | 3/4 Retaining Ring | 34.44 | 2.64 | • | |
| 2-217 | 1-11 | 29.74 | 3.53 | • | • | 1 Retaining Ring | 44.45 | 2.64 | • | |
| 2-222 | 1 1/4-11 | 37.69 | 3.53 | • | | 1 1/4 Retaining Ring | 52.45 | 2.64 | • | |
| 2-224 | 1 1/2-11 | 44.04 | 3.53 | • | | 1 1/2 Retaining Ring | 59.94 | 2.64 | • | |
| 2-228 | 2-11 | 63.80 | 3.53 | | | 2 Retaining Ring | 72.80 | 2.64 | | |

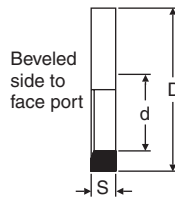
* N0552 is the standard compound — 90-durometer Nitrile (NBR).

** V0894 is an optional 90-durometer fluorocarbon compound.

See [page U13](#) for O-ring Material Selection and data.

EOlastic Seal Ring

EOlastic Soft Seal for BSPP & Metric Threads



Specify size and compound (for optional compound only)

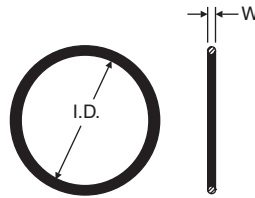
Example: ED8X1X (standard NBR)
ED8X1VITX (optional FPM)

| TUBE FITTING PART # | For Male Metric Thread | For Male Thread BSPP | D (mm) | d (mm) | S (mm) | STANDARD From Stock | |
|---------------------|------------------------|----------------------|--------|--------|--------|---------------------|-------|
| | | | | | | NBR* | FPM** |
| ED8X1X | M8 x 1 | | 9.9 | 6.5 | 1.0 | • | • |
| ED10X1X | M10 x 1 | G 1/8 A | 11.9 | 8.4 | 1.0 | • | • |
| ED12X1.5X | M12 x 1.5 | | 14.4 | 9.8 | 1.5 | • | • |
| ED14X1.5X | M14 x 1.5 | G 1/4 A | 16.5 | 11.6 | 1.5 | • | • |
| ED16X1.5X | M16 x 1.5 | | 18.9 | 13.8 | 1.5 | • | • |
| ED3/8X | | G 3/8 A | 18.9 | 14.7 | 1.5 | • | • |
| ED18X1.5X | M18 x 1.5 | | 20.9 | 15.7 | 1.5 | • | • |
| ED20X1.5X | M20 x 1.5 | | 22.9 | 17.8 | 1.5 | • | • |
| ED1/2X | | G 1/2 A | 23.9 | 18.5 | 1.5 | • | • |
| ED22X1.5X | M22 x 1.5 | | 24.3 | 19.6 | 1.5 | • | • |
| ED26X1.5X | M26 x 1.5 | G 3/4 A | 29.2 | 23.9 | 1.5 | • | • |
| ED26X1.5X | M27 x 2 | G 3/4 A | 29.2 | 23.9 | 1.5 | • | • |
| ED33X2X | M33 x 2 | G 1 A | 35.7 | 29.7 | 2.0 | • | • |
| ED42X2X | M42 x 2 | G 1 1/4 A | 45.8 | 38.8 | 2.0 | • | • |
| ED48X2X | M48 x 2 | G 1 1/2 A | 50.7 | 44.7 | 2.0 | • | • |

* NBR is the standard compound — 90-durometer Nitrile.

