|  | anso <br> 1 Weidner S ima, CA 9133 | $N P$ <br> O. <br> treet <br> 331 |  |  | e pages $D$ installatio |  |  |  |  | side CA vw.ha | $\begin{aligned} & \text { one: } \\ & \text { FAX: } \\ & \text { : 1-8 } \\ & \text { nsor } \end{aligned}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Masticerc |  |  |  |  |  |  |  |  | 5 | 5 |  |  | /ISA |
| Q Rivets offer greater shear strength and 100\% mandrel retention! The mandrel is designed to effect a weather-tight seal when installed properly and provide good vibration resistance. <br> *NOTE: Mandrels break flush with the rivet head when in the Mid-Grip Range (except -04-01's which break at .062) |  |  |  | LARGE FLANGE | COUNTERS | $\begin{aligned} & \hline \text { UNK } \\ & 120^{\circ} \\ & \mathrm{B}-1 \\ & \mathrm{~B} \\ & \hline \mathrm{C} \\ & \mathrm{C} \\ & \hline \end{aligned}$ |  |  |  |  | $\begin{aligned} & +\mathrm{H}-1 \\ & \hline \end{aligned}$ | NORK H $\stackrel{\dagger}{\mathrm{G}}-\mathrm{GR}$ | LE DIA. <br> RANGE |
| RIVET MATERIAL MANDREL MATERIAL | HEAD STYLE | PART NUMBER | Avdel ${ }^{\circledR}$ | $\qquad$ | WORK HOLE \& DRILL SIZE | GRIP RANGE (SEE NOTE ABOVE) |  | VE) | BODY LENGTH (MAX.) |  | HEAD HEIGHT (MAX.) | TYPICAL ULTIMATE <br> STRENGTHS IN LBS. <br> (SEE NOTE) <br> SHAR |  |
| ALUMINUM RIVET <br> PLAIN FINISH | PROTRUDING HEAD | QASD401 QASD402 QASD403 QASD404 QASD05 QASD406 QASD407 QASD408 | BSPQ-04-01 BSPQ-04-02 BSPQ-04-03 BSPQ-04-04 BSPQ-04-05 BSPQ-04-06 BSPQ-04-07 BSPQ-04-08 | $\begin{aligned} & .125 \\ & 1 / 8 \end{aligned}$ | $.129 / .133$ $\# 30$ | .063 <br> .094 <br> .126 <br> .188 <br> .251 <br> .313 <br> .376 | .093 .125 .187 .250 .312 .375 .437 | $\begin{aligned} & \hline .062 \\ & .125 \\ & .187 \\ & .250 \\ & .312 \\ & .375 \\ & .437 \\ & .500 \\ & \hline \end{aligned}$ | $\begin{aligned} & .212 \\ & .275 \\ & .37 \\ & .400 \\ & .462 \\ & .535 \\ & .602 \\ & .670 \end{aligned}$ | .250 |  | 350 | 边 |
|  |  |  | BSPQ-05-02 BSPQ-05-04 BSPQ-05-06 BSPQ-05-08 | $\begin{aligned} & .156 \\ & 5 / 32 \end{aligned}$ | $.160 / .164$ $\# 20$ | $\begin{aligned} & .062 \\ & .126 \\ & .251 \\ & .376 \\ & \hline \end{aligned}$ | $\begin{aligned} & .093 \\ & .187 \\ & .312 \\ & .437 \\ & \hline \end{aligned}$ | .125 <br> .250 <br> .375 <br> .500 | $\begin{aligned} & .300 \\ & .425 \\ & .550 \\ & .675 \\ & \hline \end{aligned}$ | . 312 | . 050 | 525 | 450 |
|  |  | QASD602 QASD604 QASD606 QASD608 QASD610 QASD612 QASD614 | BSPQ-06-02 <br> BSPQ-06-04 <br> BSPQ-06-06 <br> BSPQ-06-08 <br> BSPQ-06-10 <br> BSPQ-06-12 <br> BSPQ-06-14 | $\begin{aligned} & .187 \\ & 3 / 16 \end{aligned}$ | $\underset{\# 11}{.192 / .196}$ | .062 .126 .251 .376 .501 .626 .751 | .093 .187 .312 .437 .562 .687 .812 | .125 <br> .250 <br> .305 <br> .500 <br> .625 <br> .550 <br> .875 | $\begin{aligned} & .325 \\ & .450 \\ & .575 \\ & .700 \\ & .850 \\ & .980 \\ & 1.110 \end{aligned}$ | . 375 | . 060 | 750 | 650 |
