

RISER MODULUS CHART (cm)

Proposal for Use of Isotherm Cycloid Elements

RISER DIAMETER (mm)	RISER HEIGHT (mm)												
	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	
840						25.3	25.6	25.8					
885				25.8	26.1	26.4	26.8	27.0					
930			26.2	26.8	27.2	27.6	27.9	28.3					
975		26.5	27.2	27.6	28.2	28.7	29.0	29.4					
1030	26.5	27.4	28.0	28.7	29.3	29.8	30.2	30.6					
1080	27.3	28.2	29.0	29.7	30.3	30.8	31.2	31.7					
1120	28.2	29.1	30.0	30.7	31.3	31.9	32.4						
1170	28.9	30.0	30.9	31.6	32.3								
1220	29.7	30.8	31.7	32.5	33.2								
1260		31.6	32.6										
1180						33.1	33.7	34.2	34.5	34.8	35.2	35.5	
1260				33.2	34.0	34.7	35.4	36.0	36.3	36.7	37.1	37.5	
1340			33.7	34.7	35.5	36.3	37.0	37.7	38.1				
1420		33.7	35.0	36.0	37.0	37.9	38.6						
1500		35.2	36.4	37.5	38.5								
1580		36.3	37.6	38.8									
1450								39.8	40.4	41.0	41.5	42.0	
1520						39.8	40.6	41.3	42.0	42.6	43.1	43.6	
1590					40.1	41.1	42.0	42.7	43.5	44.0	44.7	45.2	
1660					41.4	42.4	43.3	44.1	44.9	45.6	46.2	46.8	
1740					42.6	43.6	44.6	45.5	46.3	47.1	47.4	48.4	
1810					43.7	44.8	45.9	46.8	47.7	48.5	49.2	49.9	
1890					44.8	46.0	47.1	48.1	49.0	50.0			
1960					45.9	47.2	48.3	49.4	50.3				
2030					47.0	48.3	49.4	50.6					
2100					48.0	49.4	50.6						

No of Bricks / Ring	Z60	Z80	Z10	Z12
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RISER WEIGHT CHART (kg)

Proposal for Use of Isotherm Cycloid Elements

RISER DIAMETER (mm)	RISER HEIGHT (mm)											
	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
840		4323	4755	5187	5619	6052	6484	6916	7348			
885		4798	5278	5758	6238	6717	7197	7677	8157			
930	4769	5298	5828	6358	6888	7418	7948	8478	9007			
975	5241	5824	6406	6988	7571	8153	8735	9318	9900			
1030	5849	6499	7149	7799	8449	9099	9749	10399	11049			
1080	6431	7145	7860	8575	9289	10004	10718	11433	12147			
1120	6916	7685	8453	9222	9990	10758	11527	12295	13064			
1170	7547	8386	9225	10063	10902	11740	12579	13418	14256			
1220	8206	9118	10030	10942	11854	12765	13677	14589	15501	16413		
1260	8753	9726	10698	11671	12644	13616	14589	15561	16534	17506	18479	
1180	7677	8530	9383	10236	11089	11942	12795	13648	14501	15354	16207	17060
1260		9726	10698	11671	12644	13616	14589	15561	16534	17506	18479	19452
1340		11000	12100	13200	14300	15400	16500	17600	18700	19800	20900	22000
1420		12353	13588	14823	16058	17294	18529	19764	21000	22235	23470	24705
1500		13784	15162	16540	17919	19297	20676	22054	23432	24811	26189	27567
1580		15293	16823	18352	19881	21410	22940	24469	25998	27528	29057	30586
1450		12880	14168	15456	16744	18032	19320	20608	21896	23184	24472	25760
1520		14154	15569	16985	18400	19815	21231	22646	24061	25477	26892	28308
1590				18585	20134	21682	23231	24780	26329	27877	29426	30975
1660				20257	21945	23634	25322	27010	28698	30386	32074	33762
1740				22257	24112	25966	27821	29676	31531	33385	35240	37095
1810				24084	26091	28098	30105	32112	34119	36126	38132	40139
1890				26260	28448	30636	32825	35013	37201	39390	41578	43766
1960				28241	30594	32948	35301	37654	40008	42361	44715	47068
2030				30294	32819	35343	37868	40392	42917	45441	47966	50490
2100				32419	35121	37823	40524	43226	45927	48629	51331	54032

No of Bricks / Ring	Z60	Z80	Z10	Z12
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			27	27
				28
				29

* Highlighted cells are recommended sizes

Density = 7.8 g/cm³

RISER MODULUS CHART (cm)