** FPM is an optional 90-durometer fluorocarbon compound (for part number VIT is used as suffix).

JIS B2351 O-Ring

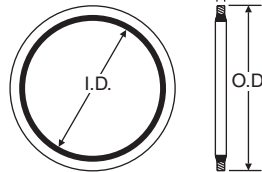


| TUBE FITTING PART # | FITTING DASH SIZE | T4 BSPP THREAD | I.D. (mm) | W (mm) | JIS B 2401 DESCRIPTION | STANDARD From Stock |
|---------------------|-------------------|----------------|-----------|--------|------------------------|---------------------|
| | | | | | | NBR* |
| P8 O-RING | 2 | 1/8-28 | 7.8 | 1.9 | O-RING CLASS 1 B P 8 | • |
| P11 O-RING | 4 | 1/4-19 | 10.8 | 2.4 | O-RING CLASS 1 B P 11 | • |
| P14 O-RING | 6 | 3/8-19 | 13.8 | 2.4 | O-RING CLASS 1 B P 14 | • |
| P18 O-RING | 8 | 1/2-14 | 17.8 | 2.4 | O-RING CLASS 1 B P 18 | • |
| P24 O-RING | 12 | 3/4-14 | 23.7 | 3.5 | O-RING CLASS 1 B P 24 | • |
| P29 O-RING | 16 | 1-11 | 28.7 | 3.5 | O-RING CLASS 1 B P 29 | • |

* NBR is the standard compound — 90-durometer Nitrile.

BSPP Bonded Seal

Used on K4 Style Straight Fittings as a Port Seal
For use in ISO 1179 / DIN 3852-2 port



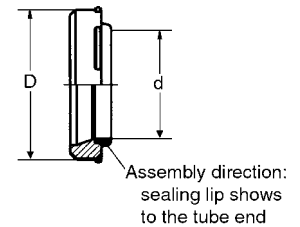
| TUBE FITTING PART # | BSPP THREAD SIZE | O.D. (mm) | I.D. (mm) | W (mm) | STANDARD From Stock | | |
|---------------------|------------------|-----------|-----------|--------|---------------------|----|---|
| | | | | | S* | SS | B |
| D9DT-2 | 1/8-28 | 15.9 | 10.4 | 2.0 | • | | |
| D9DT-4 | 1/4-19 | 20.6 | 13.7 | 2.0 | • | | |
| D9DT-6 | 3/8-19 | 23.8 | 17.3 | 2.0 | • | | |
| D9DT-8 | 1/2-14 | 28.6 | 21.5 | 2.3 | • | | |
| D9DT-10 | 5/8-14 | 31.8 | 23.5 | 2.3 | • | | |
| D9DT-12 | 3/4-14 | 34.9 | 27.1 | 2.3 | • | | |
| D9DT-16 | 1-11 | 42.8 | 33.9 | 2.3 | • | | |
| D9DT-20 | 1 1/4-11 | 52.4 | 42.9 | 3.3 | • | | |
| D9DT-24 | 1 1/2-11 | 58.6 | 48.4 | 3.3 | • | | |

* NBR is the standard compound — 90-durometer Nitrile.

EO-2 Sealing Ring

Specify size and material

- Examples:
 DOZ10S (standard steel with NBR)
 DOZ10SVIT (optional steel with FPM)
 DOZ10S71 (standard stainless steel with FPM)



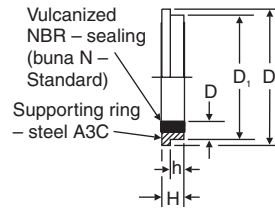
| TUBE FITTING PART # | SERIES | TUBE O.D. (mm) | D (mm) | d (mm) | STANDARD from stock | | |
|---------------------|------------------|----------------|--------|--------|---------------------|----|--------|
| | | | | | S | SS | FPM*** |
| DOZ04LL | LL very light | 4 | 6.8 | 4 | • | | |
| DOZ06LL | | 6 | 8.8 | 6 | • | | |
| DOZ06L | L light | 6 | 10.3 | 6 | • | • | • |
| DOZ08L | | 8 | 12.3 | 8 | • | • | • |
| DOZ10L | | 10 | 14.3 | 10 | • | • | • |
| DOZ12L | | 12 | 16.3 | 12 | • | • | • |
| DOZ15L | | 15 | 20.3 | 15 | • | • | • |
| DOZ18L | | 18 | 24.3 | 18 | • | • | • |
| DOZ22L | | 22 | 27.7 | 22 | • | • | • |
| DOZ28L | | 28 | 33.7 | 28 | • | • | • |
| DOZ35L | | 35 | 42.7 | 35 | • | • | • |
| DOZ42L | | 42 | 49.7 | 42 | • | • | • |
| DOZ06S | S heavy | 6 | 12.3 | 6 | • | • | • |
| DOZ08S | | 8 | 14.3 | 8 | • | • | • |
| DOZ10S | | 10 | 16.3 | 10 | • | • | • |
| DOZ12S | | 12 | 18.3 | 12 | • | • | • |
| DOZ14S | | 14 | 20.3 | 14 | • | • | • |
| DOZ16S | | 16 | 22.3 | 16 | • | • | • |
| DOZ20S | | 20 | 27.7 | 20 | • | • | • |
| DOZ25S | | 25 | 33.7 | 25 | • | • | • |
| DOZ30S | | 30 | 39.7 | 30 | • | • | • |
| DOZ38S | | 38 | 49.7 | 38 | • | • | • |

