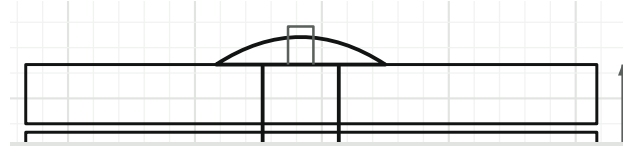
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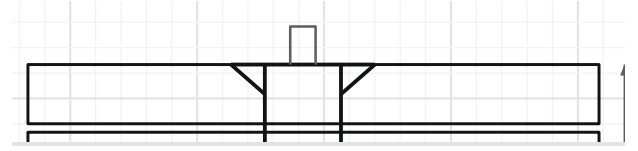


# Blind Fasteners: Part Numbers at a Glance

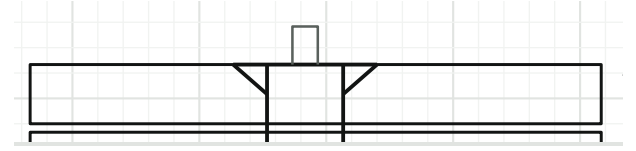
Every blind fastener data sheet in one table, grouped by type. Each cell is read from its sheet and a dash means the sheet does not say; the rows run by head style, then by part number.



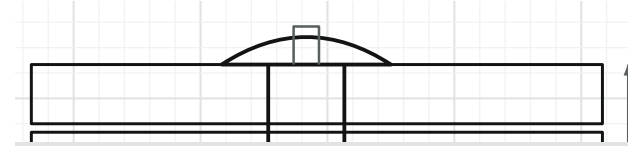
**Universal (protruding)**
Dome above the skin.



