



STANDARD PIPE, HSS & PILING



ASTM - A53 PIPE FOR MECHANICAL & PRESSURE APPLICATIONS

ASTM - A500 HOLLOW STRUCTURAL SECTIONS

ASTM - A252 PIPE PILES



WHERE QUALITY MEETS INNOVATION



AXIS PIPE AND TUBE: SAFETY & QUALITY ARE OUR COMMITMENT.



At AXIS PIPE AND TUBE, our Mission is to meet or exceed our customer's performance requirements and expectations through Innovation, Quality and Service. We differentiate ourselves by proudly adhering to and supporting our Corporate Values of: Teamwork, Enthusiasm and Integrity.

These are accomplished through technological innovation, continual improvement of our quality management system and a strong commitment to employee development and diversity.

We utilize the latest technologies, manufacturing techniques and "best in class" information and tracking systems available. This combined with the collective professional experience of our team and our commitment to success creates a winning formula that ensures every product manufactured is of the highest quality in the industry and delivers the maximum return on investment.

Our cutting edge manufacturing facility located in Texas Triangle Park – Bryan, Texas is situated on approximately 283 acres with over 600,000 square feet of facilities under roof and over 40 acres of storage area.

We offer the strategic advantage and benefit of direct railroad access and truck loading facilities to streamline logistics operations and thereby reduce product time to market. Understanding that quality always starts with the raw material, we carefully qualify, select and secure only the finest quality raw materials available from our domestic and foreign suppliers.

Our Hollow Structural Section (HSS) and Pipes product lines, which includes round, square and rectangular shapes with lengths up to 60 ft. and wall thickness as thick as 5/8", cover the growing popularity of the building industry. All these products being produced according to international standards such as ASTM A500, A1085, A252 and A53.



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Hollow Structural Sections (HSS) are cold-formed, welded steel tubes that are being specified more and more by architects and engineers as an alternative to steel structures because:

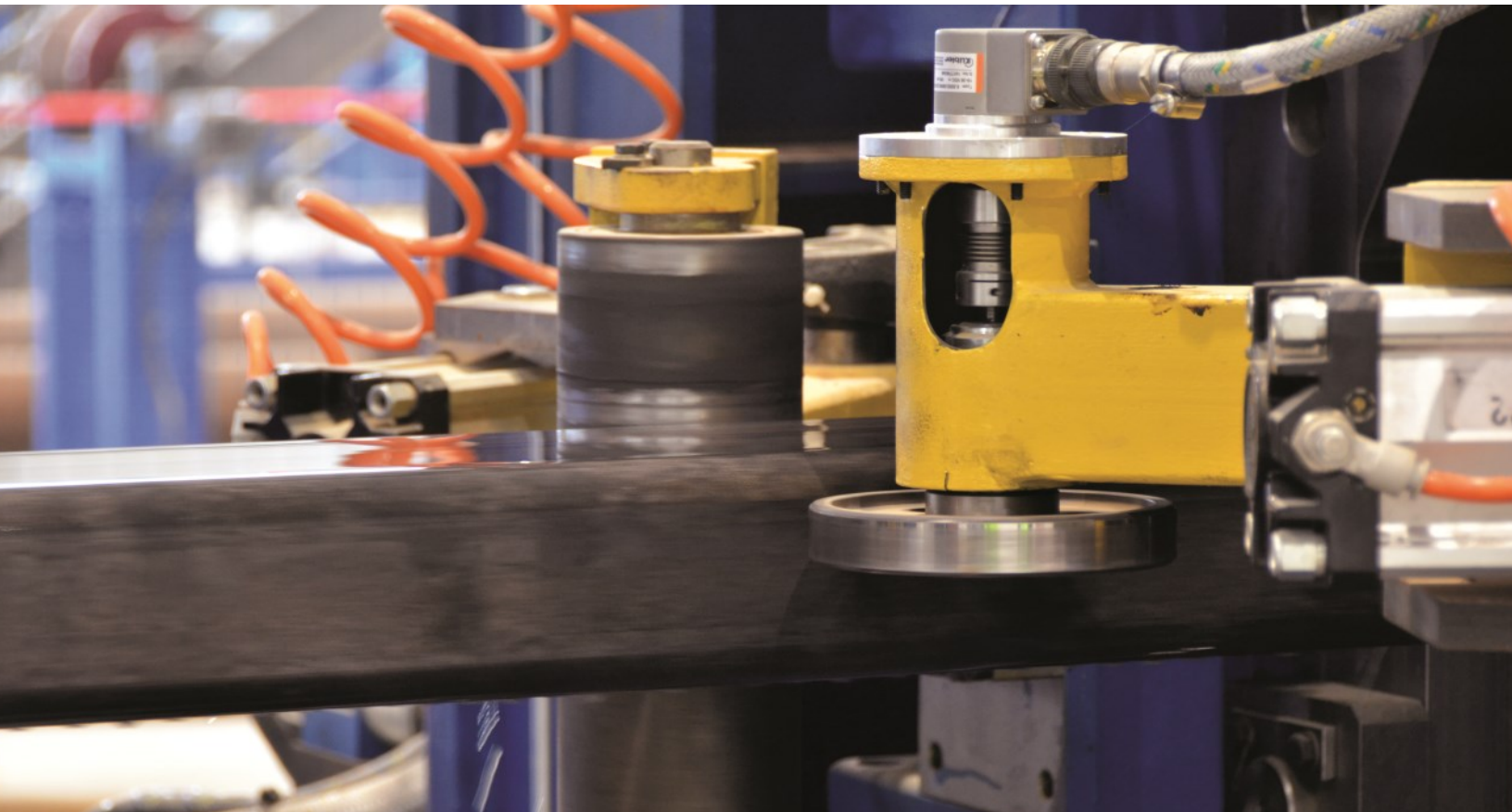
- Its tight tolerances.
- Exceptional torsional resistance.
- High strength-to-weight ratio.

