

Square and rectangular hollow structural sections to ASTM A500 Gr. B / Gr. C, plus light-gauge and mechanical tubing. Special sizes on request.

Square HSS, ASTM A500 Gr. B / Gr. C					
Wall (in)	Wall (mm)	kg/m	kg per 12.20 m piece	Pieces per bundle	kg per bundle
HSS 4" × 4" (101.6 mm)					
3/16" (0.188)	4.78	14.019	171	16	2,736
1/4" (0.250)	6.35	18.170	222	16	3,552
5/16" (0.312)	7.92	22.069	269	16	4,304
3/8" (0.375)	9.53	25.701	314	16	5,024
HSS 5" × 5" (127 mm)					
3/16" (0.188)	4.78	17.813	217	9	1,953
1/4" (0.250)	6.35	23.245	284	9	2,556
5/16" (0.312)	7.92	28.394	346	9	3,114
3/8" (0.375)	9.53	33.290	406	9	3,654
HSS 6" × 6" (152.4 mm)					
3/16" (0.188)	4.78	21.623	264	9	2,376
1/4" (0.250)	6.35	28.305	345	9	3,105
5/16" (0.312)	7.92	34.734	424	9	3,816
3/8" (0.375)	9.53	40.895	499	9	4,491
1/2" (0.500)	12.70	52.44	640	9	5,760
HSS 8" × 8" (203.2 mm)					
3/16" (0.188)	4.78	29.213	355	per piece	—
1/4" (0.250)	6.35	38.424	469	per piece	—
5/16" (0.312)	7.92	47.383	578	per piece	—
3/8" (0.375)	9.53	56.089	684	per piece	—
1/2" (0.500)	12.70	72.697	887	per piece	—
5/8" (0.625)	15.88	88.27	1,077	per piece	—
HSS 10" × 10" (254 mm)					
3/16" (0.188)	4.78	36.802	449	per piece	—
1/4" (0.250)	6.35	48.559	592	per piece	—
5/16" (0.312)	7.92	60.047	733	per piece	—
3/8" (0.375)	9.53	71.283	870	per piece	—
1/2" (0.500)	12.70	92.951	1,134	per piece	—
5/8" (0.625)	15.88	113.58	1,386	per piece	—
HSS 12" × 12" (304.8 mm)					
1/4" (0.250)	6.35	58.678	716	per piece	—
5/16" (0.312)	7.92	72.712	887	per piece	—
3/8" (0.375)	9.53	86.462	1,055	per piece	—
1/2" (0.500)	12.70	113.205	1,381	per piece	—

Wall (in)	Wall (mm)	kg/m	kg per 12.20 m piece	Pieces per bundle	kg per bundle
5/8" (0.625)	15.88	138.905	1,695	per piece	—
HSS 14" × 14" (355.6 mm)					
5/16" (0.312)	7.92	85.361	1,041	per piece	—
3/8" (0.375)	9.53	101.656	1,240	per piece	—
1/2" (0.500)	12.70	133.459	1,628	per piece	—
5/8" (0.625)	15.88	164.234	2,004	per piece	—
HSS 16" × 16" (406.4 mm)					
5/16" (0.312)	7.92	98.025	1,196	per piece	—
3/8" (0.375)	9.53	116.851	1,426	per piece	—
1/2" (0.500)	12.70	153.727	1,875	per piece	—
5/8" (0.625)	15.88	189.547	2,312	per piece	—

