

Elco Construction Products Avdel® N Rivets

Protruding head nail rivets for metal to metal applications



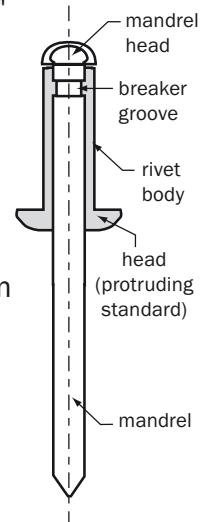
The N Rivet relies on a unique mandrel head design to complete the application joint and ensure positive stem retention after installation. They install quickly and easily from one side of the application. These tamper-resistant fasteners also provide superior vibration resistance.



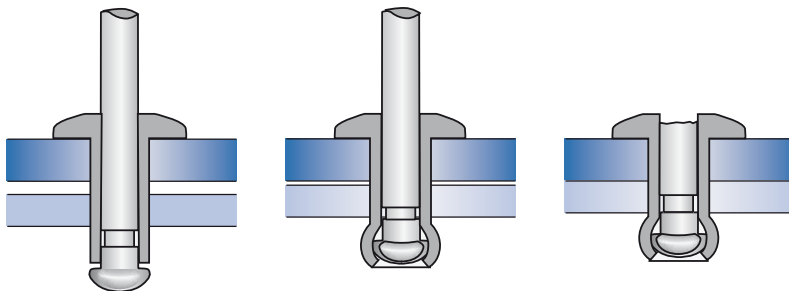
A wide range of sizes and materials are available in stock. See selection guide on opposite side of this page for details.

Features

- 1/8", 5/32" and 3/16" diameters
- .275" to .980" lengths
- Grip ranges of .020" to .750"
- Body/Mandrel material:
 - Aluminum/Aluminum
 - Steel/Steel
 - Aluminum/Steel
 - Stainless/Stainless
- Head Styles: Protruding, countersunk and large flange available



N Rivet Placement Sequence



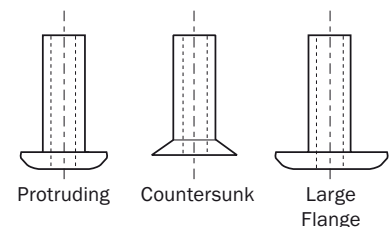
Benefits

- High quality with low in-place cost
- Install from one side
- Vibration resistant
- Tamper-resistant
- Long grip ranges
- High pull-out and shear strengths
- Works in all hand and battery tooling
- Packaged and bulk available
- Custom painting

Shear and Tensile Values

| Dia. | Body | Mandrel | Shear | Tensile |
|-------|-----------|-----------|-------|---------|
| 1/8" | Aluminum | Aluminum | 120 | 150 |
| 1/8" | Steel | Steel | 260 | 310 |
| 1/8" | Aluminum | Steel | 170 | 220 |
| 1/8" | Stainless | Stainless | 420 | 530 |
| 5/32" | Aluminum | Aluminum | 190 | 230 |
| 5/32" | Steel | Steel | 370 | 470 |
| 5/32" | Aluminum | Steel | 260 | 350 |
| 5/32" | Stainless | Stainless | 650 | 820 |
| 3/16" | Aluminum | Aluminum | 260 | 320 |
| 3/16" | Steel | Steel | 540 | 680 |
| 3/16" | Aluminum | Steel | 380 | 500 |
| 3/16" | Stainless | Stainless | 950 | 1200 |

Head Styles



NOTE: All performance data shown is based on tests performed under laboratory conditions at independent construction testing facilities. The appropriate safety factor should be applied and code requirements factored into specification and use of these fasteners. A safety factor of 4:1 or 25% of the ultimate average values shown is generally accepted as an appropriate working load. Final determination of the appropriate safety factor and use of these fasteners is the sole responsibility of the user, specifying Engineer, Architect or other responsible person designing the connection. Due to a wide variety of application conditions or intervening factors not under our control, we assume no liability for the use of the information provided in this document. For additional product information and technical assistance, **please contact Elco directly at 1-800-435-7213.**



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Selection Guide

*Package Quantity/Master: 250/2500. Bulk quantities as shown. ** Not available packaged – bulk only.

