




IGS MM to Carat Estimate Reference

The carat weights given for standard gem sizes in the following chart apply to [diamonds](#) cut to [ideal proportions](#). <https://www.gemsociety.org/article/standard-gem-sizes-chart/>

Rounds		Squares		Ovals	
Size	Weight	Size	Weight	Size	Weight
1.6 mm	.02 carat	5 mm	.75 carat	5 x 3 mm	.25 carat
2 mm	.03 carat	6 mm	1.3 carat	6 x 4 mm	.5 carat
2.5 mm	.06 carat	7 mm	2.05 carat	7 x 5 mm	1.0 carat
3 mm	.10 carat	8 mm	2.9 carat	8 x 6 mm	1.5 carat
3.5 mm	.16 carat	9 mm	4.4 carat	9 x 7 mm	2.5 carat
4 mm	.25 carat	10 mm	6.0 carat	10 x 8 mm	3.0 carat
4.5 mm	.33 carat	11 mm	8.0 carat	11 x 9 mm	4.0 carat
5 mm	.50 carat	12 mm	10.35 carat	12 x 10 mm	5.0 carat
5.5 mm	.65 carat	13 mm	13.2 carat	14 x 10 mm	6.0 carat
6 mm	.75 carat	14 mm	16.5 carat	14 x 12 mm	8.0 carat
6.5 mm	1.0 carat	15 mm	20.25 carat	16 x 12 mm	10.5 carat
7 mm	1.25 carat	16 mm	24.6 carat	18 x 13 mm	14.2 carat
8 mm	2.0 carat	20 x 15 mm	20.3 carat		
9 mm	2.75 carat	22 x 15 mm	23.5 carat		
10 mm	3.5 carat	23 x 17 mm	32.2 carat		
11 mm	4.6 carat	25 x 18 mm	43.0 carat		
12 mm	6.0 carat	27 x 20 mm	58.5 carat		
13 mm	7.75 carat	30 x 22 mm	79.6 carat		
14 mm	9.65 carat				
15 mm	11.85 carat				
16 mm	14.35 carat				
17 mm	17.25 carat				

18 mm	20.5 carat
19 mm	24.0 carat
20 mm	28.0 carat
21 mm	34.8 carat
22 mm	41.8 carat
23 mm	49.8 carat
24 mm	57.9 carat
25 mm	68.7 carat

Emerald		Pear		Marquis	
6 x 4 mm	.5 carat	6 x 5 mm	.7 carat	4 x 2 mm	.10 carat
7 x 5 mm	1.0 carat	7 x 5 mm	.75 carat	5 x 2.5 mm	.25 carat
8 x 6 mm	1.5 carat	8 x 5 mm	1.0 carat	6 x 3 mm	.30 carat
9 x 7 mm	2.5 carat	9 x 6 mm	1.5 carat	8 x 4 mm	.75 carat
10 x 8 mm	3.0 carat	10 x 7 mm	2.0 carat	10 x 5 mm	1.0 carat
11 x 9 mm	4.0 carat	11 x 7 mm	2.25 carat	12 x 6 mm	2.0 carat
12 x 10 mm	5.0 carat	12 x 8 mm	3.0 carat	14 x 7 mm	3.0 carat
14 x 10 mm	6.0 carat	13 x 9 mm	3.5 carat	16 x 8 mm	4.0 carat
14 x 12 mm	8.0 carat	15 x 10 mm	5.5 carat	18 x 9 mm	6.0 carat
16 x 12 mm	10.5 carat	16 x 12 mm	8.6 carat	20 x 10 mm	8.5 carat
18 x 13 mm	14.2 carat	18 x 13 mm	12 carat		
20 x 15 mm	20.3 carat	20 x 15 mm	17.3 carat		
25 x 18 mm	52.2 carat	22 x 15 mm	18.7 carat		
25 x 18 mm	30.6 carat				
30 x 22 mm	54.5 carat				