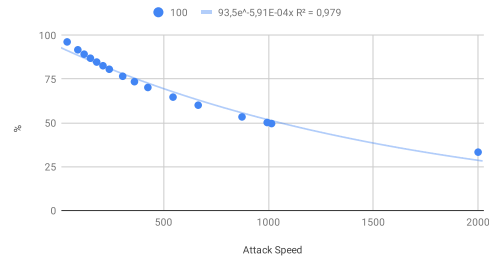


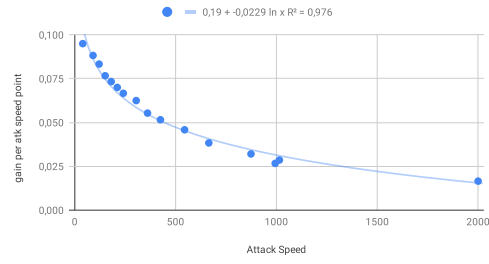
If you want to use the Calc sheet to compare crit and pen builds									
Go to : File -> Make a copy									
Enjoy !									
If you need more Options on the calc or if you have any questions, you can always pm me at Tygra#8786 on discord									
How to use the spreadsheet :									
- Every tab except "Calc" is a collection of values									
- You can use the switches in the "Calc" tab to select your offensive GS and style of weapons, the defensive GS, and multiple options (shields, charms, songs,...)									

Attack Speed	%	gain per atk speed point
0	100	
40	96,2	0,095
91	91,7	0,08823529412
121	89,2	0,08333333333
151	86,9	0,07666666667
181	84,7	0,07333333333
211	82,6	0,07
241	80,6	0,06666666667
305	76,6	0,0625
361	73,5	0,05535714286
425	70,2	0,0515625
545	64,7	0,04583333333
665	60,1	0,03833333333
874	53,4	0,03205714287
994	50,2	0,02666666667
1015	49,6	0,02857142857
2000	33,3	0,01654822335