All Aluminum Protruding Head

| Size | Dia. | Packaged* Cat. No. | Bulk Cat. No. | Bulk Qty. | Grip Range | Hole Size |
|------|-------|-----------------------|------------------|--------------|---------------|-----------------|
| 42 | 1/8" | AAPS-04-02-250 | AAPS-04-02 | 10,000 | .063 - .125 | #30 (.1285") |
| 43 | | AAPS-04-03-250 | AAPS-04-03 | 10,000 | .126 - .187 | |
| 44 | | AAPS-04-04-250 | AAPS-04-04 | 10,000 | .188 - .250 | |
| 45 | | AAPS-04-05-250 | AAPS-04-05 | 10,000 | .251 - .312 | |
| 46 | | AAPS-04-06-250 | AAPS-04-06 | 10,000 | .313 - .375 | |
| 48 | | AAPS-04-08-250 | AAPS-04-08 | 10,000 | .438 - .500 | |
| 52 | 5/32" | AAPS-05-02-250 | AAPS-05-02 | 8,000 | .020 - .125 | #20 (.161") |
| 54 | | AAPS-05-04-250 | AAPS-05-04 | 8,000 | .126 - .250 | |
| 56 | | AAPS-05-06-250 | AAPS-05-06 | 8,000 | .251 - .375 | |
| 58 | 3/16" | AAPS-05-08-250 | AAPS-05-08 | 8,000 | .376 - .500 | #11 (.191") |
| 62 | | AAPS-06-02-250 | AAPS-06-02 | 5,000 | .020 - .125 | |
| 64 | | AAPS-06-04-250 | AAPS-06-04 | 5,000 | .126 - .250 | |
| 66 | | AAPS-06-06-250 | AAPS-06-06 | 5,000 | .251 - .375 | |
| 68 | | AAPS-06-08-250 | AAPS-06-08 | 5,000 | .376 - .500 | |
| 610 | | AAPS-06-10-250 | AAPS-06-10 | 4,000 | .501 - .625 | |
| 612 | | AAPS-06-12-250 | AAPS-06-12 | 4,000 | .626 - .750 | |

All Steel Protruding Head

| Size | Dia. | Packaged Cat. No. | Bulk Cat. No. | Bulk Qty. | Grip Range | Hole Size |
|------|-------|----------------------|------------------|--------------|---------------|-----------------|
| 42 | 1/8" | SSPS-04-02-250 | SSPS-04-02 | 10,000 | .063 - .125 | #30 (.1285") |
| 43 | | SSPS-04-03-250 | SSPS-04-03 | 10,000 | .126 - .187 | |
| 44 | | SSPS-04-04-250 | SSPS-04-04 | 10,000 | .188 - .250 | |
| 45 | | SSPS-04-05-250 | SSPS-04-05 | 10,000 | .251 - .312 | |
| 46 | | SSPS-04-06-250 | SSPS-04-06 | 10,000 | .313 - .375 | |
| 48 | | SSPS-04-08-250 | SSPS-04-08 | 10,000 | .438 - .500 | |
| 54 | 5/32" | SSPS-05-04-250 | SSPS-05-04 | 5,000 | .126 - .250 | #20 (.161") |
| 56 | | SSPS-05-06-250 | SSPS-05-06 | 5,000 | .251 - .375 | |
| 62 | 3/16" | SSPS-06-02-250 | SSPS-06-02 | 4,000 | .020 - .125 | #11 (.191") |
| 64 | | SSPS-06-04-250 | SSPS-06-04 | 4,000 | .126 - .250 | |
| 66 | | SSPS-06-06-250 | SSPS-06-06 | 4,000 | .251 - .375 | |
| 68 | | SSPS-06-08-250 | SSPS-06-08 | 3,000 | .376 - .500 | |
| 610 | | SSPS-06-10-250 | SSPS-06-10 | 3,000 | .501 - .625 | |
| 612 | | SSPS-06-12-250 | SSPS-06-12 | 3,000 | .626 - .750 | |

Installation Tools



| Cat. No. | Description |
|-----------|-------------------------------------------------|
| G-28 | Hand riveter for 1/8" and 3/16" diameter rivets |
| 728A9-104 | Additional nose piece for 5/32" diameter rivets |

