



## JAM NUT SEALS

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## Product Overview

Jam nut seals are o-rings that are designed to shield against radio frequency interference / electro-magnetic interference (RFI/EMI).

## Jam Nut Seals

Jam nut seals are compression moulded, and do not include a join like vulcanised-joined o-rings. Moulding is essential where small cross section and/or small inside diameter is required. If the O-Ring is to fit in a groove, it is important that the O-Ring does not over-fill the groove. The cross-sectional area of the groove must be a minimum of 5% greater than the O-Ring's cross-sectional area. Attention must be paid to ensure the closing force available will deflect the the O-Ring to the required working height. For more information, read the 114-specification for this product range.

## Compliance

Jam nut seals are compliant with :

- MIL-DTL-38999
- MIL-DTL-26482
- MIL-DTL-81511

## Tolerances

### Inside diameter (ID)

Less than 38.1mm  $\pm 0.25$ mm  
38.1mm - 50.8mm  $\pm 0.38$ mm

### Cross section diameter (CS)

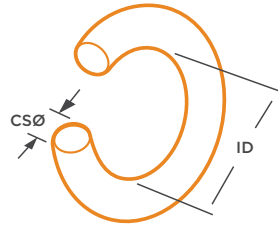
1.8mm  $\pm 0.1$ mm  
2.6mm  $\pm 0.13$ mm

## Moulded Tolerances

- Maximum tooling mismatch 0.08mm
- Flash and parting line projection:
- Maximum thickness 0.15mm
- Maximum protrusion 0.15mm

## The choice of jam nut seal (JNS) materials includes

| MATERIAL                        | MATERIAL CODE |
|---------------------------------|---------------|
| Silicone Nickel Graphite        | SNG           |
| Fluorosilicone Nickel Graphite  | FNG           |
| Silicone Silver Aluminum        | SSA           |
| Fluorosilicone Silver Aluminum  | FSA           |
| Silicone Nickel Aluminium       | SNA           |
| Fluorosilicone Nickel Aluminium | FNA           |



