Using your SIII SS IRMH RETICLE

One Mil (MRAD) is equal to 10 centimeters (3.6 inches) at 100 meters.

Mil based reticles allow you to range targets to determine distance.
To determine the range of your target divide the height of the target in Mils divided by the Mils on the reticle x 100 meters.

Example: $\dfrac{\text{Target Height 5 Mils}}{\text{Target on Reticle=1 Mil x 100 Meters}}$ = $\dfrac{\text{5 Mils}}{\text{1Mil x 100 meter}}$ = 500 Meters

Resetting your Tactical Knobs to Zero

Your new SIII Scope is equipped with Tactical style Knobs.
To reset your knobs to zero after sight in Simply hold the knob
and remove the #20 Torx screw from the top of the windage or elevation knob by turning Counter Clockwise.
Retighten after seting the knob to the Zero Mark.
Do not over tighten

ILLUMINATED MIL-HASH RETICLE

All values in Mil at 100 meters.   *Data Valid for SIIISS1050x60LRIRMH @24x.

Magnification		10	11	12	13	14	15	16	17	18	19
Dimension A	Left to Right Windage Bars in Mil	24.000	21.818	20.000	18.462	17.143	16.000	15.000	14.118	13.333	12.632
Dimension B	Mil below center line	12.000	10.909	10.000	9.231	8.571	8.000	7.500	7.059	6.667	6.316
Dimension C	Mil distance of spacing	2.400	2.182	2.000	1.846	1.714	1.600	1.500	1.412	1.333	1.263
Dimension D	Diameter of W/E Centerline in Mil	0.062	0.057	0.052	0.048	0.045	0.042	0.039	0.037	0.035	0.033
Dimension E	Mil distance of spacing	1.200	1.091	1.000	0.923	0.857	0.800	0.750	0.706	0.667	0.632
Dimension F	Height and width of 1 Mil BARS Windage and Elevation	1.200	1.091	1.000	0.923	0.857	0.800	0.750	0.706	0.667	0.632
Dimension G	Height and width of .5 Mil BARS Windage and Elevation	0.600	0.545	0.500	0.462	0.429	0.400	0.375	0.353	0.333	0.316
Dimension H	Center Dot Diameter in Mils	0.175	0.159	0.146	0.135	0.125	0.117	0.110	0.103	0.097	0.092
Dimension I	Mil distance of spacing	0.600	0.545	0.500	0.462	0.429	0.400	0.375	0.353	0.333	0.316
Dimension J	Height and width of .25 Mil BARS Windage and Elevation	0.300	0.273	0.250	0.231	0.214	0.200	0.188	0.176	0.167	0.158

Magnification		20	21	22	23	24	25	26	27	28	29
Dimension A	Left to Right Windage Bars in Mil	12.000	11.429	10.909	10.435	10.000	9.600	9.231	8.889	8.571	8.276
Dimension B	Mil below center line	6.000	5.714	5.455	5.217	5.000	4.800	4.615	4.444	4.286	4.138
Dimension C	Mil distance of spacing	1.200	1.143	1.091	1.043	1.000	0.960	0.923	0.889	0.857	0.828
Dimension D	Diameter of W/E Centerline in Mil	0.031	0.030	0.028	0.027	0.026	0.025	0.024	0.023	0.022	0.022
Dimension E	Mil distance of spacing	0.600	0.571	0.545	0.522	0.500	0.480	0.462	0.444	0.429	0.414
Dimension F	Height and width of 1 Mil BARS Windage and Elevation	0.600	0.571	0.545	0.522	0.500	0.480	0.462	0.444	0.429	0.414
Dimension G	Height and width of .5 Mil BARS Windage and Elevation	0.300	0.286	0.273	0.261	0.250	0.240	0.231	0.222	0.214	0.207
Dimension H	Center Dot Diameter in Mils	0.088	0.083	0.080	0.076	0.073	0.070	0.067	0.065	0.063	0.060
Dimension I	Mil distance of spacing	0.300	0.286	0.273	0.261	0.250	0.240	0.231	0.222	0.214	0.207
Dimension J	Height and width of .25 Mil BARS Windage and Elevation	0.150	0.143	0.136	0.130	0.125	0.120	0.115	0.111	0.107	0.103

Magnification		30	31	32	33	34	35	36	37	38	39
Dimension A	Left to Right Windage Bars in Mil	8.000	7.742	7.500	7.273	7.059	6.857	6.667	6.486	6.316	6.154
Dimension B	Mil below center line	4.000	3.871	3.750	3.636	3.529	3.429	3.333	3.243	3.158	3.077
Dimension C	Mil distance of spacing	0.800	0.774	0.750	0.727	0.706	0.686	0.667	0.649	0.632	0.615
Dimension D	Diameter of W/E Centerline in Mil	0.021	0.020	0.020	0.019	0.018	0.018	0.017	0.017	0.016	0.016
Dimension E	Mil distance of spacing	0.400	0.387	0.375	0.364	0.353	0.343	0.333	0.324	0.316	0.308
Dimension F	Height and width of 1 Mil BARS Windage and Elevation	0.400	0.387	0.375	0.364	0.353	0.343	1.800	0.324	0.316	0.308
Dimension G	Height and width of .5 Mil BARS Windage and Elevation	0.200	0.194	0.188	0.182	0.176	0.171	0.167	0.162	0.158	0.154
Dimension H	Center Dot Diameter in Mil	0.058	0.057	0.055	0.053	0.052	0.050	0.049	0.047	0.046	0.045
Dimension I	Mil distance of spacing	0.200	0.194	0.188	0.182	0.176	0.171	0.167	0.162	0.158	0.154
Dimension J	Height and width of .25 Mil BARS Windage and Elevation	0.100	0.097	0.094	0.091	0.088	0.086	0.083	0.081	0.079	0.077

Magnification		40	41	42	43	44	45	46	47	48	49	50
Dimension A	Left to Right Windage Bars in Mil	6.000	5.854	5.714	5.581	5.455	5.333	5.217	5.106	5.000	4.898	4.800
Dimension B	Mil below center line	3.000	2.927	2.857	2.791	2.727	2.667	2.609	2.553	2.500	2.449	2.400
Dimension C	Mil distance of spacing	0.600	0.585	0.571	0.558	0.545	0.533	0.522	0.511	0.500	0.490	0.480
Dimension D	Diameter of W/E Centerline in Mil	0.016	0.015	0.015	0.015	0.014	0.014	0.014	0.013	0.013	0.013	0.012
Dimension E	Mil distance of spacing	0.300	0.293	0.286	0.279	0.273	0.267	0.261	0.255	0.250	0.245	0.240
Dimension F	Height and width of 1 Mil BARS Windage and Elevation	0.300	0.293	0.286	0.279	0.273	0.267	0.261	0.255	0.250	0.245	0.240
Dimension G	Height and width of .5 Mil BARS Windage and Elevation	0.150	0.146	0.143	0.140	0.136	0.133	0.130	0.128	0.125	0.122	0.120
Dimension H	Center Dot Diameter in Mil	0.044	0.043	0.042	0.041	0.040	0.039	0.038	0.037	0.037	0.036	0.035
Dimension I	Mil distance of spacing	0.150	0.146	0.143	0.140	0.136	0.133	0.130	0.128	0.125	0.122	0.120
Dimension J	Height and width of .25 Mil BARS Windage and Elevation	0.075	0.073	0.071	0.070	0.068	0.067	0.065	0.064	0.063	0.061	0.060

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