* Steel black zinc plated with NBR 90-durometer Nitrile compound.

** Steel black zinc plated with FPM 90-durometer fluorocarbon compound.

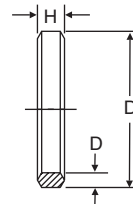
*** Stainless steel with FPM 90-durometer fluorocarbon compound.

Bonded Seal for Banjo Fittings



| TUBE FITTING PART # | FOR USE WITH WH & TH BANJOS | D THREAD | D1 (mm) | D2 (mm) | H (mm) | h (mm) | STANDARD From Stock | | |
|---------------------|-----------------------------|-----------------|---------|---------|--------|--------|---------------------|----|----|
| | | | | | | | A3C | 71 | MS |
| KDS10A3CX | 6-LM/LR | M10 x 1/G1/8A | 14.9 | 16.0 | 2.5 | 1.1 | • | | |
| KDS12A3CX | 6-SM/8-LM | M12 x 1.5 | 17.0 | 18.0 | 3.0 | 1.6 | • | | |
| KDS14A3CX | 6-SR, 8-LR/SM/SR, 10-LM/LR | M14 x 1.5/G1/4A | 18.9 | 20.0 | 3.0 | 1.6 | • | | |
| KDS16A3CX | 10-SM/SR, 12-LM/LR/SR | M16 x 1.5/G3/8A | 21.9 | 24.0 | 3.0 | 2.1 | • | | |
| KDS18A3CX | 12-SM/15-LM | M18 x 1.5 | 23.9 | 23.9 | 3.0 | — | • | | |
| KDS22A3CX | 15-LR, 16-SM/SR, 18-LM/LR | M22 x 1.5/G1/2A | 26.9 | 30.0 | 4.5 | 2.6 | • | | |
| KDS26A3CX | 22-LM | M26 x 1.5 | 31.9 | 35.0 | 3.5 | 2.6 | • | | |
| KDS27A3CX | 20-SM/SR, 22-LR | M27 x 2/G3/4A | 32.9 | 38.0 | 3.5 | 2.6 | • | | |
| KDS33A3CX | 25-SM/SR, 28-LM/LR | M33 x 2/G1A | 39.9 | 42.0 | 3.5 | 2.6 | • | | |
| KDS42A3CX | 30-SM/SR, 35-LM/LR | M42 x 2/G1 1/4A | 49.9 | 49.9 | 3.5 | — | • | | |
| KDS48A3CX | 38-SM/SR, 42-LM/LR | M48 x 2/G1 1/2A | 55.9 | 60.0 | 3.5 | 2.6 | • | | |

