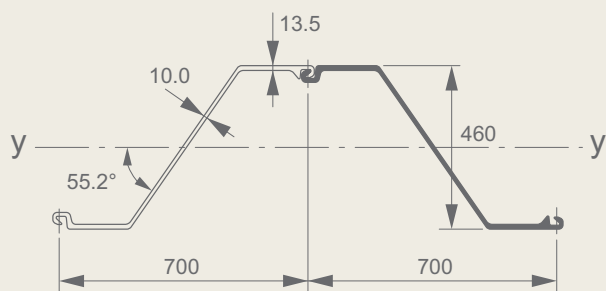




AZ 26-700N

STEEL SHEET PILING
100 YEARS
MADE IN LUXEMBOURG

ArcelorMittal



The AZ-700 range has been changing the landscape of steel sheet piles since 2004. To strengthen the market leadership position **ArcelorMittal keeps developing more and more cost-efficient solutions** although the new AZ-700 range is

now almost complete. Only a few months after the launch of the latest section AZ 13-700, and exactly five years after the introduction into the market of the original AZ 26-700, we have the pleasure to announce the latest innovation in terms of rolling technology: the **new AZ 26-700N**. Both sections have a **section modulus of 2600 cm³/m**, the same geometry, but the flange thickness of the new profile is higher. They share a few common features, like an excellent handling and driveability, fast installation progress, but **the new AZ 26-700N is almost 6% lighter** than the original AZ 26-700.

The AZ 26-700N is currently available in all standard steel grades and can be rolled-up and rolled-down by 1.0 mm.

The new AZ 26-700N is available since January 2013. The existing AZ 26 and AZ 26-700 will remain in our portfolio.

Section	Width b	Height h	Thickness		Sectional area	Mass		Moment of inertia	Elastic section modulus	Static moment	Plastic section modulus	Class *							
			t	s		single pile	wall					S 240 GP	S 270 GP	S 320 GP	S 355 GP	S 390 GP	S 430 GP	S 460 AP	
AZ 24-700N	700	459	12.5	9.0	163	89.7	128	55 890	2 435	1 405	2 810	2	2	2	2	2	2	2	2
AZ 26-700N	700	460	13.5	10.0	176	96.9	138	59 790	2 600	1 510	3 015	2	2	2	2	2	2	2	2
AZ 28-700N	700	461	14.5	11.0	189	104.1	149	63 700	2 765	1 610	3 220	2	2	2	2	2	2	2	2

* Classification according to EN 1993-5. Class 1 is obtained by verification of the rotation capacity for a class-2 cross-section. Steel grades S 460 AP based on mill specifications, as well as ASTM A 690 are available on request.

Section properties

Section	S = Single pile D = Double pile	Sectional area	Mass	Moment of inertia	Elastic section modulus	Radius of gyration	Coating area *
		cm ²	kg/m	cm ⁴	cm ³	cm	m ² /m
AZ 24-700N	Per S	114.3	89.7	39 120	1 705	18.50	0.96
	Per D	228.6	179.5	78 240	3 410	18.50	1.92
	Per m of wall	163.3	128.2	55 890	2 435	18.50	1.37
AZ 26-700N	Per S	123.5	96.9	41 850	1 820	18.41	0.96
	Per D	247.0	193.9	83 710	3 640	18.41	1.92
	Per m of wall	176.4	138.5	59 790	2 600	18.41	1.37
AZ 28-700N	Per S	132.6	104.1	44 590	1 935	18.33	0.96
	Per D	265.3	208.2	89 170	3 870	18.33	1.92
	Per m of wall	189.5	148.7	63 700	2 765	18.33	1.37