% per Attack Speed

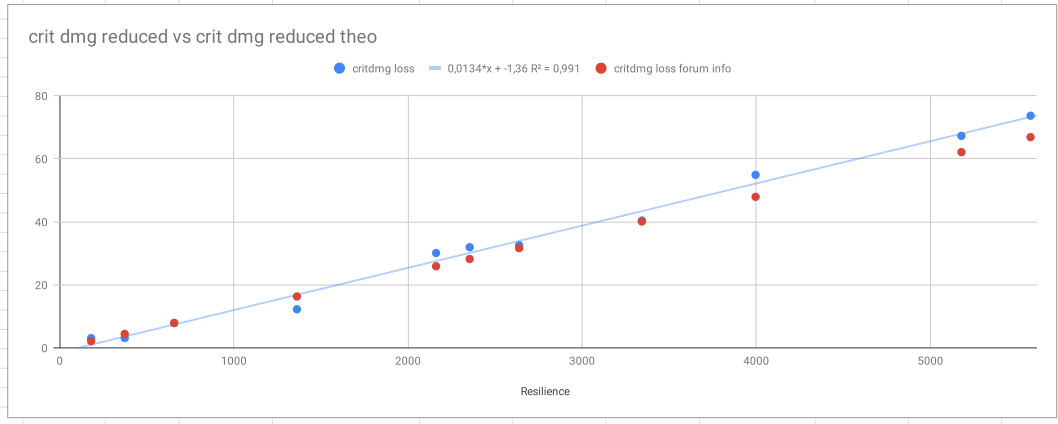


gain per atk speed point per Attack Speed

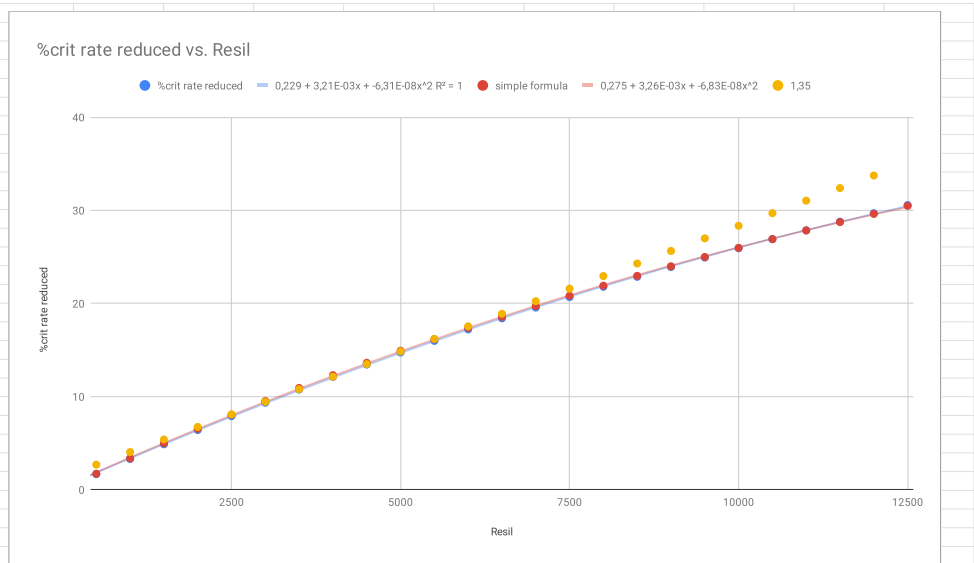


atkspd theo	%	% calc	aps multi
0	100	100	1
500	66,7	66,6666667	1,5
1000	50	50	2
2000	33,3	33,33333333	3

Resilience	non crit	crit	crit theo	%crit dmg th	real critdmg	critdmg loss	critdmg loss forum info
0							
180	1381,75	4199,8	4243,35425	207,1	203,9478922	3,152107834	2,16
373	1178,857143	3583	3620,270286	207,1	203,9384392	3,161560834	4,476
657	1079,666667	3229,5	3315,656333	207,1	199,1200988	7,979901204	7,884
1362	834,0714286	2459	2561,433357	207,1	194,8188747	12,28112529	16,344
2161	1171,666667	3245,111111	3598,188333	207,1	176,9653864	30,13461356	25,932
2354	1106,166667	3043,4	3397,037833	207,1	175,13033	31,96967003	28,248
2638	994,9130435	2731	3055,377957	207,1	174,496351	32,603649	31,656
3343	771,3913043	2057	2368,942696	207,1	166,6610303	40,43896968	40,116
3996	1147	2892,428571	3522,437	207,1	152,1733715	54,92662847	47,952
5178	790,5714286	1895,777778	2427,844857	207,1	139,7984179	67,30158214	62,136
5575	789,3333333	1842,333333	2424,042667	207,1	133,4037162	73,69628378	66,9
577	1423,333333	2835,5	2949,146667	107,2	99,21545667	7,984543326	6,924
1759	935,5	1724,166667	1938,356	107,2	84,3042936	22,8957064	21,108
3740	886,75	1378	1837,346	107,2	55,39892867	51,80107133	44,88



Resil	%crit rate reduced	simple formula	kr info
500	1,68	1,724137931	1,35
1000	3,31	3,389830508	2,7
1500	4,89	5	4,05
2000	6,42	6,557377049	5,4
2500	7,91	8,064516129	6,75
3000	9,35	9,523809524	8,1
3500	10,76	10,9375	9,45
4000	12,12	12,30769231	10,8
4500	13,45	13,63636364	12,15
5000	14,74	14,92537313	13,5
5500	15,99	16,17647059	14,85
6000	17,22	17,39130435	16,2
6500	18,41	18,57142857	17,55
7000	19,57	19,71830986	18,9
7500	20,69	20,83333333	20,25
8000	21,8	21,91780822	21,6
8500	22,87	22,97297297	22,95
9000	23,92	24	24,3
9500	24,94	25	25,65
10000	25,94	25,97402597	27
10500	26,91	26,92307692	28,35
11000	27,86	27,84810127	29,7
11500	28,79	28,75	31,05
12000	29,7	29,62962963	32,4
12500	30,58	30,48780488	33,75