Hollow Structural Sections (HSS) are commonly used in structural designs such as: buildings, bridges, stadiums, airports and a variety of other structures. They are also an attractive alternative for OEM applications such as agricultural and construction equipment.



Hollow Structural Sections (HSS) are successfully and productively used on:

- Support columns and roofing in commercial, residential, industrial and institutional buildings.
- Rack and storage systems.
- Industrial machinery.
- Heavy equipment.
- Oil field construction.
- Reinforcing building or structures foundations.



REDUCING LABOR COSTS: COLORSHIELD™



Due to the varied application of our products in the industry, we offer our HSS bare or primer coating with ColorShield™.

ColorShield™ provides an excellent base for powder coating applications and conventional paint finishes. It reduces material handling and surface preparation for final coating and it eliminates the need for solvent cleaning.

Benefits:

- Reduces time and labor costs.
- Improves productivity
- Increases storage life
- Uses a water-based primer, which provides an excellent base for powder coating applications and conventional paint systems.
- Since the tube is already primered, it can be top-coated immediately.
- It's oil-free. No need for expensive and time consuming degreasing.



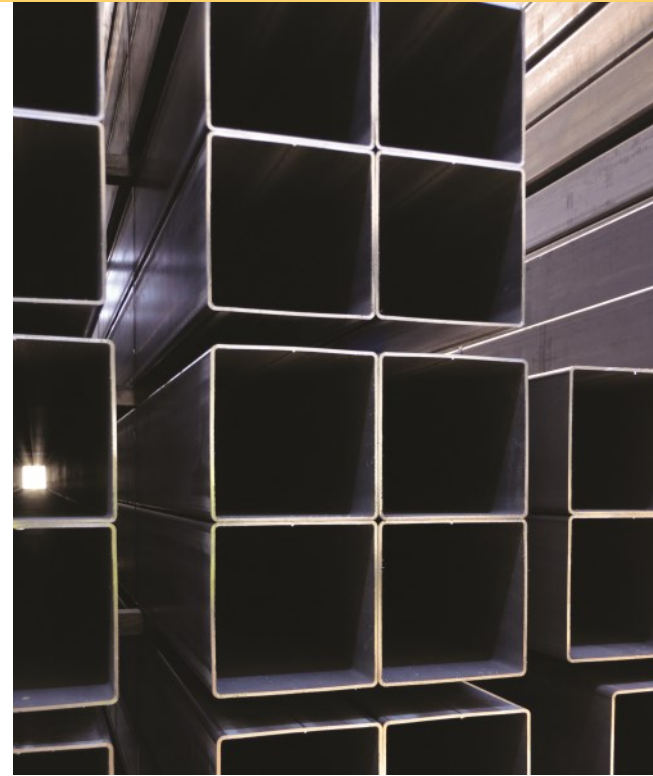
HOLLOW STRUCTURAL SECTIONS (HSS)

SQUARE PRODUCT CAPABILITY

SQUARE (in)	WALL THICKNESS (in)					
	0.188	0.250	0.313	0.375	0.500	0.625
6	14.58	19.05	23.41	27.52	35.29	
8	19.71	25.86	31.94	37.74	48.93	59.41
10	24.84	32.68	40.47	47.97	62.56	76.45
12		39.50	49.01	58.19	76.19	93.49

* Information stated in this chart is theoretical weight and is expressed in lb/ft.

 Recurrent production runs. Not rolled regularly. Size subject to minimum orders, please inquire.