Proposal for Use of Isotherm Cycloid Elements

RISER DIAMETER (mm)	RISER HEIGHT (mm)															
	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	
200	5.4	5.9	6.2													
240	6.0	6.8	7.2	7.4												
280	6.7	7.6	8.1	8.5	8.7											
320		8.3	8.9	9.4	9.7											
350		9.0	9.8	10.3	10.7	10.9										
390		9.6	10.6	11.2	11.6	11.9	12.3									
430			11.2	12.0	12.5	12.8	13.1									
470			11.9	12.7	13.3	13.7	14.1	14.4								
500			12.5	13.5	14.2	14.6	15.0	15.3	15.6							
540			13.1	14.1	14.9	15.5	16.0	16.1	16.7	17.0						
580				14.8	15.7	16.3	16.9	17.3	17.7	18.0						
615				15.3	16.3	17.1	17.7	18.2	18.6	18.9	19.0					
640				15.9	16.9	17.8	18.5	19.0	19.5	19.8	20.0	20.5				
690				16.6	17.6	18.6	19.3	19.8	20.3	20.7	21.0	21.4				
725					18.3	19.3	20.0	20.6	21.2	21.5	21.8	22.2				
760					18.7	19.6	20.7	21.4	21.9	22.3	22.7	23.0	23.3			
800						20.4	21.4	22.1	22.7	23.1	23.6	23.9	24.3			
840						21.6	22.1	22.9	23.5	24.0	24.5	24.9				
870						22.0	22.9	23.6	24.3	24.8						
910							23.6	24.3	25.0	25.6						
950							24.3	25.0	25.8							
980							25.0									
840												25.3	25.6	25.8		
885											25.8	26.1	26.4	26.8	27.0	
930										26.2	25.8	27.2	27.6	27.9	28.3	
975									26.5	27.2	27.6	28.2	28.7	29.0	29.4	
1030								26.5	27.4	28.0	28.7	29.3	29.8	30.2	30.6	
1080								27.3	28.2	29.0	29.7	30.3	30.8	31.2	31.7	
1120								28.2	29.1	30.3	30.7	31.3	31.9	32.4		
1170								28.9	30.0	30.9	31.6	32.3				
1220								29.7	30.8	31.7	32.5	33.2				
1260								31.6	32.6							

No of Bricks / Ring	Z@&Z2	Z40	Z60
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25			25
26			26
27			27

* Highlighted cells are recommended sizes

Density = 7.86 g/cm³

RISER WEIGHT CHART (kg)

Proposal for Use of Isotherm Cycloid Elements

RISER DIAMETER (mm)	RISER HEIGHT (mm)															
	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	
200	49	74	98	123	147											
240	71	106	141	176	212											
280	96	144	192	240	288	336										
320	125	188	251	314	376	439	502									
350	150	225	300	375	450	525	600									
390		280	373	466	559	652	745	839								
430		340	453	566	680	793	906	1019	1133							
470		406	541	677	812	947	1083	1218	1353	1489						
500			613	766	919	1072	1225	1378	1532	1685						
540			715	893	1072	1250	1429	1608	1786	1965	2144					
580			824	1030	1236	1443	1649	1855	2061	2267	2473	2679				
615			927	1159	1390	1622	1854	2085	2317	2549	2780	3012				
640				1255	1506	1756	2007	2258	2509	2760	3011	3262				
690				1458	1750	2042	2333	2625	2917	3208	3500	3792	4083			
725				1610	1932	2254	2576	2898	3220	3542	3864	4186	4508			
760				1769	2123	2477	2831	3185	3538	3892	4246	4600	4954			
800					2352	2744	3137	3529	3921	4313	4705	5097	5489			
840					2594	3026	3458	3890	4323	4755	5187	5619	6052			
870						3246	3709	4173	4637	5101	5564	6028	6492			
910						3551	4058	4566	5073	5580	6088	6595	7102			
950						3870	4423	4976	5529	6082	6635	7187	7740	8293	8846	
980							4707	5295	5884	6472	7060	7649	8237	8825	9414	
840							3458	3890	4323	4755	5187	5619	6052	6484	6916	
885							3838	4318	4798	5278	5758	6238	6717	7197	7677	
930								4769	5298	5828	6358	6888	7418	7948	8478	
975								5241	5824	6406	6988	7571	8153	8735	9318	
1030								5849	6499	7149	7799	8449	9099	9749	10399	
1080								6431	7145	7860	8575	9289	10004	10718	11433	
1120								6916	7685	8453	9222	9990	10758	11527	12295	
1170								7547	8386	9225	10063	10902	11740	12579	13418	
1220								8206	9118	10030	10942	11854	12765	13677		
1260								8753	9726	10698	11671	12644				

No of Bricks / Ring	Z1 & Z2	Z3 & Z4	Z5 & Z6
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22			22
23			23
24			24
25			25
26			26
27			27

* Highlighted cells are recommended sizes

Density = 7.8 g/cm³