CSØ - Cross Section Diameter  
ID - Inside Diameter

## MIL-DTL-38999 / MIL-DTL-26482

| TCPN      | PART DESCRIPTION                   | FILLER MATERIAL                | PETROLEUM RESISTANCE | VOLUME RESISTIVITY (MAX) (OHMM) | CROSS SECTION DIAMETER [INCH] | CROSS SECTION DIAMETER [MM] | INSIDE DIAMETER (INCH) | INSIDE DIAMETER (MM) | OPERATING TEMPERATURE RANGE (C°) | OPERATING TEMPERATURE RANGE (F°) | SHELL SIZE |
|-----------|------------------------------------|--------------------------------|----------------------|---------------------------------|-------------------------------|-----------------------------|------------------------|----------------------|----------------------------------|----------------------------------|------------|
| 2430093-1 | JNS O-Ring SNG 38999 Shell 6       | Nickel Plated Graphite (Ni/C)  | No                   | .05                             | 0.071                         | 1.8                         | 0.551                  | 14                   | -55 - 160                        | -67 - 320                        | 6          |
| 2430094-1 | JNS O-Ring SNG 38999 Shell 8       | Nickel Plated Graphite (Ni/C)  | No                   | .05                             | 0.071                         | 1.8                         | 0.677                  | 17.2                 | -55 - 160                        | -67 - 320                        | 8          |
| 2430095-1 | JNS O-Ring SNG 38999 Shell 9 & 10  | Nickel Plated Graphite (Ni/C)  | No                   | .05                             | 0.071                         | 1.8                         | 0.803                  | 20.4                 | -55 - 160                        | -67 - 320                        | 9          |
| 2430096-1 | JNS O-Ring SNG 38999 Shell 11 & 12 | Nickel Plated Graphite (Ni/C)  | No                   | .05                             | 0.071                         | 1.8                         | 0.988                  | 25.1                 | -55 - 160                        | -67 - 320                        | 11         |
| 2430097-1 | JNS O-Ring SNG 38999 Shell 13 & 14 | Nickel Plated Graphite (Ni/C)  | No                   | .05                             | 0.071                         | 1.8                         | 1.114                  | 28.3                 | -55 - 160                        | -67 - 320                        | 13         |
| 2430098-1 | JNS O-Ring SNG 38999 Shell 15 & 16 | Nickel Plated Graphite (Ni/C)  | No                   | .05                             | 0.071                         | 1.8                         | 1.24                   | 31.5                 | -55 - 160                        | -67 - 320                        | 15         |
| 2430099-1 | JNS O-Ring SNG 38999 Shell 17 & 18 | Nickel Plated Graphite (Ni/C)  | No                   | .05                             | 0.071                         | 1.8                         | 1.366                  | 34.7                 | -55 - 160                        | -67 - 320                        | 17         |
| 2430100-1 | JNS O-Ring SNG 38999 Shell 19 & 20 | Nickel Plated Graphite (Ni/C)  | No                   | .05                             | 0.102                         | 2.6                         | 1.476                  | 37.5                 | -55 - 160                        | -67 - 320                        | 19         |
| 2430101-1 | JNS O-Ring SNG 38999 Shell 21 & 22 | Nickel Plated Graphite (Ni/C)  | No                   | .05                             | 0.102                         | 2.6                         | 1.61                   | 40.9                 | -55 - 160                        | -67 - 320                        | 21         |
| 2430102-1 | JNS O-Ring SNG 38999 Shell 23 & 24 | Nickel Plated Graphite (Ni/C)  | No                   | .05                             | 0.102                         | 2.6                         | 1.736                  | 44.1                 | -55 - 160                        | -67 - 320                        | 23         |
