

Balpro® Protector

Data Sheet



Balpro® Protector is a heavy, modular fortification system

The Balpro® Protector system is made of steel sandwich ballistic protection elements. One system set includes 7 elements, which in its transport configuration, logistically, handles as a 20 ft sea container. The genuinely multi-use system is fast to build-up and dismantle and may be used in multiple applications such as camp wall, shelter, partitions... Standard elements allow for a 2,4 metre wall height whilst optional half elements enable a 3 metre wall height.

The system has been granted a Finnish patent and has a European patent pending.

System set:

One system set contains 7 elements
Length 6,0 metres (20 feet)
Height 2,4 metres
Width 2,4 metres

Transport configuration:

- In the transport configuration the system set is a self-carrying, 20 ft sea container equivalent
- Elements located on top of each other by conical connectors
- Elements held together by 4 connecting rods

Element dimensions:

Length 6,0 metres; half element 3,15 metres
Height 2,4 metres
Width 215 mm / 410 mm
(sandwich element / including stowed legs)

Build-up and dismantling:

- Crew required: at least 3 persons
- Equipment required: a hoist with a two ton lifting capacity (loader crane, front loader, excavator...)
- Typical build-up/dismantling time: 2 hours for one set
- Elements secured to each other by chains, which are tightened by rigging screws
- The joining angle of adjacent elements: no limitations

Weighths:

Element typically 1700 kg - 1800 kg
Half element about 900 kg
System set typically about 13 tons

Element legs:

- 2 legs on either side of each element
- Legs adjustable to terrain angle
- Legs may be opened to reach 0,8...2 metres from element

Protection capability according to Stanag 2280:

Stanag 2280 Class	Empty elements	Elements filled with sand/gravel
A Small / medium caliber projectiles:	A3 (7,62mm x 54R API B32)	A4 (12,7 mm x 108 API 32B)
B Shoulder launched weapons / Rifle grenades:	tbd	B2 (40 mm Rifle grenade shaped charge)
C Battlefield rockets, Artillery and Mortars:	C4 (120 mm mortar)	C5 (155 mm artillery, 122 mm rocket)
D Small / Personnel borne IED's	D5 (Bag/Suitcase 20 kg TNT)	tbd

Kenno Tech Ltd

Tehdaskylänkatu 3
FI-11710 Riihimäki
Finland

tel. +358 40 551 5383
fax +358 19 732 751

info@kennotech.fi

Ordering information:

Balpro® Protector 770: 7 full length elements (including top and bottom elements with container corners and one element with a door)

Balpro® Protector 734: 3 full length elements (including top and bottom elements with container corners and one half element with a door) and 4 split elements (i.e. 8 half elements of 3 metre length)

Accessories:

- Balpro® Protector Funnel; 2,4 metre long funnel for easy filling of sand or gravel
- Balpro® Protector Cover; cover for protecting element sets
- Hook lift capability

Spare parts: See separate spare parts list

Balpro® Protector Data Sheet rev.2 / 19.04.2013