Metal Seal for Banjo Fittings

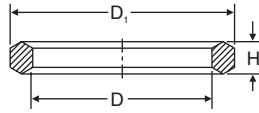


Specify size and material

Examples: DKA1/8A3CX (steel)
DKA1/871X (stainless steel)

| TUBE FITTING PART # | FOR APPLICATION IN BANJOS: | | THREAD | D (mm) | D1 (mm) | H (mm) | STANDARD From Stock | | |
|---------------------|----------------------------|-----------------|--------|-----------|---------|--------|---------------------|----|----|
| | WH / TH | SWVE | | | | | A3C | 71 | MS |
| British | | | | | | | | | |
| DKA1/8A3CX | 6LR | 4/6/8 LLR | 6LR | G 1/8 A | 9.8 | 14 | 2.5 | • | • |
| DKA1/4A3CX | 8LR 6SR | 8LR 6SR | 6SR | G 1/4 A | 13.3 | 18 | 3.0 | • | • |
| DKA1/4A3CX | 10LR 8SR | 10LR 8SR | 8SR | G 1/4 A | 13.3 | 18 | 3.0 | • | • |
| DKA3/8A3CX | 12LR 10SR | 12LR 10SR | 10SR | G 3/8 A | 16.8 | 22 | 3.0 | • | • |
| DKA3/8A3CX | 12SR | | | G 3/8 A | 16.8 | 22 | 3.0 | • | • |
| DKA1/2A3CX | | 15/18LR 14/16SR | | G 1/2 A | 21.1 | 26 | 3.0 | • | |
| DKA1/2X4.5A3CX | 15LR 14SR | | | G 1/2 A | 21.1 | 26 | 4.5 | • | • |
| DKA1/2X4.5A3CX | 18LR 16SR | | | G 1/2 A | 21.1 | 26 | 4.5 | • | • |
| DKA3/4A3CX | 22LR 20SR | 22LR 20SR | 20SR | G 3/4 A | 26.6 | 32 | 3.5 | • | • |
| DKA1A3CX | 28LR 25SR | | | G 1 A | 33.4 | 39 | 3.5 | • | • |
| DKA11/4A3CX | 35LR 30SR | | | G 1 1/4 A | 42.1 | 49 | 3.5 | • | • |
| DKA11/2A3CX | 42LR 38SR | | | G 1 1/2 A | 48.1 | 55 | 3.5 | • | • |
| Metric | | | | | | | | | |
| DKA10A3CX | 6LM | 6/8LLM | 6LM | M10 x 1 | 10.1 | 14 | 2.5 | • | • |
| DKA12A3CX | 8LM 6SM | 8LM 6SM | 6SM | M12 x 1.5 | 12.1 | 17 | 3.0 | • | • |
| DKA14A3CX | 10LM 8SM | 10LM 8SM | 8SM | M14 x 1.5 | 14.1 | 19 | 3.0 | • | • |
| DKA16A3CX | 12LM 10SM | 12LM 10SM | 10SM | M16 x 1.5 | 16.1 | 21 | 3.0 | • | • |
| DKA18A3CX | 15LM 12SM | 15LM 12SM | 12SM | M18 x 1.5 | 18.1 | 23 | 3.0 | • | • |
| DKA20A3CX | 14SM | | 14SM | M20 x 1.5 | 20.1 | 25 | 3.0 | • | • |
| DKA22A3CX | | 18LM 16SM | 16SM | M22 x 1.5 | 22.1 | 27 | 3.0 | • | • |
| DKA22X4.5A3CX | 18LM 16SM | | | M22 x 1.5 | 22.1 | 27 | 4.5 | • | |
| DKA26A3CX | | 22LM | | M26 x 1.5 | 26.1 | 31 | 3.0 | • | • |
| DKA26X3.5A3CX | 22LM | | | M26 x 1.5 | 26.1 | 31 | 3.5 | • | • |
| DKA27A3CX | 20SM | | 20SM | M27 x 2 | 27.1 | 32 | 3.5 | • | • |
| DKA33A3CX | 28LM 25SM | | | M33 x 2 | 33.1 | 39 | 3.5 | • | • |
| DKA11/4A3CX | 35LM 30SM | | | M42 x 2 | 42.1 | 49 | 3.5 | • | • |
| DKA11/2A3CX | 42LM 38SM | | | M48 x 2 | 48.1 | 55 | 3.5 | • | • |

