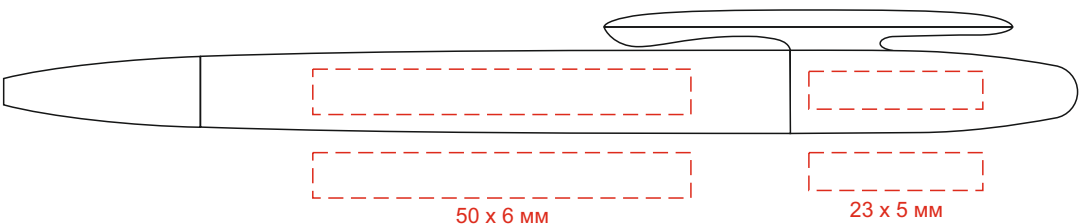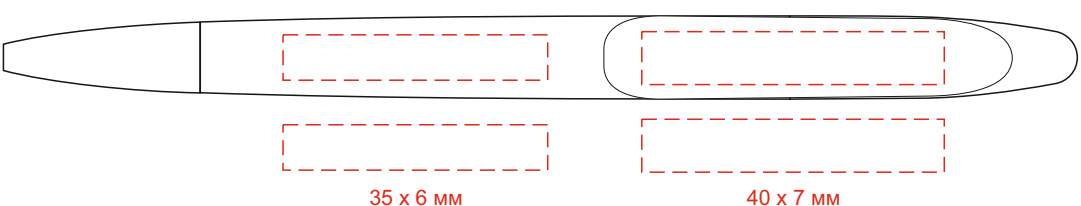ds 5 tff