



JUMBO HSS!

THE BIG DEAL IN STRUCTURAL STEEL

JUMBO SIZES FROM ATLAS TUBE

← WALL THICKNESS →
SQUARE 0.375" | 0.500" | 0.625" | 0.750" | 0.875"

| | | | | | |
|-----|---|---|---|---|---|
| 18" | ✓ | ✓ | ✓ | ✓ | ✓ |
| 20" | ✓ | ✓ | ✓ | ✓ | ✓ |
| 22" | | | | | ✓ |

Jumbo HSS — Readily Available in North America from Atlas Tube

Look to Atlas Tube for the largest offering of HSS in North America, including Jumbo HSS sizes! Jumbo HSS meet ASTM A500 and CSA G40 standards, and are available from Atlas Tube, North America's leading HSS provider.

Additional resources for HSS applications can be found at aisc.org and cisc-icca.ca

 **Atlas Tube**
A DIVISION OF ZEKELMAN INDUSTRIES



JUMBO HSS

JUMBO HSS SQUARE WEIGHTS AND DIMENSIONS

| SHAPE | DESIGN WALL THICKNESS in. | NOMINAL WEIGHT lbs./ft. | AREA in. ² | b/t | h/t | TORSION | | | | | | SURFACE AREA ft. ² /ft. |
|----------------------|------------------------------|----------------------------|--------------------------|------|------|-----------------------|-----------------------|----------|-----------------------|-----------------------|-----------------------|---------------------------------------|
| | | | | | | I in. ⁴ | S in. ³ | r in. | Z in. ³ | J in. ⁴ | C in. ³ | |
| HSS-10" x 10" x 3/4" | 0.750 | 89.50 | 26.3 | 10.3 | 10.3 | 364 | 72.8 | 3.72 | 89.4 | 610 | 127 | 3.12 |
| HSS-12" x 12" x 3/4" | 0.750 | 109.91 | 32.3 | 13.0 | 13.0 | 666 | 111 | 4.54 | 134 | 1100 | 188 | 3.79 |
| HSS-14" x 14" x 3/4" | 0.750 | 130.33 | 38.3 | 15.7 | 15.7 | 1100 | 157 | 5.36 | 188 | 1790 | 262 | 4.45 |
| HSS-14" x 14" x 7/8" | 0.875 | 149.61 | 44.0 | 13.0 | 13.0 | 1230 | 176 | 5.29 | 213 | 2030 | 299 | 4.42 |
| HSS-16" x 16" x 3/4" | 0.750 | 150.75 | 44.3 | 18.3 | 18.3 | 1690 | 211 | 6.18 | 250 | 2720 | 347 | 5.12 |
| HSS-16" x 16" x 7/8" | 0.875 | 173.43 | 51.0 | 15.3 | 15.3 | 1900 | 238 | 6.10 | 285 | 3100 | 398 | 5.08 |
| HSS-18" x 18" x 3/8" | 0.375 | 88.73 | 26.1 | 45.0 | 45.0 | 1340 | 149 | 7.17 | 172 | 2080 | 233 | 5.89 |
| HSS-18" x 18" x 1/2" | 0.500 | 116.91 | 34.4 | 33.0 | 33.0 | 1740 | 193 | 7.11 | 224 | 2720 | 306 | 5.86 |
| HSS-18" x 18" x 5/8" | 0.625 | 144.39 | 42.4 | 25.8 | 25.8 | 2110 | 234 | 7.05 | 274 | 3340 | 376 | 5.82 |
| HSS-18" x 18" x 3/4" | 0.750 | 171.16 | 50.3 | 21.0 | 21.0 | 2460 | 273 | 6.99 | 322 | 3930 | 445 | 5.79 |
| HSS-18" x 18" x 7/8" | 0.875 | 197.24 | 58.0 | 17.6 | 17.6 | 2780 | 309 | 6.92 | 368 | 4500 | 511 | 5.75 |
| HSS-20" x 20" x 3/8" | 0.375 | 98.94 | 29.1 | 50.3 | 50.3 | 1850 | 185 | 7.97 | 213 | 2870 | 289 | 6.56 |
| HSS-20" x 20" x 1/2" | 0.500 | 130.52 | 38.4 | 37.0 | 37.0 | 2410 | 241 | 7.92 | 279 | 3760 | 380 | 6.52 |
| HSS-20" x 20" x 5/8" | 0.625 | 161.40 | 47.4 | 29.0 | 29.0 | 2940 | 294 | 7.88 | 342 | 4620 | 468 | 6.49 |
| HSS-20" x 20" x 3/4" | 0.750 | 191.58 | 56.3 | 23.7 | 23.7 | 3430 | 343 | 7.81 | 403 | 5460 | 554 | 6.45 |
| HSS-20" x 20" x 7/8" | 0.875 | 221.06 | 65.0 | 19.9 | 19.9 | 3900 | 390 | 7.75 | 461 | 6260 | 638 | 6.42 |
| HSS-22" x 22" x 3/4" | 0.750 | 212.00 | 62.3 | 26.3 | 26.3 | 4630 | 421 | 8.62 | 492 | 7330 | 676 | 7.12 |

JUMBO HSS RECTANGLE WEIGHTS AND DIMENSIONS

| SHAPE | DESIGN WALL THICKNESS in. | NOMINAL WEIGHT lbs./ft. | AREA in. ² | b/t | h/t | AXIS X-X | | | | AXIS Y-Y | | | | TORSION | | SURFACE AREA ft. ² /ft. |
|----------------------|------------------------------|----------------------------|--------------------------|------|------|-----------------------|-----------------------|----------|-----------------------|-----------------------|-----------------------|----------|-----------------------|-----------------------|-----------------------|---------------------------------------|
| | | | | | | I in. ⁴ | S in. ³ | r in. | Z in. ³ | I in. ⁴ | S in. ³ | r in. | Z in. ³ | J in. ⁴ | C in. ³ | |
| HSS-16" x 12" x 3/4" | 0.750 | 130.33 | 38.3 | 13.0 | 18.3 | 1340 | 168 | 5.91 | 205 | 856 | 143 | 4.73 | 168 | 1710 | 256 | 4.45 |
| HSS-20" x 12" x 3/4" | 0.750 | 150.75 | 44.3 | 13.0 | 23.7 | 2320 | 232 | 7.24 | 287 | 1046 | 174 | 4.86 | 202 | 2360 | 323 | 5.12 |
| HSS-24" x 12" x 1/2" | 0.500 | 116.91 | 34.4 | 21.0 | 45.0 | 2580 | 215 | 8.66 | 266 | 883 | 147 | 5.07 | 164 | 2120 | 270 | 5.86 |
| HSS-24" x 12" x 5/8" | 0.625 | 144.39 | 42.4 | 16.2 | 35.4 | 3130 | 261 | 8.59 | 325 | 1070 | 178 | 5.02 | 201 | 2590 | 331 | 5.82 |
| HSS-24" x 12" x 3/4" | 0.750 | 171.16 | 50.3 | 13.0 | 29.0 | 3650 | 304 | 8.52 | 382 | 1240 | 207 | 4.97 | 235 | 3030 | 391 | 5.79 |

For design aids and help with upcoming projects, call **800.733.5683**

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