Pressure Gauge Sealing Ring



Specify size and material

Examples: DK11/2A3CX (steel)
DK11/271X (stainless steel)

| TUBE FITTING PART # | FOR INTERNAL THREAD | D (mm) | D1 (mm) | H (mm) | STANDARD From Stock | | |
|---------------------|---------------------|--------|---------|--------|---------------------|----|----|
| | | | | | A3C | 71 | MS |
| DK11/4A3CX | G 1/4 | 6 | 11.3 | 4.5 | • | | |
| DK11/2A3CX | G 1/2 | 12 | 18.5 | 5.0 | • | • | |

EO O-Ring

Specify size and compound

Examples: OR4.5X1.5X (standard NBR)
OR4.5X1.5VITX (optional FPM)



Application range see following identification numbers 1 to 4

Application:

- 1=Weld nipples, swivel nuts
- 2=WH/TH
- 3=DVGE/DVWE
- 4=Hydr. flanges BFG/BFW

| TUBE FITTING PART # | D (mm) | H (mm) | APPLICATION | | STANDARD From Stock | |
|---------------------|--------|--------|-------------|-----------------|---------------------|-------|
| | | | # | Size | NBR* | FPM** |
| OR4.5X1.5X | 4.5 | 1.5 | 1 | 6L, 6S | • | • |
| OR6.5X1.5X | 6.5 | 1.5 | 1 | 8L, 8S | • | • |
| OR8X1.5X | 8.0 | 1.5 | 1 | 10L, 10S | • | • |
| OR9.3X1.5X | 9.3 | 1.5 | 2 | G 1/8, M12, M14 | • | • |
| OR10X1.5X | 10.0 | 1.5 | 1 | 12L, 12S | • | • |
| OR11X2X | 11.0 | 2.0 | 1 | 14S | • | • |
| OR12.5X1.5X | 12.5 | 1.5 | 2 | G 1/4, M12, M14 | • | • |
| OR13X2X | 13.0 | 2.0 | 1 | 16S | • | • |
| OR15X2X | 15.0 | 2.0 | 1 | 18L | • | • |
| OR16X1.5X | 16.0 | 1.5 | 2 | G 3/8, M16 | • | • |
| OR16.3X2.4X | 16.3 | 2.4 | 1 | 20S | • | • |
| OR17X3X | 17.0 | 3.0 | 3 | | • | |
| OR18X1.5X | 18.0 | 1.5 | 2 | M18 | • | • |
| OR20X1.5X | 20.0 | 1.5 | 2 | G 1/2, M20 | • | • |
| OR20X2X | 20.0 | 2.0 | 1 | 22L | • | • |
| OR20X2.5X | 20.0 | 2.5 | 4 | LK 35 | • | |
| OR20.3X2.4X | 20.3 | 2.4 | 1 | 25S | • | • |
| OR23.4X3.56X | 23.4 | 3.6 | 3 | | • | |
| OR25X2X | 25.0 | 2.0 | 2 | G 3/4, M26, M27 | • | • |
| OR25.3X2.4X | 25.3 | 2.4 | 1 | 30S | • | • |
| OR26X2X | 26.0 | 2.0 | 1 | 28L | • | • |
| OR26X2.5X | 26.0 | 2.5 | 4 | LK40 | • | |
| OR31X4X | 31.0 | 4.0 | 3 | | • | |
| OR32X2.5X | 32.0 | 2.5 | 1 | 35L | • | • |
| OR33X2.5X | 33.0 | 2.5 | 2, 4 | G 1, M33, LK55 | • | • |
| OR33.3X2.4X | 33.3 | 2.4 | 1 | 38S | • | • |
| OR34.5X3.53X | 34.5 | 3.5 | 3 | | • | |
| OR38X2.5X | 38.0 | 2.5 | 1 | 42L | • | • |
| OR41X2.5X | 41.0 | 2.5 | 2 | G 1 1/4, M42 | • | • |
| OR46X3X | 46.0 | 3.0 | 2 | G 1 1/2, M48 | • | • |

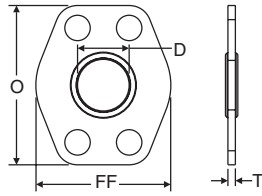
* NBR is standard compound — 90-durometer Nitrile.

