

Parameter	Minimum	Maximum	Starting value
k	0	1	0.5
Y	0.2	0.4	0.3
a_f	0	1	0.5
a_w	0	1	0.5
s_f	0	0.01	0.005

$a_r = 1 - (a_f + a_w)$, where $0 < a_r < 1$