BUNDLE CHART

SQUARE (in)	WALL (in)	Wt/Ft	20 ft				24 ft				40 ft				48 ft				60 ft			
			W	H	Pcs/Bdl	Bdl Wt (lb)	W	H	Pcs/Bdl	Bdl Wt (lb)	W	H	Pcs/Bdl	Bdl Wt (lb)	W	H	Pcs/Bdl	Bdl Wt (lb)	W	H	Pcs/Bdl	Bdl Wt (lb)
6	0.188	14.58	3	3	9	2,625	3	3	9	3,150	3	3	9	5,251	3	3	9	6,301	3	2	6	5,251
	0.250	19.05	3	3	9	3,429	3	3	9	4,114	3	3	9	6,857	3	2	6	5,486	3	2	6	6,857
	0.313	23.41	3	3	9	4,213	3	3	9	5,056	3	2	6	5,617	3	2	6	6,741	3	1	3	4,213
	0.375	27.52	3	3	9	4,954	3	3	9	5,945	3	2	6	6,605	3	2	6	7,926	3	1	3	4,954
	0.500	35.29	3	3	9	6,353	3	2	6	5,082	3	1	3	4,235	3	1	3	5,082	3	1	3	6,353
8	0.188	19.71	3	3	9	3,548	3	3	9	4,257	3	3	9	7,096	3	3	9	8,515	3	2	6	7,096
	0.250	25.86	3	3	9	4,655	3	3	9	5,587	3	3	9	9,311	3	2	6	7,449	3	2	6	9,311
	0.313	31.94	3	3	9	5,749	3	3	9	6,899	3	2	6	7,665	3	2	6	9,198	2	2	4	7,665
	0.375	37.74	3	3	9	6,794	3	3	9	8,153	3	2	6	9,059	2	2	4	7,247	2	2	4	9,059
	0.500	48.93	3	3	9	8,807	3	2	6	7,045	2	2	4	7,828	2	2	4	9,394	2	1	2	5,871
10	0.625	59.41	3	2	6	7,129	3	2	6	8,555	2	2	4	9,505	2	1	2	5,703	2	1	2	7,129
	0.188	24.84	2	2	4	1,987	2	2	4	2,384	2	2	4	3,974	2	2	4	4,769	2	2	4	5,961
	0.250	32.68	2	2	4	2,614	2	2	4	3,137	2	2	4	5,229	2	2	4	6,274	2	2	4	7,843
	0.313	40.47	2	2	4	3,238	2	2	4	3,885	2	2	4	6,476	2	2	4	7,771	2	2	4	9,713
	0.375	47.97	2	2	4	3,838	2	2	4	4,605	2	2	4	7,675	2	2	4	9,210	2	1	2	5,756
12	0.500	62.56	2	2	4	5,005	2	2	4	6,006	2	2	4	10,009	2	1	2	6,006	2	1	2	7,507
	0.625	76.45	2	2	4	6,116	2	2	4	7,339	2	1	2	6,116	2	1	2	7,339	2	1	2	9,174
	0.250	39.50	2	2	4	3,160	2	2	4	3,792	2	2	4	6,319	2	2	4	7,583	2	2	4	9,479
	0.313	49.01	2	2	4	3,921	2	2	4	4,705	2	2	4	7,841	2	2	4	9,409	2	1	2	5,881
	0.375	58.19	2	2	4	4,655	2	2	4	5,587	2	2	4	9,311	2	1	2	5,587	2	1	2	6,983
12	0.500	76.19	2	2	4	6,095	2	2	4	7,314	2	1	2	6,095	2	1	2	7,314	2	1	2	9,143
	0.625	93.49	2	2	4	7,479	2	2	4	8,975	2	1	2	7,479	2	1	2	8,975	1	1	1	5,609

Theoretical Weight. This chart shows the most commonly requested sizes and some may require minimum quantities.

For more information, please contact your sales representative for special inquiries. Manufactured according to ASTM A500 or A 1085 specification.

HOLLOW STRUCTURAL SECTIONS (HSS)

RECTANGULAR PRODUCT CAPABILITY

RECT. (in)	WALL THICKNESS (in)					
	0.188	0.250	0.313	0.375	0.500	0.625
8x4	14.58	19.05	23.41	27.52	35.29	
8x6	17.15	22.46	27.67	32.63		
10x4	17.15	22.46	27.67	32.63		
10x6	19.71	25.86	31.94	37.74	48.93	59.41
12x4	19.71	25.86	31.94	37.74	48.93	59.41
12x8	24.84	32.68	40.47	47.97	62.56	76.45

* Information stated in this chart is theoretical weight and is expressed in lb/ft.

 Recurrent production runs. Not rolled regularly.
Size subject to minimum orders, please inquire.