| 2430103-1 | JNS O-Ring SNG 38999 Shell 25      | Nickel Plated Graphite (Ni/C)  | No                   | .05                             | 0.102                         | 2.6                         | 1.862                  | 47.3                 | -55 - 160                        | -67 - 320                        | 25         |
| 2430104-1 | JNS O-Ring FNG 38999 Shell 6       | Nickel Plated Graphite (Ni/C)  | Yes                  | .05                             | 0.071                         | 1.8                         | 0.551                  | 14                   | -55 - 160                        | -67 - 320                        | 6          |
| 2430105-1 | JNS O-Ring FNG 38999 Shell 8       | Nickel Plated Graphite (Ni/C)  | Yes                  | .05                             | 0.071                         | 1.8                         | 0.677                  | 17.2                 | -55 - 160                        | -67 - 320                        | 8          |
| 2430106-1 | JNS O-Ring FNG 38999 Shell 9 & 10  | Nickel Plated Graphite (Ni/C)  | Yes                  | .05                             | 0.071                         | 1.8                         | 0.803                  | 20.4                 | -55 - 160                        | -67 - 320                        | 9          |
| 2430107-1 | JNS O-Ring FNG 38999 Shell 11 & 12 | Nickel Plated Graphite (Ni/C)  | Yes                  | .05                             | 0.071                         | 1.8                         | 0.988                  | 25.1                 | -55 - 160                        | -67 - 320                        | 11         |
| 2430108-1 | JNS O-Ring FNG 38999 Shell 13 & 14 | Nickel Plated Graphite (Ni/C)  | Yes                  | .05                             | 0.071                         | 1.8                         | 1.114                  | 28.3                 | -55 - 160                        | -67 - 320                        | 13         |
| 2430109-1 | JNS O-Ring FNG 38999 Shell 15 & 16 | Nickel Plated Graphite (Ni/C)  | Yes                  | .05                             | 0.071                         | 1.8                         | 1.24                   | 31.5                 | -55 - 160                        | -67 - 320                        | 15         |
| 2430110-1 | JNS O-Ring FNG 38999 Shell 17 & 18 | Nickel Plated Graphite (Ni/C)  | Yes                  | .05                             | 0.071                         | 1.8                         | 1.366                  | 34.7                 | -55 - 160                        | -67 - 320                        | 17         |
| 2430111-1 | JNS O-Ring FNG 38999 Shell 19 & 20 | Nickel Plated Graphite (Ni/C)  | Yes                  | .05                             | 0.102                         | 2.6                         | 1.476                  | 37.5                 | -55 - 160                        | -67 - 320                        | 19         |
| 2430112-1 | JNS O-Ring FNG 38999 Shell 21 & 22 | Nickel Plated Graphite (Ni/C)  | Yes                  | .05                             | 0.102                         | 2.6                         | 1.61                   | 40.9                 | -55 - 160                        | -67 - 320                        | 21         |
| 2430113-1 | JNS O-Ring FNG 38999 Shell 23 & 24 | Nickel Plated Graphite (Ni/C)  | Yes                  | .05                             | 0.102                         | 2.6                         | 1.736                  | 44.1                 | -55 - 160                        | -67 - 320                        | 23         |
| 2430114-1 | JNS O-Ring FNG 38999 Shell 25      | Nickel Plated Graphite (Ni/C)  | Yes                  | .05                             | 0.102                         | 2.6                         | 1.862                  | 47.3                 | -55 - 160                        | -67 - 320                        | 25         |
| 2430115-1 | JNS O-Ring SSA 38999 Shell 6       | Silver Plated Aluminum (Ag/Al) | No                   | .008                            | 0.071                         | 1.8                         | 0.551                  | 14                   | -55 - 160                        | -67 - 320                        | 6          |