Type	Armure	Dmg reduc	Resilience	Toughness	Block	Parry	Eva	Shield	Type	Off choice	Attack	Crit Chance	Crit Multi	Pen	Multiplier
weak 3kGS	1542,0	0,0	500,0	100,0	0,0	19,6	0,3	2182	3kGS DW	1	547	33,2	60,4	0	4
mid 3kGS	4271,0	0,0	500,0	100,0	0,0	19,6	0,3	2182		2	547	29,4	60,4	411	4
strong 3kGS	8609,0	0,0	500,0	100,0	0,0	19,6	0,3	2182		3	547	33,2	50	411	4
weak 5kGS	1972,0	13,2	6350,0	2500,0	0,0	33,1	0,8	2849	5kGS DW	1	985	55,7	106,5	570	4
mid 5kGS	5481,0	13,2	6350,0	2500,0	0,0	33,1	0,8	2849		2	985	44,8	106,5	1941	4
strong 5kGS	11059,0	13,2	6350,0	2500,0	0,0	33,1	0,8	2849		3	985	57,7	50	2375	4
weak 7kGS	2436,0	13,2	7676,0	2822,0	0,0	37,4	1,0	3713	7kGS DW	1	1252	73,4	187,6	680	4
mid 7kGS	6864,0	13,2	7676,0	2822,0	0,0	37,4	1,0	3713		2	1252	59,4	187,6	2320	4
strong 7kGS	13908,0	13,2	7676,0	2822,0	0,0	37,4	1,0	3713		3	1252	75,4	50	4364	4
weak 10kGS	3515,0	17,2	9729,0	3642,0	0,0	44,6	1,0	5290	10kGS DW	1	1507	86	236,7	957	4
mid 10kGS	10063,0	17,2	9729,0	3642,0	0,0	44,6	1,0	5290		2	1507	69,9	236,7	2764	4
strong 10kGS	20473,0	17,2	9729,0	3642,0	0,0	44,6	1,0	5290		3	1507	88	50	7423	4
weak 15kGS	4100	22	12000	3800	0	64	7	6124	15kGS DW	1	1800	98,2	265,7	961	4
mid 15kGS	12500	22	12000	3800	0	64	7	6124		2	1800	80,5	265,7	2953	4
strong 15kGS	21500	22	12000	3800	0	64	7	6124		3	1800	100,2	50	8832	4
									3kGS 2H	1	566	32	57,9	0	9
										2	566	29,1	57,9	303	9
										3	566	32	50	303	9
									5kGS 2H	1	1020	51,7	108,6	570	9
										2	1020	43,7	108,6	1533	9
										3	1020	53,7	50	2177	9
									7kGS 2H	1	1296	68,1	180,6	680	9
										2	1296	58,1	180,6	1846	9
										3	1296	70,1	50	4100	9
									10kGS 2H	1	1558	81,7	224,8	957	9
										2	1558	68,6	224,8	2290	9
										3	1558	83,7	50	6956	9
									15kGS 2H	1	1825	92,4	236,8	1666	9
										2	1825	79	236,8	3129	9
										3	1825	94,4	50	7421	9

Defense		mid 10KGS		SongDef		No		Shield		No		Focus		0	
Offense		10kGS DW		Zeal		No		Class		Ranger		Charm		No	
CritCh/CritDmg (CritDmg)				Pen/CritDmg (CritDmg)				CritCh/Pen (Pen)							
Armor	10063.0	56.02	%	Armor	10063.0	56.02	%	Armor	10063.0	56.02	%				
Dmg reduc	17.2	%		Dmg reduc	17.2	%		Dmg reduc	17.2	%					
Resi	9729.0	26.2683	% reduced CritChance	Resi	9729.0	26.27	% reduced CritChance	Resi	9729.0	26.27	% reduced CritChance				
	9729.0	121.61	% reduced CritDmg		9729.0	121.61	% reduced CritDmg		9729.0	121.61	% reduced CritDmg				
Tough	3642.0	31.55	% reduced Dmg	Tough	3642.0	31.55	% reduced Dmg	Tough	3642.0	31.55	% reduced Dmg				
Block	0.0	%		Block	0.0	%		Block	0.0	%					
Eva	1.0	%		Eva	1.0	%		Eva	1.0	%					
Parry	44.6	%		Parry	44.6	%		Parry	44.6	%					
Attack	1507			Attack	1507			Attack	1507						
Crit Chance	89	%		Crit Chance	72.9	%		Crit Chance	91	%					
Crit Multi	236.7	%		Crit Multi	236.7	%		Crit Multi	50	%					
Pen	957			Pen	2764			Pen	7423						
Multiplier	24	%		Multiplier	24	%		Multiplier	24	%					
Dmg	562,72			Dmg	583,19			Dmg	764,00						
	+0%				+3,64%				+35,77%						

