

# Suspension Clamps — *Aluminum*

B  
2

| Product Data                  |                          |                    |                            |                                                       |                    |                              |                              |                              |                          |                                          |
|-------------------------------|--------------------------|--------------------|----------------------------|-------------------------------------------------------|--------------------|------------------------------|------------------------------|------------------------------|--------------------------|------------------------------------------|
| Catalog Number                | Fitting                  |                    | Clamping Range Inches (mm) | Ultimate Body Strength lb (kN)                        | Max Take-Off Angle | Dimensions Inches (mm)       |                              |                              |                          | Approx Wt Each lb (kg)                   |
|                               | Type                     | Cat No             |                            |                                                       |                    | L                            | W                            | H                            | J                        |                                          |
| HAS62N<br>HAS62S<br>HAS62C    | None<br>Socket<br>Clevis | —<br>SA04<br>CA04  | .20-.62<br>(5.08-15.75)    | 17,000<br>(76)                                        | 30°                | 6 $\frac{3}{4}$<br>(171.45)  | 2 $\frac{9}{32}$<br>(23.02)  | 2 $\frac{9}{32}$<br>(57.94)  | $\frac{1}{2}$<br>(12.70) | 1.9 (.86)<br>3.2 (1.45)<br>3.5 (1.59)    |
| HAS85N<br>HAS85S<br>HAS85C    | None<br>Socket<br>Clevis | —<br>SA06<br>CA06  | .40-.85<br>(10.16-21.59)   | 18,000<br>(80)                                        | 30°                | 7 $\frac{1}{2}$<br>(190.50)  | 1 $\frac{5}{16}$<br>(23.81)  | 2 $\frac{9}{16}$<br>(65.09)  | $\frac{1}{2}$<br>(12.70) | 2.1 (.95)<br>3.4 (1.54)<br>3.8 (1.72)    |
| HAS104N<br>HAS104S<br>HAS104C | None<br>Socket<br>Clevis | —<br>SA10<br>CA101 | .50-1.04<br>(12.70-26.42)  | 25,000<br>(111)                                       | 30°                | 8 $\frac{1}{8}$<br>(206.38)  | 1 $\frac{9}{32}$<br>(29.37)  | 2 $\frac{3}{4}$<br>(69.85)   | $\frac{1}{2}$<br>(12.70) | 2.5 (1.13)<br>3.9 (1.77)<br>4.2 (1.91)   |
| HAS118N<br>HAS118S<br>HAS118C | None<br>Socket<br>Clevis | —<br>SA10<br>CA101 | .70-1.18<br>(17.78-29.97)  | 25,000<br>(111)                                       | 22.5°              | 8<br>(203.20)                | 1 $\frac{11}{32}$<br>(34.13) | 2 $\frac{3}{4}$<br>(69.85)   | $\frac{1}{2}$<br>(12.70) | 2.8 (1.27)<br>4.2 (1.91)<br>4.5 (2.04)   |
| HAS139N<br>HAS139S<br>HAS139C | None<br>Socket<br>Clevis | —<br>SA13<br>CA13  | .90-1.39<br>(22.86-35.31)  | 25,000<br>(111)                                       | 22.5°              | 8 $\frac{7}{8}$<br>(225.43)  | 1 $\frac{17}{32}$<br>(38.89) | 3<br>(76.20)                 | $\frac{1}{2}$<br>(12.70) | 3.2 (1.45)<br>4.9 (2.22)<br>5.0 (2.27)   |
| HAS147N<br>HAS147S<br>HAS147C | None<br>Socket<br>Clevis | —<br>SA13<br>CA13  | 1.00-1.47<br>(25.40-37.34) | 25,000<br>(111)                                       | 22.5°              | 9 $\frac{3}{16}$<br>(233.36) | 1 $\frac{9}{16}$<br>(39.69)  | 3 $\frac{1}{8}$<br>(79.38)   | $\frac{1}{2}$<br>(12.70) | 3.5 (1.59)<br>5.2 (2.36)<br>5.3 (2.40)   |
| HAS162N<br>HAS162S<br>HAS162C | None<br>Socket<br>Clevis | —<br>SA13<br>CA13  | 1.10-1.62<br>(27.94-41.15) | 25,000<br>(111)                                       | 22.5°              | 9 $\frac{1}{2}$<br>(241.30)  | 1 $\frac{13}{16}$<br>(46.04) | 3 $\frac{5}{8}$<br>(78.18)   | $\frac{1}{2}$<br>(12.70) | 3.8 (1.72)<br>5.5 (2.49)<br>5.6 (2.54)   |
| HAS182N<br>HAS182S<br>HAS182C | None<br>Socket<br>Clevis | —<br>SA16<br>CA16  | 1.25-1.82<br>(31.75-46.23) | 25,000<br>(111)                                       | 25°                | 10<br>(254)                  | 1 $\frac{15}{16}$<br>(49.21) | 3 $\frac{3}{8}$<br>(85.73)   | $\frac{1}{2}$<br>(12.70) | 5.0 (2.27)<br>6.8 (3.08)<br>7.0 (3.18)   |
| HAS204N<br>HAS204S<br>HAS204C | None<br>Socket<br>Clevis | —<br>SA16<br>CA16  | 1.40-2.04<br>(35.56-51.82) | 25,000<br>(111)                                       | 20.5°              | 10 $\frac{1}{2}$<br>(266.70) | 2 $\frac{11}{64}$<br>(55.17) | 3 $\frac{11}{32}$<br>(89.69) | $\frac{1}{2}$<br>(12.70) | 4.9 (2.22)<br>6.7 (3.04)<br>6.9 (3.13)   |
| HAS213N<br>HAS213S<br>HAS213C | None<br>Socket<br>Clevis | —<br>SA16<br>CA16  | 1.40-2.13<br>(35.56-54.10) | 25,000<br>(111)                                       | 22°                | 10 $\frac{1}{2}$<br>(266.70) | 2 $\frac{1}{4}$<br>(57.15)   | 3 $\frac{3}{8}$<br>(92.08)   | $\frac{5}{8}$<br>(15.88) | 6.0 (2.72)<br>7.8 (3.54)<br>8.0 (3.63)   |
| HAS252N<br>HAS252S<br>HAS252C | None<br>Socket<br>Clevis | SA22<br>CA22       | 2.00-2.52<br>(50.80-64.01) | 30,000<br>(133)<br>30,000<br>(133)<br>25,000<br>(111) | 17.5°              | 12<br>(304.80)               | 2 $\frac{11}{16}$<br>(68.26) | 4 $\frac{1}{4}$<br>(107.95)  | $\frac{5}{8}$<br>(15.88) | 9.0 (4.08)<br>10.8 (4.90)<br>11.3 (5.13) |

**NOTE:** Recommended torque on U-bolts:  $\frac{1}{2}$ " — 480 in-lb  $\frac{5}{8}$ " — 720 in-lb. Bolt and nut may be substituted for clevis pin by adding suffix "BNK" to catalog number.