|  |  | QASD802 QASD804 QASD806 QASD808 QASD810 QASD812 QASD814 QASD816 | BSPQ-08-02 BSPQ-08-04 BSPQ-08-06 BSPQ-08-08 BSPQ-08-10 BSPQ-08-12 BSPQ-08-14 BSPQ-08-16 | $\begin{aligned} & .250 \\ & 1 / 4 \end{aligned}$ | $\underset{\mathrm{F}}{.2571 .261}$ | .062 .126 .251 .376 .501 .626 .751 .876 | $\begin{aligned} & .093 \\ & .187 \\ & .312 \\ & .437 \\ & .562 \\ & .687 \\ & .812 \\ & .937 \end{aligned}$ | $\begin{aligned} & \hline .125 \\ & .250 \\ & .375 \\ & .500 \\ & .625 \\ & .750 \\ & .875 \\ & 1.000 \end{aligned}$ | $\begin{aligned} & .375 \\ & .500 \\ & .625 \\ & .750 \\ & .900 \\ & 1.030 \\ & 1.160 \\ & 1.290 \end{aligned}$ | . 500 | . 080 | 1250 | 1050 |
|  | LARGE FLANGE | QASL402 QASL404 QASL406 | $\begin{aligned} & \hline \text { BSLQ-04-02 } \\ & \text { BSLQ-04-04 } \\ & \text { BSLQ-04-06 } \end{aligned}$ | $\begin{aligned} & .125 \\ & 1 / 8 \end{aligned}$ | $\begin{gathered} .129 / .133 \\ \# 30 \end{gathered}$ | $\begin{aligned} & \hline .126 \\ & .251 \\ & .376 \\ & \hline \end{aligned}$ | $\begin{aligned} & .187 \\ & .312 \\ & .437 \\ & \hline \end{aligned}$ | $\begin{aligned} & .250 \\ & .375 \\ & .500 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline .275 \\ & .400 \\ & .535 \\ & \hline \end{aligned}$ | . 375 | . 065 | 350 | 325 |
|  |  | QASL504 QASL506 QASL508 | $\begin{aligned} & \text { BSLQ-05-04 } \\ & \text { BSLQ-05-06 } \\ & \text { BSLQ-05-08 } \end{aligned}$ | $\begin{array}{r} .156 \\ 5 / 32 \end{array}$ | $\begin{gathered} .160 / .164 \\ \# 20 \end{gathered}$ | $\begin{aligned} & \hline .126 \\ & .251 \\ & .376 \end{aligned}$ | $\begin{aligned} & .187 \\ & .312 \\ & .437 \\ & \hline \end{aligned}$ | $\begin{aligned} & .250 \\ & .375 \\ & .500 \end{aligned}$ | $\begin{aligned} & .425 \\ & .550 \\ & .675 \end{aligned}$ | . 469 | . 075 | 525 | 450 |
|  |  | QASL606 QASL608 QASL610 QASL612 QASL614 | $\begin{aligned} & \text { BSLQ-06-06 } \\ & \text { BSLQ-06-08 } \\ & \text { BSLQ-06-10 } \\ & \text { BSLQ-06-12 } \\ & \text { BSLQ-06-14 } \end{aligned}$ | $\begin{aligned} & .187 \\ & 3 / 16 \end{aligned}$ | $\begin{gathered} .192 / .196 \\ \# 11 \end{gathered}$ | .251 .376 .501 .626 .751 | .312 .437 .562 .687 .812 | .375 .500 .625 .750 .875 | $\begin{aligned} & .575 \\ & .700 \\ & .850 \\ & .980 \\ & 1.110 \end{aligned}$ | . 625 | . 092 | 750 | 650 |
