



	Diamond	Corundum	Emerald
Specific Gravity	3.52 (+/-0.01)	4.00 (+/- 0.05)	2.72
Refractive Index	2.42	1.762 - 1.770	1.577 to 1.583
Birefringence	None	0.008 to 0.010	0.005 to 0.009



Round	Diamond	Corundum	Emerald
2.0mm	0.03ct	0.04ct	0.03ct
2.5mm	0.06ct	0.08ct	0.06ct
3.0mm	0.10ct	0.15ct	0.10ct
3.5mm	0.16ct	0.22ct	0.15ct
4.0mm	0.22ct	0.34ct	0.22ct
4.5mm	0.33ct	0.45ct	0.32ct
5.0mm	0.45ct	0.66ct	0.45ct
5.5mm	0.59ct	0.83ct	0.57ct
6.0mm	0.77ct	1.09ct	0.72ct
6.5mm	1.00ct	1.36ct	0.95ct
7.0mm	1.25ct	1.64ct	1.10ct
7.5mm	1.55ct	2.12ct	1.40ct
8.0mm	1.85ct	2.50ct	1.75ct



Marquise	Diamond	Corundum	Emerald
4x2	0.10ct	0.12ct	0.08ct
4.5x2.5	0.13ct	0.15ct	0.10ct
5x2.5	0.18ct	0.20ct	0.12ct
5x3	0.21ct	0.24ct	0.16ct
6x3	0.25ct	0.29ct	0.21ct
7x3.5	0.35ct	0.45ct	0.32ct
8x4	0.73ct	0.75ct	0.50ct
9x4.5	0.90ct	1.00ct	0.65ct
10x5	1.00ct	1.30ct	0.95ct
12x6	2.00ct	2.06ct	1.50ct



Oval	Diamond	Corundum	Emerald
5x3	0.25ct	0.29ct	0.20ct
6x4	0.52ct	0.59ct	0.40ct
7x5	0.93ct	1.06ct	0.66ct
8x6	1.45ct	1.65ct	1.13ct
9x7	2.07ct	2.36ct	1.60ct
10x8	3.08ct	3.50ct	2.40ct
11x9	4.31ct	4.90ct	3.40ct
12x10	5.98ct	6.80ct	4.10ct



Trillion	Diamond	Corundum	Emerald
3x3	0.11ct	0.12ct	0.09ct
4x4	0.27ct	0.32ct	0.22ct
5x5	0.52ct	0.65ct	0.43ct
6x6	0.91ct	0.95ct	0.68ct
7x7	1.43ct	1.60ct	1.10ct
8x8	1.77ct	2.00ct	1.55ct
9x9	3.04ct	3.42ct	2.25ct



Pear	Diamond	Corundum	Emerald
5x3	0.22ct	0.25ct	0.20ct
6x4	0.46ct	0.53ct	0.35ct
7x5	0.76ct	0.87ct	0.58ct
8x5	0.90ct	1.02ct	0.76ct
9x6	1.42ct	1.62ct	1.05ct
10x7	2.14ct	2.43ct	1.59ct
11x9	3.72ct	4.18ct	3.00ct



Octagon	Diamond	Corundum	Emerald
5x3	0.25ct	0.35ct	0.25ct
6x4	0.50ct	0.70ct	0.48ct
7x5	1.00ct	1.30ct	0.87ct
8x6	1.76ct	2.00ct	1.35ct
9x7	2.70ct	3.10ct	2.16ct
10x8	3.90ct	4.40ct	3.00ct
11x9	5.50ct	6.18ct	4.00ct
12x10	7.40ct	8.30ct	5.10ct



Square	Diamond	Corundum	Emerald
2x2	0.06ct	0.06ct	0.04ct
3x3	0.20ct	0.22ct	0.12ct
4x4	0.50ct	0.56ct	0.28ct
5x5	0.60ct	0.80ct	0.50ct



Baguette	Diamond	Corundum	Emerald
4x2	0.11ct	0.14ct	0.10ct
5x3	0.27ct	0.32ct	0.20ct
6x4	0.60ct	0.66ct	0.47ct
7x5	1.05ct	1.20ct	0.90ct

This document was created by Dimitri at Gemology Obsession. Please note that Carat conversion is a guide only. Gemstone depth may vary