**100° flush (countersunk)**
Cone in a 100° countersink.



**100° flush shear**
Smaller 100° head.



**Unisink**
Low, shallow dome.

| Part number | Description | Head | Size | Sleeve / stem | |
|---|---|---|---|---|---|
| **CherryMAX bulbed structural rivets** · 16 sheets | | | | | |
| CR3213 | CherryMAX, universal head | Universal | Nominal | Aluminum (alloy not stated) | Alloy steel |
| CR3223 | CherryMAX, universal head, CRES stem | Universal | Nominal | Aluminum alloy | CRES |
| CR3243 | CherryMAX, universal head, oversize (.140 / .173 / .201 / .267) | Universal | Oversize | 5056 aluminum | 8740 alloy steel + A-286 CRES lock collar |
| CR3253 | CherryMAX, universal head, CRES stem, oversize | Universal | Oversize | Aluminum alloy | CRES |
| CR3523 | CherryMAX, universal head, CRES stem, Monel | Universal | Nominal | Monel | CRES |
| CR3553 | CherryMAX, universal head, CRES stem, Monel, oversize | Universal | Oversize | Monel | CRES |
| CR3212 | CherryMAX, 100° flush head | 100° flush | Nominal | Aluminum (alloy not stated) | Alloy steel |
| CR3222 | CherryMAX, 100° flush head, CRES stem | 100° flush | Nominal | Aluminum alloy | CRES |
| CR3242 | CherryMAX, 100° flush head, oversize (.140 / .173 / .201 / .267) | 100° flush | Oversize | 5056 aluminum | 8740 alloy steel + A-286 CRES lock collar |
| CR3252 | CherryMAX, 100° flush head, CRES stem, oversize | 100° flush | Oversize | Aluminum alloy | CRES |
| CR3522 | CherryMAX, 100° flush head, CRES stem, Monel | 100° flush | Nominal | Monel | CRES |
| CR3552 | CherryMAX, 100° flush head, CRES stem, Monel, oversize | 100° flush | Oversize | Monel | CRES |
| CR3214 | CherryMAX, 100° flush shear head | 100° flush shear | Nominal | Aluminum alloy | Alloy steel |
| CR3224 | CherryMAX, 100° flush shear head, CRES stem | 100° flush shear | Nominal | Aluminum alloy | CRES |
| CR3524 | CherryMAX, 100° flush shear head, CRES stem, Monel | 100° flush shear | Nominal | Monel | CRES |
| CR3245 | CherryMAX, unisink head, oversize | Unisink | Oversize | Aluminum alloy | Alloy steel |
| **Other bulbed rivets with a locked stem (ASNA and NAS)** · 4 sheets | | | | | |
| ASNA0078 | CherryMAX type, protruding | Protruding | Nominal + oversize | By code letter, A to F (see the sheet) | |
| NAS1919 | Bulbed blind rivet, protruding head, Monel | Protruding | Nominal | Monel | |
| ASNA0077 | CherryMAX type, 100° countersunk | 100° flush | Nominal + oversize | By code letter, A to F (see the sheet) | |
| NAS1921 | Bulbed blind rivet, 100° flush head, Monel | 100° flush | Nominal | Monel | |
| **CherryLOCK and wire-draw rivets** · 12 sheets | | | | | |
| CR2163 | CherryLOCK wiredraw, universal head | Universal | Nominal | 2017 aluminum | 7075 aluminum |
| CR2239 | CherryLOCK bulbed, universal head | Universal | Nominal | 5056 aluminum | Inconel 600 + Monel lock ring |
| CR2249 | CherryLOCK bulbed, universal head | Universal | Nominal | Aluminum | Alloy steel |
| CR2662 | Cherry wire draw, countersunk head, Monel lock ring | Countersunk | Nominal | CRES | — + Monel lock ring |
| CR2162 | CherryLOCK wiredraw, 100° flush head | 100° flush | Nominal | 2017 aluminum | 7075 aluminum |
| CR2238 | CherryLOCK bulbed, 100° flush head | 100° flush | Nominal | 5056 aluminum | Inconel 600 + Monel lock ring |
| CR2248 | CherryLOCK bulbed, 100° countersunk head | 100° flush | Nominal | Aluminum | Alloy steel |
| CR2245 | CherryLOCK bulbed, unisink head | Unisink | Nominal | Aluminum | 8740 steel |
| ASNA0061 | CherryLOCK family, partner NAS1399 | — | — | — | |
| ASNA0062 | CherryLOCK family, partner NAS1398 | — | — | — | |
| ASNA0063 | CherryLOCK family, partner NAS1739 | — | — | — | |
| ASNA0064 | CherryLOCK family, partner NAS1738 | — | — | — | |
| **Pull-stem, self-plugging and pull-through rivets** · 7 sheets | | | | | |
| CR9117 | Cherry pull-through, universal head, serrated stem | Universal | Nominal | Aluminum | Steel |
| CR9163 | Universal head, serrated stem, aluminium | Universal | Nominal | 2117 aluminium | 2017 aluminium |
| MS20600 | Blind rivet, protruding head, structural pull stem, Type II | Protruding | — | 2117 or 5056 aluminum alloy or Monel, class A | 2017 or 5056 aluminum alloy or Monel, class A |
| CR9162 | Cherry self-plugging, 100° flush head, serrated stem | 100° flush | Nominal | Aluminum | Aluminum |
| MS20601 | Blind rivet, 100° flush head, structural pull stem, Type II | 100° flush | — | 2117 or 5056 aluminum alloy or Monel, class A | 2017 or 5056 aluminum alloy or Monel, class A |
| CR1122 | Cherry self-plugging, A286 stem | — | Nominal | Aluminum | A286 |
| CR9179 | Cherry self-plugging, 2117 stem | — | Nominal | 2017 aluminum | 2117 aluminum |
| **Commercial and non-structural rivets (POP, Marson, Cherry Q, MS)** · 5 sheets | | | | | |
| MS20604 | Blind rivet, nonstructural, universal head, Class 1 | Universal | — | Carbon steel C1008, C1012 or C1018, A286 CRES, 5056 or 2117 aluminum alloy or Monel, class A | 305 CRES for R and H; carbon steel for the other codes |
| AB-MARSON | Marson commercial, domed head | Domed | Nominal | Aluminum | Aluminum or steel, by part number |
| AD-POP | POP commercial, domed head | Domed | Nominal | Aluminum | Aluminum or steel, by part number |



Educational reference only, not approved data. Always consult the applicable SRM, AMM, or AC 43.13-1B and your certifying authority.