		2H					DW									
		Moyenne de SCORE		Off Choice			Moyenne de SCORE		Off Choice							
Def	Off	1	2	3	Def	Off	1	2	3	Mean of 128 values per score						
Mage	☒ Cloth 3kGS	3kGS	612.17	617.45	617.70	☒ Cloth 3kGS	3kGS	575.25	582.40	582.51						
		5kGS	1557.68	1585.28	1472.72		5kGS	1478.23	1513.56	1409.05						
		7kGS	2830.18	2844.86	2243.00		7kGS	2794.73	2787.11	2143.87						
		10kGS	4407.19	4325.96	3035.91		10kGS	4364.80	4296.13	2889.77						
	☒ Leather 3kGS	3kGS	520.07	522.28	522.49	☒ Leather 3kGS	3kGS	488.71	491.85	491.93						
		5kGS	1312.29	1335.15	1264.50		5kGS	1245.36	1288.07	1214.62						
		7kGS	2380.22	2412.31	2027.68		7kGS	2350.41	2399.89	1960.66						
		10kGS	3704.11	3722.71	2891.35		10kGS	3668.48	3732.33	2761.23						
	☒ Plate 3kGS	3kGS	421.76	421.65	421.82	☒ Plate 3kGS	3kGS	396.33	396.42	396.49						
		5kGS	1055.05	1055.77	988.15		5kGS	1001.23	1010.53	949.29						
		7kGS	1910.26	1896.12	1608.57		7kGS	1886.33	1875.60	1565.23						
		10kGS	2959.15	2909.38	2501.51		10kGS	2930.68	2916.97	2424.61						
	☒ Cloth 5kGS	3kGS	345.40	351.25	355.01	☒ Cloth 5kGS	3kGS	321.30	328.94	333.56						
		5kGS	738.35	776.14	810.39		5kGS	690.02	742.81	770.82						
		7kGS	1314.91	1360.13	1200.32		7kGS	1287.81	1342.71	1144.74						
		10kGS	2039.35	2067.03	1615.52		10kGS	2017.27	2055.87	1524.78						
	☒ Leather 5kGS	3kGS	283.99	287.39	290.47	☒ Leather 5kGS	3kGS	264.18	268.65	272.42						
		5kGS	601.38	628.03	658.57		5kGS	562.02	601.23	628.82						
		7kGS	1068.91	1100.86	1033.24		7kGS	1046.88	1094.19	990.97						
		10kGS	1649.47	1683.47	1488.00		10kGS	1631.61	1700.36	1416.95						
	☒ Plate 5kGS	3kGS	222.72	224.31	226.72	☒ Plate 5kGS	3kGS	207.18	209.32	212.26						
		5kGS	467.33	479.67	496.43		5kGS	436.75	455.47	471.96						
		7kGS	829.12	835.60	765.95		7kGS	812.03	822.25	736.54						
		10kGS	1273.31	1265.91	1201.43		10kGS	1259.52	1265.53	1159.46						
	☒ Cloth 7kGS	3kGS	317.32	322.43	325.76	☒ Cloth 7kGS	3kGS	295.13	301.81	305.88						
		5kGS	653.30	690.52	741.13		5kGS	610.89	660.53	706.52						
		7kGS	1124.79	1170.23	1107.93		7kGS	1098.86	1159.37	1054.21						
		10kGS	1737.36	1778.91	1531.36		10kGS	1717.53	1781.84	1443.22						
	☒ Leather 7kGS	3kGS	252.14	254.83	257.45	☒ Leather 7kGS	3kGS	234.51	238.05	241.26						