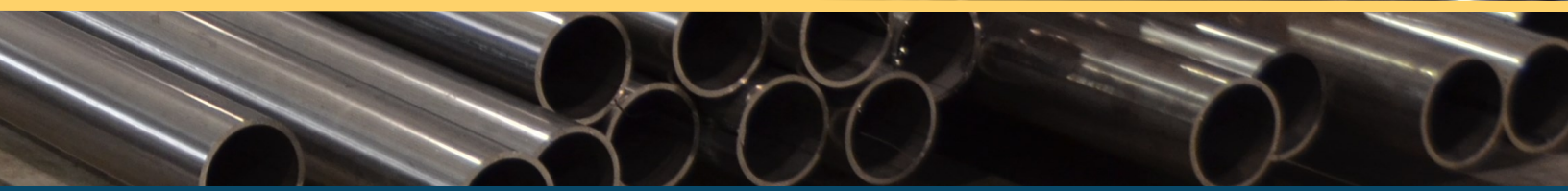


BUNDLE CHART

RECT. (in)	WALL (in)	Wt/Ft	20 ft				24 ft				40 ft				48 ft				60 ft			
			W	H	Pcs/Bdl	Bdl Wt (lb)	W	H	Pcs/Bdl	Bdl Wt (lb)	W	H	Pcs/Bdl	Bdl Wt (lb)	W	H	Pcs/Bdl	Bdl Wt (lb)	W	H	Pcs/Bdl	Bdl Wt (lb)
8 x 4	0.188	14.58	2	5	10	2,917	2	5	10	3,500	2	5	10	5,834	2	5	10	7,001	2	2	4	3,500
	0.250	19.05	2	5	10	3,809	2	5	10	4,571	2	4	8	6,095	2	3	6	5,486	2	2	4	4,571
	0.313	23.41	2	5	10	4,682	2	5	10	5,618	2	4	8	7,491	2	3	6	6,742	2	2	4	5,618
	0.375	27.52	2	5	10	5,504	2	4	8	5,284	2	3	6	6,605	2	2	4	5,284	2	2	4	6,605
	0.500	35.29	2	5	10	7,059	2	3	6	5,082	2	2	4	5,647	2	2	4	6,776	2	2	4	8,471
8 x 6	0.188	17.15	2	3	6	2,058	2	3	6	2,469	2	3	6	4,115	2	3	6	4,939	2	2	4	4,115
	0.250	22.46	2	3	6	2,695	2	3	6	3,234	2	3	6	5,389	2	3	6	6,467	2	2	4	5,389
	0.313	27.67	2	3	6	3,321	2	3	6	3,985	2	3	6	6,641	2	2	4	5,313	2	2	4	6,641
	0.375	32.63	2	3	6	3,916	2	3	6	4,699	2	3	6	7,832	2	2	4	6,266	2	2	4	7,832
10 x 4	0.188	17.15	2	5	10	3,430	2	5	10	4,115	2	4	8	5,487	2	4	8	6,585	2	2	4	4,115
	0.250	22.46	2	5	10	4,491	2	5	10	5,389	2	4	8	7,186	2	3	6	6,467	2	2	4	5,389
	0.313	27.67	2	5	10	5,534	2	5	10	6,641	2	3	6	6,641	2	2	4	5,313	2	2	4	6,641
	0.375	32.63	2	5	10	6,527	2	4	8	6,266	2	2	4	5,221	2	2	4	6,266	2	2	4	7,832
10 x 6	0.188	19.71	2	4	8	3,154	2	4	8	3,784	2	4	8	6,307	2	3	6	5,677	2	2	4	4,731
	0.250	25.86	2	4	8	4,138	2	4	8	4,966	2	3	6	6,207	2	3	6	7,449	2	2	4	6,207
	0.313	31.94	2	4	8	5,110	2	4	8	6,132	2	3	6	7,666	2	2	4	6,132	2	2	4	7,666
	0.375	37.74	2	4	8	6,039	2	3	6	5,435	2	2	4	6,039	2	2	4	7,247	2	2	4	9,059
	0.500	48.93	2	3	6	5,871	2	3	6	7,045	2	2	4	7,828	2	2	4	9,394	2	1	2	5,871
	0.625	59.41	2	3	6	7,129	2	2	4	5,703	2	2	4	9,505	2	1	2	5,703	2	1	2	7,129
12 x 4	0.188	19.71	2	6	12	4,731	2	6	12	5,677	2	5	10	7,884	2	4	8	7,569	2	3	6	7,096
	0.250	25.86	2	6	12	6,207	2	6	12	7,449	2	4	8	8,276	2	3	6	7,449	2	3	6	9,311
	0.313	31.94	2	5	10	6,388	2	5	10	7,665	2	3	6	7,665	2	3	6	9,198	2	2	4	7,665
	0.375	37.74	2	5	10	7,549	2	4	8	7,247	2	3	6	9,059	2	2	4	7,247	2	2	4	9,059
	0.500	48.93	2	4	8	7,828	2	4	8	9,394	2	2	4	7,828	2	2	4	9,394	2	1	2	5,871
	0.625	59.41	2	3	6	7,129	2	3	6	8,555	2	2	4	9,506	2	1	2	5,703	2	1	2	7,129
12 x 8	0.188	24.84	2	3	6	2,980	2	3	6	3,576	2	3	6	5,961	2	3	6	7,153	2	2	4	5,961
	0.250	32.68	2	3	6	3,922	2	3	6	4,706	2	2	4	5,229	2	2	4	6,274	2	2	4	7,843
	0.313	40.47	2	3	6	4,857	2	3	6	5,828	2	2	4	6,476	2	2	4	7,771	2	1	2	4,857
	0.375	47.97	2	3	6	5,756	2	3	6	6,908	2	2	4	7,675	2	1	2	4,605	2	1	2	5,756
	0.500	62.56	2	2	4	5,005	2	2	4	6,006	2	1	2	5,005	2	1	2	6,006	2	1	2	7,507
	0.625	76.45	2	2	4	6,116	2	2	4	7,339	2	1	2	6,116	2	1	2	7,339	2	1	2	9,174