** FPM is optional 90-durometer fluorocarbon compound.

For relating the O-ring sizes to the different fittings, see the [EO/EO-2 Section \(Section F\)](#).

Code 61 and 62 Flange Seal

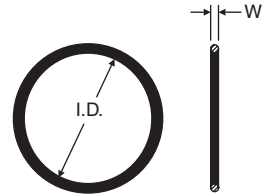
When using the Parflange technology for forming tube ends to assemble to SAE and ISO code 61 and 62 connections, a flange seal plate is required. Parker has designed this flange seal plate which incorporates a bonded elastomer seal for Leak Free connections.



SAE 4-Bolt Flange O-Ring

Code 61 and Code 62 Flanges

Specify size and compound
Examples: 2-210N0552



| TUBE FITTING PART # | FITTING DASH SIZE | CODE 61 SEALS | | | | STANDARD From Stock |
|---------------------|-------------------|---------------|---------|----------|---------|---------------------|
| | | T (in.) | O (in.) | FF (in.) | D (in.) | N0702* |
| 12Q1S N0702 | 12 | 0.10 | 2.56 | 2.1 | 1.0 | • |
| 16Q1S N0702 | 16 | 0.10 | 2.75 | 2.3 | 1.3 | • |
| 20Q1S N0702 | 20 | 0.10 | 3.12 | 2.9 | 1.5 | • |
| 24Q1S N0702 | 24 | 0.10 | 3.69 | 3.2 | 1.9 | • |
| 32Q1S N0702 | 32 | 0.10 | 4.00 | 3.8 | 2.2 | • |
| 40Q1S N0702 | 40 | 0.10 | 4.50 | 4.3 | 2.7 | • |
| 48Q1S N0702 | 48 | 0.10 | 5.32 | 5.2 | 2.4 | • |

| TUBE FITTING PART # | FITTING DASH SIZE | CODE 62 SEALS | | | | STANDARD From Stock |
|---------------------|-------------------|---------------|---------|----------|---------|---------------------|
| | | T (in.) | O (in.) | FF (in.) | D (in.) | N0702* |
| 12Q2S N0702 | 12 | 0.10 | 2.8 | 2.4 | 1.0 | • |
| 16Q2S N0702 | 16 | 0.10 | 3.2 | 2.8 | 1.3 | • |
| 20Q2S N0702 | 20 | 0.10 | 3.8 | 3.1 | 1.5 | • |
| 24Q2S N0702 | 24 | 0.10 | 4.4 | 3.8 | 1.9 | • |
| 32Q2S N0702 | 32 | 0.10 | 5.3 | 4.50 | 2.2 | • |

* All seal plates are zinc plated steel with a bonded 90 durometer nitrile elastomer, N0702.

| TUBE FITTING PART # | HOSE PRODUCTS DIVISION PART # ¹⁾ | FITTING DASH SIZE | W (in.) | I.D. (in.) | STANDARD From Stock |
|---------------------|---|-------------------|---------|------------|---------------------|
| | | | | | N0552* |
| 2-210 | 711510-6 | 8 | 0.139 | 0.734 | • |
| 2-214 | 711510-5 | 12 | 0.139 | 0.984 | • |
| 2-219 | 711510-4 | 16 | 0.139 | 1.296 | • |
| 2-222 | 711510-3 | 20 | 0.139 | 1.484 | • |
| 2-225 | 711510-2 | 24 | 0.139 | 1.859 | • |
| 2-228 | 711510-1 | 32 | 0.139 | 2.234 | • |

* N0552 is the standard compound — 90-durometer Nitrile.

1) Code 61, Code 62 Flange Kits and O-Rings may be purchased from the Hose Products Division (440) 943-5700.

See page U13 for O-ring Material Selection and data.