		5kGS	513.75	535.92	574.76		5kGS	480.39	512.46	547.66						
		7kGS	882.64	908.02	898.49		7kGS	862.29	898.82	862.23						
		10kGS	1355.80	1379.23	1349.53		10kGS	1340.33	1388.57	1290.51						
	☒ Plate 7kGS	3kGS	191.35	192.43	194.42	☒ Plate 7kGS	3kGS	177.97	179.44	181.86						
		5kGS	386.21	395.82	418.91		5kGS	361.14	375.38	397.43						
		7kGS	662.26	666.44	633.83		7kGS	646.99	653.06	607.40						
		10kGS	1012.29	1002.78	990.30		10kGS	1000.74	998.71	958.10						
	☒ Cloth 10kGS	3kGS	253.88	257.58	260.06	☒ Cloth 10kGS	3kGS	236.06	240.89	243.94						
		5kGS	510.09	540.56	586.50		5kGS	477.91	519.05	557.50						
		7kGS	804.76	848.53	901.25		7kGS	782.72	835.80	858.88						
		10kGS	1233.09	1275.71	1260.78		10kGS	1217.49	1279.59	1200.89						
☒ Leather 10kGS	3kGS	188.74	190.31	192.14	☒ Leather 10kGS	3kGS	175.49	177.57	179.82							
	5kGS	374.73	388.20	418.03		5kGS	351.09	370.33	396.98							
	7kGS	589.77	605.62	642.78		7kGS	573.62	595.31	617.36							
	10kGS	898.02	908.77	992.09		10kGS	886.66	909.09	960.81							
☒ Plate 10kGS	3kGS	135.16	135.61	136.91	☒ Plate 10kGS	3kGS	125.68	126.30	127.90							
	5kGS	265.81	270.57	287.61		5kGS	249.04	256.03	271.98							
	7kGS	417.55	419.51	422.37		7kGS	406.11	408.35	402.69							
	10kGS	632.67	623.77	622.50		10kGS	624.66	617.54	601.95							
Melee	Moyenne de SCORE		Off Choice			Moyenne de SCORE		Off Choice								
	Def	Off	1	2	3	Def	Off	1	2	3						
	☒ Cloth 3kGS	3kGS	603.15	608.75	608.95	☒ Cloth 3kGS	3kGS	565.46	571.78	571.86						
		5kGS	1457.61	1453.86	1360.87		5kGS	1378.93	1378.03	1295.98						
		7kGS	2539.44	2498.11	1965.46		7kGS	2493.11	2430.98	1874.31						
		10kGS	3842.68	3713.12	2606.40		10kGS	3787.48	3643.99	2459.37						
	☒ Leather 3kGS	3kGS	507.51	512.84	513.01	☒ Leather 3kGS	3kGS	475.79	482.85	482.92						
		5kGS	1235.28	1263.55	1204.54		5kGS	1168.60	1213.44	1151.45						
		7kGS	2160.13	2191.70	1835.06		7kGS	2120.72	2157.59	1753.04						
		10kGS	3301.34	3293.65	2512.58		10kGS	3253.93	3278.74	2395.30						
	☒ Plate 3kGS	3kGS	403.38	405.37	405.51	☒ Plate 3kGS	3kGS	378.17	380.89	380.95						
		5kGS	971.45	987.51	944.32		5kGS	919.01	947.92	905.89						
		7kGS	1695.07	1712.37	1511.61		7kGS	1664.15	1695.81	1455.99						