Theoretical Weight. This chart shows the most commonly requested sizes and some may require minimum quantities. For more information, please contact your sales representative for special inquires. Manufactured according to ASTM A500 or A1085 specification.

PIPE PILES & ROUND HOLLOW STRUCTURAL SECTION



Often times when a structure is too heavy, a deep foundation is needed for support. In this instance, pipe piles are necessary to shift the heavy load to deeper soil. These stronger soil layers assist in skin friction and point bearing, which allow the pipes to support heavier structures. When regular soil is not sufficient in supporting the structure, concrete and rebar can also be added to the pipes to ensure support.

BUNDLE CHART

O.D. (in)	NOMINAL (in)	WALL (in)	Wt/Ft	20 ft		21 ft		24 ft		40 ft		42 ft		48 ft	
				Pcs/Bdl	Bdl Wt (lb)	Pcs/Bdl	Bdl Wt (lb)	Pcs/Bdl	Bdl Wt (lb)	Pcs/Bdl	Bdl Wt (lb)	Pcs/Bdl	Bdl Wt (lb)	Pcs/Bdl	Bdl Wt (lb)
5.500		0.188	10.67	10	2,134	10	2,241	10	2,561	10	4,268	10	4,481	10	5,122
		0.250	14.02	10	2,804	10	2,944	10	3,365	10	5,608	10	5,888	10	6,730
		0.275	15.36	10	3,072	10	3,226	10	3,686	10	6,144	10	6,451	10	7,373
		0.304	16.89	10	3,377	10	3,546	10	4,053	10	6,754	10	7,092	10	8,105
		0.313	17.36	10	3,472	10	3,646	10	4,166	10	6,944	10	7,291	10	8,333
		0.361	19.83	10	3,966	10	4,164	10	4,759	10	7,932	10	8,329	10	9,518
		0.375	20.53	10	4,106	10	4,311	10	4,927	10	8,212	10	8,623	10	9,854
6.625	6	0.188	12.94	7	1,811	7	1,902	7	2,173	7	3,622	7	3,803	7	4,347
		0.219	15.00	7	2,100	7	2,205	7	2,520	7	4,199	7	4,409	7	5,039
		0.250	17.04	7	2,385	7	2,504	7	2,862	7	4,770	7	5,009	7	5,724
		0.280	18.99	7	2,659	7	2,792	7	3,191	7	5,318	7	5,584	7	6,381
		0.313	21.10	7	2,954	7	3,102	7	3,545	7	5,908	7	6,203	7	7,090
		0.375	25.03	7	3,504	7	3,680	7	4,205	7	7,009	7	7,359	7	8,411
		0.432	28.57	7	4,000	7	4,200	7	4,800	7	8,000	7	8,400	5	6,858
7.000		0.188	13.68	7	1,915	7	2,011	7	2,298	7	3,830	7	4,021	7	4,596
		0.250	18.02	7	2,523	7	2,652	7	3,028	7	5,046	7	5,299	7	6,056
		0.313	22.35	7	3,129	7	3,286	7	3,755	7	6,259	7	6,572	7	7,511
		0.317	22.65	7	3,171	7	3,329	7	3,805	7	6,341	7	6,658	7	7,609
		0.362	25.69	7	3,596	7	3,776	7	4,316	7	7,193	7	7,552	7	8,631
		0.375	26.53	7	3,715	7	3,904	7	4,458	7	7,429	7	7,801	5	6,368
		0.408	28.75	7	4,025	7	4,226	7	4,830	7	8,050	7	8,453	7	9,660
		0.453	31.70	7	4,439	7	4,661	7	5,326	7	8,877	7	9,321	7	10,653
		0.500	34.71	7	4,859	7	5,107	7	5,831	7	9,719	5	7,289	5	8,330
8.625	8	0.188	16.96	7	2,374	7	2,493	7	2,849	7	4,748	7	4,985	7	5,697
		0.219	19.68	7	2,755	7	2,893	7	3,306	7	5,510	7	5,786	7	6,612
		0.250	22.38	7	3,134	7	3,290	7	3,760	7	6,267	7	6,580	7	7,520
		0.264	23.60	7	3,303	7	3,469	7	3,964	7	6,607	7	6,937	7	7,928
		0.277	24.70	7	3,457	7	3,630	7	4,149	7	6,915	7	7,261	7	8,298
		0.304	27.04	7	3,786	7	3,975	7	4,543	7	7,572	7	7,950	7	9,086
		0.313	27.79	7	3,890	7	4,084	7	4,668	7	7,780	7	8,169	5	6,669
		0.322	28.58	7	4,001	7	4,201	7	4,802	7	8,003	7	8,403	7	9,603
		0.352	31.13	7	4,358	7	4,576	7	5,230	7	8,716	7	9,152	7	10,460
		0.375	33.04	7	4,626	7	4,857	7	5,551	5	6,608	5	6,939	5	7,930
		0.406	35.64	7	4,989	7	5,239	7	5,987	7	9,979	5	7,484	5	8,553
		0.500	43.43	7	6,080	7	6,384	7	7,296	2	3,474	2	3,648	2	4,169