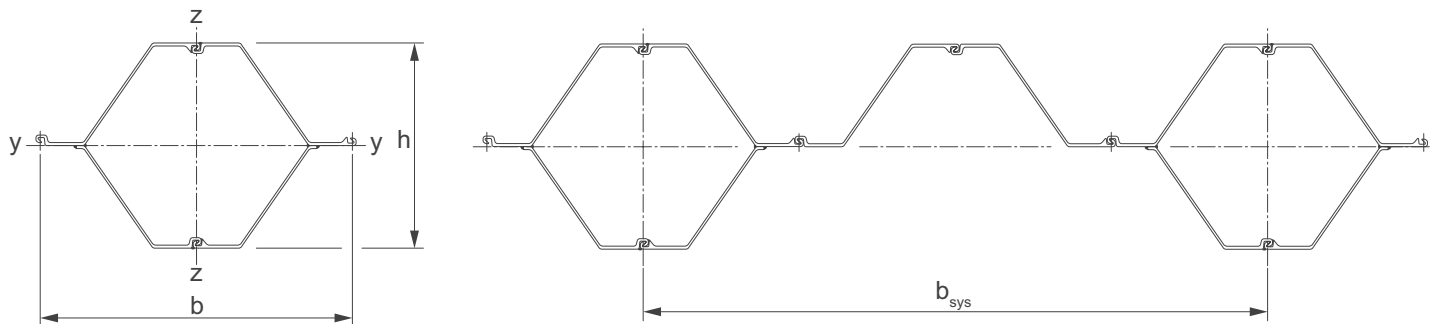
* One side, excluding inside of interlocks

Assets of the AZ 26-700N range:

- 700 mm wide Z-type sheet pile
- lighter section with an excellent ratio elastic section modulus W_y / mass
- optimized flange / web thicknesses
- lengths up to 31.0 m
- steel grades up to S 460 AP, ASTM A 690

The data and commentary contained within this steel sheet piling document is for general information purposes only. It is provided without warranty of any kind. ArcelorMittal Commercial RPS S.à r.l. shall not be held responsible for any errors, omissions or misuse of any of the enclosed information and hereby disclaims any and all liability resulting from the ability or inability to use the information contained within.

Anyone making use of this material does so at his/her own risk. In no event will ArcelorMittal Commercial RPS S.à r.l. be held liable for any damages including lost profits, lost savings or other incidental or consequential damages arising from use of or inability to use the information contained within. Our sheet pile range is liable to change without notice.



CAZ Box pile

Section	Width	Height	Perimeter	Sectional area	Total section	Mass *	Moment of inertia		Elastic section modulus		Min. radius of gyration	Coating area **
	b	h					y - y	z - z	y - y	z - z		
	mm	mm	cm	cm ²	cm ²	kg/m	cm ⁴	cm ⁴	cm ³	cm ³	cm	m ² /m
CAZ 24-700N	1 400	918	407	401	6 596	315	397 130	550 030	8 620	7 655	31.5	3.85
CAZ 26-700N	1 400	920	407	434	6 625	341	428 490	594 860	9 280	8 280	31.4	3.85
CAZ 28-700N	1 400	922	408	468	6 654	367	460 020	639 700	9 940	8 905	31.4	3.85

* The mass of the welds is not taken into account

** Outside surface, excluding inside of interlocks

Combined wall : CAZ box piles / AZ sheet piles

Combination	System width	Mass ₁₀₀ *	Mass ₆₀ *	Moment of inertia	Elastic section modulus
	b _{sys}	kg/m ²	kg/m ²	I _{sys}	W _{sys}
	mm	kg/m ²	kg/m ²	cm ⁴ /m	cm ³ /m
CAZ 24-700N / AZ 13-770	2 940	159	138	146 790	3 185
CAZ 24-700N / AZ 13-700	2 800	165	144	152 100	3 300
CAZ 24-700N / AZ 18-700	2 800	167	145	160 730	3 490
CAZ 26-700N / AZ 13-770	2 940	168	147	157 460	3 410
CAZ 26-700N / AZ 13-700	2 800	175	154	163 300	3 535
CAZ 26-700N / AZ 18-700	2 800	176	155	171 930	3 725
CAZ 28-700N / AZ 13-770	2 940	177	156	168 180	3 635
CAZ 28-700N / AZ 13-700	2 800	184	163	174 560	3 770
CAZ 28-700N / AZ 18-700	2 800	186	164	183 190	3 960

* Mass₁₀₀: L_{AZ} = 100% L_{CAZ}; Mass₆₀: L_{AZ} = 60% L_{CAZ}

ArcelorMittal Commercial RPS S.à r.l.

Sheet Piling | 66, rue de Luxembourg | L-4221 Esch sur Alzette | Luxembourg

T +352 5313 3105 | F +352 5313 3290 | sheetpiling@arcelormittal.com | www.arcelormittal.com/sheetpiling