## MIL-DTL-38999 / MIL-DTL-26482 (Cont.)

| TCPN      | PART DESCRIPTION                   | FILLER MATERIAL                | PETROLEUM RESISTANCE | VOLUME RESISTIVITY (MAX) (OHMCIN) | CROSS SECTION DIAMETER [INCH] | CROSS SECTION DIAMETER [MM] | INSIDE DIAMETER (INCH) | INSIDE DIAMETER (MM) | OPERATING TEMPERATURE RANGE (C°) | OPERATING TEMPERATURE RANGE (F°) | SHELL SIZE |
|-----------|------------------------------------|--------------------------------|----------------------|-----------------------------------|-------------------------------|-----------------------------|------------------------|----------------------|----------------------------------|----------------------------------|------------|
| 2430116-1 | JNS O-Ring SSA 38999 Shell 8       | Silver Plated Aluminum (Ag/Al) | No                   | .008                              | 0.071                         | 1.8                         | 0.677                  | 17.2                 | -55 - 160                        | -67 - 320                        | 8          |
| 2430117-1 | JNS O-Ring SSA 38999 Shell 9 & 10  | Silver Plated Aluminum (Ag/Al) | No                   | .008                              | 0.071                         | 1.8                         | 0.803                  | 20.4                 | -55 - 160                        | -67 - 320                        | 9          |
| 2430118-1 | JNS O-Ring SSA 38999 Shell 11 & 12 | Silver Plated Aluminum (Ag/Al) | No                   | .008                              | 0.071                         | 1.8                         | 0.988                  | 25.1                 | -55 - 160                        | -67 - 320                        | 11         |
| 2430119-1 | JNS O-Ring SSA 38999 Shell 13 & 14 | Silver Plated Aluminum (Ag/Al) | No                   | .008                              | 0.071                         | 1.8                         | 1.114                  | 28.3                 | -55 - 160                        | -67 - 320                        | 13         |
| 2430120-1 | JNS O-Ring SSA 38999 Shell 15 & 16 | Silver Plated Aluminum (Ag/Al) | No                   | .008                              | 0.071                         | 1.8                         | 1.24                   | 31.5                 | -55 - 160                        | -67 - 320                        | 15         |
| 2430121-1 | JNS O-Ring SSA 38999 Shell 17 & 18 | Silver Plated Aluminum (Ag/Al) | No                   | .008                              | 0.071                         | 1.8                         | 1.366                  | 34.7                 | -55 - 160                        | -67 - 320                        | 17         |
| 2430122-1 | JNS O-Ring SSA 38999 Shell 19 & 20 | Silver Plated Aluminum (Ag/Al) | No                   | .008                              | 0.102                         | 2.6                         | 1.476                  | 37.5                 | -55 - 160                        | -67 - 320                        | 19         |
| 2430123-1 | JNS O-Ring SSA 38999 Shell 21 & 22 | Silver Plated Aluminum (Ag/Al) | No                   | .008                              | 0.102                         | 2.6                         | 1.61                   | 40.9                 | -55 - 160                        | -67 - 320                        | 21         |
| 2430124-1 | JNS O-Ring SSA 38999 Shell 23 & 24 | Silver Plated Aluminum (Ag/Al) | No                   | .008                              | 0.102                         | 2.6                         | 1.736                  | 44.1                 | -55 - 160                        | -67 - 320                        | 23         |
| 2430125-1 | JNS O-Ring SSA 38999 Shell 25      | Silver Plated Aluminum (Ag/Al) | No                   | .008                              | 0.102                         | 2.6                         | 1.862                  | 47.3                 | -55 - 160                        | -67 - 320                        | 25         |
| 2430126-1 | JNS O-Ring FSA 38999 Shell 6       | Silver Plated Aluminum (Ag/Al) | Yes                  | .012                              | 0.071                         | 1.8                         | 0.551                  | 14                   | -55 - 160                        | -67 - 320                        | 6          |
| 2430127-1 | JNS O-Ring FSA 38999 Shell 8       | Silver Plated Aluminum (Ag/Al) | Yes                  | .012                              | 0.071                         | 1.8                         | 0.677                  | 17.2                 | -55 - 160                        | -67 - 320                        | 8          |
| 2430128-1 | JNS O-Ring FSA 38999 Shell 9 & 10  | Silver Plated Aluminum (Ag/Al) | Yes                  | .012                              | 0.071                         | 1.8                         | 0.803                  | 20.4                 | -55 - 160                        | -67 - 320                        | 9          |
| 2430129-1 | JNS O-Ring FSA 38999 Shell 11 & 12 | Silver Plated Aluminum (Ag/Al) | Yes                  | .012                              | 0.071                         | 1.8                         | 0.988                  | 25.1                 | -55 - 160                        | -67 - 320                        | 11         |
| 2430130-1 | JNS O-Ring FSA 38999 Shell 13 & 14 | Silver Plated Aluminum (Ag/Al) | Yes                  | .012                              | 0.071                         | 1.8                         | 1.114                  | 28.3                 | -55 - 160                        | -67 - 320                        | 13         |
| 2430131-1 | JNS O-Ring FSA 38999 Shell 15 & 16 | Silver Plated Aluminum (Ag/Al) | Yes                  | .012                              | 0.071                         | 1.8                         | 1.24                   | 31.5                 | -55 - 160                        | -67 - 320                        | 15         |
| 2430132-1 | JNS O-Ring FSA 38999 Shell 17 & 18 | Silver Plated Aluminum (Ag/Al) | Yes                  | .012                              | 0.071                         | 1.8                         | 1.366                  | 34.7                 | -55 - 160                        | -67 - 320                        | 17         |
| 2430133-1 | JNS O-Ring FSA 38999 Shell 19 & 20 | Silver Plated Aluminum (Ag/Al) | Yes                  | .012                              | 0.102                         | 2.6                         | 1.476                  | 37.5                 | -55 - 160                        | -67 - 320                        | 19         |
| 2430134-1 | JNS O-Ring FSA 38999 Shell 21 & 22 | Silver Plated Aluminum (Ag/Al) | Yes                  | .012                              | 0.102                         | 2.6                         | 1.61                   | 40.9                 | -55 - 160                        | -67 - 320                        | 21         |
| 2430135-1 | JNS O-Ring FSA 38999 Shell 23 & 24 | Silver Plated Aluminum (Ag/Al) | Yes                  | .012                              | 0.102                         | 2.6                         | 1.736                  | 44.1                 | -55 - 160                        | -67 - 320                        | 23         |
| 2430136-1 | JNS O-Ring FSA 38999 Shell 25      | Silver Plated Aluminum (Ag/Al) | Yes                  | .012                              | 0.102                         | 2.6                         | 1.862                  | 47.3                 | -55 - 160                        | -67 - 320                        | 25         |