Theoretical Weight. This chart shows the most commonly requested sizes and some may require minimum quantities.

For more information, please contact your sales representative for special inquiries. Manufactured according to ASTM A500 or A252 specification.

PIPE PILES & ROUND HOLLOW STRUCTURAL SECTION

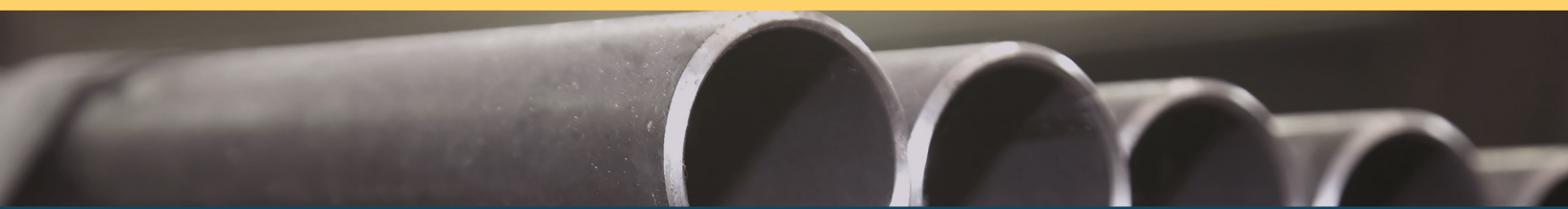
BUNDLE CHART

O.D. (in)	NOMINAL (in)	WALL (in)	Wt/Ft	20 ft		21 ft		24 ft		40 ft		42 ft		48 ft	
				Pcs/Bdl	Bdl Wt (lb)	Pcs/Bdl	Bdl Wt (lb)	Pcs/Bdl	Bdl Wt (lb)	Pcs/Bdl	Bdl Wt (lb)	Pcs/Bdl	Bdl Wt (lb)	Pcs/Bdl	Bdl Wt (lb)
9.625	9	0.250	25.03	1	1,001	1	1,051	1	1,202	1	2,003	1	2,103	1	2,403
		0.313	31.13	1	1,245	1	1,307	1	1,494	1	2,490	1	2,615	1	2,988
		0.342	33.91	1	1,356	1	1,424	1	1,628	1	2,713	1	2,848	1	3,255
		0.352	34.89	1	1,396	1	1,466	1	1,675	1	2,791	1	2,931	1	3,350
		0.375	37.05	1	1,482	1	1,556	1	1,778	1	2,964	1	3,112	1	3,556
		0.395	38.97	1	1,559	1	1,637	1	1,871	1	3,118	1	3,274	1	3,742
		0.435	42.73	1	1,709	1	1,795	1	2,051	1	3,419	1	3,590	1	4,103
		0.472	46.18	1	1,847	1	1,940	1	2,217	1	3,695	1	3,879	1	4,434
		0.500	48.73	1	1,949	1	2,047	1	2,339	1	3,898	1	4,093	1	4,678
		0.545	52.90	1	2,116	1	2,222	1	2,539	1	4,232	1	4,444	1	5,078
0.625	60.08	1	2,403	1	2,523	1	2,884	1	4,806	1	5,046	1	5,767		
10.750	10	0.188	21.21	1	848	1	891	1	1,018	1	1,697	1	1,781	1	2,036
		0.219	24.65	1	986	1	1,035	1	1,183	1	1,972	1	2,071	1	2,367
		0.250	28.06	1	1,122	1	1,179	1	1,347	1	2,245	1	2,357	1	2,694
		0.307	34.27	1	1,371	1	1,439	1	1,645	1	2,742	1	2,879	1	3,290
		0.313	34.89	1	1,396	1	1,465	1	1,675	1	2,791	1	2,931	1	3,349
		0.350	38.91	1	1,556	1	1,634	1	1,868	1	3,113	1	3,269	1	3,736
		0.365	40.52	1	1,621	1	1,702	1	1,945	1	3,242	1	3,404	1	3,890
		0.375	41.55	1	1,662	1	1,745	1	1,994	1	3,324	1	3,490	1	3,989
		0.500	54.79	1	2,191	1	2,301	1	2,630	1	4,383	1	4,602	1	5,259
		0.593	64.33	1	2,573	1	2,702	1	3,088	1	5,146	1	5,403	1	6,175
0.625	67.58	1	2,703	1	2,839	1	3,244	1	5,407	1	5,677	1	6,488		
