Visited the local Ford Evans Halshaw dealership in Milton Keynes, UK to test the prior developed workflow to see if the application can recognize automatically the numberplate while the cameraman is moving around the back of the vehicle.

The video is 7sec long, I chose the OCR function to read the plate although not bulletproof it manages to snap the letters correctly as the video moves on. I decided to use One Strel a "square" (imclose at Size 30) which has to a point adhered to the required parameters of cropping the plate and extracting data.

This whole exercise is a sequence of repetitions placed in a while loop which iterates through these sequences, creating an RGB to Grayscale picture, Filters deviations, creates a binary frame, finding the ImgSize of the bounding box, cropping that section of the img, Binarizing the newly created Cropped Section etc.
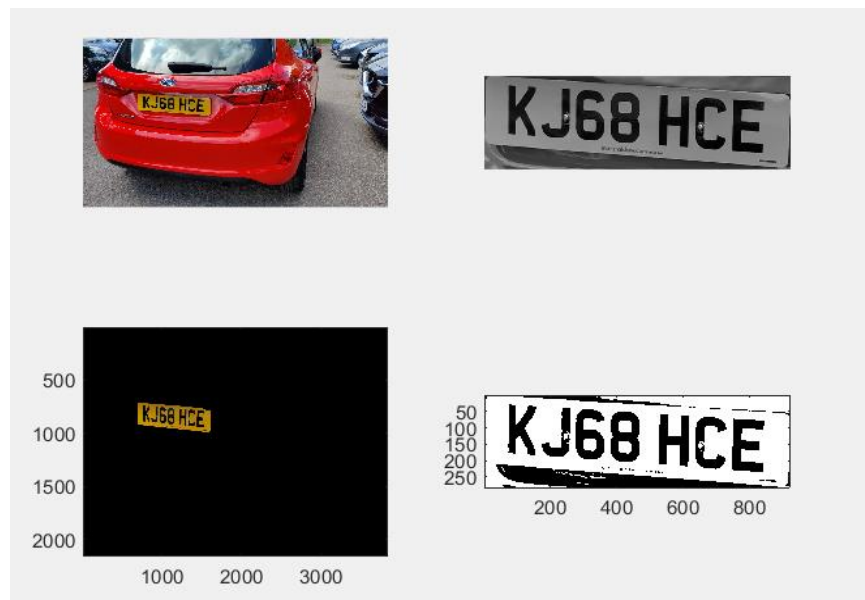

Figure 7.1 – StrelOne - sqaure (imclose at Size 30)