|  |  | QASL804 QASL806 QASL88 QASL810 QASL812 QASL814 | BSLQ-08-04 BSLQ-08-06 BSLQ-08-08 BSLQ-08-10 BSLQ-08-12 BSLQ-08-14 BSLQ-08-16 | $\begin{aligned} & .250 \\ & 1 / 4 \end{aligned}$ | $\underset{\mathrm{F}}{.257 / 261}$ | .126 <br> .251 <br> .376 <br> .501 <br> .626 <br> .751 <br> .876 | .187 .312 .37 .562 .687 .812 .937 | $\begin{gathered} \hline .250 \\ .375 \\ .500 \\ .625 \\ .750 \\ .875 \\ 1.000 \\ \hline \end{gathered}$ | .500 .625 .750 .900 1.030 1.160 1.290 | . 750 | . 107 | 1250 | 1050 |
|  | $\begin{array}{\|c\|} 120^{\circ} \\ \text { COUNTERSUNK } \end{array}$ | QASK403 QASK404 QASK405 QASK406 QASK407 QASK408 | BSCQ-04-03 BSCQ-04-04 BSCQ-04-05 BSCQ-04-06 BSCQ-04-07 BSCQ-04-08 | $\begin{aligned} & .125 \\ & 1 / 8 \end{aligned}$ | $\begin{gathered} .129 / .133 \\ \# 30 \end{gathered}$ | .094 .126 .188 .251 .313 .376 | $\begin{aligned} & .125 \\ & .187 \\ & .250 \\ & .312 \\ & .375 \\ & .437 \end{aligned}$ | .187 .250 .312 .375 .437 .500 | .337 .400 .462 .535 .602 .670 | . 226 | . 032 | 350 | 325 |
| STEEL MANDREL <br> OTHER COLORS AND FINISHES AVAILABLE |  | QASK504 QASK505 QASK508 | $\begin{aligned} & \text { BSCQ-05-04 } \\ & \text { BSCQ-05-05 } \\ & \text { BSCQ-05-08 } \end{aligned}$ | $\begin{aligned} & .156 \\ & 5 / 32 \end{aligned}$ | $\begin{gathered} .160 / .164 \\ \# 20 \end{gathered}$ | $\begin{aligned} & \hline .126 \\ & .251 \\ & .376 \\ & \hline \end{aligned}$ | $\begin{array}{r} .187 \\ .312 \\ .437 \\ \hline \end{array}$ | $\begin{aligned} & .250 \\ & .375 \\ & .500 \\ & \hline \end{aligned}$ | $\begin{array}{r} .425 \\ .550 \\ .670 \\ \hline \end{array}$ | . 281 | . 040 | 525 | 450 |
|  |  | QASK604 QASK606 QASK608 QASK610 QASK612 QASK614 | BSCQ-06-04 BSCQ-06-06 BSCQ-06-08 BSCQ-06-10 BSCQ-06-12 BSCQ-06-14 | $\begin{aligned} & .187 \\ & 3 / 16 \end{aligned}$ | $\underset{\# 11}{.192 / .196}$ | $\begin{aligned} & .126 \\ & .251 \\ & .376 \\ & .501 \\ & .626 \\ & .751 \end{aligned}$ | $\begin{aligned} & .187 \\ & .312 \\ & .437 \\ & .562 \\ & .887 \\ & .812 \end{aligned}$ | $\begin{aligned} & .250 \\ & .375 \\ & .500 \\ & .625 \\ & .750 \\ & .875 \end{aligned}$ | $\begin{aligned} & .450 \\ & .575 \\ & .700 \\ & .850 \\ & .980 \\ & 1.110 \end{aligned}$ | . 344 | . 050 | 750 | 650 |
|  |  | QASK804 QASK806 QASK808 QASK810 QASK812 QASK814 QASK816 | $\begin{aligned} & \text { BSCQ-08-04 } \\ & \text { BSCQ-08-06 } \\ & \text { BSCQ-08-08 } \\ & \text { BSCQ-08-10 } \\ & \text { BSCQ-08-12 } \\ & \text { BSCQ-08-14 } \\ & \text { BSCQ-08-16 } \\ & \hline \end{aligned}$ | $\begin{aligned} & .250 \\ & 1 / 4 \end{aligned}$ | $\underset{\mathrm{F}}{.2571 .261}$ | .126 .251 .376 .501 .626 .751 .876 | $\begin{aligned} & .187 \\ & .312 \\ & .437 \\ & .562 \\ & .687 \\ & .812 \\ & . .937 \\ & \hline \end{aligned}$ | $\begin{aligned} & .250 \\ & .375 \\ & .500 \\ & .625 \\ & .750 \\ & .875 \\ & 1.000 \end{aligned}$ | .500 .625 .750 .900 1.030 1.160 1.290 | . 468 | . 071 | 1250 | 1050 |