12.750	12	0.219	29.34	1	1,173	1	1,232	1	1,408	1	2,347	1	2,464	1	2,816
		0.250	33.41	1	1,336	1	1,403	1	1,604	1	2,673	1	2,806	1	3,207
		0.313	41.57	1	1,663	1	1,746	1	1,996	1	3,326	1	3,492	1	3,991
		0.330	43.77	1	1,751	1	1,838	1	2,101	1	3,502	1	3,677	1	4,202
		0.375	49.61	1	1,984	1	2,084	1	2,381	1	3,969	1	4,167	1	4,762
		0.406	53.52	1	2,141	1	2,248	1	2,569	1	4,282	1	4,496	1	5,138
		0.500	65.42	1	2,617	1	2,747	1	3,140	1	5,233	1	5,495	1	6,280
		0.562	73.15	1	2,926	1	3,072	1	3,511	1	5,852	1	6,145	1	7,023
0.625	80.93	1	3,237	1	3,399	1	3,885	1	6,475	1	6,798	1	7,770		
13.375		0.250	35.04	1	1,402	1	1,472	1	1,682	1	2,804	1	2,944	1	3,364
		0.313	43.66	1	1,747	1	1,834	1	2,096	1	3,493	1	3,668	1	4,192
		0.375	52.07	1	2,083	1	2,187	1	2,499	1	4,165	1	4,373	1	4,998
		0.380	52.79	1	2,112	1	2,217	1	2,534	1	4,223	1	4,434	1	5,068
		0.480	66.17	1	2,647	1	2,779	1	3,176	1	5,293	1	5,558	1	6,352
		0.500	68.75	1	2,750	1	2,888	1	3,300	1	5,500	1	5,775	1	6,600
0.625	85.11	1	3,404	1	3,574	1	4,085	1	6,809	1	7,149	1	8,170		
16.000	16	0.250	42.05	1	1,682	1	1,766	1	2,019	1	3,364	1	3,532	1	4,037
		0.313	52.44	1	2,098	1	2,202	1	2,517	1	4,195	1	4,405	1	5,034
		0.375	62.64	1	2,505	1	2,631	1	3,007	1	5,011	1	5,261	1	6,013
		0.500	82.77	1	3,311	1	3,476	1	3,973	1	6,622	1	6,953	1	7,946
		0.625	102.63	1	4,105	1	4,310	1	4,926	1	8,210	1	8,621	1	9,852

Theoretical Weight. This chart shows the most commonly requested sizes and some may require minimum quantities.

For more information, please contact your sales representative for special inquiries. Manufactured according to ASTM A500 or A252 specification.

ASTM - A53 PIPE FOR MECHANICAL & PRESSURE APPLICATIONS



Pipe ordered under this specification is intended for mechanical and pressure applications and is also acceptable for ordinary uses in steam, water, gas, and air lines. It is suitable for welding, and forming operations involving coiling, bending, and flanging.