Aluminum/Steel Protruding Head

| Size | Dia. | Packaged Cat. No. | Bulk Cat. No. | Bulk Qty. | Grip Range | Hole Size |
|------|-------|----------------------|------------------|--------------|---------------|-----------------|
| 42 | 1/8" | BSPS-04-02-250 | BSPS-04-02 | 10,000 | .063 - .125 | #30 (.1285") |
| 43 | | BSPS-04-03-250 | BSPS-04-03 | 10,000 | .126 - .187 | |
| 44 | | BSPS-04-04-250 | BSPS-04-04 | 10,000 | .188 - .250 | |
| 45 | | BSPS-04-05-250 | BSPS-04-05 | 10,000 | .251 - .312 | |
| 46 | | BSPS-04-06-250 | BSPS-04-06 | 10,000 | .313 - .375 | |
| 48 | | BSPS-04-08-250 | BSPS-04-08 | 10,000 | .438 - .500 | |
| 54 | 5/32" | BSPS-05-04-250 | BSPS-05-04 | 5,000 | .126 - .250 | #20 (.161") |
| 56 | | BSPS-05-06-250 | BSPS-05-06 | 5,000 | .251 - .375 | |
| 62 | 3/16" | BSPS-06-02-250 | BSPS-06-02 | 5,000 | .020 - .125 | #11 (.191") |
| 64 | | BSPS-06-04-250 | BSPS-06-04 | 4,000 | .126 - .250 | |
| 66 | | BSPS-06-06-250 | BSPS-06-06 | 4,000 | .251 - .375 | |
| 68 | | BSPS-06-08-250 | BSPS-06-08 | 3,000 | .376 - .500 | |
| 610 | | BSPS-06-10-250 | BSPS-06-10 | 3,000 | .501 - .625 | |
| 612 | | BSPS-06-12-250 | BSPS-06-12 | 3,000 | .626 - .750 | |

All Stainless Protruding Head

| Size | Dia. | Packaged Cat. No. | Bulk Cat. No. | Bulk Qty. | Grip Range | Hole Size |
|------|----------------|----------------------|------------------|--------------|---------------|-----------------|
| 42 | 1/8" | CCPS-04-02-250 | CCPS-04-02 | 10,000 | .063 - .125 | #30 (.1285") |
| 43 | | CCPS-04-03-250 | CCPS-04-03 | 10,000 | .126 - .187 | |
| 44 | | CCPS-04-04-250 | CCPS-04-04 | 10,000 | .188 - .250 | |
| 45 | | CCPS-04-05-250 | CCPS-04-05 | 10,000 | .251 - .312 | |
| 46 | | CCPS-04-06-250 | CCPS-04-06 | 10,000 | .313 - .375 | |
| 54 | | 5/32" | CCPS-05-04-250 | CCPS-05-04 | 5,000 | |
| 56 | CCPS-05-06-250 | | CCPS-05-06 | 5,000 | .251 - .375 | |
| 62 | 3/16" | CCPS-06-02-250 | CCPS-06-02 | 4,000 | .020 - .125 | #11 (.191") |
| 64 | | CCPS-06-04-250 | CCPS-06-04 | 4,000 | .126 - .250 | |
| 66 | | CCPS-06-06-250 | CCPS-06-06 | 4,000 | .251 - .375 | |
| 68 | | CCPS-06-08-250 | CCPS-06-08 | 4,000 | .376 - .500 | |

All Aluminum Protruding Head – White (Painted)**

| Size | Dia. | Bulk Cat. No. | Bulk Qty. | Grip Range | Hole Size |
|------|------|------------------|-----------|---------------|-----------------|
| 42 | 1/8" | AAPS-04-02W | 10,000 | .063 - .125 | #30 (.1285") |
| 43 | | AAPS-04-03W | 10,000 | .126 - .187 | |
| 44 | | AAPS-04-04W | 10,000 | .188 - .250 | |

All Steel Protruding Head – White (Painted)**

| Size | Dia. | Bulk Cat. No. | Bulk Qty. | Grip Range | Hole Size |
|------|------|------------------|-----------|---------------|-----------------|
| 42 | 1/8" | SSPS-04-02W | 10,000 | .063 - .125 | #30 (.1285") |
| 43 | | SSPS-04-03W | 10,000 | .126 - .187 | |
| 44 | | SSPS-04-04W | 10,000 | .188 - .250 | |

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