		10kGS	2579.93	2587.34	2236.97		10kGS	2542.87	2597.18	2149.27						
	☒ Cloth 5kGS	3kGS	319.80	325.37	327.77	☒ Cloth 5kGS	3kGS	297.09	304.30	307.24						
		5kGS	656.57	683.16	701.57		5kGS	611.90	646.16	661.12						
		7kGS	1075.40	1098.68	996.36		7kGS	1040.40	1061.90	939.03						
		10kGS	1580.99	1576.73	1288.16		10kGS	1545.60	1545.18	1213.20						
	☒ Leather 5kGS	3kGS	258.67	263.29	265.23	☒ Leather 5kGS	3kGS	240.29	246.27	248.65						
		5kGS	531.41	565.20	589.62		5kGS	495.25	538.64	559.49						
		7kGS	870.43	913.56	889.73		7kGS	842.10	896.93	844.25						
		10kGS	1285.55	1330.37	1216.89		10kGS	1256.77	1325.96	1151.67						
	☒ Plate 5kGS	3kGS	198.62	201.01	202.50	☒ Plate 5kGS	3kGS	184.51	187.62	189.43						
		5kGS	403.57	420.65	438.24		5kGS	376.11	400.59	415.59						
		7kGS	659.56	679.56	676.49		7kGS	638.09	666.36	647.87						
		10kGS	968.43	988.47	1008.10		10kGS	946.75	983.35	963.75						
	☒ Cloth 7kGS	3kGS	286.23	290.96	292.89	☒ Cloth 7kGS	3kGS	265.82	271.93	274.30						
		5kGS	569.26	601.64	633.39		5kGS	530.47	572.27	595.69						
		7kGS	895.76	936.62	903.85		7kGS	862.65	905.27	853.65						
		10kGS	1304.06	1330.70	1180.08		10kGS	1270.72	1298.19	1108.80						
	☒ Leather 7kGS	3kGS	222.15	225.81	227.31	☒ Leather 7kGS	3kGS	206.31	211.04	212.87						
		5kGS	441.72	469.01	502.86		5kGS	411.62	450.07	475.89						
		7kGS	694.98	734.16	764.73		7kGS	669.29	721.98	727.89						
		10kGS	1011.25	1060.29	1067.82		10kGS	985.40	1049.91	1010.89						
	☒ Plate 7kGS	3kGS	164.97	166.72	167.82	☒ Plate 7kGS	3kGS	153.21	155.47	156.82						
		5kGS	324.37	337.17	355.72		5kGS	302.27	320.33	336.38						
		7kGS	509.19	523.78	535.48		7kGS	490.37	510.42	511.48						
		10kGS	736.57	749.67	821.04		10kGS	717.74	740.94	794.90						
	☒ Cloth 10kGS	3kGS	218.15	222.90	224.13	☒ Cloth 10kGS	3kGS	202.51	208.60	210.11						
		5kGS	428.80	453.60	486.75		5kGS	399.74	434.56	460.45						
	7kGS	623.85	660.96	698.85		7kGS	596.25	647.16	659.86							
	10kGS	885.08	933.62	950.59		10kGS	857.26	918.02	896.82							
☒ Leather 10kGS	3kGS	157.77	159.99	160.87	☒ Leather 10kGS	3kGS	146.46	149.31	150.39							
	5kGS	306.07	322.22	344.06		5kGS	285.33	307.78	325.59							
	7kGS	445.12	468.49	523.14		7kGS	425.43	457.35	497.35							