BUNDLE CHART

NOMINAL (in)	O.D. (in)	Class/ Schedule	WALL (in)	Wt/Ft	21 ft		42 ft		Test Pressure (psi)	
					Pcs/Bdl	Bdl Wt (lb)	Pcs/Bdl	Bdl Wt (lb)	Grade A	Grade B
6	6.625		0.188	12.94	7	1,902	7	3,803	1,020	1,190
			0.219	15.00	7	2,205	7	4,409	1,190	1,390
			0.250	17.04	7	2,504	7	5,009	1,360	1,580
		Std / 40	0.280	18.99	7	2,792	7	5,584	1,520	1,780
			0.312	21.06	7	3,096	7	6,192	1,700	1,980
			0.344	23.10	7	3,396	7	6,791	1,870	2,180
			0.375	25.05	7	3,682	7	7,365	2,040	2,380
		XS / 80	0.432	28.60	7	4,204	7	8,408	2,350	2,740
		8	8.625		0.188	16.96	7	2,493	7	4,985
	0.203			18.28	7	2,687	7	5,374	850	1,000
	0.219			19.68	7	2,893	7	5,786	910	1,070
20	0.250			22.38	7	3,290	7	6,580	1,040	1,220
30	0.277			24.72	7	3,634	7	7,268	1,160	1,350
	0.312			27.73	7	4,076	7	8,153	1,300	1,520
Std / 40	0.322			28.58	7	4,201	7	8,403	1,340	1,570
	0.344			30.45	7	4,476	7	8,952	1,440	1,680
	0.375			33.07	7	4,861	7	9,723	1,570	1,830
60	0.406			35.67	7	5,243	5	7,491	1,700	2,000
	0.438			38.33	7	5,635	5	8,049	1,830	2,130
XS / 80	0.500			43.43	7	6,384	2	3,648	2,090	2,430
10	10.750				0.188	21.23	1	892	1	1,783
			0.203	22.89	1	961	1	1,923	680	800
			0.219	24.65	1	1,035	1	2,071	730	860
		20	0.250	28.06	1	1,179	1	2,357	840	980
			0.279	31.23	1	1,312	1	2,623	930	1,090
		30	0.307	34.27	1	1,439	1	2,879	1,030	1,200
			0.344	38.27	1	1,607	1	3,215	1,150	1,340
		Std / 40	0.365	40.52	1	1,702	1	3,404	1,220	1,430
			0.438	48.28	1	2,028	1	4,056	1,470	1,710
		XS / 60	0.500	54.79	1	2,301	1	4,602	1,670	1,950
		80	0.594	64.49	1	2,709	1	5,417	1,990	2,320

Theoretical Weight. This chart shows the most commonly requested sizes and some may require minimum quantities. For more information, please contact your sales representative for special inquires. Manufactured according to ASTM A53 specification.

ASTM - A53 PIPE FOR MECHANICAL & PRESSURE APPLICATIONS

BUNDLE CHART

NOMINAL (in)	O.D. (in)	Class/ Schedule	WALL (in)	Wt/Ft	21 ft		42 ft		Test Pressure (psi)	
					Pcs/Bdl	Bdl Wt (lb)	Pcs/Bdl	Bdl Wt (lb)	Grade A	Grade B
12	12.750		0.219	29.34	1	1,232	1	2,464	620	720
		20	0.250	33.41	1	1,403	1	2,806	710	820
			0.281	37.46	1	1,573	1	3,147	790	930
			0.312	41.48	1	1,742	1	3,484	880	1,030
		30	0.330	43.81	1	1,840	1	3,680	930	1,090
			0.344	45.62	1	1,916	1	3,832	970	1,130
		Std	0.375	49.61	1	2,084	1	4,167	1,060	1,240
		40	0.406	53.57	1	2,250	1	4,500	1,150	1,340
			0.438	57.65	1	2,421	1	4,843	1,240	1,440
		XS	0.500	65.48	1	2,750	1	5,500	1,410	1,650
16	16.000		0.250	42.09	1	1,768	1	3,536	560	660
			0.281	47.22	1	1,983	1	3,966	630	740
		20	0.312	52.32	1	2,198	1	4,395	700	820
			0.344	57.57	1	2,418	1	4,836	770	900
		Std / 30	0.375	62.64	1	2,631	1	5,261	840	980
			0.438	72.86	1	3,060	1	6,120	990	1,150
			0.469	77.87	1	3,271	1	6,541	1,060	1,230
		XD / 40	0.500	82.85	1	3,480	1	6,959	1,120	1,310

Theoretical Weight. This chart shows the most commonly requested sizes and some may require minimum quantities. For more information, please contact your sales representative for special inquires. Manufactured according to ASTM A53 specification.

ASTM A53 CHEMICAL REQUIREMENTS

Pipe Type E (Electric-Resistance-Welded)

	Composition, max. %								
	Carbon	Manganese	Phosphorus	Sulfur	Copper*	Nickel*	Chromium*	Molybdenum*	Vanadium*
Grade A	0.25**	0.95	0.05	0.05	0.40	0.40	0.40	0.15	0.08
Grade B	0.30***	1.20	0.05	0.05	0.40	0.40	0.40	0.15	0.08

* The total composition for these five elements shall not exceed 1.00%.

** For each reduction of 0.01% below the specified carbon maximum, an increase of 0.06% manganese above the specified maximum will be permitted up to a maximum of 1.35%.

*** For each reduction of 0.01% below the specified carbon maximum, an increase of 0.06% manganese above the specified maximum will be permitted up to a maximum of 1.65%.

ASTM A53 TENSILE REQUIREMENTS

	Grade A	Grade B
Tensile strength, min. psi.	48,000	60,000
Yield strength, min. psi.	30,000	35,000



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