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| Part number | Description | Head | Size | Sleeve / stem | |
|---|---|---|---|---|---|
| MS20605 | Blind rivet, nonstructural, 100° flush head, Class 2 | 100° flush | — | Carbon steel 1008, 1012, 1018, A286 CRES, 5056 or 2117 aluminum alloy or Monel, class A | Carbon steel or 305 CRES |
| AAPQ | Cherry Q, aluminum | — | Nominal | 5056 aluminum | 7178 aluminum |
| **High-strength rivets** · 2 sheets | | | | | |
| MS90354 | Blind rivet, protruding head, 112 ksi alloy steel | Protruding | Nominal | High strength alloy steel, 112 ksi | |
| MS90353 | Blind rivet, 100° flush head, 112 ksi alloy steel | 100° flush | Nominal | High strength alloy steel, 112 ksi | |
| **Nutplate rivets** · 2 sheets | | | | | |
| CCR274 | Cherry nutplate rivet, universal head | Universal | Nominal | Carbon steel (SS) or CRES (CS) | |
| CCR264 | Cherry nutplate rivet, 100° countersunk head (MS20426) | 100° flush | Nominal | Carbon steel (SS) or CRES (CS) | |
| **Maxibolt blind bolts** · 5 sheets | | | | | |
| ASNA0027 | Maxibolt type, steel, protruding cylindrical head | Protruding cylindrical | Nominal | Alloy steel (A) or A-286 stainless (B) | Alloy steel; stainless with mark C |
| ASNA0342 | Maxibolt type, titanium, protruding cylindrical head | Protruding cylindrical | Nominal | Titanium | |
| ASNA0363 | Maxibolt type, titanium, protruding large round head | Protruding, large round | Nominal | Titanium | |
| ASNA0026 | Maxibolt type, steel, 100° countersunk | 100° flush | Nominal | Alloy steel (A) or A-286 stainless (B) | Alloy steel; stainless with mark C |
| ASNA0341 | Maxibolt type, titanium, 100° countersunk | 100° flush | Nominal | Titanium | |
| **Composi-Lok blind bolts** · 2 sheets | | | | | |
| ASNA0013 | Composi-Lok type, protruding | Protruding | Nominal | Titanium | |
| ASNA0012 | Composi-Lok type, 100° countersunk | 100° flush | Nominal | Titanium | |
| **Radial-Lok blind bolts** · 2 sheets | | | | | |
| ASNA303 | Radial-Lok type, protruding | Protruding | Nominal | Titanium | |
| ASNA302 | Radial-Lok type, 100° countersunk | 100° flush | Nominal | Titanium | |
| **Visu-Lok blind bolts** · 6 sheets | | | | | |
| PLT210 | Protruding hex head, self-locking | Hexagon, protruding | Nominal | CRES 303 or 304 | Alloy steel 4130, 4140 or 8740 (nut and screw) |
| PLT211 | Protruding hex head, 1/64 oversize | Hexagon, protruding | Oversize (1/64 in) | CRES 303 or 304 | Alloy steel 4130, 4140 or 8740 (nut and screw) |
| ASNA0082 | Hexagon head, Jo-Lok | Hexagon | — | — | |
| ASNA0081 | Countersunk 100°, Jo-Lok | 100° flush | — | — | |
| PLT110 | 100° flush head, self-locking | 100° flush | Nominal | CRES 303 or 304 | Alloy steel 4130, 4140 or 8740 (nut and screw) |
| PLT111 | 100° flush head, 1/64 oversize | 100° flush | Oversize (1/64 in) | CRES 303 or 304 | Alloy steel 4130, 4140 or 8740 (nut and screw) |
| **Jo-Bolt blind bolts** · 4 sheets | | | | | |
| NAS1669 | Jo-Bolt, protruding head | Protruding | Nominal | — | |
| NAS1751 | Jo-Bolt, protruding head | Protruding | Nominal | — | |
| NAS1670 | Jo-Bolt, flush head | Flush | Nominal | — | |
| NAS1750 | Jo-Bolt, flush head | Flush | Nominal | — | |
| **Rivnuts** · 4 sheets | | | | | |
| NAS1329 | Rivnut, flat head, keyed / unkeyed | Flat | — | — | |
| MS27130 | Rivnut, flat and countersunk head | Flat or countersunk | — | — | |
| NAS1330 | Rivnut, countersunk head, keyed / unkeyed | Countersunk | — | — | |
| 9505 | Splined-body nutsert | — | — | Carbon steel, cadmium plate | |
| **Pull-type lockbolts and collars** · 10 sheets | | | | | |
| NAS1446 | Swage-locking pin, protruding head, shear, pull type, .190 | Protruding, shear | — | Steel, standard | |
| NAS1448 | Swage-locking pin, protruding head, shear, pull type, .250 | Protruding, shear | — | Steel, standard | |
| NAS1465 | Swage-locking pin, tension, pull-type (standard and protruding head), .164 | Standard or protruding | — | Steel, standard | |
| NAS1466 | Swage-locking pin, tension, pull-type (standard and protruding head), .190 | Standard or protruding | — | Steel, standard | |
| NAS1468 | Swage-locking pin, tension, pull-type (standard and protruding head), .250 | Standard or protruding | — | Steel, standard | |
| NAS1436 | Swage-locking pin, 100° shear head, pull type, .190 | 100° shear | — | Steel, standard | |
| NAS1438 | Swage-locking pin, 100° shear head, pull type, .250 | 100° shear | — | Steel, standard | |
| NAS1456 | Swage-locking pin, 100° head, tension, pull type, .190 | 100° tension | — | Steel, standard | |
| NAS1458 | Swage-locking pin, 100° head, tension, pull type, .250 | 100° tension | — | Steel, standard | |
| NAS1080 | Swage-locking collar, shear and tension | — | — | Aluminum or carbon steel, by code letter | |
| **Other blind fasteners** · 2 sheets | | | | | |
| ASNA0079 | Paired with NAS1721 | — | — | — | |
| ASNA0080 | Paired with NAS1720 | — | — | — | |

**Nominal or oversize:** a gold-coloured driving anvil identifies nominal diameter and a silver-coloured one identifies oversize diameter (Cherry CA-1011, p. 6). The Size column comes from each data sheet, not from the colour.

SCAN · OPEN THIS GUIDE
theaviationpoint.com/sheet-metal/blind-fasteners-part-numbers/

SOURCES · Cherry Aerospace catalog CA-1011



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