



HSD Barrier

Defence Boom Barriers with electro hydraulic drive – the secure barrier

The range Anti-Terror/High Security consists of different system/products. Within the High Security range, the elkosta HSD Barrier forms a high degree of security against unauthorised entry and exit of motor vehicles. elkosta HSD Barriers destroy the chassis of the vehicle with a break through attempt. Cars and trucks are effectively kept out.

Typical areas of application are: embassies, governmental buildings research and development centres, penal institutions, power stations, industrial plants, military sites, airports and other high security zones. Boom Barriers, type elkosta HSD offer high security.

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Applications and Functions

elkosta HSD Barriers form a secure barrier for cars or trucks up to medium weight. The elkosta HSD Barriers can be used individually or in combination with other elkosta products (e.g. Road Blocker DSP® K12, Tyre Killers, BLS Barriers, Crash Gates or Bollards); in a sluice arrangement forming a vehicle check point. Normally the boom is in a horizontal position and closes the roads entire width, in this position the boom is supported and locked. The boom rises to a vertical position to allow passage for motor vehicles. Due to the warning colour the barrier is clearly visible to approaching vehicles. As the elkosta HSD Barrier is bolted onto the foundation the lack of foundations in the road itself is not a problem at all. Thus installation is performed easily and fast.

Advantages of the elkosta HSD Barrier

- Boom clearly visible due to red/white warning colours
- Clear width maximum 9 meters
- Rigid construction, all basic parts consist of steel with high tensile strength
- Easy assembly due to compact assembly-finished unit, drive stand, support strut and separate drive cabinet
- Tri-protect long-term corrosion protection
- Low maintenance cost
- Installation in all climate zones possible
- Emergency operation after power failure by hand pump
- Emergency closing function: "Panic closing" (function as option)

"Everything from one source"

"Everything from one source" is our principle. Planning, manufacturing, installation and maintenance is our competence. Gunnebo stands at your side as a strong and experienced partner.



Barrier Lift System

BLS Defence – massive Horizontal Lifting Barrier with a secure break through prevention
– Certified DOS K12 & PAS 68:2007

The range High Security consists of various systems/products. Within the High Security range the crash rated elkosta BLS Defence Barrier (barrier lift system), offers maximum security for highly sensitive entry or exit points against unauthorized vehicles attempting to break through by destroying the chassis completely.

Typical areas of application are: banks, detention centers, power stations, industrial plants, military plants, airports and other high security zones.

Barrier Lift System

BLS Defence – massive Horizontal Lifting Barrier with a secure breakthrough prevention – Certified DOS K12

Application examples and function of the barrier lifting system

The elkosta BLS Defence Barrier can be used individually or in combination with other elkosta products (e.g. elkosta Road Blockers DSP® K12, tyre killers, barriers, crash gates, bollards), in order to achieve a sluice arrangement forming a vehicle check point. The reinforced steel beam raises out of the tarmac and closes the roads entire width. The elkosta BLS Defence Barrier starts protecting after 1 second. Due to the warning colour the elkosta BLS Defence Barrier is clearly visible. The boom raises very quickly to the upper position and blocks the road with variable heights up to max. 1100 mm (center boom). In the lowered position the elkosta BLS Defence Barrier is completely unobtrusive and flush with the road surface. It corresponds to bridge class 60, so that also heaviest vehicles can use the secured entry.

Advantages of the elkosta BLS Defence Barrier

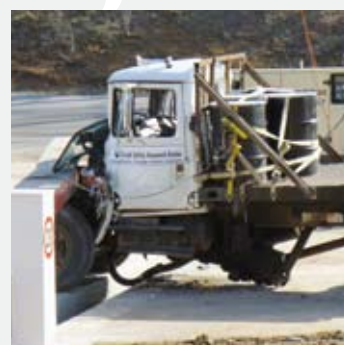
- Short operating time. Protection starts immediately.
- Boom in warning colour.
- Blocking height 1100 mm.
- Clear width: up to 9 m.
- Stable construction, all basic parts consist of steel with high tensile strength.
- Low maintenance costs
- Easy service due to the separate drive cabinet.
- Tri Protect Long-Term Corrosion Protection
- Installation in all climate zones possible
- All vehicles can drive over it, due to adherence to bridge class 60
- Emergency function by a hand pump or an accumulator (option)
- Certified to US DOS SD-STD-02.01 Rev. A from March 2003
 - K12 up to 6 m
 - K4 up to 9 m
- Certified to PAS 68:2007

Truck Crash test

Gunnebo's BLS Defence Barriers fulfil the highest safety level. Heavy vehicles with high speeds are stopped reliably.

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We reserve the right to alter product information without any obligation.