## MIL-DTL-38999 / MIL-DTL-26482 (Cont.)

| TCPN      | PART DESCRIPTION                   | FILLER MATERIAL                 | PETROLEUM RESISTANCE | VOLUME RESISTIVITY (MAX) (OHMCIN) | CROSS SECTION DIAMETER [INCH] | CROSS SECTION DIAMETER [MM] | INSIDE DIAMETER (INCH) | INSIDE DIAMETER (MM) | OPERATING TEMPERATURE RANGE (C°) | OPERATING TEMPERATURE RANGE (F°) | SHELL SIZE |
|-----------|------------------------------------|---------------------------------|----------------------|-----------------------------------|-------------------------------|-----------------------------|------------------------|----------------------|----------------------------------|----------------------------------|------------|
| 2488724-1 | JNS O-Ring SNA 38999 Shell 6       | Nickel Plated Aluminium (Ni/Al) | No                   | 0.1                               | 0.071                         | 1.8                         | 0.551                  | 14                   | -55 - 125                        | -67 - 257                        | 6          |
| 2488725-1 | JNS O-Ring SNA 38999 Shell 8       | Nickel Plated Aluminium (Ni/Al) | No                   | 0.1                               | 0.071                         | 1.8                         | 0.677                  | 17.2                 | -55 - 125                        | -67 - 257                        | 8          |
| 2488726-1 | JNS O-Ring SNA 38999 Shell 9 & 10  | Nickel Plated Aluminium (Ni/Al) | No                   | 0.1                               | 0.071                         | 1.8                         | 0.803                  | 20.4                 | -55 - 125                        | -67 - 257                        | 9          |
| 2488727-1 | JNS O-Ring SNA 38999 Shell 11 & 12 | Nickel Plated Aluminium (Ni/Al) | No                   | 0.1                               | 0.071                         | 1.8                         | 0.988                  | 25.1                 | -55 - 125                        | -67 - 257                        | 11         |
| 2488728-1 | JNS O-Ring SNA 38999 Shell 13 & 14 | Nickel Plated Aluminium (Ni/Al) | No                   | 0.1                               | 0.071                         | 1.8                         | 1.114                  | 28.3                 | -55 - 125                        | -67 - 257                        | 13         |
| 2488729-1 | JNS O-Ring SNA 38999 Shell 15 & 16 | Nickel Plated Aluminium (Ni/Al) | No                   | 0.1                               | 0.071                         | 1.8                         | 1.24                   | 31.5                 | -55 - 125                        | -67 - 257                        | 15         |
| 2488730-1 | JNS O-Ring SNA 38999 Shell 17 & 18 | Nickel Plated Aluminium (Ni/Al) | No                   | 0.1                               | 0.071                         | 1.8                         | 1.366                  | 34.7                 | -55 - 125                        | -67 - 257                        | 17         |
| 2488731-1 | JNS O-Ring SNA 38999 Shell 19 & 20 | Nickel Plated Aluminium (Ni/Al) | No                   | 0.1                               | 0.102                         | 2.6                         | 1.476                  | 37.5                 | -55 - 125                        | -67 - 257                        | 19         |
| 2488732-1 | JNS O-Ring SNA 38999 Shell 21 & 22 | Nickel Plated Aluminium (Ni/Al) | No                   | 0.1                               | 0.102                         | 2.6                         | 1.61                   | 40.9                 | -55 - 125                        | -67 - 257                        | 21         |
| 2488733-1 | JNS O-Ring SNA 38999 Shell 23 & 24 | Nickel Plated Aluminium (Ni/Al) | No                   | 0.1                               | 0.102                         | 2.6                         | 1.736                  | 44.1                 | -55 - 125                        | -67 - 257                        | 23         |
| 2488734-1 | JNS O-Ring SNA 38999 Shell 25      | Nickel Plated Aluminium (Ni/Al) | No                   | 0.1                               | 0.102                         | 2.6                         | 1.862                  | 47.3                 | -55 - 125                        | -67 - 257                        | 25         |
| 2488735-1 | JNS O-Ring FNA 38999 Shell 6       | Nickel Plated Aluminium (Ni/Al) | Yes                  | 0.1                               | 0.071                         | 1.8                         | 0.551                  | 14                   | -55 - 125                        | -67 - 257                        | 6          |
| 2488736-1 | JNS O-Ring FNA 38999 Shell 8       | Nickel Plated Aluminium (Ni/Al) | Yes                  | 0.1                               | 0.071                         | 1.8                         | 0.677                  | 17.2                 | -55 - 125                        | -67 - 257                        | 8          |
| 2488737-1 | JNS O-Ring FNA 38999 Shell 9 & 10  | Nickel Plated Aluminium (Ni/Al) | Yes                  | 0.1                               | 0.071                         | 1.8                         | 0.803                  | 20.4                 | -55 - 125                        | -67 - 257                        | 9          |
| 2488738-1 | JNS O-Ring FNA 38999 Shell 11 & 12 | Nickel Plated Aluminium (Ni/Al) | Yes                  | 0.1                               | 0.071                         | 1.8                         | 0.988                  | 25.1                 | -55 - 125                        | -67 - 257                        | 11         |
| 2488739-1 | JNS O-Ring FNA 38999 Shell 13 & 14 | Nickel Plated Aluminium (Ni/Al) | Yes                  | 0.1                               | 0.071                         | 1.8                         | 1.114                  | 28.3                 | -55 - 125                        | -67 - 257                        | 13         |
| 2488740-1 | JNS O-Ring FNA 38999 Shell 15 & 16 | Nickel Plated Aluminium (Ni/Al) | Yes                  | 0.1                               | 0.071                         | 1.8                         | 1.24                   | 31.5                 | -55 - 125                        | -67 - 257                        | 15         |
| 2488741-1 | JNS O-Ring FNA 38999 Shell 17 & 18 | Nickel Plated Aluminium (Ni/Al) | Yes                  | 0.1                               | 0.071                         | 1.8                         | 1.366                  | 34.7                 | -55 - 125                        | -67 - 257                        | 17         |
| 2488742-1 | JNS O-Ring FNA 38999 Shell 19 & 20 | Nickel Plated Aluminium (Ni/Al) | Yes                  | 0.1                               | 0.102                         | 2.6                         | 1.476                  | 37.5                 | -55 - 125                        | -67 - 257                        | 19         |
| 2488743-1 | JNS O-Ring FNA 38999 Shell 21 & 22 | Nickel Plated Aluminium (Ni/Al) | Yes                  | 0.1                               | 0.102                         | 2.6                         | 1.61                   | 40.9                 | -55 - 125                        | -67 - 257                        | 21         |
| 2488744-1 | JNS O-Ring FNA 38999 Shell 23 & 24 | Nickel Plated Aluminium (Ni/Al) | Yes                  | 0.1                               | 0.102                         | 2.6                         | 1.736                  | 44.1                 | -55 - 125                        | -67 - 257                        | 23         |
| 2488745-1 | JNS O-Ring FNA 38999 Shell 25      | Nickel Plated Aluminium (Ni/Al) | Yes                  | 0.1                               | 0.102                         | 2.6                         | 1.862                  | 47.3                 | -55 - 125                        | -67 - 257                        | 25         |

