

**Retractable bollards**

Residential districts, schools and car parks, shopping centres, pedestrian zones and company sites are typical areas of application for retractable bollards. When raised, these obstacles successfully prevent vehicle access but offer no hindrance to pedestrians, cyclists and wheelchair users. To allow vehicles to pass, the bollards can be retracted into the ground quickly and easily.

Bollard systems in stainless steel not only look attractive, they are also simple to operate and service. Good resistance to wear and corrosion makes the material an excellent choice for the rigours of the urban environment, where it is exposed to mechanical stress and in winter to de-icing salt, for example. For environments in which corrosion is a greater risk, grade EN 1.4301 can be replaced with higher-alloy steels.

*Features such as flashing lights in the top of the bollards, acoustic signals and automatic retraction during power cuts all enhance safety.*



*A variety of mechanisms can be used to raise and lower the bollards: radio controls, key-operated switches, magnetic cards, keypads, automatic timers and mobile phones.*

Photos: Kings Innovation GmbH & Co. KG, D (top), Braun Antriebstechnik, D (bottom left), Swiss Poller, CH (bottom right)



*Tearplate provides anti-slip surfaces for pedestrians.*

