

Ring sidewall pattern layout

Number of divisions for equal height-width layout at ring ID

Number of divisions for 1.62 width to height ratio layout (~golden mean) at ring side wall CL

Ring Size	ID In.	ID mm.	Circ. In.	Circ. mm.	pattern height	Number of divisions for equal height-width layout at ring ID					Number of divisions for 1.62 width to height ratio layout (~golden mean) at ring side wall CL				
					mm -->	1	1.2	1.5	1.8	2	1	1.2	1.5	1.8	2
4	0.585	14.86	1.838	46.68		46	38	31	25	23	30	25	21	17	16
5	0.618	15.70	1.942	49.32		49	41	32	27	24	32	27	22	18	17
6	0.650	16.51	2.042	51.87		51	43	34	28	25	33	28	23	19	17
7	0.683	17.35	2.146	54.51		54	45	36	30	27	35	29	24	20	18
8	0.716	18.19	2.249	57.15		57	47	38	31	28	37	31	25	21	19
9	0.748	18.99	2.350	59.66		59	49	39	33	29	38	32	26	22	20
10	0.781	19.84	2.454	62.33		62	51	41	34	31	40	34	27	23	21
11	0.814	20.68	2.557	64.97		64	54	43	36	32	42	35	28	24	21
12	0.846	21.41	2.658	67.26		67	56	44	37	33	43	36	29	25	22

Example: For a size 7 plain ring band made of 2x5mm stock.

You decide to incorporate a narrow border into the design reserving 0.25mm on each side of the central design.

The remaining ring side wall height for the design is 2mm – (0.25+0.25)mm = 1.5mm

The left table shows there are 36 equal 1.5x1.5mm design elements spaced around the ring

If your design is more rectangular, select from the right table – 24 equal design elements approx. 2.4x1.5mm

Select the appropriate ring divider template, center the ring and mark it

Ring face pattern layout

Number of divisions for equal height - width layout

Ring Size	ID In.	ID MM.	ID Circ. In.	ID Circ. MM.	Pattern width mm -->	3			4			5		
						ring band thickness -->	1	1.5	2	1	1.5	2	1	1.5
4	0.585	14.86	1.838	46.68		17	18	19	13	14	14	10	11	11
5	0.618	15.70	1.942	49.32		18	19	20	13	14	15	11	11	12
6	0.650	16.51	2.042	51.87		19	20	21	14	15	16	11	12	12
7	0.683	17.35	2.146	54.51		20	21	22	15	15	16	12	12	13
8	0.716	18.19	2.249	57.15		21	22	23	15	16	17	12	13	13
9	0.748	18.99	2.350	59.66		21	23	24	16	17	18	13	13	14
10	0.781	19.84	2.454	62.33		22	23	24	17	17	18	13	14	14
11	0.814	20.68	2.557	64.97		23	24	25	17	18	19	14	14	15
12	0.846	21.41	2.658	67.26		24	25	26	18	19	19	14	15	15

Example: For a size 7 plain ring band made of 2x5mm stock.
 You decide to incorporate a millgrain border into the design reserving 0.5mm on each side of the central design.
 The remaining ring width for the design is 5mm – (0.5+0.5)mm = 4mm
 The table above shows there will be 16 equal 4x4mm design elements spaced around the ring
 Select the appropriate ring divider template, center the ring and mark it