## MIL-DTL-81511

| TCPN      | PART DESCRIPTION                  | FILLER MATERIAL                | PETROLEUM RESISTANCE | VOLUME RESISTIVITY (MAX) (OHMCIN) | CROSS SECTION DIAMETER [INCH] | CROSS SECTION DIAMETER [MM] | INSIDE DIAMETER (INCH) | INSIDE DIAMETER (MM) | OPERATING TEMPERATURE RANGE (C°) | OPERATING TEMPERATURE RANGE (F°) | SHELL SIZE |
|-----------|-----------------------------------|--------------------------------|----------------------|-----------------------------------|-------------------------------|-----------------------------|------------------------|----------------------|----------------------------------|----------------------------------|------------|
| 2430221-1 | JNS O-Ring SNG 81511 Shell 8      | Nickel Plated Graphite (Ni/C)  | No                   | .05                               | 0.071                         | 1.8                         | 0.74                   | 18.8                 | -55 - 160                        | -67 - 320                        | 8          |
| 2430222-1 | JNS O-Ring SNG 81511 Shell 9 & 10 | Nickel Plated Graphite (Ni/C)  | No                   | .05                               | 0.071                         | 1.8                         | 0.866                  | 22                   | -55 - 160                        | -67 - 320                        | 9          |
| 2430223-1 | JNS O-Ring FNG 81511 Shell 8      | Nickel Plated Graphite (Ni/C)  | Yes                  | .05                               | 0.071                         | 1.8                         | 0.74                   | 18.8                 | -55 - 160                        | -67 - 320                        | 8          |
| 2430224-1 | JNS O-Ring FNG 81511 Shell 9 & 10 | Nickel Plated Graphite (Ni/C)  | Yes                  | .05                               | 0.071                         | 1.8                         | 0.866                  | 22                   | -55 - 160                        | -67 - 320                        | 9          |
| 2430225-1 | JNS O-Ring SSA 81511 Shell 8      | Silver Plated Aluminum (Ag/Al) | No                   | .008                              | 0.071                         | 1.8                         | 0.74                   | 18.8                 | -55 - 160                        | -67 - 320                        | 8          |
| 2430226-1 | JNS O-Ring SSA 81511 Shell 9 & 10 | Silver Plated Aluminum (Ag/Al) | No                   | .008                              | 0.071                         | 1.8                         | 0.866                  | 22                   | -55 - 160                        | -67 - 320                        | 9          |
| 2430227-1 | JNS O-Ring FSA 81511 Shell 8      | Silver Plated Aluminum (Ag/Al) | Yes                  | .012                              | 0.071                         | 1.8                         | 0.74                   | 18.8                 | -55 - 160                        | -67 - 320                        | 8          |
| 2430228-1 | JNS O-Ring FSA 81511 Shell 9 & 10 | Silver Plated Aluminum (Ag/Al) | Yes                  | .012                              | 0.071                         | 1.8                         | 0.866                  | 22                   | -55 - 160                        | -67 - 320                        | 9          |

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