Rectangular HSS, ASTM A500 Gr. B / Gr. C					
Wall (in)	Wall (mm)	kg/m	kg per 12.20 m piece	Pieces per bundle	kg per bundle
HSS 6" × 4" (152.4 × 101.6 mm)					
3/16" (0.188)	4.78	17.813	217	9	1,953
1/4" (0.250)	6.35	23.245	284	9	2,556
5/16" (0.312)	7.92	28.394	346	9	3,114
3/8" (0.375)	9.53	33.290	406	9	3,654
HSS 8" × 4" (203.2 × 101.6 mm)					
3/16" (0.188)	4.78	21.623	264	6	1,584
1/4" (0.250)	6.35	28.310	345	6	2,070
5/16" (0.312)	7.92	34.734	424	6	2,544
3/8" (0.375)	9.53	40.895	499	6	2,994
HSS 10" × 6" (254 × 152.4 mm)					
3/16" (0.188)	4.78	29.213	356	4	1,424
1/4" (0.250)	6.35	38.424	469	4	1,876
5/16" (0.312)	7.92	47.383	578	4	2,312
3/8" (0.375)	9.53	56.089	684	4	2,736
1/2" (0.500)	12.70	72.697	887	4	3,548
HSS 12" × 8" (304.8 × 203.2 mm)					
1/4" (0.250)	6.35	48.559	592	per piece	—
5/16" (0.312)	7.92	60.047	732	per piece	—
3/8" (0.375)	9.53	71.283	870	per piece	—
1/2" (0.500)	12.70	92.951	1,134	per piece	—

Weights as published for 12.20 m pieces. Larger sizes are sold by the piece ("per piece"). Special sizes on request.

Light-gauge square tubing	
Size (in)	Wall thicknesses listed (in)
¾ × ¾	0.060*, 0.075
1 × 1	0.060, 0.075, 0.105, 0.120, 0.135
1¼ × 1¼	0.060, 0.075, 0.105, 0.120*

Size (in)	Wall thicknesses listed (in)
1½ × 1½	0.060, 0.075, 0.105, 0.120, 0.135
2 × 2	0.060, 0.075, 0.105, 0.120, 0.135, 0.150, 0.188
2½ × 2½	0.075, 0.120, 0.135, 0.188, 0.250*
3 × 3	0.075, 0.120, 0.135, 0.150, 0.188, 0.250
3½ × 3½	0.075, 0.120, 0.188, 0.250
4 × 4	0.075, 0.120, 0.135, 0.150, 0.188, 0.250
5 × 5	0.188, 0.250

Light-gauge rectangular tubing	
Size (in)	Wall thicknesses listed (in)
2 × 1	0.060, 0.075, 0.120*
2½ × 1½	0.075
3 × 1½	0.075
3 × 2	0.075, 0.105*, 0.120, 0.135, 0.150, 0.188, 0.250
4 × 2	0.075, 0.120, 0.135, 0.150, 0.188, 0.250
4 × 3	0.075, 0.120, 0.150, 0.188, 0.250
5 × 3	0.120, 0.188, 0.250
6 × 2	0.075, 0.120, 0.188, 0.250

Published lengths: 6.00 m for gauge walls and 6.10 m for 3/16" and 1/4" walls. Items marked * are flagged on the published table; confirm availability with your quote.

Mechanical tubing ranges	
Product	Range as published
Square mechanical tubing	¾" × ¾" to 4" × 4"
Rectangular mechanical tubing	Up to 6" × 2"
Round mechanical tubing	O.D. 1.25", 1.315", 1.5", 1.66", 1.9", 2", 2.375", 2.875", 3.5" and 4.5"; walls 0.060" to 0.173"
Lengths	20 to 40 ft, depending on size

Ranges as published in the represented mill's mechanical tubing catalogue. Confirm current sizes, gauges and lengths with your quote.

Benefits of HSS

- **High strength-to-weight ratio:** High radii of gyration about both axes give strong compression performance and significant weight savings.
- **Clean architectural look:** Flat sides, rounded corners and a closed section suit exposed structures.
- **Less surface to coat:** Rectangular and square HSS have about two-thirds of the surface area of an open section of comparable capacity: less surface preparation, paint and fireproofing.
- **Closed section:** Good resistance to torsion, and fewer surfaces for dust and debris where cleanliness matters.

About this sheet. Compiled by Tas & Zaz from the data published by the mill we represent (accessed October 2026). The mill's current documentation and your written quote prevail; final product selection is the responsibility of your engineer or specifier.

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