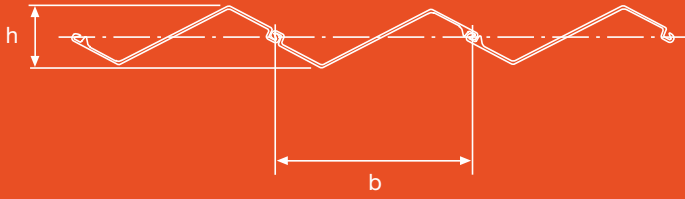


Jagged wall



AZ® jagged wall: AZ® sections threaded in reverse may form arrangements for special applications. The jagged wall arrangement represents a very economical solution for sealing screens (reduced height, reliable thickness, low driving resistance).



AZ® jagged wall

Section	Width b mm	Height h mm	Sectional area cm ² /m	Mass kg/m ²	Moment of inertia cm ⁴ /m	Elastic section modulus cm ³ /m	Coating area ¹⁾ m ² /m ²
AZ-800							
AZ 18-800	897	242	115	90	4780	395	1.16
AZ 20-800	897	243	126	99	5340	440	1.16
AZ 22-800	897	244	137	107	5900	485	1.16
AZ 23-800	907	255	133	104	6070	475	1.17
AZ 25-800	907	257	144	113	6670	520	1.17
AZ 27-800	907	258	155	122	7260	565	1.17
AZ-750							
AZ 28-750	881	278	146	114	7970	575	1.20
AZ 30-750	881	280	157	123	8700	620	1.20
AZ 32-750	881	281	169	132	9420	670	1.20
AZ-700 and AZ-770							
AZ 12-770	826	181	112	88	2330	255	1.12
AZ 13-770	826	182	117	92	2460	270	1.12
AZ 14-770	826	182	123	96	2600	285	1.12
AZ 14-770-10/10	826	183	128	100	2730	300	1.12
AZ 12-700	751	182	115	90	2410	265	1.13
AZ 13-700	751	183	126	99	2690	295	1.13
AZ 13-700-10/10	751	183	131	103	2830	310	1.13
AZ 14-700	751	184	136	107	2970	325	1.13
AZ 17-700	795	212	117	92	3690	330	1.16
AZ 18-700	795	212	123	96	3910	350	1.16
AZ 19-700	795	213	128	101	4120	365	1.16
AZ 20-700	795	214	134	105	4330	385	1.16
AZ 24-700	813	241	150	118	5970	495	1.19
AZ 26-700	813	242	161	127	6500	535	1.19
AZ 28-700	813	243	172	135	7030	580	1.19

¹⁾ One side, excluding inside of interlocks.

AZ® jagged wall

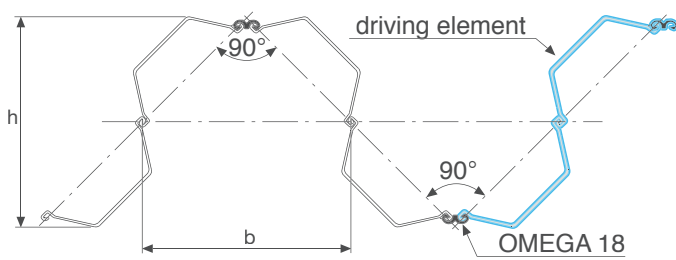
Section	Width	Height	Sectional area	Mass	Moment of inertia	Elastic section modulus	Coating area ¹⁾
	b mm	h mm	cm ² /m	kg/m ²	cm ⁴ /m	cm ³ /m	m ² /m ²
AZ-700 and AZ-770							
AZ 36-700N	834	296	181	142	11900	805	1.23
AZ 38-700N	834	298	193	152	12710	855	1.23
AZ 40-700N	834	299	205	161	13530	905	1.23
AZ 42-700N	834	300	217	170	14650	975	1.24
AZ 44-700N	834	301	229	180	15460	1025	1.24
AZ 46-700N	834	302	241	189	16280	1075	1.24
AZ 48-700	836	303	241	190	16290	1075	1.23
AZ 50-700	836	303	253	199	17100	1130	1.23
AZ 52-700	836	305	265	208	17900	1175	1.23
AZ							
AZ 18	714	225	133	104	4280	380	1.19
AZ 18-10/10	714	225	139	109	4500	400	1.19
AZ 26	736	238	169	133	6590	555	1.21
AZ 46	725	308	233	183	16550	1070	1.30
AZ 48	725	310	245	193	17450	1125	1.30
AZ 50	725	312	258	202	18370	1180	1.30

¹⁾ One side, excluding inside of interlocks.

Temporary trench, Brenner motorway Austria



U jagged wall



(no contribution to the section modulus of the jagged wall) or by an appropriately designed weld (full contribution to the section modulus). For walls with an anchorage or strut system, stiffeners have to be provided at the support levels.

An arrangement of U-sheet piles forming a jagged wall offers economic solutions where high inertia and section modulus are needed. The final choice of section has to include drivability criteria. The statical values given below assume the solidarisation of the driving element, i.e. double pile. The OMEGA 18 section is normally threaded and welded at the mill, either by tack weld



Section	Width b mm	Height h mm	Mass kg/m ²	Moment of inertia ¹⁾		Elastic section modulus ¹⁾		Plastic section modulus	
				without Omega 18 cm ⁴ /m	with Omega 18 cm ⁴ /m	without Omega 18 cm ³ /m	with Omega 18 cm ³ /m	without Omega 18 cm ³ /m	with Omega 18 cm ³ /m
AU™ jagged wall									
AU 14	1135	1115	153	275830	334350	5075	5995	6160	7250
AU 16	1135	1115	168	307000	365520	5650	6555	6870	7960
AU 18	1135	1136	172	329320	387840	5795	6825	7180	8270
AU 20	1135	1139	187	362510	421030	6365	7395	7920	9005
AU 23	1135	1171	196	390650	449160	6675	7675	8470	9560
AU 25	1135	1173	211	424510	483020	7240	8235	9215	10300
PU® jagged wall									
PU 12	923	903	163	189000	229900	4275	5090	5175	6245
PU 12-10/10	923	903	170	198850	245250	4495	5430	5450	6525
PU 18	923	955	186	244340	290750	5120	6090	6430	7500
PU 22	923	993	206	285880	332290	5760	6690	7380	8450
PU 28	923	1028	240	349710	396110	6805	7710	8925	10000
PU 32	923	1011	267	389300	432400	7705	8560	10025	11095
GU® jagged wall									
GU 14N	923	920	159	198710	245140	4320	5330	5285	6360
GU 18N	923	955	186	244340	290750	5120	6090	6430	7500
GU 22N	923	993	206	285880	332290	5760	6690	7380	8450
GU 28N	923	1028	240	349710	396110	6805	7710	8925	10000
GU 32N	923	1011	267	389300	432400	7705	8560	10025	11095

¹⁾ The moment of inertia and elastic section moduli assume correct shear force transfer across the interlock on the neutral axis.