	10kGS	630.76	659.57	772.74		10kGS	610.93	653.08	736.89
⊖ Plate 10kGS	3kGS	110.56	111.47	112.08	⊖ Plate 10kGS	3kGS	102.63	103.81	104.56
	5kGS	212.13	218.79	230.08		5kGS	197.75	207.01	216.65
	7kGS	307.81	315.81	333.70		7kGS	294.19	304.74	316.59
	10kGS	433.70	439.83	491.82		10kGS	420.07	430.14	474.93

Ranger

Moyenne de SCORE					Moyenne de SCORE				
Def	Off	Off Choice			Def	Off	Off Choice		
		1	2	3			1	2	3
⊖ Cloth 3kGS	3kGS	638.49	646.30	645.53	⊖ Cloth 3kGS	3kGS	602.47	612.84	611.71
	5kGS	1564.29	1607.82	1505.86		5kGS	1487.92	1543.24	1444.64
	7kGS	2743.37	2787.13	2262.71		7kGS	2708.44	2739.61	2167.62
	10kGS	4186.79	4157.12	3033.02		10kGS	4150.82	4140.96	2896.76
⊖ Leather 3kGS	3kGS	542.43	546.69	546.04	⊖ Leather 3kGS	3kGS	511.83	517.55	516.59
	5kGS	1317.86	1354.13	1292.95		5kGS	1253.52	1313.32	1245.30
	7kGS	2307.21	2363.36	2045.50		7kGS	2277.84	2358.99	1982.38
	10kGS	3518.87	3577.42	2888.60		10kGS	3488.64	3597.52	2767.90
⊖ Plate 3kGS	3kGS	439.90	441.36	440.83	⊖ Plate 3kGS	3kGS	415.08	417.14	416.37
	5kGS	1059.52	1070.78	1010.39		5kGS	1007.80	1030.35	973.27
	7kGS	1851.66	1857.65	1622.71		7kGS	1828.09	1843.64	1582.57
	10kGS	2811.16	2795.83	2499.13		10kGS	2787.01	2811.61	2430.46
⊖ Cloth 5kGS	3kGS	335.68	342.52	345.03	⊖ Cloth 5kGS	3kGS	313.77	322.65	325.74
	5kGS	693.76	736.59	769.40		5kGS	650.36	709.34	733.43
	7kGS	1144.11	1202.34	1121.71		7kGS	1113.85	1186.77	1071.25
	10kGS	1696.50	1752.59	1491.60		10kGS	1669.11	1740.20	1411.42
⊖ Leather 5kGS	3kGS	276.01	280.25	282.30	⊖ Leather 5kGS	3kGS	257.99	263.51	266.04
	5kGS	565.06	596.03	625.25		5kGS	529.71	574.14	598.32
	7kGS	930.07	973.15	965.58		7kGS	905.47	967.11	927.35
	10kGS	1372.16	1427.38	1373.87		10kGS	1350.02	1439.28	1311.61
⊖ Plate 5kGS	3kGS	216.46	218.74	220.34	⊖ Plate 5kGS	3kGS	202.33	205.32	207.29
	5kGS	439.11	455.23	471.32		5kGS	411.64	434.95	449.07
	7kGS	721.42	738.66	715.79		7kGS	702.34	726.75	689.25
	10kGS	1059.24	1073.34	1109.27		10kGS	1042.14	1071.21	1073.26
⊖ Cloth 7kGS	3kGS	300.37	306.34	308.36	⊖ Cloth 7kGS	3kGS	280.68	288.41	290.91
	5kGS	601.17	641.69	683.79		5kGS	563.58	617.37	653.03
	7kGS	952.19	1007.63	1004.52		7kGS	922.90	996.87	956.63
	10kGS	1392.90	1457.05	1369.96		10kGS	1366.12	1454.24	1293.88
⊖ Leather 7kGS	3kGS	238.68	242.11	243.70	⊖ Leather 7kGS	3kGS	223.03	227.49	229.45
	5kGS	472.75	498.03	530.29		5kGS	443.19	478.98	506.20
	7kGS	747.20	781.85	814.63		7kGS	724.21	772.84	782.43
	10kGS	1086.99	1129.68	1207.30		10kGS	1066.09	1133.28	1156.97
⊖ Plate 7kGS	3kGS	181.13	182.83	184.03	⊖ Plate 7kGS	3kGS	169.25	171.48	172.96
	5kGS	355.39	367.83	386.50		5kGS	333.17	350.85	367.34
	7kGS	560.64	573.84	574.67		7kGS	543.39	561.52	551.19
	10kGS	811.59	821.34	885.92		10kGS	795.98	815.09	858.96
⊖ Cloth 10kGS	3kGS	230.74	235.07	236.37	⊖ Cloth 10kGS	3kGS	215.52	221.12	222.71
	5kGS	451.53	483.51	517.84		5kGS	423.52	466.47	492.83
	7kGS	660.09	708.42	780.05		7kGS	635.05	695.32	743.44
	10kGS	942.09	998.91	1074.57		10kGS	918.56	994.93	1025.08
⊖ Leather 10kGS	3kGS	171.54	173.68	174.64	⊖ Leather 10kGS	3kGS	160.22	163.00	164.17
	5kGS	331.71	347.22	369.09		5kGS	311.13	332.81	350.92
	7kGS	483.75	505.62	556.34		7kGS	465.40	495.25	534.38
	10kGS	686.09	711.59	845.57		10kGS	668.96	706.85	820.15
⊖ Plate 10kGS	3kGS	122.84	123.76	124.44	⊖ Plate 10kGS	3kGS	114.74	115.93	116.77
	5kGS	235.29	242.01	253.94		5kGS	220.70	230.10	240.43
	7kGS	342.49	350.24	365.57		7kGS	329.49	339.72	348.56
	10kGS	483.36	488.42	530.56		10kGS	471.29	480.16	513.83

